

Risk Profiles and the YLS/CMI: Examining Mean Differences in
Gender, Race, Hispanic Origin, Child Service History, Gangs, and Offence Type

by
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Abstract

The YLS/CMI is among the most widely used tools for youth offender risk-assessment. However, it has been heavily criticized for its use on females, racial and ethnic minorities, dual-status youth, gang members, and different offence types. The current study conducted a secondary analysis using a sample of 1679 youth offenders provided by the National Archive of Criminal Justice Data (NACJD). A combination of bivariate and multivariate statistics were conducted using gender, race, Hispanic origin, child service history (chs), gang affiliation, and offence type as independent variables to examine mean differences in the YLS/CMI total score, and eight subcomponents. Significant differences in the total score and its eight subcomponents were found for gender, race, CHS, gang affiliation, and offence type. The current study provides support that challenges the validity of the YLS/CMI as it applies to females, African-Americans, dual-status youth, gang members, and different offence types.

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Dedication

This paper is dedicated to my wife, Dr. Josiane Kroll, who always believed in me:

*You are the greatest thing to ever happen to me. It brings a lot of joy to not only be finished the
M.S.W. program, but to share the results of the hard work with you.*

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Chapter 1: Introduction

The Levels of Service family of risk assessment tools are among the most popular around the world, spanning several different versions that assess the risk of recidivism for adult and youth offenders, including the Levels of Service/Case Management Inventory (LS/CMI), and the Youth Levels of Service/Case Management Inventory (YLS/CMI).

First generation risk assessment was based on the clinical judgments of psychologists and correctional staff (Andrews & Bonta, 2010; Bonta & Andrews, 2007). Second generation risk assessment moved away from clinical judgment and began using evidenced-based actuarial tools that relied on static factors, such as criminal history; and available historical data on the offender, such as drug use (Andrews & Bonta, 2010; Bonta & Andrews, 2007). Third generation risk assessment, such as the Levels of Service Inventory – Revised (LSI-R), realized the importance of criminal history in predicting recidivism; however, they also began to address dynamic factors that are correlated with criminal behavior, such as antisocial behaviors, antisocial cognitions, and antisocial peers (Andrews & Bonta, 2010; Bonta & Andrews, 2007). Fourth generation risk assessment tools, such as the Youth Levels of Service/Case Management Inventory (YLS/CMI), and its variants, such as the Levels of Service/Case Management Inventory (LS/CMI), addresses many of the same dynamic factors as third generation tools, but also include a comprehensive case management component (Hoge, Andrews & Leschied, 2002; Bonta & Andrews, 2007).

The levels of service family of risk assessment tools have a proven track record of overall strong validity and reliability in their prediction of recidivism and claim to be gender and ethnically neutral (Andrews & Bonta, 2010; Andrews, Bonta & Wormith, 2004). The LS scales have a wealth of validation research that supports their position of gender, racial, and ethnic neutrality (Andrews, Guzzao, Raynor, Rettinger & Wormith, 2011; Cottle, Lee & Heilburn, 2001; Holsinger,

Lowenkamp & Latessa, 2006; Olver, Stockdale & Wormith, 2013; Schwalbe, Frazer, Day & Cooley, 2006; Smith, Cullen & Latessa, 2009; Rettinger & Andrews, 2010); and its use on a variety of offences including non-violent, violent, and sexual offences (Andrews, Bonta & Wormith, 2004; Cathpole & Gretton, 2003; Girard & Wormith, 2004; Calley, 2012). However, a growing body of research has challenged the LS scales, arguing that they may have reduced predictive validity with certain groups, such as females (Carns & Martin, 2011; Olver, Stockdale & Wormith, 2013; Onifade et al., 2008), racial and ethnic minorities (Bechtel, Lowenkamp & Latessa, 2007; Schlager & Simourd, 2007; Shephard, Singh & Fullam, 2015; Whiteacre, 2006; Wilson & Gutierrez, 2014; Wormith & Hogg, 2012; Wormith, Hoog & Gomez, 2015; , dual-status youth (Li et al., 2015; Onifade et al., 2014); and that they may be better suited for predicting general recidivism rather than specific forms, such as violent crime (Rowe, 2002; Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015), or drug crimes (Papp et al., 2016).

Current Study

The current study performs a secondary analysis of a sample of 1679 youth offenders collected from three juvenile justice jurisdictions from the state of Ohio, United States, between 1998 and 1999. Scores from Youth Levels of Service/Case Management Inventory (YLS/CMI) served as the dependent variables in the study, while a combination of bivariate and multivariate analysis was conducted using six demographic variables serving as independent variables.

The current study employed a similar approach to Onifade et al. (2014); that is, it sought to examine potential differences in the mean for the YLS/CMI total score, and its eight subcomponents among a youth sample. However, the current study differs in several aspects. First, the current study does not use recidivism data, as it was not available. Second, while Onifade et al. (2014) were focused on dual-status youth, the current study is concerned with mean differences

in the YLS/CMI scores using gender, race, Hispanic origin, child service history, gang affiliation, and offence type as factors. Third, while Onifade et al. (2014) used a series of ANCOVA models to determine mean differences, the current study employed a bivariate analysis of variance (ANOVA) to determine mean differences in the Y-LSI total score. At the same time, this study employed a multivariate analysis of variance (MANOVA) to determine mean differences among the central eight risk factors as a composite, which controls for each factor in the model.

Research Questions

Given existing research that challenges the predictive validity of the LS scales on sub-groups of offenders, the purpose of this study is to examine if there are differences in the mean of the YLS/CMI total risk score, and its eight subcomponents on gender, race, Hispanic origin, child service history, gang affiliation, and offence type are present. Using a combination of univariate, bivariate, and multivariate analyses, this study asks two main questions:

1. Are there differences in the mean total risk score of the YLS/CMI based on gender, race, ethnicity, child service history, gang affiliation, or offence type?
2. Are there differences in the mean of the composite scores of the central eight risk factors of the YLS/CMI based on gender, race, ethnicity, child service history, gang affiliation, or offence type?

Data Source

Data were obtained through the Inter-University Consortium for Political and Social Research (ICPSR), in partnership with National Archive of Criminal Justice Data (NACJD), and the University of Manitoba.

Original Study

Flores, Travis and Latessa (2003) examined the utility of the Youth Levels of Service Inventory/Case Management Inventory in predicting recidivism with a sample of 1679 youth collected between July 1, 1998, and June 30, 1999. The original data were collected from three different correctional agencies in the state of Ohio (United States). YLS/CMI scores were collected at two intervals: 1) Initial assessment; and 2) Reassessment after program completion, or 1 year after the initial assessment (Flores, Travis & Latessa, 2004).

Two of the jurisdictional agencies contributed the custody sample, the Ohio Department of Youth Services (ODYS), and the Butler County Juvenile Rehabilitation Centre (BCJRC); while the Clermont County Juvenile Probation Department (CCJPD) contributed the community sample (Flores, Travis & Latessa, 2004).

Although a variety of detailed data were gathered, including family history of criminal activity, gang affiliation, child service involvement, ethnic background, and types of offences; the authors were primarily concerned with the utility of the YLS/CMI in predicting recidivism as it pertained to differences in gender, and race (white versus non-white offenders).

Performing an item-analysis, Flores, Travis and Latessa (2004) reported mean differences in risk factor and total scoring of the YLS/CMI separately for gender, and race categories. The authors found that female offenders scored higher on the family, and personality characteristics of the YLS/CMI, while males had higher risk scores overall, and higher criminal history scores. Racial differences were also found by the authors where non-white offenders scored higher overall on the total score, as well as on the criminal history, education, peers, and substance abuse scores; while white offenders scored higher on measures of personality/behaviour and attitudes/orientations. Significant mean differences were also observed across institutions, with the

two custody samples (ODYS, and BCJRC) differing significantly from the community sample (CCJPD). Custody samples had overall higher YLS/CMI total scores, as well as significantly higher scores for criminal history, family circumstances, education/employment, personality/behavior, and attitudes/orientations.

Where the current study differs significantly from that conducted by Flores, Travis, and Latessa (2003) is that its approach employs a combination of univariate, bivariate and multivariate techniques to determine if mean differences exist within the YLS/CMI total score, and its central eight risk factor subcomponents, which is a more rigorous method than what was observed in the original study. This, however, should not be taken as a criticism against Flores, Travis, and Latessa (2003), as their primary focus was on the predictive utility of the Y-LSI, and not on the mean differences in risk factor scores.

A second difference, and a major short coming of the current study, is that it did not have access to, or make use of, the same recidivism data that Flores, Travis and Latessa (2003) had in their study. It is unfortunate that any mean differences found within the sample could not be used to test their relevance for recidivism. Future studies on the ever-growing pool of normative data for the levels of service models should first look for potential differences in total score and risk factor scoring and use these differences as the basis of their tests of predictive utility.

Preliminary Findings

Preliminary findings for univariate statistics in the current study demonstrate apparently significant differences in the mean YLS/CMI total score for gender, race, child service history, and gang affiliation. Preliminary findings for multivariate statistics indicate significant mean differences in the areas of criminal history, family circumstances/parenting, and personality/behavior subcomponents as contributing factors for differences observed in the

YLS/CMI composite score for gender, race, child service history, gang affiliation, and offence type.

Contributions

The current study makes a few contributions to theory, practice, and policy. In terms of theoretical contributions, the current study found supportive evidence toward challenging the validity of the levels of service scales. In practice, however, the current study does not have direct implications. However, the results should help inform those working with offenders in community or institutional settings of some of the differences in criminogenic need found for some offender subgroups. This study does not have direct implications on policy. However, the results should help inform those working in policy of the need for potential re-examination of current risk assessments, as they may not be as valid for some offenders.

Theory. First, while proponents of the LS scales argue strongly that they are gender, racially and ethnically neutral in their predictive validity, they simultaneously ignore potential differences presented by these unique subgroups of offenders that can have a profound impact on their initial involvement in crime and subsequent recidivism. This study provides supportive evidence against their gender, racial, and ethnic neutrality, related to significant differences found in the total risk score, and various subcomponents of the YLS/CMI.

Second, this study contributes supportive evidence to the growing body of research on dual-status youth regarding their overall risk level, and their criminal history. More specifically, this study confirms what other authors have found regarding dual-status youth: that they are assessed as higher risk to reoffend, and that they offend at an earlier age, and have greater criminal histories compared with delinquency-only youth. Similar (but more limited) results found for dual-status youth were also found for gang-affiliated offenders. This study contributes to the continuing

growth of research on gang members, who are some of the most dangerous offenders with the greatest risk to reoffend (NGIC, 2013).

Third, the current study provides further evidence that supports the argument that the LS scales, including the YLS/CMI, may be a more valid risk assessment for general recidivism rather than other more specific forms of recidivism. This study found significant differences in offence type, comparing several forms of crime, including minor offences (technical and status offences), drug crimes, property crimes, and violent crimes. Results indicate significant differences in the criminal history, and attitudes/behavior subscales.

Practice. While this study does not directly impact the practice of community or institutional corrections, it does inform practice in several ways. This study should inform those working directly with female offenders that family problems, and attitudes and behaviours may need more serious attention in case management compared to other subcomponents; while those working with dual-status youth on their caseload may need to focus their efforts to reduce recidivism through inter-agency cooperation to meet the unique needs of an offender with greater overall risk of recidivism compared with delinquency-only offenders.

This study should also inform practitioners regarding racial differences found, which confirm that racial minorities are at greater risk to re-offend and have greater criminal histories. However, study results are limited in terms of which risk factors should be targeted from one racial category to another.

This study also found that certain offence types differed regarding which subcomponents contributed to their overall score. More specifically, this study found that those convicted of drug crimes had greater criminal histories compared to all other offence types; while violent offenders had the greatest criminogenic need related to attitudes and behaviours.

Policy. The results of this study do not have a direct impact on community or institutional corrections, or state and federal policy regarding the use of actuarial risk assessment, or the internal policies of Multi-Health Systems, proprietary owners of the YLS/CMI.

However, the results of the current study should inform those working in policy that there is a definite need to examine more gender, racial, and ethnically separate and informed forms of risk assessment.

Chapter 2: Literature Review

For the reader to understand the purpose of the current study, a list of abbreviations and definitions are included in the beginning. While the APA advises against the use of too many abbreviations in academic writing, it is quite common for researchers in criminal justice to use many different abbreviations in both professional and academic publications due to the length of department titles, the breadth and length of psycho-social phenomena, or names of risk assessments and their subcomponents.

Because this is a Canadian study that is using a sample of youth offenders from the United States, it is also important to understand how crime is measured in the U.S., as it is different than in Canada. Following how crimes is defined and measured, the reader is informed of the various offender subgroups of interest to this study. This includes statistical information on representations, as well as a theory or rationale as to why they are of interest to the current study.

While there are several versions of the LS scales, this study uses data from the YLS/CMI, specifically. An overview of the YLS/CMI is provided, including its theoretical foundation derived from the Psychology of Criminal Conduct (Andrews & Bonta, 2010), and the principles of Risk-Need-Responsivity; as well as some of the validation research that confirms its psychometric properties for use across a variety of offenders. While there is a wealth of research that supports

the LS scales, there is also a body of research that the reader is informed of that challenges and criticizes the utility of the LS scales when used on certain subgroups of offenders.

The chapter ends with a summary concerning the arguments over the utility of the LS scales, and why it is important for this study to examine potential differences in the YLS/CMI total score, and subcomponents scores by comparing them among specific subgroups of offenders.

Abbreviations

ACE: Adverse Childhood Experiences

ANOVA: Analysis of Variance

BOJ: Bureau of Justice Statistics

CHS: Child Service History

DOC: Department of Corrections

DOJ: Department of Justice

FBI: Federal Bureau of Investigations.

GLM: Good Lives Model

ICPSR: Inter-University Consortium for Political and Social Research

LSI-OR: Levels of Service Inventory – Ontario Revision

LSI-R: Levels of Service Inventory – Revised.

LIS-SK: Levels of Service Inventory – Saskatchewan

LS/CMI: Levels of Service/Case Management Inventory

LS Scales: Levels of Service Scales, used when referring to the family of risk assessment tools, including the LSI-R, LS/CMI, YLS/CMI, LSI-OR, and LSI-SK.

MANOVA: Multivariate Analysis of Variance

NACJD: National Archive of Criminal Justice Data

NGIC: National Gang Intelligence Centre

OFFTYPENEW: New Offence Type categorical variable.

OJJDP: Office of Juvenile Justice and Delinquency Prevention.

RACENEW: New Race categorical variable.

RNR: Risk-Need-Responsitivity

SC1: Subcomponent 1 – Prior and Current Offences/Dispositions

SC2: Subcomponent 2 – Family Circumstances/Parenting

SC3: Subcomponent 3 – Education/Employment

SC4: Subcomponent 4 – Peer Relations

SC5: Subcomponent 5 – Substance Abuse

SC6: Subcomponent 6 – Leisure/Recreation

SC7: Subcomponent 7 – Personality/Behaviour

SC8: Subcomponent 8 – Attitudes/Orientation

SPSS: Statistical Package for the Social Sciences

USSC: United States Sentencing Commission

Y-LSI: Youth Levels of Service Inventory. This version is used interchangeably with YLS/CMI, as the YLS/CMI is the most recent variant of the Y-LSI, using the same subcomponents and scoring, but now includes a comprehensive case management component.

YLS/CMI: Youth Levels of Service/Case Management Inventory. This is the LS scale featured in the current study. Used interchangeable with the Y-LSI.

Y-LSI Total: Youth Levels of Service Inventory Total Score

η^2 : Eta-Squared, partial eta-squared.

χ^2 : Chi-Square

Definitions

Drug Crimes: The FBI defines drug-related crimes as drug manufacturing (marijuana, meth-amphetamines, etc.), and drug distribution/possession (Federal Bureau of Investigations, 2016).

Ethnicity: The United States Census Bureau (2015) separates race and ethnicity, and places people into one of two categories: “Hispanic or Latino” or “Not Hispanic or Latino”. In the study by Flores, Travis, and Latessa (2003), data are also arranged in such a manner.

Gangs: Flores, Travis, and Latessa (2003) do not explicitly state how gangs were defined, or how gang membership was determined in the data collection. This is part of the on-going problem that academics, policy analysts, service professionals, and law enforcement deal with when it comes to gangs: a clear definition. The most current federal definition in the United States - as used by the Department of Justice and the Department of Homeland Security's Immigration and Customs Enforcement - defines gangs as follows (Department of Justice, 2016):

“Three or more individuals, whose members collectively identify themselves by adopting a group identity, frequently by employing one or more of the following: a common name, slogan, identifying sign, symbol, tattoo or other physical marking, style or colour of clothing, hairstyle, hand sign or graffiti. Whose purpose in part is to engage in criminal activity and which uses violence or intimidation to further its criminal objectives. Whose members engage in criminal activity or acts of juvenile delinquency that if committed by an adult would be crimes with the intent to enhance or preserve the association's power, reputation or economic resources. The association may also possess some of the following characteristics: 1) The members may employ rules for joining and operating within the association, 2) The members may meet on a recurring basis. The association may provide physical protection of its members from others, and 3) The association may seek to exercise control over a particular geographic location or region, or it may simply defend its perceived interests against rivals. The association may have an identifiable structure.”

Gender: In the original study by Flores, Travis, and Latessa (2003), the sample consisted of only male and female offenders. Offenders were not identified as transgendered in any cases. In addition to this, sex and gender were used interchangeably in the study, and the authors do not state how gender was determined.

Need: This refers more specifically to *criminogenic* need. Criminogenic needs are those subsets of an offender's risk level, that are dynamic in nature, and when changed (e.g. through intervention), change the probability of resulting recidivism (Andrews & Bonta, 2010).

Property Crime: In the FBI's Uniform Crime Reporting (UCR) Program, property crime includes the offences of burglary, larceny-theft, motor vehicle theft, and arson (Federal Bureau of Investigations, 2015).

Violent Crimes: In the FBI's Uniform Crime Reporting (UCR) Program, violent crime is composed of four offences: murder and non-negligent manslaughter, forcible rape, robbery, and aggravated assault (Federal Bureau of Investigations, 2015).

Race: The original study by Flores, Travis, and Latessa (2003) included a variable for different racial backgrounds that included, Black, White, Asian, American Indian, Bi-Racial, and Others. The authors do not indicate how race was determined.

Recidivism: Recidivism has two components to its definitions, with the first being the commission of an offence; and the second, by an individual already known to have committed at least one other offence (Harris et al., 2011).

Responsivity: The responsivity principle refers to delivering treatment programs according to a method that is consistent with the ability and learning style of the offender (Andrews & Bonta, 2010). Responsivity contains two principle components, general responsivity, and specific responsivity (discussed in detail below).

Risk: Risk is the probability of recidivism, and its principles state that criminal behaviour can be predicted, and that matching levels of services to the risk level of the offender is advantageous for treatment (Andrews & Bonta, 2010).

Status Offence: Status offences include truancy from school, curfew violations, and underage use and possession of alcohol or tobacco (OJJDP, 2016).

Technical Violations: This refers to conditions set by Probation Orders, or Supervised Release Orders. Technical violations of these conditions can result in a revocation of a supervised order, imprisonment, or other legal and program sanctions (USSC, 2015).

Youth: In this study, youth is used to identify young offender's aged from 9-21.

Measures of Crime

The United States Department of Justice (DOJ) administers two statistical programs to measure the magnitude, nature, and impact of crime: 1) Uniform Crime Reporting (UCR), administered by the Federal Bureau of Investigations (FBI); and 2) the National Crime Victimization Survey (NCVS), administered by the Bureau of Justice Statistics (BJS).

The UCR counts one arrest for each separate instance in which a person is arrested, cited, or summoned for an offense, and covers arrest data for 28 separate offenses that include violent crime (murder, manslaughter, armed robbery), property crime (theft, larceny, fraud), motor vehicle theft, arson, and other categories of other crimes (FBI, 2014).

The NCVS collects data on crimes suffered by individuals and households that may or may not have been reported to law enforcement agencies (BJS, 2015). The NCVS estimates the proportion of each type of crime reported to law enforcement, summarizes the reasons why it was or was not reported; and provides information about victims and offenders (age, sex, ethnicity, and education), and the crimes (time, place, circumstances, weapons, etc.).

Rationale for Hypotheses

Six offender categories were chosen as independent variables in this study. The criticisms of the LS scales for differences in predictive validity for gender, racial and ethnic minorities, dual-

status youth, gang members, and types of offenders (violent, non-violent) warranted research to determine if there are also significant differences in the mean of the YLS/CMI total score, and its eight subcomponents. What makes these groups unique is not simply their demographic breakdown of representation (or overrepresentation) in criminal justice systems; it is because each of these groups may present with risks/needs that may be different from the status quo, or that these risks may be hidden or not addressed by current risk assessment tools.

Youth offenders and Offence Type. Youth offenders are a particularly unique subgroup of offenders. As described below in greater detail, youth offenders represent a small fraction of the total offender population that commit a disproportionate amount of crime. In addition to official crime statistics, Evans, Huang and Hser (2011) point out that those identified as the greatest risk to re-offend, are males, those that are younger, had their first arrest at a younger age, had a greater history of delinquency and criminal activity, received mental health services, and had been incarcerated only 30 days prior to their most recent arrest.

Statistics. In 2015, there were a total of 39,519 violent crimes, 161,692 property crimes, 76,172 drug abuse crimes (not counting trafficking), 33,908 curfew and loitering violations (i.e. technical violations), and 128,770 crimes accounting for “other” (not including traffic violations) (FBI, 2015, Table 41). Youth offenders under the age of 18 represent only 8.5% of the total offender population; yet they are responsible for 10.2% of all violent crime, 14.2% of all property crimes, 6.7% of all drug abuse crimes, 100% of all curfew violations and loitering, and 5.2% of all “other” violations (not including traffic violations) (FBI, 2015, Table 41).

Theories of Crime. There are a multitude of theories that exist to explain different types of crime. One need only open an introductory text book for Criminology to find several theories developed to explain crime. One of the most popular theories has been the General Theory of

Crime (Gottfredson & Hirschi, 1990), which is built from the original works of Social Bonding Theory (Hirschi, 1969), and has been a popular theory for general forms of crime. While Social Bonding Theory argues that crime is the result of an innate pull toward deviant behavior due to weak social attachments to others, a lack of commitment to conventional society, a lack of involvement in conventional activities, and a weak belief in societal norms (Hirschi, 1969); the General Theory of Crime adopts a behavioural stance. Instead of just an innate inclination toward deviance, the General Theory of Crime argues that when presented with deviant opportunities for potential gain, those with low self-control will engage in criminal or deviant acts rather than conventional norms to obtain their goals (Gottfredson & Hirschi, 1990). Meanwhile, those with strong social bonds to others, and commitment and involvement to conventional norms and beliefs will often have greater self-control (Gottfredson & Hirschi, 1990; Hirschi, 1969).

The Psychology of Criminal Conduct (PCC) would argue that crime is a matter of opportunity and weighing the cost/benefit analysis (Andrews & Bonta, 2010), whereas other authors would view something like violent crime occurring because of much deeper psychosocial issues (Hardy & Laszloffy, 2005; Totten & Totten, 2012). Because the current study is highly focused on examining differences in the mean of the YLS/CMI when subgroup factors are present, this study will adopt PCC as the base theoretical foundation of crime and challenge its assumptions where applicable. PCC is discussed in greater detail later in this chapter.

Female Offenders. Compared to male offenders, female offenders have received far less attention in the research on crime (Mahony, 2011). This partly stems from the fact that female offenders account for a small percentage of total offenders. While this number appears to be much larger in the United States at 26.9% (FBI, 2015, Table 42), compared to countries such as Canada at 5% (Mahony, 2011; Sapers, 2013), it is still just a fraction compared to male offenders.

However, while there is not as much research for female offenders and crime, there have still been landmark studies conducted in the area, including Daly (1992), which has helped point out that male and female offenders differ in several regards, not just in terms of their recidivism rates; but that female offenders may have different pathways into crime than male offenders. The idea of gendered pathways into crime also brings into question the LS scales' gender-neutrality stance. If gendered pathways into crime exist, why would the LS scales ignore them? This adds further cause to study female offenders as a unique subgroup of offenders.

Statistics. In the United States, female youth offenders under age 18 account for only 9.3% of all female offenders (FBI 2015, Table 40), with female offenders (all ages) accounting for 26.9% of all offenders (FBI, 2015, Table 42). Female offenders (all ages) account for 20.3% of all violent crime, 38.3% of property crime, 22.6% of drug abuse violations (except trafficking), 28.2% of all curfew and loitering violations, and 26.1% of all "other" violations (FBI, 2015, Table 42).

While the FBI UCR data show the total number of those charged, the BOJ demonstrates that gender differences are found in convictions in the United States with males having higher conviction rates for violent crime than females (54.4% vs 37.1%, respectively); and females having higher conviction rates for property crimes than males (28.4% vs. 18.6%), and drug crimes (15.1% vs 24%) (BOJ, 2015).

Gendered pathways. Daly's (1992) qualitative study on 40 women and 40 men receiving felony sentences in the United States has been credited as one of the most influential investigations on female offenders (Kruttschnitt, 2013). From Daly's (1992) research, the feminist perspective on crime supports the assertion that there are gendered pathways into crime, and that female offenders experience structural, social, and psychological barriers differently than male offenders, which

contributes to criminal involvement (Jung et al., 2015; Salisbury & Van Voorhis, 2009; Salisbury, Van Voorhis & Spiropoulos, 2009).

A Canadian study conducted by Sapers (2011) found that 86% of women serving a federal sentence experienced a history of physical abuse, while 68% reported experiences of sexual abuse at one point in their life; 77% reported having at least one child, and 64% reported having to rely on themselves financially as single-parents; 29% reported having a mental health concern at intake, while 31% reported having a mental health diagnosis at one point in their life; and 77% reported experiencing substance abuse problems at intake. Conclusions drawn from Sapers' (2011) study adds further credibility to the feminist perspective on gendered pathways that female offenders experience a high degree of abuse (physical, sexual, and domestic), single-parenting, financial problems, and mental health concerns, including substance abuse, that have an impact on recidivism.

Salisbury et al. (2009) conducted a path analysis (an extension of multiple regression analysis) that tested the magnitude of the relationships of abuse histories, dysfunctional relationships, substance abuse, and education and employment domains with female recidivism. Salisbury et al. (2009) found that histories of victimization, mental health problems, self-efficacy (financial) problems, and substance abuse had indirect relationships with incarceration; and education and employment issues showed direct impacts on incarceration. Results indicating education and employment as directly related to incarceration supports the gender-neutral perspective, but the authors argue that the associations of victimization, mental health problems, self-efficacy, and substance abuse have a direct impact on the education and employment pathways and should not be ignored (Salisbury et al., 2009).

Racial and Ethnic Minorities. Without question, racial and ethnic minorities are highly overrepresented in the criminal justice system. Statistics provided below by the FBI (2016) highlight this very fact. Not only are racial and ethnic minorities overrepresented in criminal justice, but there is sufficient evidence that points out that they consistently score higher on forensic risk assessments compared to Caucasian offenders (Martel et al., 2011; Olver, Stockdale & Wormith, 2013; Whiteacre, 2006). Overrepresentation, and disproportionately higher risk scores call into question the LS scales' neutrality on race and ethnicity: if racial and ethnic minorities are overrepresented in the criminal justice system, and consistently score higher on forensic risk assessments, is there a possibility of racial bias? These are some of the reasons why including racial and ethnic minorities in this study are important; never mind the fact that they were entirely excluded in the construction of the LS scales in the first place (Andrews & Bonta, 2004, p. 94).

Statistics. This section starts by providing statistics on both adult, and youth offenders. The rationale for this is that while this study is focused on youth offenders, much of the normative data on the LS scales has been developed with adult and youth populations. In addition to this, adult statistics on crime make an easier connection to the United States census data to demonstrate the distribution of crime by race and ethnicity, as well as highlighting the overrepresentation of racial and ethnic minorities in the criminal justice system.

Caucasian people comprise 77.4% of the United States population (Census, 2016), and 69.4% of offenders (custody and community) according to the UCR (FBI, 2016). According to the BOJ, Caucasian offenders make up roughly 32% of state and federal prison populations. African-Americans make up only 13.2% of the American population (Census, 2016), but comprise 27.8% of offenders (custody and community) according to the UCR (FBI, 2016), which is a clear demonstration of the overrepresentation of African-Americans in the criminal justice system.

According to the BOJ (2015), an estimated total of 516,900 federal inmates were African-American, accounting for 37% of the state and federal prison populations. Furthermore, the imprisonment rate of African-American males is 3.5 to 10 times higher (depending on age group) than Caucasian males, and 1.4 to 3.1 times higher than Hispanic males (BOJ, 2015).

Those of Asian descent comprise 5.4% of the American population (Census 2016), and only 1.1% of the offender population according to the UCR (FBI, 2016). American Indians, and Alaskan Natives comprise only 1.2% of the American population (Census 2016) but comprise 1.6% of the offenders according to the UCR (FBI, 2016). While this is not a large overrepresentation in the United States, relative to the population size of American Indians and Alaskan Natives; Indigenous people in Canada, demonstrate a much higher overrepresentation in the criminal justice system, with 20% of the federal corrections population as Indigenous, while only making up 3% of the Canadian population (Dauvergne, 2012).

Those of Hispanic ethnicity compose 17.4% of the United States population (Census, 2016), and 18.9% of offenders on the UCR (FBI, 2016).

According to current UCR data on offenders under age 18 in the United States, 33.9% are African-American, 62.9% are Caucasian, 1.1% are of Asian descent, and 1.7% are American Indian/Alaskan Native, with the remaining .4% composed of other various racial and ethnic backgrounds (FBI, 2016, Table 43b). What can be understood about the differences of both youth offenders and adult offenders in the United States is that African-American youth are even more overrepresented than adults in the offender population.

Racial theories of crime. Gabbidon (2010) provides an excellent review of the many theories developed to explain the connection of race to crime, and racial differences in criminal involvement; with the conclusion that no single theory can explain race and crime in all places at

one time. However, issues that are essential when looking at race and crime are the extreme overrepresentation of minority offenders in the criminal justice system, and the large disparities in incarceration rates when comparing minority offenders to Caucasians in particular (Gabbidon, 2010).

Some of the earliest theories to explain the connection between race and crime included biological perspectives that were usually Darwinian, and often rooted in racism and prejudice (Gabbidon, 2010). Classic theories, often based on environmental influence and social barriers to success, such as strain theory (Merton, 1938), and status frustration theory (Cohen, 1955) have been adopted to try and explain the racial disparities in crime; however, the problem with adopting these theories is that they are Euro-centric, developed with Eastern European immigrants in mind, where poverty and crime were viewed as temporary and not systemic. It was not until the 1980's when issues of marginalization, racism, and structural violence were examined as serious contributing factors for the connection between race and crime (Vigil, 1988). Minorities experience marginalization on multiple fronts including living in highly disorganized environments with few opportunities in the primary labor market, compounded by social exclusion and racial discrimination, resulting in criminal and gang involvement (Vigil, 1988).

Dual-Status Youth. Dual-status youth are those that are under the jurisdiction of both the judicial system, and a child service agency. Studies of the LS scales with dual-status samples often compare them with delinquency-only samples (Onifade, Barnes, Campbell & Anderson, 2014; Ryan, Williams & Courtney, 2013; Ryan, Marshal, Herz & Hernandez, 2008), with the aim of determining predictive validity when factors such as out-of-home placement or foster care, or Adverse Childhood Experiences (ACE) are present (Barrett, Katsiyannis, Zhang & Zhang, 2014).

Statistics. The Children's Bureau of the U.S. Department of Health & Human Services Administration for Children and Families Administration on Children, Youth and Families reported that in 2015 there were roughly 683,000 victims of abuse and neglect, which was an increase over previous years. Victimization was similar for boys (48.6%) and girls (50.9%); and most victims were of three races or ethnicities: whites (43.2%), African-Americans (21.4%), and Hispanics (23.6%) (Children's Bureau, 2015).

African-Americans are not only the most overrepresented group in criminal justice systems (FBI, 2016), but they are the most overrepresented group in the child welfare system as well (Williams, Van Dorn, Bright, Johnson-Reid & Nebbitt, 2010). In addition to this overrepresentation, African-American males with a history of maltreatment are more likely to become involved in the juvenile justice system compared to offenders without any form of maltreatment (Williams, Van Dorn, Bright, Johnson-Reid & Nebbitt, 2010). The Children's Bureau (2015) reports on rates of victimization for children using a rate of X/1000. Converting this to a percentage, 0.8% of children age 9 (the youngest in the current sample) are victimized by maltreatment in the United States; while the oldest children in the Children's Bureau statistics shows that 0.35% of all children age 17 are victims of child maltreatment in the United States. African-American children had the highest rate of victimizations where 1.45% of children under age 18 were victims of maltreatment; followed closely by American Indians and Alaskan Natives at 1.38%.

The duality of child services and crime. It may be easy to assume that ACE's, such as physical and sexual abuse, neglect, and witnessing domestic violence have a direct correlation with offending, or a more specific form of offending correlated to the type of ACE. While studies have found that a history of childhood maltreatment is correlated with offending (Barrett, Katsiyannis,

Zhang & Zhang, 2014; Bender, 2010; Kingree, Phan & Thompson, 2003; Lemmon, 2006; Mersky, Topitzes & Reynolds, 2011; Mersky, Topitzes & Reynolds, 2012), this does not necessarily support a victim-to-offender model (Falshaw, 2005; Grogan-Kaylor & Otis, 2003).

Grogan-Kaylor and Otis (2003) found both physical and sexual abuse to be insignificantly correlated with either form of offending, but neglect was significant for all forms of offending in a Tobit regression analysis. While victim-to-offender models may not be fully supported as a direct link, there is support for the notion that the numerous and repeated victimization, or revictimization of physical or sexual abuse is correlated with offending, but not necessarily through a direct transmission of those forms of abuse to the corresponding offence (Hamilton, Falshaw & Browne, 2002; Ryan, Williams & Courtney, 2013).

While there is no doubt that ACE's have profound effects on the social and psychological well-being of all children, recent literature has found both direct and indirect correlations to offending (Baglavo et al., 2015; Wolff & Baglavo, 2016). Baglavo et al. (2015) found indirect correlations to recidivism. More specifically, they found that ACE's had a direct correlation to child welfare involvement, which in turn had a direct correlation with recidivism (Baglavo et al., 2015). In a similar study, Wolff and Baglavo (2016) found that ACE's were directly correlated with recidivism, and indirectly correlated with negative emotionality, which, in turn, was correlated indirectly with recidivism.

While research seems to support the idea that involvement in the child welfare system is correlated with offending, it may be easy to assume that this means that out-of-home placements in foster homes and group care must also be correlated with offending. While group home effects have been found to correlate highly with recidivism (Ryan, Marshall, Herz & Hernandez, 2008), stability, with family, or out-of-home placements appears to be a significant mitigating factor for

dual-status youth (DeGue & Widom, 2009). Multiple placements in and out of the home, or through multiple out-of-home placements are correlated highly with offending (Baglavoio et al., 2015; DeGue & Widom, 2009; Snyder & Merritt, 2014), whereas those experiencing stable placements in or out of the home, including foster homes, show a decreased correlation with recidivism (DeGue & Widom, 2009; Ryan et al., 2008; Snyder & Merritt, 2014).

Gangs. Gangs represent an important subgroup of offenders for study. For over 90 years now, gangs have been a continued topic of research in which the definitions, structures, and functions of a gang have undergone several transformations for researchers, academics, law enforcement, and correctional institutions. While some gangs operate at low-level street crime, others operate with increased sophistication, rivaling organized crime in some instances (Chettleburgh, 2007; NGIC, 2013; Pearce, 2009).

Statistics. The FBI reports that there are around 33,000 gangs nationwide, including street gangs, prison gangs, and outlaw motorcycle clubs, with around 1.4 million active members among them (FBI, 2016). Furthermore, it is estimated that gangs commit 48-90% of the violent crime in most jurisdictions (FBI, 2016). Of the 1.4 million active gang members, 88% are street gang members, 9.5% are in prison gangs, and 2.5% are from outlaw motorcycle clubs (NGIC, 2013).

Apart from violent crime, the National Gang Intelligence Center (NGIC, 2013) reports that the drug trade is the primary operation of most gangs, relying on street level distribution for most of their revenue. However, there is also evidence that gangs control most of the prostitution and human trafficking; and have also diversified into correctional, law enforcement, government, and military corruption (NGIC, 2013). With all these concerns, the NGIC (2013) states that gangs within the United States pose a serious security risk, and that growing evidence of increased

cooperation with Mexican cartels is making matters worse, with reports of increased gang activity in nearly every state year over year.

Gang theories. The earliest known research on gangs was conducted by Thrasher (1927/1963) on the 1,313 barrio gangs of Chicago. Thrasher (1927/1963) viewed gangs as primarily social groups, rather than as criminal enterprises; even going so far as to state that criminal activity was not a central characteristic of a gang. In the modern definition of a gang, self-identification, social groupings, and symbolism are all present; however, the Department of Justice and the Department of Homeland Security's Immigration and Customs Enforcement's definition states that the central purpose of a gang is to engage in criminal activity (The National Institute of Justice, 2016).

Since Thrasher's (1927/1963) research, several theories have developed after nearly 90 years. Macro-level theories argue that gang involvement is influenced by environmental factors, such as poverty, socioeconomic status, social status, the breakdown of traditional social institutions (schools, churches, employment sectors), and individual behavioral choices (Guay, 2012; Shaffer, 2010; Tobin, 2008). Macro-level theories include Thrasher's (1927/1963) social disorganization theory, which is credited as one of the first theories on gangs; strain theory (anomie) by Merton (1938), status frustration theory (Cohen, 1955), defiant individualistic character theory (Jankowski, 1991), and the hyperadolescent theory (Goldstein, 1991).

Micro-level theories attempt to explain why some people become gang involved, while others do not, arguing that gang involvement can be traced to individual factors, socialization, social interactions, and social learning (Guay, 2012; Shaffer, 2010). Notable micro-level theories include social bonding theory (Hirschi, 1969), and social learning theory (Akers, 1973).

Gangs can be highly complex social groups, and as such, a singular approach (micro or macro level) may be too simplistic to fully explain gang involvement. Research has found that gang

involvement does not result from a single set of risk factors; but rather, from the accumulation of risk (Thornberry et al., 2003). Some of the most commonly stated reasons for joining a gang are low self-esteem, peer pressure, parental neglect, poverty, unemployment, rundown physical environments, substance abuse by the youth or family, low academic achievement or school dropout, social isolation, need for acceptance, need for protection, a means to make money, and excitement (Bjerregaard, 2010; Chettleburgh, 2007; Comack, Deane, Morrisette & Silver, 2013; Pearce, 2009; Totten & Totten, 2012). Notable integrated theories include interactional theory (Thornberry, 1987), segmented market routes (Spergel, 1984; Sullivan, 1989), underclass theory (Wilson, 1987), multiple marginality (Vigil, 1988), interactional theory with a life course extension (Thornberry & Krohn, 2001), and resistance theory (Brotherton, 2008).

Klein and Maxson (2006) identified five risk factor domains for gang involvement: 1) Individual, 2) Peer, 3) Family, 4) School, and 5) Community. Individual factors include impulsivity, delinquency, early criminal history, antisocial attitudes, substance abuse, and general behavioural problems (Klein & Maxson, 2006). Peer risk factors include associating with deviant or delinquent friends, and rejection from positive peer groups, which limits pro-social options (Klein & Maxson, 2006). Family risk factors include poor parental involvement and supervision, exposure to domestic violence, disruptive homes, and police involvement (Klein & Maxson, 2006). School risk factors include low academic achievement, low commitment, and classroom behavioural problems (Klein & Maxson, 2006). Last, community risk factors include structural problems, poverty, residential mobility, and access to weapons and drugs (Klein & Maxson, 2006).

Klein and Maxson's (2006) model fits this study perfectly. If youth are at risk of gang membership determined by five domains – four of which are proximal factors on the YLS/CMI – then it could be assumed that gang members could present with higher risk in these domains

compared with non-members, which could be measurable with the YLS/CMI total score and its subcomponents.

Levels of Service Model

The model for the LS scales is built upon two aspects: The Psychology of Criminal Conduct; and the principles of Risk-Need-Responsivity. To fully explain the LS scales and their subscale factors, a brief overview of the Psychology of Criminal Conduct, its fundamental theoretical orientation to crime; and risk-need-responsivity, its guiding principles is provided first.

The Psychology of Criminal Conduct. The Psychology of Criminal Conduct (PCC) is rooted in General Personality and Cognitive Social Learning Theory (GPCSL) as the core of its foundation (Andrews & Bonta, 2010). General personality theory refers to the antisocial personality patterns displayed by the offender; while cognitive theory, refers to the antisocial attitudes, values, and beliefs of the offender; and social learning theory refers to the importance of understanding the social context of companions, school and work, and leisure activities and how they influence and/or contribute to criminal behavior (Andrews & Bonta, 2010).

PCC argues that criminal behavior stems from weighing the costs and benefits of participating in criminal behavior or conventional behavior (Andrews & Bonta, 2010). This cost/benefit analysis can vary across time and situations, but is seen as universal across youth and adults, different groups (e.g. gangs), genders (including transgendered), racial and ethnic backgrounds; and across specific offences, including violent, non-violent, and sexual offences (Andrews & Bonta, 2010).

Risk-Need-Responsivity. According to PCC, the guiding principle to effectively address criminality is Risk-Need-Responsivity (RNR). According to Andrews and Bonta (2010), the LS Scales, including the YLS/CMI, are based on the principle of Risk-Need-Responsivity (RNR).

Adherence to the RNR model has been shown to decrease recidivism (Bonta & Andrews, 2007).

However, there is a strict caveat here. While adherence to the RNR model has been shown to be effective at decreasing recidivism (Bonta & Andrews, 2007; Luong & Wormith, 2011), authors have found “allegiance effects” that demonstrate that the greater support of the RNR model, the more likely it is to be followed, leading to greater outcomes (Andrews et al., 2011).

Risk. The probability of recidivism is referred to simply as risk, and who should receive what treatment is determined by matching the service level (minimal or intense) to the offenders assessed risk to reoffend (low, medium, high).

Need. Criminogenic needs, are the dynamic treatment targets (risk factors), which are amenable to change in order to reduce recidivism. Targeting specific criminogenic needs (e.g. antisocial peers) in treatment has been shown to reduce recidivism, whereas targeting non-criminogenic needs (e.g. self-esteem) has been shown to exacerbate recidivism (Andrews & Bonta, 2010; Bonta & Andrews, 2007).

Responsivity. Responsivity refers to the best delivery method for treatment targets, which are often cognitive-behavioural based (Andrews & Bonta, 2004; Andrews & Bonta, 2010; Bonta & Andrews, 2007). At the simplest level, responsivity refers to how an offender responds to treatment (Bonta & Andrews, 2007). However, responsivity is also a very complex term, referring to: 1) general responsivity, and 2) specific responsivity (Bonta & Andrews, 2007). Responsivity determines *how* to treat an offender, that is, using techniques that pay attention to psychosocial and biological factors, and deliver programming that is the most effective at changing behaviours, (Andrews & Bonta, 2010; Bonta & Andrews, 2007).

General responsivity. General responsivity refers to the adherence of cognitive-behavioural strategies as the most effective forms of offender treatment (Andrews & Bonta, 2010).

Specific responsivity. Specific responsivity refers to the specific characteristics of the offender that need to be considered in treatment and case management, including interpersonal skills, verbal and cognitive reasoning, mental health, and intelligence (Andrews & Bonta, 2010).

Criminogenic Risk Factors. Using a principle component analysis, the top eight criminogenic risk/need factors identified for the Levels of Service model are those that were found to have the highest correlation to recidivism (Andrews and Bonta, 2010). Seven of these risk/need factors are dynamic in nature, which makes them amenable to change, while one remains static (Andrews & Bonta, 2010).

Youth Levels of Service/Case Management Inventory. The tools created by the LS model for youth offender risk assessment is the Youth Levels of Service/Case Management Inventory (YLS/CMI) (Hoge, Andrews & Leschied, 2002). The YLS/CMI is an evolution of the original Youth Levels of Service Inventory (Y-LSI), with the added benefit of a comprehensive case management component missing from its predecessor. The YLS/CMI is divided into six parts, with parts I and II responsible for providing the risk assessment, and parts III through VI acting as the comprehensive case management component that addresses barriers to responsivity considerations (Hoge, Andrews & Leschied, 2002).

Part I. Part I of the YLS/CMI is divided into 8 sub-categories, also known as the central eight risk factors (Hoge, Andrews & Leschied, 2002). While each LS scale variant may label its central factors differently, or may include additional items, the central eight risk factors remain largely the same across scales. The central eight factors (Table 2.1), combine to create a Total Score ranging from 0-42, thereby providing a 4-level ordinal risk classification: 0-8 (low risk), 9-22 (moderate risk), 23-34 (high risk), and 35-42 (very high risk) (Hoge, Andrews & Leschied, 2002). The central eight risk factors (appearing in order) for the YLS/CMI are: Prior and Current

Offences/Disposition, Family Circumstances/Parenting, Education/Employment, Peer Relations, Substance Abuse, Leisure/Recreation, Personality/Behaviour, and Attitudes/Orientations. As observed in Table 2.1, not all the subcomponents are scored in the same way, as each factor may have a different number of psychosocial indicators associated with it.

Table 2.1

Y-LSI Central Eight Risk Factors and Risk Total

Variable	Score	Measures
Prior and Current Offences/Dispositions	0-5	prior convictions, compliance, prior probation, prior incarcerations, current convictions
Family Circumstances/Parenting	0-6	Supervision, behavioural problems, inappropriate discipline, parenting, paternal/maternal relationships
Education/Employment	0-7	Classroom behavior, in-school behavior, low achievement, peer issues, teacher conflicts, truancy, unemployment
Peer Relations	0-4	anti-social peer associations, lack of positive peer influences
Substance Abuse	0-5	Frequency of drug/alcohol use, impact of substance abuse, linkage to offence
Leisure/Recreation	0-3	Limited participation in, or lack of pro-social activities
Personality/Behaviour	0-7	Self-esteem, verbal and physical aggression, tantrums, attention span, frustration, lack of guilt feelings
Attitudes/Orientations	0-5	Anti-social/pro-criminal attitudes, lack of help-seeking, rejects help, defiance, callousness
Total Score	0-42	Risk level: Low (0-8), Moderate (9-22), High (23-34), Very High (35-42)

The big four. Prior and current offences, peer relations, personality/behaviour, and attitudes/orientations are commonly referred to as the “Big Four”, because they are the four factors with the highest correlation to recidivism out of the eight risk factors; with substance abuse, education/employment, family circumstances/parenting, and leisure/recreation rounding out the

risk assessment as the “moderate four” (Andrews & Bonta, 2010; Hoge, Andrews & Leschied, 2002). While proponents of the LS scales have found significant support for the “Big Four”, they have also been heavily criticized for their development and validation on white males (discussed further below), while simultaneously ignoring the potential for greater, or other, needs across gender, race and ethnicity, and other offender categories. This is not to say that these four factors are without merit; however, they may be of less importance to some groups compared with some of the other criminogenic needs. This adds further need for the current study.

Part II. Parts II of the YLS/CMI provides the user with the summary of risks and needs, including scoring breakdown for each of the eight subcomponents, and the sum of scores for the total score and its ordinal risk scale.

Parts III-VI. The remaining sections of the YLS/CMI provide a comprehensive case management component to the risk assessment tool. It should be noted that these sections do not enhance or mitigate the scoring process of Part I.

Part III addresses special considerations at both the parental and youth level (Hoge, Andrews & Leschied, 2002). Parental considerations include emotional and psychiatric problems, financial troubles, substance abuse, family problems (including parental abuse, and family trauma), and cultural/ethnic issues; while youth considerations include levels of functioning, intelligence, and disabilities; as well as mental and physical health problems, achievements, and social skills deficits (Hoge, Andrews & Leschied, 2002). While Part III appears to address some of the special considerations that give rise to the scale’s criticisms, such as its use with ethnic and racial minorities, and family issues including abuse, it must be reinforced that these are case management-related considerations that are treated as barriers to specific responsivity, rather than as clinical targets of intervention.

Part IV addresses congruence of the risk assessment's outcomes with that of the practitioner administering it (Hoge, Andrews & Leschied, 2002), which is the YLS/CMI equivalent to the clinical override featured in the adult version – the LS/CMI (Andrews, Bonta, and Wormith, 2004). The clinical override is used to adjust the overall risk classification when the practitioner administering the assessment feels that the overall score is incongruent with the perceived overall risk the offender poses (Andrews, Bonta & Wormith, 2004). The practitioner administering the override must provide significant justification as to why she or he feels that the outcome of the LS scale does not accurately reflect the perceived risk level of the offender (Andrews, Bonta & Wormith, 2004). Further, this justification must be supported and signed off by the supervisor and a certified LS trainer (Andrews, Bonta & Wormith, 2004). Reasons for using the override can include particular strengths identified in one or several areas, or mitigating factors such as the nature or notoriety of the offence (Andrews, Bonta & Wormith, 2004). While this remains in the discretion of the practitioners, Andrews, Bonta & Wormith (2004) warn against frivolous use of the override, as the scales are normed to work with the majority of offenders; and that overriding the scales, they argue, has only been beneficial in 6% of cases (Grove et al., 2000).

Part V helps the practitioner determine the level of contact or supervision/treatment with the offender, while Part VI provides a case management plan that includes goal setting and the means to achieve them (Hoge, Andrews & Leschied, 2002).

Psychometric Properties. The levels of service family of risk assessment tools are psychometrically sound, with a wealth of research that demonstrates strong reliability and validity (Andrews & Bonta, 2010; Andrews, Bonta & Wormith, 2004).

Reliability. The LS scales have a demonstrated track record that includes strong reliability, particularly for internal consistency, and interrater reliability; with limited support for test-retest reliability.

Internal consistency. The LS scales have demonstrated favorable levels of internal consistency, with Chronbach's alpha reported above .90 in most studies (Andrews, Bonta & Wormith, 2004; Onifade et al., 2008; Girard & Wormith, 2004; Hiltermann, Nicholls & Nieuwenhuizen, 2013; Schmidt, Hoge & Gomes, 2005); a trend that is reported across gender and ethnicity categories (Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015), with one international study (Chinese) found to report an alpha level of .85 (Zang & Liu, 2014).

Interrater reliability. Due to their ease of use, and full training courses provided to professionals and researchers alike, the LS scales have demonstrated that they have strong interrater reliability (Andrews, Bonta & Wormith, 2004; Rocque & Plummer-Beale, 2014). The authors of the original study that used the data set in the current study reported intraclass correlations for each of the YLS/CMI subscales, which ranged from as low as .68 (leisure/recreation) to as high as .76 (attitudes/orientations), even when controlling for other factors such as sex and race (Flores, Travis & Latessa, 2003).

While intraclass correlations are usually favorable, a recent study by Hiltermann, Nicholls, and Nieuwenhuizen (2013) found the total score of the YLS/CMI to be fair (.51), with the subscales ranging from excellent (m) to poor (attitudes/orientation: .14).

Test-retest reliability. Studies on test-retest reliability of the LS scales are virtually nonexistent. The reason behind this is that due to the dynamic nature of the LS model, risk/need factors are expected to decrease over time with proper intervention (Andrews, Bonta & Wormith, 2004). In addition to this, the LS scales are supposed to be reassessed every 6 months as part of ensuring

adherence to the guiding principles of RNR. However, one study by Girard and Wormith (2004) found that in a 1-month follow up, test-retest reliability demonstrated an alpha coefficient of .88 for the LS scale's total score. Barnes et al. (2016) published one of the few studies to examine intake (initial assessment) and exit scores (treatment completion) of the YLS/CMI. The authors found that changes in risk scores were associated with recidivism, and that intake and exit scores were significantly different ($p < .05$). The study conducted by Barnes et al. (2016) is an important contribution to the psychometric data on the LS scales. As the scores are expected to change over time, test-retest reliability is difficult to measure for dynamic risk.

Validity. The LS scales have acceptable levels of concurrent validity, and external validity. However, much of the validation research to date has focused heavily on the predictive validity of the LS scales.

Predictive validity. Proponents of the LS scales argue that the central eight factors demonstrate superior predictive validity in their assessment of the risk of recidivism compared with other popular factors thought to contribute to crime, including social and psychological problems, socioeconomic status, low self-esteem, as well as static factors such as age and race (Andrews & Bonta, 2010, p. 307; Cottle, Lee, Heilburn, 2001).

The LS scales have demonstrated levels of predictive validity that are acceptable for the general and violent offender population (Andrews, Bonta & Wormith, 2004; Caudy, Durso & Taxman, 2013; Schmidt, Hoge & Gomes, 2005), as well as for offender subgroups such as females (Andrews et al., 2011; Palmer & Hollin, 2007; Smith, Cullen & Latessa, 2009), and racial and ethnic minorities (Bonta, 1989; Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015), albeit with generally lower correlations to recidivism.

Smith, Cullen and Latessa (2009) conducted a large scale meta-analysis that compared male and female offenders. The authors argue that the correlation between the LSI-R total score and recidivism is virtually the same for male and female offenders; however, the gender critiques that the LS scales were developed on all-male samples, that there may be gendered pathways to crime that make the risk/needs of males and females different, should not be ignored (Smith, Cullen & Latessa, 2009). The authors caution, however, that while the LSI-R may not be as gender-informed as critics would like, it is the best option for assessing risk at this time, and that instruments should be developed to support and supplement the LS scales, rather than replace them (Smith, Cullen & Latessa, 2009).

Concurrent validity. Studies assessing the concurrent validity of the LS scales often compare them to other popular risk assessment tools, such as the Structured Assessment of Violence Risk in Youth (SAVRY) (Borum, Bartel, Forth, 2005), the Psychopathy Checklist- Revised (PCL-R) (Hare, 2003), the Psychopathy Checklist: Youth Version (Forth, Kosson & Hare, 2014), and the Correction Offender Management Profiling for Alternative Sanctions (COMPAS) (Brennan & Oliver, 2000).

Although the LS scales may perform better or worse than other risk assessment tools, it should be noted that Receiver Operator Characteristics (ROC) for all these risk assessment tools demonstrate strong results, usually with an Area Under the Curve (AUC) of .64 or higher, depending on the recidivism measure (Campbell et al., 2014; Catchpole & Gretton, 2003; Fass, Heilburn, Dematteo & Fretz, 2008; Hilterman, Nicholls & Nieuwenhuizen, 2013; Schmidt, Campbell & Holding, 2011; Welsh, Schmidt, McKinnon, Chatta & Myers, 2008). Of the three risk assessment tools (YLS/CMI, SAVRY, PCL:YV), Welsh et al., (2008), found that while they were

all significant to varying degrees in predicting general and violent recidivism, the SAVRY had the greatest incremental validity compared to the others.

One important point to keep in mind regarding these comparisons of concurrent validity, however, is that the LS scales were designed as a risk assessment to measure general recidivism, rather than any specific form of recidivism; meanwhile, risk assessment tools such as the SAVRY were designed with the intention to measure youth violence, and the PCL-R/PCL: YV were designed to measure a construct of psychopathy. While the PCL-R/PCL:YV were originally designed for uses outside of predicting general recidivism or violent recidivism, each of the tools share characteristics that make them viable options for predicting recidivism, such as some of the personality traits of psychopathy that correlate with offending (Campbell, French & Gendreau, 2007).

External validity. The LS scales have been found to be acceptable for use in both custodial and community practice (Andrews, Bonta & Wormith, 2004; Girard & Wormith, 2004); as well as being widely accepted as an effective form of actuarial risk assessment for a wide variety of offenders, including males and females, and offenders of different racial and ethnic backgrounds (Andrews & Bonta, 2010; Andrews, Bonta & Wormith, 2004; Geraghty & Woodhams, 2015; Manchak, Skeem, Douglas & Siranosian, 2009; Schwalbe, 2008; Olver, Stockdale & Wormith, 2009; Olver, Stockdale & Wormith, 2013; Smith, Cullen & Latessa, 2009; Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015).

Challenges and Criticisms. There are several criticisms against the levels of service scales, which include the classic criticism that they were developed on a sample of all males (Andrews, Bonta & Wormith, p.94). Other criticisms include the perceived advantage that Canadian samples provide in terms of validation studies (Olver, Stockdale and Wormith, 2013). Overwhelmingly,

positive studies on the utility of the LS scales tend to come from Canada; however, research from other western countries such as the United States, Australia, and the United Kingdom have demonstrated positive results with the LS scales (Olver, Stockdale & Wormith, 2013). International studies have also found supportive evidence for the predictive validity of the LS scales (Zhang & Liu, 2014); however, some of these studies have noted that some of the subscales do not demonstrate acceptable levels of internal consistency within their country (Takahasi, Mori & Kroner, 2013).

The challenges and criticisms presented in this section highlight some of the inherent weaknesses of the LS scales, including their focus on proximal versus distal factors; their decreased predictive accuracy for different types of recidivism; and their decreased predictive utility for some offender subgroups, such as female offenders, racial and ethnic minorities, and dual-status youth.

Deficits focus. One of the most recent criticisms of the RNR model, and by extension, the LS scales, is the focus on criminogenic needs as deficits, and the sole focus on risk reduction by targeting these deficits (Ward, Yates & Willis, 2011). One such model that arose from the shortcomings of the RNR model (mainly regarding sexual offenders) is the Good Lives Model (GLM) (Ward, Yates & Willis, 2011). While the RNR model is focused solely on risk reduction, which is often achieved through cognitive-behavioural therapy and relapse prevention (Andrews & Bonta, 2010; Bonta & Andrews, 2007); GLM is inclusive of both risk reduction and the promotion of future-oriented, strengths-based targets to achieve offender treatment goals (Ward, Yates & Willis, 2011).

Andrews, Bonta and Wormith (2011) have criticized GLM by concluding that it offers nothing new that RNR does not already accomplish, and instead of using effective risk-reduction strategies

(cognitive-behavioral therapy, relapse prevention), it promotes weak approaches, such as unstructured clinical judgement, while simultaneously ignoring criminogenic needs. Ward, Yates and Willis (2011) provide a direct response to these claims, by demonstrating several key points that they believe Andrews, Bonta and Wormith (2011) have misunderstood: that GLM does place considerable weight on criminogenic needs, but that it also diverges in terms of using collaborative strategies that empower the offender, rather than prescribed models of risk-reduction. The authors conclude their response by reiterating that GLM incorporates the principles of RNR *with* professional judgement, and a comprehensive strengths-based framework that helps offenders achieve greater success in achieving goals that make offending behaviour incompatible with pro-social behaviours that support long-term success (Ward, Yates & Willis, 2011).

Proximal vs. distal factors. Another criticism of the LS scales is that they are focused too heavily on proximal factors related to crime, such as attitudes, behaviors, and negative/anti-social associates; while ignoring distal factors of crime such as neighborhood variation, socioeconomic status; family history of crime, family mental health, child and family service involvement, and gang presence (Katz & Schnebly, 2008; Kubrin & Stewart, 2006).

While there is clear evidence in favor of the proximal factors of the LS scales to predict recidivism, there is evidence that distal factors also predict recidivism. Socially disadvantaged neighborhoods are one example of a distal factor that is correlated with recidivism (Kubrin & Stewart, 2006). Offenders that return to highly disadvantaged neighborhoods compared to neighborhoods with low disadvantage, are at an increased risk of recidivism of 43% (Kubrin & Stewart, 2006). In addition to the increased risk of recidivism, disadvantaged neighborhoods characterized by a high degree of instability (transiency, and poor housing conditions) also place

youth at risk of gang involvement, which would indirectly place youth at risk of recidivism (Katz & Schnebly, 2008).

Another distal factor that is ignored by the LS scales is the impact of poverty on outcomes that relate directly to some of its subcomponents. A specific example is the impact of poverty (a distal factor) on education outcomes (a proximal factor of the LS scales). Fergusson, Bovaird, and Mueller (2007) found that children living in poverty enter school with both cognitive and behavioral disadvantages, which have direct impacts on educational achievement.

Using a large and diverse sample of boys and girls, including racial and ethnic minorities, Onifade et al. (2008) found that while the YLS/CMI had high classification rates for risk levels ($AUC = .62, p < .01$); they conclude that the risk assessment would benefit from the inclusion of ecological variables associated with recidivism, which encompass both proximal and distal factors. Adding further support to these findings, Onifade et al. (2011) used a hierarchical logistic regression to analyze the relationship between risk level, recidivism, and neighborhood factors on a diverse sample of youth offenders. The authors found that neighborhood characteristics, such as socioeconomic status moderated the risk and recidivism relationship (Onifade et al., 2011).

General vs. violent recidivism. It is generally accepted that the LS scales are stronger predictors of general (non-violent) recidivism than they are for violent recidivism (Rowe, 2002; Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015). However, while the predictive validity is generally lower for violent recidivism compared to general recidivism, the LS scales still remain significant in their correlation to predict recidivism in most cases, regardless of these differences (Andrews, Bonta & Wormith, 2004; Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015; Smith, Cullen & Latessa, 2009). Comparing general and violent forms of recidivism, Wormith and Hogg (2012) found that while the LSI-OR had a greater correlation to the prediction of general recidivism for

males, the opposite was found for females where the LSI-OR had a greater correlation to the prediction of violent recidivism.¹

While there are several studies that examine the predictive utility of the LS scales for general and violent recidivism, there are fewer that have focused specifically on drug crimes. This is not to say that there are no studies that have examined substance-abusing offenders and recidivism; but the specificity of drug crimes, including trafficking and possession, and connections to the LS scales are rare compared to studies on general and violent recidivism. A recent study by Papp et al. (2016) examined the predictive validity of the YLS/CMI on a sample of youth convicted of drug crimes. The authors found that the substance abuse (SC5) domain of the YLS/CMI was not correlated with recidivism when drug offenders were compared with other offenders, despite having significantly higher YLS/CMI scores for substance abuse.

Gender differences. Proponents of the LS scales support a gender-neutral stance that argues that male and female offenders have similar criminogenic needs, and that the LS scales are equal in predicting recidivism for both genders (Andrews et al., 2011; Andrews et al., 2012; Andrews, Bonta & Wormith, 2004; Andrews & Bonta, 2010). But are the LS scales truly gender-neutral?

Carns and Martin (2011) reported that while higher scores on the YLS/CMI predicted recidivism in males, they did not for females.² Large scale studies have reported that while the LS scales do predict recidivism for females, they often have decreased predictive validity compared to that for males (Olver, Stockdale & Wormith, 2013; Wormith & Hogg, 2012; Wormith, Hogg and Guzzo, 2015) Manchak et al. (2009) report that gender did not moderate LSI-R scores in their

¹ Levels of Service Inventory – Ontario Revision (Andrews, Bonta & Wormith, 1995).

² Youth Levels of Service/Case Management Inventory risk score. Carns and Martin (2011) found that higher total scores, with their corresponding risk level predicted recidivism for males, but not females.

study. Their sample was very unbalanced, having only 70 female offenders compared to 1035 males, which calls into question the statistical power to make comparisons.³

Vitapoulos, Peterson-Badali and Skilling (2012) examined the effectiveness of not only the YLS/CMI in terms of its predictive validity, but also the principles of RNR in their ability to target criminogenic risk/need factors and deliver appropriate intervention to reduce recidivism. The authors noted that the males and females in their sample were similar in their criminogenic risk/need profile, and that the YLS/CMI predicted recidivism equally for both groups (Vitapoulos, Peterson-Badali & Skilling, 2012). However, when it came to the principles of RNR to match services to the appropriate risk/needs, recidivism was only reduced for males, and not females (Vitapoulos, Peterson-Badali & Skilling, 2012). This suggests that not only are the LS scales ignoring important risk/need factors for female offenders, but the core principles of RNR itself may be ineffective or inappropriate for females, as well.

The LS scales have been criticized for failing to capture or consider the risk/need factors that are unique (or heavily weighted towards) female offenders (Hannah-Moffat, 2009; Salisbury & Van Hoorhis, 2009). These unique risk/need factors include factors of parental stress/single-parenting, low self-esteem, abuse histories (physical and sexual), substance abuse, domestic violence, self-efficacy, poverty, and relationships (Daly, 1992; Salisbury & Van Voorhis, 2009; Salisbury et al, 2009). The theory of gendered pathways for crime states that female offenders experience difficulties with extensive abuse histories (physical and sexual) and resulting trauma (PTSD and other anxiety disorders, depression, substance abuse), dysfunctional relationships, a lack of self-esteem or self-efficacy, disproportionate levels of single-parenting, and a lack of economic or educational resources to support themselves (Daly, 1992; Jung et al., 2015; Palmer,

³ Levels of Service Inventory – Revised (Andrews & Bonta, 1995).

Jinks & Hatcher, 2010; Salisbury & Van Voorhis, 2009; Salisbury, Van Voorhis & Spiropoulos, 2009).

Reisig et al. (2006) conducted a study using logistic regression. The authors found that actuarial risk assessment tools such as the LSI-R are valid at predicting recidivism for women that experience significantly less marginalization; but for women experiencing the more marginalized gender pathways, the results indicated significant misclassification of risk, which has significant negative impacts on predictive validity.⁴

Of the current central eight risk factors of the LS scales, there is a feminist argument that certain subscales of the LS scales may be of greater importance to female offenders, which includes substance abuse, education/employment, companions (relationships), and financial difficulties (unique to the LSI-R) (Heilburn, Dematteo, Fretz, Erickson, Yasuhara & Anumba, 2008; Van Voorhis, 2009). While Salisbury et al. (2009) found substance abuse to be significantly correlated to different forms of recidivism (prison outcome, prison misconduct, community re-arrests, technical violations, return to custody), Rettinger and Andrews (2010) argue that the significance of substance abuse as a predictor of recidivism does not outweigh the other central risk factors or the total risk score of the LS scales. Heilburn et al. (2008) found that male and female offenders differed significantly in the companions, education/employment, and financial domains of the LSI-R, where female offenders had significantly higher needs in these areas.

Race and Ethnicity. Racial differences have been a matter of debate regarding the LS scales. Proponents of the risk assessment tools strongly argue that they are also racially and ethnically neutral (Andrews & Bonta, 2010; Andrews, Bonta & Wormith, 2004). It can be argued that the LS scales are racially and ethnically neutral in so far as they are able to predict recidivism, of that

⁴ Levels of Service Inventory – Revised (Andrews & Bonta, 1995).

there is no doubt (Wormith, & Hogg, 2012; Wormith, Hogg & Guzzo, 2015); but there are definitive differences observed in how well they predict recidivism.

Despite the claim of racial and ethnic neutrality, the LS scales have also been criticized for being racially and ethnically biased (Whiteacre, 2006). It is well documented in the literature that racial and ethnic minority offenders tend to be assessed as higher risk to reoffend on forensic measures, are often placed on a higher level of supervision (custody or community) and are highly overrepresented in the offender population (Martell et al., 2011; Rugge, 2006; Whiteacre, 2006).

Using program completion and program disciplinary measures (e.g. late for curfew) as outcomes in a community correctional setting, Whiteacre (2006) examined the LSI-R for the potential of racial and ethnic bias.⁵ Whiteacre (2006) found that African-American offenders were often both overclassified and underclassified for program completion compared to Caucasian offenders; and both African-American, and Hispanic offenders were overclassified and underclassified for program disciplinary measures. However, these patterns were dependent on the cut-off score, and the outcome measure used (Whiteacre, 2006). For example, an LSI-R cut-off score of 16 resulted in more misclassifications, while a score of 25 or higher resulted in fewer misclassifications (Whiteacre, 2006). Although a convenience sample was used in this study, Whiteacre (2006) encourages criminal justice agencies to evaluate their own risk assessment instruments for potential racial, ethnic, and gender bias.

In a study comparing white and non-white offenders, Bechtel, Lowenkamp and Latessa (2007) found that once age and the mean of the YLS/CMI total score were controlled, race was a profound predictor of recidivism. Schlager and Simourd (2007) found the psychometric properties of inter-scale correlations and internal consistency to be favorable for both African-American and Hispanic

⁵ Levels of Service Inventory – Revised (Andrews & Bonta, 1995).

offenders, but the predictive validity was lower for these two groups compared to what has been found in similar studies.

Indigenous offenders are also one of the most overrepresented subgroup of offenders, especially in Canada; are often classified as higher risk compared to Caucasians, and may have additional risk factors that are equally unique to their history and position within society (Rugge, 2006). Several studies have found that while the LS scales can predict recidivism for Indigenous offenders, they do so with decreased predictive validity compared to Caucasian offenders across genders (Bonta, 1989; Holsinger, Lowenkamp & Latessa, 2006; Wilson & Gutierrez, 2014; Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015).

Martel et al. (2011) do not just criticized the LS models specifically, but actuarial risk assessment over all regarding Indigenous offenders. More specifically, Martel et al. (2011) criticize current risk-assessment and risk-management practices regarding Indigenous offenders for:

- 1) the structural markers of risk assessment including, family problems, substance abuse, and social exclusion in education and employment, and recreation are magnified by the marginalization of Indigenous people, placing them at a higher risk level;
- 2) self-identifying as Indigenous is both risk-enhancing at the assessment stage due to structural and social disadvantages, and risk-reducing at the correctional stage due to the adoption of culturally-appropriate programming; and
- 3) the transfer of responsibility of risk-management from the justice system to the responsibility of the Indigenous community.

What can be concluded from Martel et al. (2011) is that the current models of actuarial risk are not only inappropriate for Indigenous offenders as they fail to capture their needs; there is racial bias built into its scoring, assessment and classification processes, which place Indigenous offenders at a disadvantage, often assessing them as higher risk, with no real programming to offer that address these needs. Instead of offering programming and taking

responsibility for the racial biases, the criminal justice system offloads these responsibilities onto Indigenous communities, which in some cases are ill-equipped to handle them (Martel et al., 2011).

A recent study conducted by Shephard, Singh, and Fullam (2015) explored the predictive utility of the YLS/CMI on a multi-ethnic cohort. The authors found that the YLS/CMI was able to accurately predict recidivism for English-speaking youth, and for high-risk youth across the entire sample; however, the results were insignificant for youth that were culturally diverse or Indigenous, or were non-English speaking or multi-lingual (Shephard, Singh & Fullam, 2015).

Dual-Status Youth. The predictive validity of the LS scales has also been challenged regarding their use with dual-status youth – those who are under the jurisdiction of both child services and juvenile justice agencies. Studies conducted on the predictive validity of the LS scales and dual-status youth have shown that they are insufficient for predicting recidivism for youth that have experienced maltreatment (Li et al., 2015; Onifade et al., 2014). Onifade et al. (2014) investigated the predictive validity of the YLS/CMI for recidivism of dual-status youth. The authors of the study used a series of analysis of covariance (ANCOVA) models to determine mean differences in risk factor scoring, followed by statistical analysis to determine the relationship of risk scores to recidivism using chi-square, logistic regression models, and receiver operator characteristics (ROC) to measure the strength of the relationship (Onifade et al., 2014). The authors found significant differences in risk scoring; where dual-status youth had higher total scores compared to delinquency-only youth. In addition to significant differences found in the family circumstances, peer group, personality, and attitudes subcomponents. Using an ROC analysis, Onifade et al. (2014) found that the YLS/CMI total score was an insignificant predictor of recidivism for dual-status youth. As well, the subcomponent scores identified as higher for dual-status youth were used

to create a new risk score, which was also found to be an insignificant predictor of recidivism, with results being consistent across gender.

Gangs. While there is a lot of research on gangs themselves, there is very little in the way of the connection between gang membership, and the validity of the LS scales. The few studies available about gang members and the LS scales do not necessarily challenge the effectiveness of the LS scales in their predictive validity; instead, they inform the LS scales that this group may demonstrate significantly greater risk/needs, and across more numerous dimensions compared with any other offenders (Chu, Daffern, Thomas & Lim, 2011; Guay, 2012). Maxson and Klein (2006) provide a modern model for gang membership that lines up very closely with the risk/needs model for the LS scales. They argue that gangs are the result of accumulated risk along five factors, some of which are closely related to the risk factors of the LS scales: the individual, their peers, family circumstances, school attachment/achievement, and community factors (Maxson & Klein, 2006). Four of these factors are proximal in nature, and identical to the LS scales, with one distal factor (community). With Maxson and Klein's (2006) model in mind, it stands to reason that gang-affiliated offenders may present as higher risk in these proximal factors compared with other offenders (and non-offenders), and that this risk may be further spread across multiple risk/need factors. In addition to the differences in proximal factors, professionals working with the LS scales and gang members should be aware of the distal factors related to gang membership that may influence proximal factors, such as neighborhood orientation (Maxson & Klein, 2006).

Chapter 3: Methods

The methods used in the current study are organized throughout the chapter as follows: research questions; an analysis of the sample originally collected by Flores, Travis and Latessa (2003); measures and analyses, including the YLS/CMI, dependent variables, and independent variables,

as well as descriptive statistics, data screening for missing variables, testing assumptions; and ending with inferential statistics and their associated testing hypotheses used in the study.

Research Questions

The LS scales claim that they are gender and ethnically neutral and can be used to predict recidivism on a wide range of offenders (Andrews & Bonta, 2010). Despite these claims, however, studies have shown differences in the predictive utility of the LS scales when examining the effects of gender, race and ethnicity, child service involvement, offence type, and a host of other factors. This study asks two main research questions:

1. Are there differences in the mean total risk scores of the YLS/CMI based on gender, race, Hispanic origin, child service history, gang affiliation, or offence type?
2. Are there differences in the mean of the composite score of the central eight risk factors of the YLS/CMI based on gender, race, Hispanic origin, child service history, gang affiliation, or offence type?

Hypotheses

To answer the two research questions above, a series of twelve hypotheses were posed:

ANOVA. Testing hypotheses for the bivariate analysis of variance (ANOVA), used gender, race, Hispanic origin, child service history (CHS), gang affiliation, and offence type as independent variables, with the YLS/CMI total score serving as the dependent variable. The following hypotheses were posed:

- H01: Holding all else constant, the mean total risk score for Gender will be equivalent for males and females.
- H1: Holding all else constant, the mean total risk score for Gender will demonstrate differences between males and females (two-tailed).
- H02: Holding all else constant, the mean total risk score for Race New will be equivalent for all racial categories (black, white, bi-racial, and “other” offenders).

- H2: Holding all else constant, the mean total risk score for Race New will be higher for racial minorities (black, bi-racial, and “other” offenders) compared to white offenders (one-tailed).
- H03: Holding all else constant, the mean total risk score for Hispanic Origin will be equivalent between Hispanic and non-Hispanic offenders.
- H3: Holding all else constant, the mean total risk score for Hispanic Origin will be higher for Hispanic offenders compared to non-Hispanic offenders (one-tailed).
- H04: Holding all else constant, the mean total risk score for Child Service History will be equivalent for all offenders.
- H4: Holding all else constant, the mean total score for Child Service History will be higher for offenders with a history of child service involvement compared to offenders without a history of child service involvement (one-tailed).
- H05: Holding all else constant, the mean total risk score for Gang Affiliation will be equivalent for all offenders.
- H5: Holding all else constant, the mean total risk score for Gang Affiliation will be higher for gang-affiliated offenders compared to offenders with no gang affiliation (one-tailed).
- H06: Holding all else constant, the mean total risk score for Offence Type New will be equivalent for all offence categories (minor offence, drug crimes, property crimes, and violent crime).
- H6: Holding all else constant, the mean total risk score for Offence Type will be higher for more serious offences (violent crime) compared to each lower tier of crime (property crimes, drug crimes, minor offences) (one-tailed).

MANOVA. Hypothesis testing for multivariate analysis of variance (MANOVA) used gender, race, Hispanic origin, CHS, gang affiliation, and offence type as independent variables, with the central eight risk factors serving as a composite dependent variable. The following hypotheses (two-tailed) were posed:

- H07: Holding all else constant, the mean scores of the central eight risk factors will be equivalent for males and females.
- H7: Holding all else constant, the mean scores of the central eight risk factors will demonstrate differences between males and females.

- H08: Holding all else constant, the mean scores of the central eight risk factors will be equivalent for race.
- H8: Holding all else constant, the mean scores of the central eight risk factors will demonstrate differences between racial categories (black, white, bi-racial, and “other” offenders).
- H09: Holding all else constant, the mean scores of the central eight risk factors will be equivalent for Hispanic, and non-Hispanic offenders.
- H9: Holding all else constant, the means cores of the central eight risk factors will be different between Hispanic and non-Hispanic offenders.
- H010: Holding all else constant, the mean scores of the central eight risk factors will be equivalent for all offenders, regardless of child service history.
- H10: Holding all else constant, the mean scores of the central eight risk factors will be different between offenders with a history of child service involvement and offenders without a child service history.
- H011: Holding all else constant, the mean scores of the central eight risk factors will be equivalent for all offenders, regardless of gang affiliation.
- H11: Holding all else constant, the mean scores of the central eight risk factors will be different between offenders with a gang affiliation and offenders without a gang affiliation.
- H012: Holding all else constant, the mean scores of the central eight risk factors will be equivalent for all offence types.
- H12: Holding all else constant, the mean scores of the central eight risk factors will be different between offence categories (minor offences, drug crimes, property crimes, and violent crimes).

Original Study Sample

This study conducted a secondary analysis, based on data collected by Flores, Travis, and Latessa (2003), which examined the effectiveness of the Youth Levels of Service Inventory (the older version of the YLS/CMI) as a valid predictor of recidivism. A random sample of 1679 youth was collected between July 1, 1998, and June 30, 1999. The authors also examined if the YLS/CMI was an effective case management tool using a survey to agency professionals. As the sample size

was large, and with a variety of demographic and social characteristics, reliability checks were conducted by the original research team (Flores, Travis & Latessa, 2003). Y-LSI scores were collected at two intervals: 1) Initial assessment; and 2) Reassessment after program completion, or 1 year after the initial assessment (Flores, Travis & Latessa, 2003). Only data collected at the initial assessment (Time 1) were used in the present study.

The original sample was collected from three different correctional agencies in the State of Ohio, including the Ohio Department of Youth Services (ODYS), the Clermont County Juvenile Probation Department, and the Butler County Juvenile Rehabilitation Centre (Flores, Travis & Latessa, 2003).

The current sample consists of 27.1% African-American, 69.5% Caucasian, .2% Asian, .1% American Indian, 1.3% Bi-racial, and 1.5% of “other” racial backgrounds. While the sample collected by Flores, Travis and Latessa (2003) was a little under representative for African-American offenders according to current offender populations (FBI, 2016), it is still close; and despite claims of its probability sampling, it does not appear to constitute a representative sample from the state of Ohio itself.

The Office of Criminal Justice Services (1995) published a series of papers collected on the State of Crime and Criminal Justice in Ohio. Within the collection, Jeffrey Knowles (1995) stated that despite composing 11% of the total population of Ohio, African-American adults composed 44% of those arrested for serious crimes, 58% of those arrested for violent crimes, and that they composed 55% of those entering prison in 1992. Although this is an adult statistic, it remains a relevant point for youth offenders, as UCR data indicates that youth offenders do not differ significantly from adult offenders (FBI, 2016, Table 43a) in terms of property and violent crime,

only that youth offenders commit a disproportionate amount of crime relevant to the total amount of crime (FBI, 2016, Table 43b).

Given the three counties that participated in the study, it is important to note their demographic composition. Butler County's demographic composition consists of 91.2% Caucasian, 5.27% African-American, 0.21% American Indian or Alaskan Native, 1.55% Asian, .03% Pacific Islander, .62% as "other" racial background, and 1.13% as two or more races (Census 2000). Clermont County's demographic background consists of 97.13% Caucasian, .91% African-American, .19% American Indian or Alaskan Native, .63% Asian, .02% Pacific Islander, .26% as "other" racial background, and .86% from two or more races (Census 2000). As for the third jurisdiction, ODYS, the demographic makeup for the sample was 44.3% African-American, 50.7% Caucasian, .2% Asian, 2.2% bi-racial, and 2.6% other. Table 3.1 reveals that most of the African-American (93.2%), bi-racial (95.5%), and "other" (100%) offenders in the sample came from a single jurisdiction, ODYS; while white offenders had a greater distribution across jurisdictions with 6.9% from Butler County, 51.6% from Clermont County, and 41.6% from ODYS. Most of the Asian offenders came from ODYS (50%), with the rest divided equally among Butler County (25%) and Clermont County (25%). The single American-Indian in the sample came from Clermont county. What can be concluded about the sample from Table 3.1 is that while ODYS was the largest sampling district, it was also where most racial minorities were sampled from.

ODYS contains several youth correctional facilities spread across multiple counties in its jurisdiction, including currently Pickaway County, Highland Hills, and Massillon (Ohio Department of Youth Services, retrieved on December 17, 2017). It is unclear in the data provided as to exactly which youth correctional facilities were included, but simply using modern

jurisdictions as a reference, there is a high probability that Highland Hills is one of the counties included.⁶

The demographic characteristics of Highland Hills reveals that Caucasians only compose 30.47% of the population, with the majority being African American at 65.08%, followed by Asian (.93%), American Indian or Alaskan Native (.06%) from “other” racial backgrounds (.99%), and from two or more races (2.47%) (Census, 2000). In addition to these differences, there were substantial differences in household income, where those living in Highland Hills had a substantially lower median household income (\$31,731) compared to Clermont County (\$49,386), and Butler County (\$54,788) (Census, 2000).

While more white offenders came from Butler County and Clermont County, which appears to be characterized by middle to upper class socioeconomic status; African-Americans, bi-racial, and “other” offenders have come from ODYS, and most likely from Highland Hills, which is a smaller community of lower socioeconomic status where 22.9% of the population lived below the poverty line, compared to the 12.8% and 7.1% of Butler County and Clermont County residents, respectively (Census 2000). What can be concluded from Table 3.1 is that racial minorities were mainly sampled from the poorest jurisdictions, while white offenders were sampled from the more affluent jurisdictions. Literature supports the connection of both race and ethnicity with poverty, and the connection between poverty and crime (Chettleburgh, 2007; Ferguson, Bovaird & Mueller, 2007; Gabbidon, 2010; Katz & Schnebly, 2008; Onifade et al., 2011; Totten & Totten, 2012; Vigial, 1988).

Overall, the sample is less than representative of the offender population of Ohio at around the time of the original data collection based on the 2000 Census of each county, and the evidence

⁶ The sample size from ODYS indicates a large sample of African-American offenders, which is representative of Highland Hills, and the associated facility, Cuyahoga Hills Juvenile Correctional Facility.

presented by Knowles (1995). However, it does remain representative of the modern offender population according to the UCR (FBI, 2016), so the data are valuable for generalizing results to the greater offender population in the United States.

Table 3.1

Cross-Tabulation of Agency Code by Race

		Black	White	Asian	American Indian	Bi- racial	Other	Total
Butler County	Count	11	80	1	0	1	0	93
	% within AGENCY CODE	11.8%	86.0%	1.1%	0.0%	1.1%	0.0%	100%
	% within RACE	2.4%	6.9%	25%	0.0%	4.5%	0.0%	5.6%
	% of Total	0.7%	4.8%	0.1%	0.0%	0.1%	0.0%	5.6%
Clermont County	Count	20	602	1	1	0	0	624
	% within AGENCY CODE	3.2%	96.5%	0.2%	0.2%	0.0%	0.0%	100%
	% within RACE	4.4%	51.6%	25%	100%	0.0%	0.0%	37.3%
	% of Total	1.2%	36.0%	0.1%	0.1%	0.0%	0.0%	37.3%
ODYS	Count	424	485	2	0	21	25	957
	% within AGENCY CODE	44.3%	50.7%	0.2%	0.0%	2.2%	2.6%	100%
	% within RACE	93.2%	41.6%	50%	0.0%	95.5%	100%	57.2%
	% of Total	25.3%	29.0%	0.1%	0.0%	1.3%	1.5%	57.2%
Total	Count	455	1167	4	1	22	25	1674
	% within AGENCY CODE	27.2%	69.7%	0.2%	0.1%	1.3%	1.5%	100%
	% within RACE	100%	100%	100%	100%	100%	100%	100%
	% of Total	27.9%	69.7%	0.2%	0.1%	1.3%	1.5%	100%

Measures and Analyses

All subjects were placed into an Analysis of Variance (ANOVA), to test the mean differences among the six demographic and background variables (IV's) on the Y-LSI total score. In a separate analysis, all six IV's were placed into a Multivariate Analysis of Variance (MANOVA), to test the mean difference among the six demographic variables (IV's) on a composite of the eight dependent variables (SC1-SC8) of the Y-LSI.

Measures. Several measures are used in this study, including the YLS/CMI total score, and its eight subcomponents acting as dependent variables; as well as six demographic variables including gender, race, Hispanic origin, child service history, gang affiliation, and offence type serving as independent variables.

Youth levels of service/case management inventory. The YLS/CMI is designed for offenders ages 12-15, and uses a 42-item scale, with four risk categories: low, moderate, high, and very high (Hoge & Andrews, 2002). Part I of the YLS/CMI is divided into eight sub-components (1-8), which include the central eight risk factors, with a Total Score at the end indicating the offender's risk level (Hoge & Andrews, 2002). For Part I to Part VI of the YLS/CMI (and any of its variants), the test administrator must have either: 1) Multi Health Systems (MHS) b-level qualifications such as the completion of graduate level courses in testing, measurement, assessment or equivalent training; or 2) must be trained by an MHS-approved trainer and/or training program (Andrews, Bonta & Wormith, 2004; Hoge, Andrews & Leschied, 2002).

Dependent variables. Data included the eight sub-component scores, as well as total risk scores of the Youth Levels of Service Inventory (Y-LSI). The eight subcomponents and YLS/CMI total score in this study are: Prior and Current Offences (SC1), Family Circumstances/Parenting (SC2), Education/Employment (SC3), Peer Relations (SC4), Substance Abuse (SC5), Leisure/Recreation

(SC6), Personality/Behaviour (SC7), Attitudes/Orientation (SC8), and the YLS/CMI Total (YLSITOTL).

It should be noted that the original Y-LSI scores were determined by agency staff where the samples were derived; and that Travis, Latessa, and Flores (2004) conducted a measure of quality control for YLS/CMI scoring where YLS/CMI trained researchers conducted separate YLS/CMI interviews and compared their assessments with those of agency staff. The YLS/CMI demonstrated exceptional interrater reliability between agency staff and researcher YLS/CMI scores, as no significant differences were found (Travis, Latessa & Flores, 2004).

Independent variables. Six demographic variables within the data set were used as independent variables throughout the analyses: Gender, Race, Hispanic Origin, Child Service History, Gang Affiliation, and Offence Type.

Gender. Flores, Travis, and Latessa (2003) do not state in their original publication, or the code book available from ICPSR, how sex is determined outside of the file review. Also, gender and biological sex appear to be used interchangeably, wherein the data collection instrument included in Flores, Travis, and Latessa (2003) refers to the biological sex of male and female; whereas the code book refers to this dichotomy as gender.

Race new. Flores, Travis, and Latessa (2003) gathered data on the racial background of their sample. This included six categories for White, Black, American Indian, Asian, Biracial, and Other. The original publication, and the code book, do not state how race was determined outside of file review. In the data set provided by NACJD, there were three variables for the race: 1) Race that included the six racial categories mentioned above; 2) Race1 that included only white and non-white; and 3) Race2 that included white, black, and others categories. The variable chosen for analysis was race, because it showed the greatest diversity for the study. Due to the very limited

number of Asian offenders (N = 6), and American Indian offenders (N = 1) in the original sample, they were recoded into the “others” category of race. Rather than recoding into the same variable, a new variable was created to accommodate the combining of Asian offenders and American Indian offenders into the others category. The new variable was Race New (RACENEW), with categories for black, white, bi-racial, and “others”. Combining Asian offenders and American Indian offenders into another category helped to maintain multivariate normality (see below).

Hispanic origin. Flores, Travis, and Latessa (2003) also collected data on ethnicity; specifically, if the offender was of Hispanic descent or not. This included three categories for No, Yes, and unknown/missing. Neither the original publication, nor the code book, state how ethnicity was determined.

Child service history. Flores, Travis, and Latessa (2003) also collected data on child service history. Neither the original study, or the codebook available from ICPSR, specifically state the exact nature of involvement with child service agencies, or indeed, which service agencies were involved, or how this was determined.

Gang involvement. Flores, Travis, and Latessa (2003) gathered data on gang involvement as a three-category variable of No, Yes, and Unknown. Neither the publication, or the code book, state how gang involvement was determined outside of the file review; if it is past, or current involvement; if it referred to institutional, or community based gangs; if it was a street gang, organized crime, or outlaw motorcycle gang; the name of the gang; or the level of involvement with the gang. Also, the data provided in Flores, Travis, and Latessa (2003) do not state how gangs are defined. As it is, there is an Ohio state definition, as well as the federal definition (provided above) used by federal law enforcement agencies. As crime statistics were drawn from the FBI's databases, this study will use the federal definition of a gang.

Offence type new. Flores, Travis, and Latessa (2003) included six categories for offence types that included, Technical Violations, Status Offences, Drug Offences, Property Offences, Violent Offences, and unknown/missing. Four different variables were coded for different offences, such as "current offence" and "offence", both of which lacked value labels, leaving "offence level" and "offence type". The latter of the two was chosen due to the inclusive nature of the variable, and the descriptiveness of the value labels. Due to the small number of technical violations in the original data (N = 16), they were combined with status offences to create a new category for "minor offences". Rather than recoding into the same variable in SPSS, offence type was coded into a new variable to accommodate the new category for minor offences; now called Offence Type New (OFFTYPENEW), with categories for minor offences, drug crimes, property crimes, and violent crimes. Combining technical violations with status offences also helped maintain multivariate normality (see below).

Analyses. Results presented in this study begin with a descriptive analysis, including sample characteristics, as well as means and standard deviations for the total sample, and for each group of each independent variable. Descriptive statistics are presented in both untransformed and transformed tables. The rationale for this is that untransformed data may be of greater interest for professionals that work directly with youth offenders and the YLS/CMI; while academics may be more interested in the transformed data used in inferential statistics.

Descriptive Analysis. Characteristics are displayed for the whole sample, and each sub-group of each independent variable (e.g. gender: male, female), including the means, standard deviations, and median scores for each of the eight subscales of the Y-LSI, and its total score. Tables are presented with the highest and lowest observed values from the ten imputations.

Data Screening. Several statistical assumptions for both bivariate and multivariate statistics needed to be assessed for the validity of ANOVA and MANOVA to be assured. This includes: out of range values, absence of univariate outliers; evaluation of missing data; tests of linearity, and homogeneity of variance; univariate normality and multivariate normality; absence of multivariate outliers, and absence of multicollinearity and singularity. Where violations occurred, strategies were implemented to eliminate them or decrease their impact.

Inferential Statistics. The first analysis conducted was an Analysis of Variance (ANOVA), without interactions, using the YLS/CMI Total score as the dependent variable. The second analysis in the study was a Multivariate Analysis of Variance (MANOVA) on the composite of the central eight risk factors (SC1-8), without interactions.

Analysis of variance. The ANOVA was considered significant at $p < .025$, rather than at $p < .05$ to help control for the influence of the violation of assumptions. Effect sizes were calculated using η^2 (partial eta squared), which is the squared point biserial correlation between the dependent variable and the independent variable. This assesses the proportion of the variance in the dependent variable that is attributable to the effect while controlling for all other independent variables (Tabachnick & Fidell, 2007). Effect size can vary from 0 to 1, with .01 indicating a small effect size, .09 indicating a medium effect size, and .25 indicating a large effect size (Tabachnick & Fidell, 2007).

Multivariate analysis of variance. The MANOVA was considered significant at $p < .025$, rather than $p < .05$ to help counter the influence of violations of assumptions. To test for significance, the study used Pillai's Trace Criterion because of unequal sample sizes, combined with violations of homogeneity of variance-covariance matrices, as it is more robust in these situations. Effect sizes are reported using η^2 (partial eta squared), which is an alternative form of the original η^2 . While

η^2 provides the proportion of the total variability attributed to an effect, the partial η^2 provides the proportion for each (multiple) effect while removing the influence of other independent variables (Tabachnick & Fidell, 2007).

Roy-Bargman stepdown analysis. Pooled within-cell correlations are assessed via SPSS syntax formulae. Many correlations were above .30, which indicates that Roy-Bargman Stepdown analysis should be used to determine which subcomponents scores are contributing to the mean differences in the composite score.

The current study ran multiple tests (8 in total), which can risk increases in Type I error. To combat this potential problem, a Bonferroni type adjustment is made using the following formula (Tabachnick & Fidell, 2007, p. 270): $\alpha = \alpha_{fw}/p$. Where α_{fw} = the family-wise error rate (.025), and p = the number of tests (8):

$$\alpha = .025/8 = .003 \text{ (Bonferroni Correction)}$$

Post-hoc testing. For post-hoc testing in the bivariate ANOVA, Tukey's Honest Significant Differences (Tukey-HSD) test was used to determine the significance of mean differences for independent variables with more than two levels (i.e. race, offence type). Tukey-HSD was selected for use with the ANOVA because it allows for comparisons of all possible means (Tabachnick & Fidell, 2007).

While Tukey-HSD is used for post-hoc tests with the bivariate ANOVA, the Scheffe Test was used in the MANOVA procedure to measure bivariate mean differences in significant independent variables with more than two levels. In the MANOVA, the Scheffe test is used instead of Tukey-HSD because the Scheffe test is the most conservative and most flexible test, with no limit to the number of comparisons or complexity of the test (Tabachnick & Fidell, 2007). Only dependent

variables found to be significant in Roy-Bargman Stepdown analysis were included in the Scheffe test, with bivariate differences reported based on adjusted means.

The SPSS General Linear Model does not allow for post-hoc comparisons using the Scheffe test of the adjusted marginal means. While Bonferroni corrections do allow for comparisons of the adjusted marginal means via the General Linear Model function in SPSS, it is insufficient with this study due to the unequal sample sizes in each cell, leaving the Scheffe test as the superior option for post-hoc tests in multivariate analysis (Tabachnick & Fidell, 2007).

Because the Scheffe test cannot be calculated for adjusted means via the GLM in SPSS, results were calculated by hand based on the pooled adjusted marginal means. The following formula was used in calculating the Scheffe test using the adjusted marginal means (Tabachnick & Fidell, 2007):

$$\sqrt{(k - 1) f - value * MSE (1/n_i + 1/n_j)}$$

Where k = the degrees of freedom – 1; f-value = the obtained f-value from ANCOVA; MSE = Mean Square Error; ni = sample of comparison group 1; and nj = sample of comparison group 2. For complete calculations of the Scheffe Test, including comparisons drawn from adjusted marginal means, please refer to Appendix V.

Interpretation of the Scheffe test compares the absolute value of the mean difference (i-j) to the Scheffe test value. If the Scheffe test value is lower than the absolute value of the mean difference, then the Scheffe test is significant. Each table presents significant findings for the lowest and highest values across imputations.

Chapter 4: Findings

The reader needs to be informed of the presentation of research findings in this chapter. Descriptive statistics are presented in both untransformed and transformed variations, including

the lowest and highest values for each group of each independent variable across imputations. Inferential statistics were conducted only using transformed data and are presented with the highest and lowest values across imputations. The rationale for presenting the findings this way is that there is a significant amount of data tabulated throughout the analysis, and by providing the lowest and highest values to the reader throughout the text, the reader is informed of both extremes (low and high) in each step of the analysis without losing continuity. Complete results for each imputation of each step of the analysis can be found throughout the appropriate appendices.

The findings of the current study begin with thorough data screening for out-of-range values, followed by missing values and the use of multiple imputation. The chapter continues with a descriptive analysis of the sample, including means and standard deviations for the YLS/CMI scoring, and sample characteristics for each of the independent variables.

A thorough analysis of the statistical assumptions was completed prior to conducting inferential statistics. Inferential statistics for ANOVA, and MANOVA with Roy-Bargmann stepdown analysis are also found below.

Data Screening

Data screening included analyzing out-of-range values, and missing data. Multiple imputation as a solution for the missing data is discussed below.

Out-of-Range Values. There were no out-of-range scores identified in the data. Subcomponent scores, and the total scores did not exceed the expected minimum or maximum values; and there were no out-of-range values for any of the independent variables.

Missing Values. While it is generally acceptable to have a small number of missing values scattered at random throughout a large data set; it can have devastating effects if the missing data are not missing at random (Tabachnick & Fidell, 2007). Missing values were assessed via

frequency tables, independent samples T tests, Chi-Square tests, and Little's Missing Completely at Random (MCAR) test. Multiple Imputation was used to estimate the missing data. Missing values were coded as "9 = Unknown" for each of the independent, and dependent variables.

The SPSS "NMiss" function was used to compare cases of missing and non-missing data. NMiss was computed using the the nine dependend variables of SC1 through SC8 and the YLS/CMI Total Score; as well as the six independent variables of gender, race, Hispanic origin, CHS, gang affiliation, and offence type.

Table 4.1 illustrates there were 1120 cases with no missing data, while 559 cases had at least one or more missing values; meanwhile, Table 4.2 illutrates the number of missing values per case.

Table 4.1

Non-Missing and Missing Data

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Non-Missing	1120	66.7	66.7	66.7
	Missing	559	33.3	33.3	100.0
	Total	1679	100.0	100.0	

Table 4.2

Missing Values per Case

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1120	66.7	66.7	66.7
	1	294	17.5	17.5	84.2
	2	89	5.3	5.3	89.5
	3	9	.5	.5	90.1
	5	1	.1	.1	90.1
	8	1	.1	.1	90.2
	9	90	5.4	5.4	95.5
	10	50	3.0	3.0	98.5
	11	23	1.4	1.4	99.9
	12	2	.1	.1	100.0
	Total	1679	100.0	100.0	

Independent samples t-tests. The first step is to conduct an independent samples T tests to determine if means are equal when comparing cases of non-missing, and missing data. Results of the independent samples T test can be found in Appendix A1. Results indicate that the Levene's test was insignificant for every dependent variable, except for SC6 (Leisure/Recreation). Therefore, conventional pooled variance t-tests were run for all variables except for SC6 in which a separate variance t-test was run (Appendix A2).

Results from Appendix A2 reveal that there are no significant differences between the non-missing group and the missing group for SC2, SC3, SC4, and SC6. However, significant differences were found for SC1 ($t = 3.148$, $DF = 1510$, $p < .002$), SC5 ($t = 2.976$, $DF = 1510$, $p < .003$), SC7 ($t = 2.076$, $DF = 1509$, $p < .038$), and the YLS/CMI Total Score ($t = 2.473$, $DF = 1512$, $p < .014$) when comparing non-missing and missing groups.

Chi-square tests. Chi-square tests for categorical independent variables were conducted to measure proportional differences between missing and non-missing groups. Overall, proportional differences were found for multi-level variables, but not for dichotomous variables in the sample.

Results in Appendix A3 indicate a non-significant result for gender. A significant result was indicated for the race variable (Appendix A4), where chi-square was significant ($\chi^2 = 16.408$, $DF = 5$, $p < .006$), indicating that there was a significant proportional difference in race between missing and non-missing groups. Hispanic origin (Appendix A5) produced an insignificant Chi-square ($\chi^2 = .065$, $DF = 1$, $p < .799$). Results for CHS (Appendix A6), indicate an insignificant chi-square ($\chi^2 = .060$, $DF = 1$, $p < .807$). Gang affiliation (Appendix A7) also produced results indicating a non-significant chi-square ($\chi^2 = .176$, $DF = 1$, $p < .675$). Results for offence type (Appendix A8) demonstrated a significant result, indicating significant proportional differences between missing and non-missing groups according to the chi-square ($\chi^2 = 105.677$, $DF = 4$, $p < .000$).

Little's MCAR. Results indicate that Little's MCAR (Appendix A9) was insignificant ($\chi^2 = 40.439$, $DF = 42$, $p < .544$), indicating that the variables in the study are missing at random.

Conclusion of missing values. Given the findings of the independent samples T test, chi-square analyses, and Little's MCAR test, it can be determined that the variables in the sample are missing at random (MAR), and not missing completely at random (MCAR). Furthermore, given the significant results for some of the variables via T-Tests and Chi-Square, missingness appears conditional upon SC1, SC5, SC7, the YLS/CMI Total Score, race, and offence type.

Multiple Imputation. To address the missing data, SPSS Multiple Imputation was employed. First, a random number generator was used to select a random start to initiate multiple imputation (IBM – Missing Values 24, retrieved on February 24, 2018). Second, all dependent, and independent variables were selected for Imputation, with Imputations and MCMC Iterations both set to a maximum of 10. Data were saved to a separate file labeled as “Imputed Data Set”. The dependent variables were imputed using a linear regression model, while the categorical independent variables were imputed using a logistic regression model. The complete Imputation Model is available in Appendix A11.

Descriptive Analysis

Means and standard deviations for age, and YLS/CMI subscale and total scores were calculated. These are provided for gender, race, Hispanic origin, child service history, gang affiliation, and offence type. Results of the descriptive statistics for the total sample, and each group are provided below. Each section contains a custom table that displays the lowest and highest values across imputations extracted from their respective imputations. Descriptive statistics are presented in two forms: 1) the untransformed version that may be of more interest to professionals working with the LS scales; and 2) natural logarithm transformations later used for inferential statistics.

The results for descriptive statistics discussed in this section are done in the context of untransformed data as it provides a much clearer picture in terms of the full range of scores, how each subcomponent contributes to the total score, and how the total score falls within the corresponding ordinal risk levels. Untransformed scale scores can be found throughout Appendix B1 to Appendix B17; while scale scores for transformed data can be found throughout Appendix C1 to Appendix C17.

Overall, most groups within the total sample do not differ drastically from the complete sample in that they fall within the moderate-risk category. While some groups demonstrate higher or lower scores than the complete sample, only a few groups truly stand out as being systematically higher or lower risk than the complete sample.

Age. Descriptive statistics for age at initial assessment (Age 1) are available in Table 4.3. Age 1 had a minimum age of 9, with a maximum age of 20, and the mean age being 15.43 years (SD = 1.518). Although there were nine missing cases for age, it was not included in multiple imputation (see below), as it is only used for descriptive purposes, and not for inferential statistics. As multiple imputation was not used on age, these statistics are the same as reported by Flores, Travis and Latessa (2003).

Table 4.3

Descriptive Statistics for Age

	N	Min.	Max.	Mean	Std. Deviation
Age of offender at initial assessment	1670	9	20	15.43	1.518

Scale Scores. The complete results for the mean, median, standard deviation, range, and minimum/maximum scores for the YLS/CMI subscales and total score can be found in Appendix B1; while the lowest and highest values from across imputations are available below in Table 4.4. The range of scores fall within the parameters outlined in the YLS/CMI, demonstrating the full

range of scores across all variables from absolute zero all the way to their respective top values.

What can be understood from the mean values is that the total sample falls within the moderate-risk category (9-22); and each of the subcomponent mean scores stay within the moderate category, making them congruent with the observed mean for the YLS/CMI Total. There is also evidence to suggest both positive and negative skewness in the data. Most of the median values also stay within the moderate risk category, with some appearing above or below the mean, which indicates some positive and negative skewness in the data; with a similar trend observed with the mode.

The Natural Logarithm transformations (Appendix C1) have brought the values for each of the subcomponents much closer to each other compared to the untransformed data, and in many cases, it has brought the mean and median much closer together for each subcomponent. See Table 4.5. It is an unfortunate but necessary step for inferential statistics, as results from the transformed scores will not be able to tell us where along the risk level each subcomponent lands.

Table 4.4

Descriptive Statistics for total sample (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	1	2.22	2.03	4	5	1.527
SC2	2	2.80	3.00	3	6	1.593
SC3	2	3.05	3.00	3	7	1.853
SC4	1	2.42	2.00	2	4	1.119
SC5	3	2.42	2.95	0	5	1.817
SC6_Trans	3	.0976	.00	.00	2	.3070
SC7	1	3.25	3.00	5	7	1.891
SC8	2	1.78	1.66	1	5	1.377
Y-LSI Total	2	19.59	20.00	23	40	7.722
<u>Highest Scores</u>						
SC1	7	2.25	2.37	4	5	1.525
SC2	3	2.85	3.00	3	6	1.589
SC3	4	3.10	3.00	3	7	1.854
SC4	9	2.44	2.00	2	4	1.109
SC5	2	2.45	3.00	0	5	1.817
SC6_Trans	9	.1033	.00	.00	2	.3158
SC7	9	3.27	3.00	5	7	1.886
SC8	1	1.81	1.90	1	5	1.388
Y-LSI Total	4	19.70	20.00	23	40	7.711

Table 4.5

Descriptive Statistics for total sample (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	1	1.02	1.10	1.61	1.79	.5927
SC2_Recode	2	1.22	1.38	1.39	1.95	.5091
SC3_Recode	2	1.25	1.38	1.39	2.08	.5799
SC4_Recode	1	1.16	1.09	1.10	1.61	.3902
SC5_Recode	3	1.04	1.38	0	1.79	.66597
SC6_Recode	3	.0976	.00	.00	1.39	.3070
SC7_Recode	1	1.31	1.38	1.79	2.08	1.891
SC8_Recode	2	1.78	1.66	1	1.79	1.377
Y-LSI Total	2	19.59	20.00	23	40	7.722
<u>Highest Scores</u>						
SC1_Recode	7	1.02	1.21	1.61	1.79	.5930
SC2_Recode	3	1.23	1.38	.139	1.95	.5061
SC3_Recode	4	1.27	1.38	1.39	2.08	.5779
SC4_Recode	9	1.17	1.09	1.10	1.61	.3865
SC5_Recode	2	1.04	1.38	0	1.79	.6663
SC6_Recode	9	.1033	.00	.00	1.39	.3158
SC7_Recode	9	1.32	1.38	1.79	2.08	1.886
SC8_Recode	1	1.81	1.90	1	1.79	1.388
Y-LSI Total	4	19.70	20.00	23	40	7.711

Gender. Results for descriptive statistics for the sample for gender can be found in Appendix D1. As there was no missing data for gender, the results remain the same as stated earlier. See Table 4.6 below. Male offenders (N = 1321) comprise 78.7% of the sample, while female offenders (N = 358) comprise 21.3% of the sample. This sample is close to being representative of the national offender population for gender (FBI, 2015, Table 42b). While female youth offenders may comprise 26% of youth offenders in the national population, this sample is close at 21.3%.

Table 4.6

Descriptive statistics for Gender

		N	Percent
Valid	Male	1321	78.7
	Female	358	21.3
	Total	1679	100.0

Males. Complete results for descriptive statistics regarding male offenders and YLS/CMI subscales and total score can be found in Appendix B2. Provided below in Table(s) 4.7 and 4.8 are the mean, median, and standard deviation for the lowest and highest imputation scores for each of the YLS/CMI subcomponent scales, and YLS/CMI Total for male offenders. What can be discerned from this table is that the means of the YLS/CMI subcomponents and Total score for male offenders closely mirrors that of the total sample, with minor deviations (higher or lower) for mean scores, depending on the scale. What can also be learned is that subcomponents 1, 2, 5, and the YLS/CMI total score means are less than the median value, which is indicative of negatively skewed data for these variables. The remaining means for the other subcomponents are above their respective median scores.

Table 4.7

Descriptive statistics for male offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	1	2.28	2.4	4	5	1.539
SC2	2	2.67	3.0	3	6	1.555
SC3	2	3.08	3.0	4	7	1.901
SC4	3	2.41	2.0	2	4	1.130
SC5	3	2.42	3.0	3	5	1.825
SC6_Recode	2	.1035	.00	0	2	.3194
SC7	1	3.11	3.0	2	7	1.919
SC8	2	1.74	1.16	1	5	1.387
Y-LSI Total	2	19.26	19.66	24	40	7.808
<u>Highest Scores</u>						
SC1	7	2.31	2.67	4	5	1.545
SC2	3	2.73	3.0	3	6	1.565
SC3	4	3.13	3.0	4	7	1.898
SC4	9	2.11	2.0	2	4	1.119
SC5	8	2.46	3.0	3	5	1.823
SC6_Recode	8	.1115	.00	0	2	.3275
SC7	4	3.13	3.0	2	7	1.906
SC8	1	1.78	1.32	1	5	1.405
Y-LSI Total	4	19.38	20.0	24	40	7.806

Table 4.8

Descriptive statistics for male offenders (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	1	1.04	1.22	1.61	1.79	.5901
SC2_Recode	2	1.18	1.38	1.39	1.95	.5118
SC3_Recode	2	1.25	1.38	1.61	2.08	.5955
SC4_Recode	3	1.15	1.09	1.10	1.61	.3983
SC5_Recode	3	1.03	1.38	0	1.79	.6730
SC6_Recode	2	.0879	0	0	1.39	.2659
SC7_Recode	1	1.27	1.38	1.10	2.08	.5720
SC8_Recode	2	.8749	.7708	.69	1.79	.5323
Y-LSI Total	2	19.26	19.66	24	40	7.808
<u>Highest Scores</u>						
SC1_Recode	7	1.04	1.299	1.61	1.79	.5907
SC2_Recode	3	1.20	1.38	1.39	1.95	.5900
SC3_Recode	4	1.27	1.38	1.61	2.08	.5929
SC4_Recode	9	1.16	1.09	1.10	1.61	.3947
SC5_Recode	8	1.04	1.38	0	1.79	.6724
SC6_Recode	8	.0942	0	0	1.39	.2721
SC7_Recode	4	1.28	1.38	1.10	2.08	.5689
SC8_Recode	1	.8853	.8406	.69	1.79	.5364
Y-LSI Total	4	19.38	20.0	24	40	7.806

Females. Complete results for descriptive statistics regarding female offenders and YLS/CMI scoring can be found in Appendix B3. Provided below in Table(s) 4.9 and 4.10 are the mean, median, and standard deviation for the lowest and highest imputation scores for each of the YLS/CMI scales for female offenders. Compared to the total sample, female offenders have lower mean scores for SC1, SC3, and SC5, but higher mean scores for SC2, SC7, and SC8. For female offenders the mean values for subcomponents 1, 3, 7, 8, and the YLS/CMI total means fall slightly below the median values, suggesting negatively skewed data for these values. The remaining mean values remain slightly above their respective median scores.

Table 4.9

Descriptive statistics for female offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	8	1.99	2.0	3	5	1.467
SC2	4	3.25	3.0	3	6	1.618
SC3	8	2.88	3.0	3	7	1.644
SC4	2	2.42	2.0	2	4	1.072
SC5	3	2.39	2.21	0	5	1.790
SC6_Trans	7	.0679	.00	0	2	.2526
SC7	7	3.74	4.0	5	7	1.678
SC8	5	1.89	2.0	1	5	1.320
Y-LSI Total	8	20.71	21.40	23	34	7.281
<u>Highest Scores</u>						
SC1	9	2.02	2.0	3	5	1.483
SC2	3	3.29	3.0	3	6	1.602
SC3	5	2.99	3.0	3	7	1.642
SC4	7	2.46	2.0	2	4	1.075
SC5	10	2.44	2.72	0	5	1.794
SC6_Trans	2	.0815	.00	0	2	.2773
SC7	4	3.82	4.0	5	7	1.702
SC8	6	1.98	2.0	1	5	1.329
Y-LSI Total	7	20.91	22.0	23	35	7.242

Table 4.10

Descriptive statistics for female offenders (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	8	.9385	1.09	1.39	1.79	.5988
SC2_Recode	4	1.34	1.38	1.39	1.95	.4882
SC3_Recode	8	1.24	1.38	1.39	2.08	.5177
SC4_Recode	2	1.17	1.09	1.10	1.61	.3540
SC5_Recode	3	1.04	1.16	0	1.79	.6456
SC6_Recode	7	.0558	0	0	1.39	.2006
SC7_Recode	7	1.46	1.60	1.79	2.08	.4620
SC8_Recode	5	.9425	1.09	.69	1.79	.5086
Y-LSI Total	8	20.71	21.40	23	34	7.281
<u>Highest Scores</u>						
SC1_Recode	9	.9470	1.09	1.39	1.79	.6033
SC2_Recode	3	1.36	1.38	1.39	1.95	.4773
SC3_Recode	5	1.27	1.38	1.39	2.08	.5117
SC4_Recode	7	1.18	1.09	1.10	1.61	.3538
SC5_Recode	10	1.05	1.31	0	1.79	.6493
SC6_Recode	2	.0662	0	0	1.39	.2205
SC7_Recode	4	1.48	1.60	1.79	2.08	.4645
SC8_Recode	6	.9753	1.09	.69	1.79	.5066
Y-LSI Total	7	20.91	22.0	23	35	7.242

Race. Complete results for the racial breakdown of offenders can be found in Appendix D2. Table 4.11 provides a summary of the smallest and largest estimates for each of the four racial groups. White offenders (N = 1167-1171) represent the largest subgroup of offenders at around 69% of the total sample. Black offenders (N = 455-456) represent the second largest subgroup of offenders at around 27% of the total sample. bi-racial offenders (N = 22-23) represent roughly 1.4% of the total sample, while “Other” (N = 30-39) race offenders represent 1.5% of the sample.

Table 4.11

Descriptive Statistics for Race

Group	Imputation	Lowest		Highest		
		N	Percentage	Imputation	N	Percentage
Black	1	455	27.1	2	456	27.2
White	2	1167	69.5	3	1171	69.7
Bi-Racial	1	22	1.3	4	23	1.4
Other	1	30	1.5	2	39	1.5

Blacks. Complete results for descriptive statistics regarding YLS/CMI scoring for black offenders can be found in Appendix B4. Below in Table(s) 4.12 and 4.13 are the mean, median, and standard deviations for the lowest and highest imputation scores for black offenders on the YLS/CMI subcomponents and the total score. Black offenders differ from the total sample in that they appear to have higher mean scores for SC1, SC3, SC4, and SC5. Regardless of these differences, the mean scores for black offenders, overall, are in line with the rest of the sample in terms of being moderate risk. Subcomponents 1, 2, 5, and the YLS/CMI total means fall below the median value, suggesting negatively skewed data for these variables.

Table 4.12

Descriptive statistics for black offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	2	2.67	3.0	4	5	1.361
SC2	10	2.85	3.0	3	6	1.412
SC3	9	3.31	3.0	4	7	1.725
SC4	5	2.60	2.00	2	4	1.082
SC5	9	2.74	3.00	4	5	1.696
SC6_Trans	3	.0584	.00	0	2	.2647
SC7	9	3.21	3.00	2	7	1.939
SC8	10	1.64	1.00	1	5	1.263
Y-LSI Total	9	20.74	21.00	23	38	6.808
<u>Highest Scores</u>						
SC1	7	2.69	3.00	4	5	1.359
SC2	3	2.88	3.00	3	6	1.415
SC3	3	3.34	3.00	4	7	1.730
SC4	1	2.62	2.00	2	4	1.079
SC5	2	2.76	3.00	4	5	1.690
SC6_Trans	8	.0662	.00	0	2	.2759
SC7	1	3.24	3.00	2	7	1.942
SC8	9	1.66	1.00	1	5	1.271
Y-LSI Total	3	20.85	21.00	23	38	6.830

Table 4.13

Descriptive statistics for black offenders (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	2	1.20	1.38	1.61	1.79	.4960
SC2_Recode	10	1.26	1.38	1.39	1.95	.4453
SC3_Recode	9	1.35	1.38	1.61	2.08	.5005
SC4_Recode	5	1.22	1.09	1.10	1.61	.3471
SC5_Recode	9	1.16	1.38	1.61	1.79	.6198
SC6_Recode	3	.0584	0	0	1.39	.2347
SC7_Recode	9	1.30	1.38	1.10	2.08	.5726
SC8_Recode	10	.8542	.6931	.69	1.79	.4949
Y-LSI Total	9	20.74	21.00	23	38	6.808
<u>Highest Scores</u>						
SC1_Recode	7	1.20	1.38	1.61	1.79	.4949
SC2_Recode	3	1.27	1.38	1.39	1.95	.4433
SC3_Recode	3	1.36	1.38	1.61	2.08	.5000
SC4_Recode	1	1.23	1.09	1.10	1.61	.3460
SC5_Recode	2	1.17	1.38	1.61	1.79	.6201
SC6_Recode	8	.0594	0	0	1.39	.2420
SC7_Recode	1	1.30	1.38	1.10	2.08	.5729
SC8_Recode	9	.8593	.6931	.69	1.79	.4964
Y-LSI Total	3	20.85	21.00	23	38	6.830

Whites. Complete results for white offenders on the YLS/CMI subscales and Total score can be found in Appendix B5. Table(s) 4.14 and 4.15 contain the mean, median, and standard deviations for the lowest and highest imputation scores for white offenders on the YLS/CMI subcomponents and YLS/CMI total scores. What can be observed from the mean values for white offenders, compared to the total sample, is that they have lower mean scores for SC1, SC2, SC3, SC4, SC5, and the YLS/CMI Total score. SC2, SC3, and SC8 all had lower mean scores than their respective median, suggesting that the data are negatively skewed.

Table 4.14

Descriptive statistics for white offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	6	2.01	2.00	0	5	1.555
SC2	2	2.77	3.00	3	6	1.659
SC3	2	2.92	3.00	3	7	1.885
SC4	1	2.34	2.00	2	4	1.133
SC5	6	2.27	2.00	0	5	1.842
SC6_Recode	3	.1150	.00	0	2	.3240
SC7	10	3.25	3.00	0	7	1.877
SC8	2	1.83	2.00	5	5	1.411
Y-LSI Total	2	19.00	19.58	24	40	8.053
<u>Highest Scores</u>						
SC1	7	2.04	2.00	0	5	1.554
SC2	3	2.83	3.00	3	6	1.656
SC3	4	3.00	3.00	3	7	1.888
SC4	9	2.37	2.00	2	4	1.122
SC5	1	2.31	2.00	0	5	1.845
SC6_Recode	9	.1216	.00	0	2	.3338
SC7	4	3.29	3.00	0	7	1.868
SC8	1	1.86	2.00	5	5	1.427
Y-LSI Total	7	2.04	2.00	0	5	1.554

Table 4.15

Descriptive statistics for white offenders (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	6	.9366	1.09	0	1.79	.6149
SC2_Recode	2	1.20	1.38	1.39	1.95	.5334
SC3_Recode	2	1.21	1.38	1.39	2.08	.6027
SC4_Recode	1	1.13	1.09	1.10	1.61	.4066

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
SC5_Recode	6	.9848	1.09	0	1.79	.6768
SC6_Recode	3	.1150	.00	0	1.39	.3240
SC7_Recode	10	3.25	3.00	1.79	2.08	1.877
SC8_Recode	2	1.83	2.00	.69	1.79	1.411
Y-LSI Total	2	19.00	19.58	24	40	8.053
<u>Highest Scores</u>						
SC1_Recode	7	.9478	1.09	0	1.79	.6150
SC2_Recode	3	1.22	1.38	1.39	1.95	.6138
SC3_Recode	4	1.23	1.38	1.39	2.08	.6016
SC4_Recode	9	1.14	1.09	1.10	1.61	.4025
SC5_Recode	1	.9946	1.09	0	1.79	.6786
SC6_Recode	9	.1216	.00	0	1.39	.3338
SC7_Recode	4	3.29	3.00	1.79	2.08	1.868
SC8_Recode	1	1.86	2.00	.69	1.79	1.427
Y-LSI Total	4	19.17	20.00	24	40	8.044

Bi-racial. Complete results for bi-racial offenders and the Y-LSI subscales on Total score can be found in Appendix B6. Table(s) 4.16 and 4.17 contain the mean, median, and standard deviations for the lowest and highest imputation scores for bi-racial offenders and the Y-LSI subcomponents and Y-LSI total score. From the descriptive data on mean scores for bi-racial offenders, it is observed that they have higher mean scores for SC1, SC3, SC4, SC5, SC7, and the Y-LSI Total score compared to the mean scores of the total sample.

Table 4.16

Descriptive Statistics for Bi-Racial Offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	8	3.02	3.00	3	5	1.083
SC2	9	2.76	3.00	4	6	1.620
SC3	7	3.25	3.00	3	6	1.923
SC4	7	2.62	2.00	2	3	1.098
SC5	6	2.85	3.00	3	5	1.871
SC6_Trans	5	.0457	.00	0	1	.2131
SC7	1	3.43	3.50	5	7	1.981
SC8	10	1.79	2.00	2	5	1.089
Y-LSI Total	9	22.02	21.50	17	28	6.492
<u>Highest Scores</u>						
SC1	9	3.16	3.00	3	5	1.066
SC2	2	2.98	3.00	4	6	1.661
SC3	8	3.48	3.00	3	6	2.053
SC4	4	2.77	3.00	2	3	1.103

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
SC5	7	3.05	3.08	3	5	1.821
SC6_Trans	4	.0987	.00	0	1	.2899
SC7	8	3.58	4.00	5	7	2.025
SC8	2	1.95	2.00	2	5	1.164
Y-LSI Total	8	22.73	22.00	17	28	7.022

Table 4.17

Descriptive Statistics for Bi-Racial Offenders (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	8	1.33	1.38	1.39	1.79	.3688
SC2_Recode	9	1.21	1.38	1.61	1.95	.4976
SC3_Recode	7	1.31	1.38	1.39	1.95	.5636
SC4_Recode	7	1.24	1.09	1.10	.92	.3200
SC5_Recode	6	1.17	1.38	1.39	1.79	.6699
SC6_Recode	5	.05	0	0	1.10	.2341
SC7_Recode	1	1.36	1.49	1.79	2.08	.5401
SC8_Recode	10	.95	1.09	1.10	1.79	.3769
Y-LSI Total	9	22.02	21.5	17	28	6.492
<u>Highest Scores</u>						
SC1_Recode	9	1.37	1.38	1.39	1.79	.3612
SC2_Recode	2	1.28	1.38	1.61	1.95	.3547
SC3_Recode	8	1.36	1.38	1.39	2.02	.5905
SC4_Recode	4	1.25	1.33	1.10	.92	.3106
SC5_Recode	7	1.24	1.40	1.79	1.79	.6533
SC6_Recode	4	.09	0	0	1.10	.2778
SC7_Recode	8	1.39	1.60	1.79	2.08	.5509
SC8_Recode	2	1.00	1.09	1.10	1.79	.3929
Y-LSI Total	8	22.73	22.00	17	28	7.022

“Other” race. Complete results for “other” race offenders for the YLS/CMI subscales on Total score can be found in Appendix B7. Table(s) 4.18 and 4.19 contain the mean, median, and standard deviations for the lowest and highest imputation scores for “other” race offenders on the YLS/CMI subcomponents and YLS/CMI total score. Compared to the mean scores of the total sample, “other” racial offenders have slightly higher mean scores for SC1 (Prior and Current Offences/Dispositions), SC2 (Family Circumstances/Parenting), SC3 (Education/Employment), and slightly higher means for the YLS/CMI Totals score. Given that SC1, SC5, SC8, and the YLS/CMI Total fall below their median values, it appears that these variables are negatively skewed.

Table 4.18

Descriptive Statistics for “Other” Offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	5	2.66	3.00	4	4	1.416
SC2	7	3.13	3	3	6	1.470
SC3	8	3.18	3	3	6	1.865
SC4	5	2.34	2	2	4	.788
SC5	3	2.94	4	4	5	1.806
SC6_Trans	10	.0606	0	0	2	.3481
SC7	7	3.19	4	1	6	1.865
SC8	6	1.88	2	2	5	1.515
Y-LSI Total	7	21.58	22	19	26	5.698
<u>Highest Scores</u>						
SC1	2	2.79	3	4	5	1.463
SC2	8	3.28	3	3	6	1.503
SC3	2	3.35	3	3	6	1.869
SC4	3	2.39	2	2	4	1.806
SC5	8	3.14	4	4	5	1.797
SC6_Trans	1	.0938	0	0	2	.3901
SC7	10	3.36	4	1	5	1.747
SC8	5	2.06	2	2	5	1.518
Y-LSI Total	8	22.05	23	19	26	5.654

Table 4.19

Descriptive Statistics for “Other” Offenders (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	5	1.19	1.38	1.61	1.61	.5282
SC2_Recode	7	1.33	1.38	1.39	1.95	.4554
SC3_Recode	8	1.29	1.38	1.39	1.95	.5882
SC4_Recode	5	1.17	1.09	1.10	1.61	.2845
SC5_Recode	3	1.20	1.60	1.61	1.79	.6614
SC6_Recode	10	.0303	.00	.00	1.10	.1912
SC7_Recode	7	1.31	1.60	.69	1.71	.5113
SC8_Recode	6	1.35	1.60	.69	1.25	.4681
Y-LSI Total	7	21.58	22	19	26	5.698
<u>Highest Scores</u>						
SC1_Recode	2	1.22	1.38	1.61	1.75	.5385
SC2_Recode	8	1.37	1.38	1.39	1.95	.4554
SC3_Recode	2	1.34	1.38	1.39	1.95	.5609
SC4_Recode	3	1.18	1.09	1.10	1.61	.2927
SC5_Recode	8	1.26	1.60	1.61	1.79	.6454
SC6_Recode	1	.0765	.00	.00	1.10	.2520
SC7_Recode	10	1.37	1.60	.69	1.25	.4601
SC8_Recode	5	.9942	1.09	1.10	1.79	.5217
Y-LSI Total	8	22.05	23	19	26	5.654

Hispanic Origin. Complete results for the characteristics of Hispanic offenders can be found in Appendix D3. Table 4.20 contains the smallest and largest sample sizes for Hispanic origin. Most offenders were not of Hispanic origin (N = 1631-1633), composing just over 97% of the sample; leaving Hispanic offenders (N = 46-48) at just under 3%. This is not very representative of the offender population in the United States where just over 17% of offenders are of Hispanic origin (FBI, 2016, Table 43b).

Table 4.20

Descriptive Statistics for Hispanic origin

Group	Imputation	Lowest		Imputation	Highest	
		N	Percentage		N	Percentage
Non-Hispanic	2	1631	97.1	3	1633	97.3
Hispanic	3	46	2.7	2	48	2.9

Non-Hispanic offenders. Complete results for Non-Hispanic offenders on the YLS/CMI subscales and Total score can be found in Appendix B8. Table(s) 4.21 and 4.22 contain the mean, median, and standard deviations for the lowest and highest imputation scores for non-Hispanic offenders on the YLS/CMI subcomponents and the total score. Non-Hispanic offenders closely mirror the mean values for the complete sample in every subscale and total risk score, and especially so when imputation levels are matched. It should be noted that the mean score for SC1, SC2, SC5, and the YLS/CMI Total score all fall below their median values, which would suggest a slightly negative skew to these data.

Table 4.21

Descriptive Statistics for Non-Hispanic Offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	1	2.21	2.00	4	5	1.531
SC2	2	2.79	3.00	3	6	1.599
SC3	2	3.03	3.00	3	7	1.854
SC4	4	2.41	2.00	2	4	1.119
SC5	3	2.40	2.64	0	5	1.818

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
SC6_Trans	3	.0994	.00	0	2	.3099
SC7	7	3.24	3.00	5	7	1.873
SC8	10	1.78	1.61	1	5	1.382
Y-LSI Total	10	19.52	20.00	23	40	7.806
<u>Highest Scores</u>						
SC1	7	2.23	2.35	4	5	1.529
SC2	3	2.83	3.00	3	6	1.595
SC3	4	3.08	3.00	3	7	1.856
SC4	7	2.43	2.00	2	4	1.120
SC5	1	2.44	3.00	0	5	1.820
SC6_Trans	5	.1037	.00	0	2	.3178
SC7	4	3.27	3.00	5	7	1.888
SC8	1	1.80	1.80	1	5	1.389
Y-LSI Total	4	19.62	20.00	23	40	7.765

Table 4.22

Descriptive Statistics for Non-Hispanic (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	1	1.01	1.09	1.61	1.79	.5952
SC2_Recode	2	1.22	1.38	1.39	1.95	.5122
SC3_Recode	2	1.25	1.38	1.39	2.08	.5808
SC4_Recode	4	1.16	1.09	1.10	1.61	.3913
SC5_Recode	3	1.03	1.29	.00	1.79	.6685
SC6_Recode	3	.08	.00	.00	1.39	.2557
SC7_Recode	7	1.31	1.38	1.79	2.08	.5525
SC8_Recode	10	.8915	.9611	.69	1.79	.5297
Y-LSI Total	10	19.52	20.00	23	40	7.806
<u>Highest Scores</u>						
SC1_Recode	7	1.02	1.20	1.61	1.79	.5953
SC2_Recode	3	1.23	1.38	1.39	1.95	.5090
SC3_Recode	4	1.26	1.38	1.39	2.08	.5794
SC4_Recode	7	1.16	1.09	1.10	1.61	.3903
SC5_Recode	1	1.04	1.38	.00	1.79	.6694
SC6_Recode	5	.0865	.00	.00	1.39	.2608
SC7_Recode	4	1.32	1.38	1.79	2.08	.55645
SC8_Recode	1	.8973	1.02	.69	1.79	.5321
Y-LSI Total	4	19.62	20.00	23	40	7.765

Hispanic offenders. Complete results for Hispanic offenders on the YLS/CMI subscales and Total score can be found in Appendix B9. Table(s) 4.23 and 4.24 contain the mean, median, and standard deviations for the lowest and highest imputation scores for Hispanic offenders on the YLS/CMI subcomponents and YLS/CMI total score. Hispanic offenders had slightly higher mean

scores for every subcomponent and the YLS/CMI Total score when compared with the complete sample, as well as their non-Hispanic counterparts. The mean score of several subcomponents, including SC1, SC3, SC5, SC7, SC8, and the YLS/CMI total fall below their respective median scores, which suggests that the data are negatively skewed.

Table 4.23

Descriptive Statistics for Hispanic Offenders (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	9	2.49	3.00	4	5	1.402
SC2	10	3.21	3.00	3	6	1.299
SC3	5	3.47	4.00	4	6	1.824
SC4	2	2.48	2.00	2	4	1.020
SC5	1	2.88	3.00	4	5	1.662
SC6_Trans	6	.0291	.00	0	1	.1494
SC7	2	3.36	4.00	5	7	1.850
SC8	2	1.82	2.00	1	5	1.397
Y-LSI Total	2	21.96	22.20	25	25	5.071
<u>Highest Scores</u>						
SC1	3	2.66	3.00	4	5	1.323
SC2	8	3.39	3.00	3	6	1.317
SC3	1	3.79	4.00	4	6	1.712
SC4	6	2.63	3.00	2	4	1.004
SC5	3	3.10	3.95	4	5	1.640
SC6_Trans	2	.0795	.00	0	1	.2564
SC7	7	3.57	4.00	5	7	1.832
SC8	7	2.02	2.00	1	5	1.339
Y-LSI Total	3	22.73	23.00	25	25	4.745

Table 4.24

Descriptive Statistics for Hispanic Offenders (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	9	1.14	1.38	1.61	1.79	.5146
SC2_Recode	10	1.38	1.38	1.39	1.95	.3670
SC3_Recode	5	1.37	1.60	1.61	1.95	.5548
SC4_Recode	2	1.19	1.09	1.10	1.61	.3400
SC5_Recode	1	1.22	1.38	1.61	1.79	.5644
SC6_Recode	6	.0306	.00	.00	1.10	.1627
SC7_Recode	2	1.36	1.60	1.79	2.08	.5031
SC8_Recode	2	.9082	1.09	.69	1.79	.5260
Y-LSI Total	2	21.96	22.20	25	25	5.071

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Highest Scores</u>						
SC1_Recode	3	1.20	1.38	1.61	1.79	.4784
SC2_Recode	8	1.42	1.38	1.39	1.95	.3540
SC3_Recode	1	1.47	1.60	1.61	1.95	.5030
SC4_Recode	6	1.24	1.38	1.10	1.61	.2341
SC5_Recode	3	1.28	1.59	1.61	1.79	.5661
SC6_Recode	2	.0678	.00	.00	1.10	.2237
SC7_Recode	7	1.41	1.60	1.79	2.08	.4973
SC8_Recode	7	.9969	1.09	.69	1.79	.4871
Y-LSI Total	3	22.73	23.00	25	25	4.745

Child Service History. Complete results for the characteristics of offenders without a child service history, and those with a history of child service involvement can be found in Appendix D4. Table 4.25 contains the smallest and largest sample sizes for child service history. Offenders without a history of involvement with child services (N = 969-1007) comprised between 57.7-60.0% of the sample, while offenders with a history of child service involvement (N = 672-710) comprised 40.0-42.3% of the sample.

Table 4.25

Descriptive Statistics for Child Service History

Group	Imputation	Lowest		Highest		
		N	Percentage	Imputation	N	Percentage
No CHS	7	969	57.7	9	1007	60.0
CHS	9	672	40.0	7	710	42.3

No child service history. Complete results for offenders with no history of child service involvement on the YLS/CMI subscale and Total scores can be found in Appendix B10. Table(s) 4.26 and 4.27 contain the mean, median, and standard deviation for the lowest and highest imputation scores for offenders without any history of child service involvement on the YLS/CMI subcomponents and the total score. Compared to the complete sample of offenders, those without a history of child service involvement have lower mean scores for every subscale and total score of the YLS/CMI. These scores remain within the same moderate-risk category as the total sample.

Table 4.26

Descriptive Statistics for No CHS (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	8	1.94	2.00	0	5	1.524
SC2	2	2.47	2.05	3	6	1.562
SC3	2	2.87	3.00	2	7	1.851
SC4	1	2.29	2.00	2	4	1.112
SC5	3	2.26	2.00	0	5	1.802
SC6_Trans	4	.0913	.00	0	2	.2950
SC7	2	2.89	3.00	2	7	1.852
SC8	2	1.61	1.00	1	5	1.329
Y-LSI Total	2	17.88	18.00	19	40	7.753
<u>Highest Scores</u>						
SC1	7	1.98	2.00	0	5	1.524
SC2	3	2.54	2.80	3	6	1.569
SC3	9	2.96	3.00	2	7	1.848
SC4	10	2.32	2.00	2	4	1.105
SC5	2	2.31	2.22	0	5	1.814
SC6_Trans	6	.1085	.00	0	2	.3268
SC7	9	2.96	3.00	2	7	1.858
SC8	1	1.68	1.00	1	5	1.355
Y-LSI Total	1	18.11	18.53	19	40	7.850

Table 4.27

Descriptive Statistics for No CHS (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	8	.9161	1.09	.00	1.79	.6064
SC2_Recode	2	1.12	1.11	1.39	1.95	.5304
SC3_Recode	2	1.20	1.38	1.10	2.08	.5977
SC4_Recode	1	1.12	1.09	1.10	1.61	.4031
SC5_Recode	3	.9853	1.09	.00	1.79	.6716
SC6_Recode	4	.0755	.00	.00	1.39	.2373
SC7_Recode	2	1.21	1.38	1.10	2.08	.5804
SC8_Recode	2	.8248	.6931	.69	1.79	.5306
Y-LSI Total	2	17.88	18.00	19	40	7.753
<u>Highest Scores</u>						
SC1_Recode	7	.9290	1.09	.00	1.79	.6041
SC2_Recode	3	1.14	1.33	1.39	1.95	.5285
SC3_Recode	9	1.23	1.38	1.10	2.08	.5892
SC4_Recode	10	1.13	1.09	1.10	1.61	.3985
SC5_Recode	2	1.00	1.17	.00	1.79	.6735
SC6_Recode	6	.0868	.00	.00	1.39	.2547
SC7_Recode	9	1.23	1.38	1.10	2.08	.5778
SC8_Recode	1	.8511	.6931	.69	1.79	.5356
Y-LSI Total	1	18.11	18.53	19	40	7.850

History of child service involvement. Complete results for offenders with a history of child services involvement on the YLS/CMI subscales and Total score can be found in Appendix B11. Table(s) 4.28 and 4.29 contain the mean, median, and standard deviation for the lowest and highest imputation scores for offenders with a history of child service involvement on the YLS/CMI subcomponents and YLS/CMI total scores. Compared to the complete sample of offenders, and those without a history of child service involvement; those with a history of involvement with child services have higher mean scores across all subscales, and the YLS/CMI Total score. While these mean scores for SC2, SC3, SC4, SC6_Trans, SC7, and SC8 remain within the moderate-risk category, the median scores for SC1, SC5, and the total score place these offenders into the high-risk categories for these subscales and total score. These mean scores that are lower than their respective medians are also indicative of negatively skewed data.

Table 4.28

Descriptive Statistics for CHS (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	5	2.59	3.00	4	5	1.448
SC2	2	3.27	3.00	4	6	1.516
SC3	10	3.22	3.00	3	7	1.850
SC4	10	2.58	2.00	2	4	1.103
SC5	2	2.64	3.00	2	4	1.805
SC6_Trans	6	.0900	.00	0	2	.2948
SC7	1	3.72	4.00	5	7	1.849
SC8	10	1.98	2.00	1	5	1.399
Y-LSI Total	10	21.79	22.00	23	40	7.057
<u>Highest Scores</u>						
SC1	9	2.66	3.00	4	5	1.446
SC2	8	3.33	3.00	4	6	1.496
SC3	6	3.32	3.00	3	7	1.835
SC4	9	2.62	2.00	2	4	1.093
SC5	9	2.68	3.00	2	4	1.810
SC6_Trans	9	.1119	.00	0	2	.3314
SC7	6	3.79	4.00	5	7	1.822
SC8	3	2.03	2.00	1	5	1.426
Y-LSI Total	6	22.17	23.00	23	37	6.940

Table 4.29

Descriptive Statistics for CHS (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	5	1.15	1.38	1.61	1.79	.5481
SC2_Recode	2	1.37	1.38	1.61	1.95	.4379
SC3_Recode	10	1.31	1.38	1.39	2.08	.5627
SC4_Recode	10	1.21	1.09	1.10	1.61	.3659
SC5_Recode	2	1.11	1.38	1.61	1.79	.6507
SC6_Recode	6	.0822	.00	.00	1.39	.2664
SC7_Recode	1	1.44	1.60	1.79	2.08	.4994
SC8_Recode	10	.9701	1.09	.69	1.79	.5101
Y-LSI Total	10	21.79	22.00	23	40	7.057
<u>Highest Scores</u>						
SC1_Recode	9	1.17	1.38	1.61	1.79	.5432
SC2_Recode	8	1.38	1.38	1.61	1.95	.4320
SC3_Recode	6	1.34	1.38	1.39	2.08	.5500
SC4_Recode	9	1.23	1.09	1.10	1.61	.3558
SC5_Recode	9	1.12	1.38	1.61	1.79	.6502
SC6_Recode	9	.0976	.00	.00	1.39	.2847
SC7_Recode	6	1.46	1.60	1.79	2.08	.4829
SC8_Recode	3	.9847	1.09	.69	1.79	.5162
Y-LSI Total	6	22.17	23.00	23	37	6.940

Gang Affiliation. Complete results for the characteristics for gang affiliation can be found in Appendix D5. Table 4.30 contains the smallest and largest sample sizes for gang affiliation. Offenders without any gang affiliation (N = 1538-1569) comprised most of the sample at 91.6-93.4%; while those with some form of gang affiliation (N = 110-141) comprised 6.6-8.4% of the total sample.

Table 4.30

Descriptive Statistics for sample Gang Affiliation

Group	Imputation	Lowest		Imputation	Highest	
		N	Percentage		N	Percentage
No Gang Affiliation	9	1538	91.6	1	1569	93.4
Gang Affiliated	1	110	6.6	9	141	8.4

No gang affiliation. Complete results for offenders without any gang affiliation on the YLS/CMI subscale and Total scores can be found in Appendix B12. Table(s) 4.31 and 4.32 contain the mean, median, and standard deviation for the lowest and highest imputation scores for offenders without any gang affiliation on the YLS/CMI subcomponent and YLS/CMI total scores. Compared to the total sample of offenders, those without any gang affiliation had slightly lower mean scores for each subscale and the total score of the YLS/CMI. Although these scores are all slightly lower than the total sample, they still fall within the moderate-risk category. SC2, SC3, and the YLS/CMI Total all have mean scores that are lower than their respective median scores, which indicates negatively skewed data.

Table 4.31

Descriptive Statistics for No Gang Affiliation (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	1	2.17	2.00	4	5	1.536
SC2	2	2.77	3.00	3	6	1.590
SC3	2	2.98	3.00	3	7	1.841
SC4	1	2.39	2.00	2	4	1.122
SC5	10	2.39	2.69	0	5	1.814
SC6_Trans	2	.0978	.00	0	2	.3122
SC7	2	3.18	3.00	5	7	1.879
SC8	2	1.74	1.35	1	5	1.356
Y-LSI Total	10	19.26	20.00	23	40	7.661
<u>Highest Scores</u>						
SC1	9	2.20	2.00	4	5	1.538
SC2	3	2.82	3.00	3	6	1.590
SC3	4	3.03	3.00	3	7	1.845
SC4	9	2.42	2.00	2	4	1.107
SC5	2	2.43	3.00	0	5	1.814
SC6_Trans	8	.1050	.00	0	2	.3185
SC7	4	3.22	3.00	5	7	1.873
SC8	9	1.76	1.59	1	5	1.372
Y-LSI Total	4	19.40	20.00	23	40	7.622

Table 4.32

Descriptive Statistics for No Gang Affiliation (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	1	.9987	1.09	1.61	1.79	.5986
SC2_Recode	2	1.21	1.38	1.39	1.95	.5115
SC3_Recode	2	1.23	1.38	1.39	2.08	.5835
SC4_Recode	1	1.15	1.09	1.10	1.61	.3952
SC5_Recode	10	1.02	1.30	.00	1.79	.6695
SC6_Recode	2	.0826	.00	.00	1.39	.2579
SC7_Recode	2	1.29	1.38	1.79	2.08	.5601
SC8_Recode	2	.8769	.8536	.69	1.79	.5270
Y-LSI Total	10	19.26	20.00	23	40	7.661
<u>Highest Scores</u>						
SC1_Recode	9	1.01	1.09	1.61	1.79	.5979
SC2_Recode	3	1.22	1.38	1.39	1.95	.5089
SC3_Recode	4	1.25	1.38	1.39	2.08	.5823
SC4_Recode	9	1.16	1.09	1.10	1.61	.3875
SC5_Recode	2	1.04	1.38	.00	1.79	.6666
SC6_Recode	8	.0882	.00	.00	1.39	.2630
SC7_Recode	4	1.30	1.38	1.79	2.08	.5566
SC8_Recode	9	.8829	.9517	.69	1.79	.5317
Y-LSI Total	4	19.40	20.00	23	40	7.622

Gang affiliated offenders. Complete results for gang affiliated offenders on the YLS/CMI subscales and Total scores can be found in Appendix B13. Table(s) 4.33 and 4.34 contain the mean, median, and standard deviation for the lowest and highest imputation scores for gang affiliated offenders on the YLS/CMI subcomponents and total scores. Compared to the total sample and offenders with no gang affiliation, offenders with gang affiliation display higher means for each of the YLS/CMI subscales, and its total score. Given that SC1, SC3, SC5, SC7, and the total score fall below their respective median score, it indicates that the data are negatively skewed for these variables.

Table 4.33

Descriptive Statistics for Gang Affiliation (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	9	2.65	3.00	4	5	1.402
SC2	9	3.17	3.00	3	6	1.535

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
SC3	9	3.70	4.00	5	7	1.839
SC4	9	2.60	2.01	2	4	1.123
SC5	3	2.56	3.00	5	5	1.868
SC6_Trans	5	.0755	.00	0	2	.2794
SC7	4	3.94	4.00	4	7	1.909
SC8	3	2.23	2.00	1	5	1.485
Y-LSI Total	3	22.90	24.00	24	38	7.938
<u>Highest Scores</u>						
SC1	10	3.05	3.00	4	5	1.180
SC2	10	3.30	3.00	3	6	1.568
SC3	1	3.93	4.00	5	7	1.750
SC4	8	2.91	3.00	2	4	.928
SC5	10	3.09	4.00	5	5	1.798
SC6_Trans	9	.1119	.00	0	2	.3103
SC7	5	4.20	4.10	4	7	1.899
SC8	1	2.41	2.00	1	5	1.474
Y-LSI Total	1	24.44	25.00	24	38	7.573

Table 4.34

Descriptive Statistics for Gang Affiliation (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	9	1.18	1.38	1.61	1.79	.5287
SC2_Recode	9	1.33	1.38	1.39	1.95	.4575
SC3_Recode	9	1.44	1.60	1.79	2.08	.5123
SC4_Recode	9	1.22	1.10	1.10	1.61	.3736
SC5_Recode	3	1.08	1.38	1.79	1.79	.6621
SC6_Recode	5	.0622	.00	.00	1.39	.2273
SC7_Recode	4	1.49	1.60	1.161	2.08	.5034
SC8_Recode	3	1.05	1.09	.69	1.79	.5040
Y-LSI Total	3	22.90	24.00	24	38	7.938
<u>Highest Scores</u>						
SC1_Recode	10	1.33	1.38	1.61	1.79	.4197
SC2_Recode	10	1.37	1.38	1.39	1.95	.4548
SC3_Recode	1	1.50	1.60	1.79	2.08	.4649
SC4_Recode	8	1.33	1.38	1.10	.92	.2514
SC5_Recode	10	1.25	1.60	1.79	1.79	.6332
SC6_Recode	9	.0917	.00	.00	1.39	.2523
SC7_Recode	5	1.55	1.62	1.79	2.08	.4799
SC8_Recode	1	1.12	1.09	.69	1.79	.4814
Y-LSI Total	1	24.44	25.00	24	38	7.573

Offence type. Complete results for the characteristics of offence type new can be found in Appendix D6. Table 4.35 contains the smallest and largest sample sizes for offence type. Most of

offences were property crimes (N = 791-813), and comprised anywhere from 47.1-48.4%, followed by violent crime (N = 536-549) at 31.9-32.7%. Drug crimes (N = 175-192) comprised anywhere from 10.4-11.4%, leaving minor offences at 8.9-9.9% of the sample (N = 149-167). According to crime statistics reported by the FBI (2016), violent crimes tend to constitute a higher percentage of crimes at 53%, so this sample is not necessarily representative of official national crime statistics. However, the proportion of drug crimes is representative of official crime statistics (FBI, 2016).

Table 4.35

Descriptive Statistics for Offence Type New

Group	Imputation	Lowest		Imputation	Highest	
		N	Percentage		N	Percentage
Minor	5	149	8.9	8	167	9.9
Drugs	4	175	10.4	10	192	11.4
Property	10	791	47.1	5	813	48.4
Violence	1	536	31.9	6	549	32.7

Minor offences. Complete results for minor offences offenders on the YLS/CMI subscales and Total score can be found in Appendix B14. Table(s) 4.36 and 4.37 contain the mean, median, and standard deviation for the lowest and highest scores across imputations for offenders with minor offences and the YLS/CMI subcomponent and total scores. Offenders charged with minor offences fall within the moderate risk category, congruent with the total sample of offenders.

Table 4.36

Descriptive Statistics for Minor Offence (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
			Lowest Scores			
SC1	5	1.15	1.00	.00	5	1.312
SC2	1	2.85	3.00	3.00	6	1.619
SC3	6	3.12	3.00	3.00	7	1.715
SC4	5	2.06	2.00	2.00	4	1.129
SC5	3	1.66	1.00	0.00	5	0.649
SC6_Trans	5	.1239	.00	.00	2	.4458

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
SC7	8	2.88	3.00	2.00	7	1.792
SC8	2	1.88	2.00	.00	5	1.499
Y-LSI Total	2	17.83	18.00	19	40	7.648
<u>Highest Scores</u>						
SC1	8	1.50	1.00	.00	5	1.485
SC2	3	3.00	3.00	3.00	6	1.685
SC3	4	3.33	3.00	2.00	7	1.733
SC4	10	2.24	2.00	2.00	4	1.162
SC5	8	1.95	1.83	0.00	5	1.721
SC6_Trans	7	.2295	.00	.00	2	.6137
SC7	9	3.14	3.05	2.00	7	1.858
SC8	3	2.11	2.00	.00	5	1.565
Y-LSI Total	3	18.19	18.06	19.00	40	8.041

Table 4.37

Descriptive Statistics for Minor Offence (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	5	.5915	.6931	.00	1.79	.5785
SC2_Recode	1	1.24	1.38	1.39	1.95	.5006
SC3_Recode	6	1.30	1.38	1.39	2.08	.5222
SC4_Recode	5	1.03	1.09	1.10	1.61	.4379
SC5_Recode	3	.7824	.6931	.00	1.79	.6356
SC6_Recode	5	.1513	.00	.00	1.39	.2894
SC7_Recode	8	1.21	1.38	1.10	2.08	.5670
SC8_Recode	2	.9057	1.09	.00	1.79	.5754
Y-LSI Total	2	17.83	18.00	19	40	7.648
<u>Highest Scores</u>						
SC1_Recode	8	.7280	.6931	.00	1.79	.6274
SC2_Recode	3	1.27	1.38	1.39	1.95	.5211
SC3_Recode	4	1.35	1.38	1.10	2.08	.5101
SC4_Recode	10	1.09	1.09	1.10	1.61	.4392
SC5_Recode	8	.8827	1.03	.00	1.79	.6594
SC6_Recode	7	.1767	.00	.00	1.39	.3489
SC7_Recode	9	1.28	1.39	1.10	2.08	.5792
SC8_Recode	3	.9846	1.09	.00	1.79	.5827
Y-LSI Total	3	18.19	18.06	19.00	40	8.041

Drug crimes. Complete results for drug crimes on the YLS/CMI subscale and Total scores can be found in Appendix B15. Table(s) 4.38 and 4.39 contains the mean, median, and standard deviation for the lowest and highest imputation scores for drug crimes offenders on the YLS/CMI subcomponent and total scores. Compared to the complete sample, offenders with drug crimes appear to have either very close scores, or slightly lower scores across many of the subscales, and

the total score. Overall, the mean scores of offenders convicted of drug crimes fall into the same moderate-risk category as the total sample. However, it should come as no surprise that offenders with drug crime convictions had a much higher mean score for SC5 (Substance Abuse) than the total sample.

Table 4.38

Descriptive Statistics for Drug Crimes (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	3	2.31	2.54	4	5	1.459
SC2	2	2.46	2.86	3	6	1.479
SC3	7	2.70	2.00	2	7	1.969
SC4	4	2.33	2.00	2	4	.973
SC5	2	3.22	4.00	4	5	1.429
SC6_Trans	3	.1130	.00	0	2	.3390
SC7	2	2.49	2.00	1	7	1.878
SC8	7	1.51	1.00	1	5	1.879
Y-LSI Total	7	18.84	18.93	23	38	7.240
<u>Highest Scores</u>						
SC1	9	2.45	3.00	4	5	1.441
SC2	3	2.61	3.00	3	6	1.489
SC3	9	2.91	3.00	2	7	1.950
SC4	6	2.47	2.00	2	4	.980
SC5	4	3.34	4.00	4	5	1.363
SC6_Trans	5	.1431	.00	0	2	.3912
SC7	10	2.68	2.80	1	7	1.889
SC8	3	1.61	1.00	1	5	1.221
Y-LSI Total	10	19.47	19.00	17	38	7.232

Table 4.39

Descriptive Statistics for Drug Crimes (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	3	1.06	1.26	1.61	1.79	.5623
SC2_Recode	2	1.12	1.35	1.39	1.95	.5132
SC3_Recode	7	1.13	1.09	1.10	2.08	.6037
SC4_Recode	4	1.15	1.09	1.10	1.61	.3102
SC5_Recode	2	1.35	1.60	1.61	1.79	.4658
SC6_Recode	3	.0944	.00	.00	1.39	.2754
SC7_Recode	2	1.08	1.09	.69	2.08	.6081
SC8_Recode	7	.7983	.6931	.69	1.79	.5066
Y-LSI Total	7	18.84	18.93	23	38	7.240

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Highest Scores</u>						
SC1_Recode	9	1.11	1.38	1.61	1.79	.5492
SC2_Recode	3	1.17	1.38	1.39	1.95	.5052
SC3_Recode	9	1.20	1.38	1.10	2.08	.6154
SC4_Recode	6	1.19	1.09	1.10	1.61	.3091
SC5_Recode	4	1.39	1.60	1.61	1.79	.4207
SC6_Recode	5	.1173	.00	.00	1.39	.3132
SC7_Recode	10	1.14	1.33	.69	2.08	.6000
SC8_Recode	3	.8420	.6931	.69	1.79	.5036
Y-LSI Total	10	19.47	19.00	17	38	7.232

Property crimes. Complete results for property crimes on the YLS/CMI subscale and Total scores can be found in Appendix B16. Table(s) 4.40 and 4.41 contain the mean, median, and standard deviations for the lowest and highest imputation scores for property crimes on the YLS/CMI subcomponents and total score. The mean scores of offenders convicted of property crimes closely mirror those of the total sample. While in some instances property crime offenders have lower or higher mean values than the complete sample (depending on the subscale), overall, the scores remain in the moderate-risk category just as in the total sample. For SC1, SC2, SC5, and the total score, the mean values fall below their respective median scores, which indicates negative skewness within these subscales.

Table 4.40

Descriptive Statistics for Property Crimes (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	6	2.44	3.00	4	5	1.524
SC2	7	2.77	3.00	3	6	1.536
SC3	2	3.02	3.00	3	7	1.795
SC4	10	2.55	2.00	2	4	1.040
SC5	10	2.55	3.00	0	5	1.830
SC6_Trans	10	.0987	.00	0	2	.3171
SC7	9	3.13	3.00	4	7	1.879
SC8	10	1.76	1.26	1	5	1.367
Y-LSI Total	10	19.71	21.00	24	40	7.727
<u>Highest Scores</u>						
SC1	4	2.49	3.00	4	5	1.514
SC2	8	2.81	3.00	3	6	1.559
SC3	6	3.10	3.00	3	7	1.812

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
SC4	9	2.60	2.00	2	4	1.031
SC5	1	2.60	3.00	0	5	1.825
SC6_Trans	1	.1049	.00	0	2	.3324
SC7	8	3.20	3.00	4	7	1.894
SC8	8	1.81	1.80	1	5	1.373
Y-LSI Total	8	20.02	21.00	24	40	7.694

Table 4.41

Descriptive Statistics for Property Crimes (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	6	1.09	1.38	1.61	1.79	.5813
SC2_Recode	7	1.22	1.38	1.39	1.95	.4998
SC3_Recode	2	1.25	1.38	1.39	2.08	.5658
SC4_Recode	10	1.21	1.09	1.10	1.61	.3341
SC5_Recode	10	1.08	1.38	.00	1.79	.6642
SC6_Recode	10	.0819	.00	.00	1.39	.2577
SC7_Recode	9	1.28	1.38	1.61	2.08	.5619
SC8_Recode	10	.8890	.8144	.69	1.79	.5194
Y-LSI Total	10	19.71	21.00	24	40	7.727
<u>Highest Scores</u>						
SC1_Recode	4	1.11	1.38	1.61	1.79	.5763
SC2_Recode	8	1.22	1.38	1.39	1.95	.5059
SC3_Recode	6	1.28	1.38	1.39	2.08	.5668
SC4_Recode	9	1.23	1.09	1.10	1.61	.3269
SC5_Recode	1	1.09	1.38	.00	1.79	.6637
SC6_Recode	1	.0883	.00	.00	1.39	.2729
SC7_Recode	8	1.30	1.38	1.10	2.08	.5617
SC8_Recode	8	.9072	1.02	.69	1.79	.5176
Y-LSI Total	8	20.02	21.00	24	40	7.694

Violent crimes. Complete results for violent crimes on the YLS/CMI subscale and Total scores can be found in Appendix B17. Table(s) 4.42 and 4.43 contain the mean, median, and standard deviations for the lowest and highest imputation scores for violent crimes on the YLS/CMI subcomponent and total scores. What is most surprising about offenders convicted of violent crimes is that when compared to the total sample, violent offenders appear to have lower mean scores in some instances, and their total scores fall within the moderate-risk range. While violent offenders display lower mean scores for SC1, SC4, and SC5, and higher means for SC2, SC3,

SC7, and SC8; their means scores do not appear to be much higher or lower than that of the total sample, and all the subscales, whether lower or higher than the total sample, still fall within the moderate-risk category.

Table 4.42

Descriptive Statistics for Violent Crimes (normal)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1	1	2.08	2.00	3	5	1.498
SC2	5	2.90	3.00	3	6	1.663
SC3	8	3.06	3.00	4	7	1.937
SC4	8	2.27	2.00	2	4	1.202
SC5	9	2.11	2.00	0	5	1.853
SC6_Trans	7	.0552	.00	0	2	.2228
SC7	6	3.66	4.00	5	7	1.804
SC8	5	1.80	2.00	1	5	1.397
Y-LSI Total	1	19.79	20.32	23	37	7.936
<u>Highest Scores</u>						
SC1	6	2.15	2.00	3	5	1.510
SC2	3	2.96	3.00	3	6	1.642
SC3	9	3.18	3.00	4	7	1.924
SC4	9	2.31	2.00	2	4	1.206
SC5	2	2.18	2.00	0	5	1.865
SC6_Trans	10	.0794	.00	0	2	.2779
SC7	9	3.72	4.00	5	7	1.810
SC8	3	1.84	2.00	1	5	1.409
Y-LSI Total	3	20.02	21.00	23	37	7.928

Table 4.43

Descriptive Statistics for YLS/CMI Scales and Total Score by Violent Crimes (transformed)

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Lowest Scores</u>						
SC1_Recode	1	.9749	1.09	1.39	1.79	.5870
SC2_Recode	5	1.24	1.38	1.39	1.95	.5166
SC3_Recode	8	1.24	1.38	1.61	2.08	.6072
SC4_Recode	8	1.09	1.09	1.10	1.61	.4496
SC5_Recode	9	.9189	1.09	.00	1.79	.6917
SC6_Recode	7	.0491	.00	.00	1.39	.1973
SC7_Recode	6	1.44	1.60	1.79	2.08	.4853
SC8_Recode	5	.8955	1.09	.69	1.79	.5394
Y-LSI Total	1	19.79	20.32	23	37	7.936

Risk Scale	Imputation	Mean	Median	Mode	Range	Standard Deviation
<u>Highest Scores</u>						
SC1_Recode	6	.9974	1.09	1.39	1.79	.5871
SC2_Recode	3	1.26	1.38	1.39	1.95	.5040
SC3_Recode	9	1.28	1.38	1.61	2.08	.5959
SC4_Recode	9	1.11	1.09	1.10	1.61	.4499
SC5_Recode	2	.9416	1.09	.00	1.79	.6967
SC6_Recode	10	.0698	.00	.00	1.39	.2417
SC7_Recode	9	1.45	1.60	1.79	2.08	.4860
SC8_Recode	3	.9088	1.09	.69	1.79	.5398
Y-LSI Total	3	20.02	21.00	23	37	7.928

Statistical Assumptions

Several statistical assumptions must be assured for both bivariate and multivariate statistics. Because this study used group data, many of the statistical assumptions required that each group of each independent variable be assessed separately. Statistical assumptions for univariate outliers, tests of linearity, homogeneity of variance, univariate normality, multivariate normality, homogeneity of variance-covariance matrices, multivariate outliers, multicollinearity, and singularity were assessed. Transformations for both univariate and multivariate violations are also discussed below.

Univariate Outliers. Univariate outliers are screened via z-scores in SPSS, with a z-score of ± 3.29 indicating a univariate outlier (Tabachnick & Fidell, 2007). Overall, subcomponent 6 (Leisure/Recreation) was found to be the only variable with univariate outliers in the entire sample. Tabachnick and Fidell (2007) state that it is quite common for large samples such as this one to have some outlier scores, and outliers are not entirely problematic. For a complete breakdown of univariate outliers by group for each independent variable, see below. In text, the reported z-scores are the maximum scores found for each group of each independent variable.

Gender. Subcomponent 6 (SC6) was a univariate outlier for male offenders (Appendix E1), reaching as high as $z = 5.81$.⁷ Despite univariate transformations (see below), SC6_Trans was also a univariate outlier for female offenders (Appendix E2), reaching as high as $z = 6.39$.⁸ Male offenders had a maximum of 55 cases with univariate outliers (SC6), while female offenders had a maximum of only 8, for their respective imputations.

Race. SC6_Trans was a univariate outlier for all the racial categories, despite the transformations. Significant z-scores were found for blacks ($z = 4.77$),⁹ whites ($z = 4.61$),¹⁰ bi-racial ($z = 4.47$),¹¹ and other races ($z = 5.57$).¹² See Appendices E3 through Appendix E6. Black offenders had a total of 18 cases with univariate outliers, while white offenders had a maximum of 42, and bi-racial and “other” offenders had only 1 case each.

Hispanic Origin. SC6_Trans was a univariate outlier for both non-Hispanic offenders (Appendix E7) and Hispanic offenders (Appendix E8). For non-Hispanic offenders, z-scores reached as high as $z = 4.63$,¹³ while z-scores for Hispanic offenders reached as high as $z = 6.55$.¹⁴ Non-Hispanic offenders had a maximum of 61 cases with univariate outliers, while Hispanic offenders had only 1 case.

Child Service History. When comparing offenders without a child service history (Appendix E9) to those with a history of involvement (Appendix E10), those without a child service history had a significant z-score as high as $z = 5.44$ for SC6_Trans,¹⁵ while those with child service history

⁷ Imputation 3.

⁸ Z-scores were identical across imputations.

⁹ Imputation 2.

¹⁰ Imputation 1.

¹¹ Imputation 7 and 10.

¹² Imputation 10.

¹³ Imputation 2.

¹⁴ Imputation 9.

¹⁵ Imputation 3.

had lower z-scores as high as $z = 4.46$.¹⁶ Offenders without a child service history had a maximum of 23 cases with univariate outliers, and offenders with a child service history had 26 cases with univariate outliers.

Gang Affiliation. Offenders without gang affiliation (Appendix E11) had significant z-scores for SC6_Trans as high as $z = 4.65$,¹⁷ while gang-affiliated offenders (Appendix E12) displayed significant z-scores for SC6_Trans as high as $z = 5.67$.¹⁸ Offenders with no gang affiliation had a maximum of 59 cases with univariate outliers, while gang-affiliated offenders only had a maximum of 3 cases.

Offence Type. SC6_Trans was a univariate outlier for offenders convicted of minor offences ($z = 4.20$),¹⁹ drug crimes ($z = 4.49$),²⁰ property crimes ($z = 4.68$),²¹ and for violent crimes ($z = 6.04$).²² Please see Appendix E13 through Appendix E16. Offenders convicted of violent offences had a maximum of 5 cases with univariate outliers, drug crimes had a maximum of 7 cases, property crimes had a maximum of 39 cases, and violent crimes had a maximum of 13 cases.

Univariate Transformations. The decision was then made to recode subcomponent 6 by collapsing the upper scores of 2 and 3 together, creating a new variable: SC6_Trans. The recommended methods of transformation such as logarithm 10 (Tabachnick & Fidell, 2007) unfortunately did not significantly reduce outlier scores for most variables, except for racial others (see Appendix E18). One possible explanation of this is that SC6 has a very small range of scores (0-3), with over 90% of the sample scoring 0. By collapsing the top scores of 2 and 3 together to create the new variable, the impact of SC6 as a univariate outlier was reduced throughout the

¹⁶ Imputation 10.

¹⁷ Imputation 7.

¹⁸ Imputations 4 and 6.

¹⁹ Imputation 5.

²⁰ Imputation 8.

²¹ Imputation 10.

²² Imputation 7.

sample where both the z-score, and the number of outliers were both reduced (see Appendix E19).

Linearity. Linearity is a requirement for multivariate statistics. To test for linearity, bivariate scatterplot matrices were created for each group of each independent variable. In addition to the scatterplot matrices, bivariate correlations were calculated for increased accuracy in determining a linear relationship, as it was difficult to classify the slope of the line in some cases when it approached flatness.

The results for linearity are found throughout Appendix F. What can be concluded is that overall there is a linear relationship between the subcomponent scales in each group; and the assumption of linearity is maintained throughout most of the groups within the sample, with exceptions for certain variables within each group. One consistent pattern found among almost all groups focuses on subcomponent 6 (Leisure/Recreation). The pattern shows that subcomponent 6 only has significant relationships with some of the other variables for the more marginalized groups: females, blacks, offenders with an Hispanic Origin, a history of child services, and gang affiliation, with convictions for minor crimes. The results for linearity for each group are discussed below.

It is worth noting that transformations of the data, including collapsing SC6 scores, and natural logarithm transformations (see multivariate outliers) had no effect on linearity in terms of enhancing it.

Gender. Male (Appendix F1) and female (Appendix F3) offenders did not differ significantly in tests of linearity. For both genders, there was a pattern of positive linear relationships among the subcomponent scores. Where male and female offenders differed was with SC6_Trans (Leisure/Recreation), in which there was no significant relationship for males (Appendix F2), whereas there was a significant negative correlation for females (Appendix F4) between SC1 and SC6_Trans ($p = .034$).

Race. Black (Appendix F5) and white (Appendix F7) offenders differ in much the same way that male and female offenders differed: both groups show predominantly positive linear relationships among variables, with the notable exception that no relationship was found for SC6_Trans. For black offenders, there was a significant bivariate correlation (Appendix F6) between SC6_Trans and SC7 ($p = .043$), but not for other variables, which was a pattern that was not seen with white offenders (Appendix F8).

For Bi-Racial offenders (Appendix F9), bivariate scatterplots revealed mixed results of positive and negative linear relationships among variables in most cases; however, results for SC6_Trans were insignificant. For bivariate correlations see Appendix F10.

For “Other” racial groups (Appendix F11), there is a large mix of positive and negative linear relationships across most variables, with some insignificant correlations mixed throughout. Bivariate correlations in Appendix F12 reveal that for racial “others”, SC1 and SC2 were only correlated with each other ($p = .009$). The rest of the variables appear uncorrelated. As stated earlier, bivariate correlations are meant to add clarity to linearity analyses, not replace them. What can be concluded for “others” is that the YLS/CMI subcomponents may not have a completely linear relationship for this group, which may be of note for further study.

Hispanic origin. For offenders who were not of Hispanic origin (Appendix F13), there are significant positive linear relationships among all the subcomponents, except for SC6_Trans, where there is either no relationship, or a slight negative relationship (see Appendix F14).

For offenders of Hispanic origin (Appendix F15), the results are very different from non-Hispanic offenders, with the most notable difference being found in SC6_Trans where data show a combination of positive, negative, and no relationships with other variables. However, bivariate correlations (Appendix F16) reveal no correlation between SC1, SC4, SC5, SC6_Trans and any

other subcomponents; while SC2 ($p = .035$) SC3 ($p = .042$), and SC8 ($p = .018$) were both correlated with SC7.

Child service history. Results for offenders without a child service history (Appendix F17) indicate a pattern of positive linear relationships among variables, except for Subcomponent 6, which displayed either no correlation, or in one case a negative correlation (SC6-SC5). Bivariate correlations (Appendix F18) indicate a significant correlation between SC5 and SC6_Trans ($p = .015$).

Results for offenders with a child service history (Appendix F19) were very similar to those for offenders without a child service history. However, the observed linear relationships are less prominent for offenders with a child service history compared with those without. Furthermore, there are markedly more pronounced negative linear relationships for SC6_Trans with almost all other variables for offenders with a child service history, compared with offenders without such a history. Bivariate correlations (Appendix F20) reveal that while there was a significant correlation between SC5 and SC6_Trans for offenders with no CHS; there were also significant correlations between SC2 ($p = .027$), and SC7 ($p = .005$) with SC6_Trans.

Gang affiliation. Offenders without any gang affiliation (Appendix F21) demonstrate a pattern of positive linear relationships across most of the variables. The notable exception to this, as for most groups, is the appearance of either small negative linear relationships, or no relationship at all between SC6_Trans and other variables, which is supported by bivariate correlations (Appendix F22).

For offenders with a gang affiliation (Appendix F23), the results of the bivariate scatterplots are not markedly different than for offenders without gang affiliation. While the positive linear relationship for offenders with gang affiliation is slightly weaker in some cases, the overall patterns

in the relationships remain very similar. There is one notable exception to this, however; which is the differences between the two groups regarding SC6_Trans. While offenders with no gang affiliation demonstrate no relationships at all, offenders with gang affiliation show much more pronounced negative relationships between SC6_Trans and other variables. However, bivariate correlations did not provide any supporting evidence of correlations (Appendix F24).

Offence type. For minor offences (Appendix F25), results indicate a combination of positive and negative linear relationships. While some subcomponents appear to have a negative relationship with SC6_Trans according to the scatterplot matrix, bivariate correlations reveal no significant correlations between SC6_Trans and any of the other subcomponents (Appendix F26).

For drug offences (Appendix F27), results indicate overall positive linear relationships among variables in both the original, and imputed data sets. Like minor offences, SC6_Trans appears to have negative linear relationships with other variables according to the bivariate scatterplot matrix; however, bivariate correlations reveal no significant correlations for SC6_Trans and any of the other subcomponents (Appendix F28).

For property crimes (Appendix F29), results indicate a trend of overall positive linear relationships between variables. However, according to the bivariate scatterplot matrix, there appears to be no relationship between SC5 and SC8. Results in Appendix F30 reveal that the correlation between SC5 and SC8 was insignificant ($p < .798$). SC6_Trans appeared to have no relationship with the other subcomponents, with bivariate correlations demonstrating no significant correlations.

For violent crimes (Appendix F31), results indicate a trend of overall positive linear relationships among variables. The notable exception to this is with SC6_Trans, where a combination of positive, negative, and no relationships appear in the scatterplot matrix. Bivariate

correlations (Appendix F32) reveal that for SC6_Trans there were no significant correlations with any of the other subcomponents.

Homogeneity of Variance. Homogeneity of variance is assessed using a Levene's Test. Results for homogeneity of variance for each group of each independent variable can be found throughout Appendix G. Analysis of variance is robust to violations of homogeneity of variance only if the ratio of cell sizes do not exceed a limit of 4:1, and the ratio of cell variances do not exceed a limit of 10:1 (Tabachnick & Fidell, 2007). However, if cell size ratios exceed the 4:1 limit, then a cell variance ratio as low as 3:1 can increase Type-I error (Tabachnick & Fidell, 2007).

The assumption of homogeneity of variance was violated for race, Hispanic origin, and child service history; while the assumption is maintained for gender, gang affiliation, and offence type. The results for homogeneity of variance for each variable are discussed below. Transformations on the YLS/CMI total score were attempted using square root, logarithm 10, and natural logarithm transformations. These transformations did not improve homogeneity of variance for groups found in violation of the assumption.

Examination of cell variances helped to enhance the understanding as to whether a variable was in fact in violation of homogeneity of variance to the degree that it was problematic. While transformations of the YLS/CMI total score were not successful, the current study uses a more stringent alpha level ($\alpha = .025$), which is one method recommended by Tabachnick and Fidell (2007) for cases when homogeneity of variance is violated.

Gender. For the gender variable on the YLS/CMI total score, the Levene's statistic proved to be insignificant, and the assumption of homogeneity of variance was maintained. See Appendix G1. Appendix G2 contains the cell sizes and cell variances for gender.

Race. For Race for the YLS/CMI Total, the Levene's statistic was significant, thereby violating the assumption of homogeneity of variances (see Appendix G3), which can have a significant impact on Type-I, or Type-II error. Examination of Appendix G4 indicates that the largest to smallest ratios were between white offenders (N = 1169) and bi-racial offenders (N = 22), which far exceeds the ratio limit of 4:1 (Tabachnick & Fidell, 2007). As the cell size ratios exceed the limit of 4:1, the cell variance limit of 3:1 was also exceeded where the largest variance was associated with whites (65.214), and the smallest was associated with "Others" (21.541).²³ However, while the largest cell variance was associated with the largest cell size for whites, this pattern was not observed between all racial categories where bi-racial offenders produced larger variances than "others" despite their smaller cell size. The results indicate that the ANOVA will be robust against increases in Type-II error; however, there is increased Type-I error due to exceeding the cell size ratio and cell variance ratio limits (Tabachnick & Fidell, 2007). Despite the increased chance of Type-I, the stringent alpha level ($p < .025$) used in the ANOVA will help mitigate the violation in homogeneity of variance.

Hispanic origin. For Hispanic Origin for the YLS/CMI Total, the Levene's statistic was significant, and the assumption of homogeneity of variance was violated. See Appendix G5. A cross-tabulation for Hispanic origin and the YLS/CMI Total (Appendix G6) reveals that cell size ratios were 1632:47 for non-Hispanic and Hispanic offenders, respectively, which indicates that the cell size limit is far exceeded in this case. However, cell variance ratios did not exceed the limit of 10:1, or even 3:1 (Tabachnick & Fidell, 2007), which indicates that the ANOVA is robust against the risk of Type-I error. However, the larger variances were associated with much the much larger sample of non-Hispanic, so there is an increased risk of Type-II error.

²³ As imputations for Race New were very similar, imputation 1 was used for simplicity.

Child service history. For Child Service History for the YLS/CMI Total, the Levene's statistic was significant, and the assumption of homogeneity of variance was violated. See Appendix G7. Cross-tabulations between CHS and the YLS/CMI Total are available in Appendix G8. Results indicate that neither the cell size ration of 4:1, or the variance ratio of 10:1 were violated (Tabachnick & Fidell, 2007), so the ANOVA is robust against violations of homogeneity of variance, and robust against increases in Type-I; however, the larger cell variances were associated with larger cell sizes, which indicates increased Type-II error.

Gang affiliation. For Gang Affiliation for the YLS/CMI Total, the Levene's statistic was insignificant, and the assumption of homogeneity of variance was maintained. See Appendix G9. Cell sizes and cell variances can be found in Appendix G10.

Offence type. For Offence Type for the YLS/CMI Total, the Levene's statistic was insignificant for all imputations after the original data set, and the assumption of homogeneity of variance was maintained. See Appendix G11. Cell sizes and cell variances can be found in Appendix G12.

Univariate Normality. For the Youth Level of Service Inventory Total score (YLS/CMI Total) each group of the dependent variables was assessed using P-P Plots. Overall, results demonstrate that the YLS/CMI Total score is normally distributed for most of the groups within each independent variable. Very slight deviations in kurtosis were observed for Bi-racial, and "other" offenders in the race category, and offenders with a Hispanic origin; as well as a slight negative skewness and positive kurtosis for offenders with gang affiliation and those with minor offences.

Gender. Results for male (Appendix H1) and female (Appendix H2) offenders demonstrate that the YLS/CMI Total is normally distributed for both groups.

Race new. P-P plots indicate a normal distribution for black (Appendix H3) and white (Appendix H4) offenders. In both groups, the distribution hugs the diagonal very closely.

However, when examining at the other sub-groups within the variable for race, you can see that for Bi-Racial (Appendix H5), and “Other” (Appendix H6) offenders, the YLS/CMI Total score deviates from normality just slightly for Bi-racial offenders, and has a slight leptokurtic kurtosis for “other” offenders where the distribution appears more peaked than normal. However, these slight deviations from normality are not significant enough to invalidate the analyses.

Hispanic origin. Results for offenders without a Hispanic origin (Appendix H7) indicate that the score for the YLS/CMI Total is normally distributed. However, for offenders with a Hispanic origin (Appendix H8), the YLS/CMI total score is more peaked with a slight positive kurtosis.

Child service history. Results for offenders with, or without, a history of child service involvement demonstrate that the score for the YLS/CMI Total is normally distributed within each group. See Appendices H9 and H10.

Gang affiliation. Results for offenders without gang affiliation (Appendix H11) demonstrate that the score for the YLS/CMI Total is normally distributed within that group. Alternatively, for offenders with gang affiliation (Appendix H12), results demonstrate a slight negative skewness, and positive kurtosis within this group where the distribution is more peaked.

Offence type new. Results for minor offences (Appendix H13) indicate that the YLS/CMI total score is not normally distributed within this group, which shows a slight negative skewness, and positive kurtosis. For offences such as Drug Crimes (Appendix H14), Property Crimes (Appendix H15), and Violent Crimes (Appendix H16), the Y-LSI total has a relatively normal distribution.

Multivariate Normality. The assumption of multivariate normality is met when each cell has a minimum of 20 cases to maintain robustness against multivariate F violations (Tabachnick & Fidell, 2007). In this study, the smallest cell size was found for bi-racial offenders and SC6_Trans (N = 21), which was very close to all the other subcomponents (N = 22). While this meets minimum

standards, the author of the study advises caution for multivariate normality, as there are six independent variables, and some one-tailed tests. See Appendix I1 through Appendix I6 for cell counts.

Homogeneity of Variance-Covariance Matrices. Homogeneity of Variance-Covariance Matrices were assessed through a Box M-Test. The Box M-Test produces an F-value, which is significant at $p < .001$. If a significant p-value is found, then the assumption of homogeneity of variance-covariance matrices is violated. It should be noted that Box's M-Test is sensitive in large data sets, and where cell frequencies are found to be unequal. The results for the Box M-Test can be found in Appendix J. Results were significant at every level of imputation ($p < 0.000$). With these results, the assumption of homogeneity of variance-covariance matrices is violated, which can influence Type-I error. This violation is especially of concern when cell frequencies, variances and covariates are unequal (Tabachnick & Fidell, 2007).

Given the violation of the assumption for homogeneity of variance-covariance matrices in the Box-M test, it is important to examine the cell variances of each dependent variable by the grouping variable, as smaller cells that produce larger variances are an indication that statistical tests are conservative, and rejection of the null hypothesis can be done with certainty (Tabachnick & Fidell, 2007). Conversely, larger cells that produce larger variances are too liberal in nature, and significant results should be interpreted cautiously (Tabachnick & Fidell, 2007).

Gender. Comparing cell variances between male and female offenders, Appendix K1 indicates that larger variances can be seen in SC1 for female offenders, which exhibit smaller cell counts, so results regarding SC1 are likely conservative. However, for the rest of the subscales, significant results need to be interpreted with caution, as the male sample consistently produces larger variances compared to the female sample, meaning that significant differences may be too liberal,

increasing the risk of type-I error.

Race. Comparisons for cell variances for the race new variable can be found in Appendix K2. Comparing cell variances between black, white, bi-racial, and “other” offenders, the sample of white offenders have consistently larger variances associated with their larger sample size, which was observed across all the subcomponent scores. Significant results should be interpreted with caution, as they may be too liberal, inflating the risk of Type-I error.

Hispanic Origin. Cell variances comparing non-Hispanic and Hispanic offenders (Appendix K3), consistently demonstrated that larger variances were associated with the larger cell sizes in the non-Hispanic group across all variables. Significant results should be interpreted cautiously comparing Hispanic origin groups, as there is increased risk of Type-I error.

CHS. Cell variances comparing offenders with no child service history, with those with a known history of child service involvement can be found in Appendix K4. Results indicate that for SC1 and SC6, larger variances were observed for offenders with a history of child service involvement compared to those without, and that the sample sizes for these cells were considerably smaller. Significant results regarding SC1 and SC6 comparing this group can be interpreted with confidence, as they are likely conservative. For the other subcomponents, significant results should be interpreted with caution, as they may be too liberal, leading to increased risk of Type-I error.

Gang Affiliation. Cell variances comparing offenders with no gang affiliation, with gang-affiliated offenders can be found in Appendix K5. Cell variances consistently indicate that the larger cell sizes for offenders with no gang affiliation is associated with larger variances. Significant results regarding gang affiliation should be interpreted with caution, as they may be too liberal.

Offence Type. Cell variances for offence type new can be found in Appendix K6. Comparisons of cell variances between different offence categories, including minor offences, drug crimes, property crimes, and violent crimes reveal mixed results. For SC1, larger variances were associated with the smaller sample size of minor offences, indicating that significant results may be conservative in nature, and can be interpreted with confidence. For SC2, larger variances were associated with the larger cell size of property crimes, making significant results too liberal. For SC3, larger variances were associated with the smaller cell size of drug crimes, indicating that results may be conservative. For SC4, larger variances were associated with the smaller cell sizes of minor offences, meaning that results are likely conservative. For SC5, larger variances were associated with the larger cell sizes associated with property crimes, meaning that significant results may be too liberal. For SC6, larger variances were associated with the smaller cell size of minor offences, making significant results likely conservative. For SC7, larger variances were associated with the smaller cell size of drug crimes, meaning that significant results are likely conservative. For SC8, larger variances were associated with the smaller cell size of minor offences, making significant results most likely conservative.

Overall, significant results regarding SC1, SC3, SC4, SC6, SC7, and SC8 should be interpreted with confidence, as estimates may be conservative in nature. However, interpretation of significant results for SC2 and SC5 should proceed cautiously, as estimates may be too liberal, leading to an increased risk of Type-I error.

Multivariate Outliers. Multivariate outliers are first identified via Mahalanobis Distances, which is the difference in the mean from the central point (i.e. the centroid) where all the variables intersect (Tabachnick & Fidell, 2007). Following Mahalanobis Distances, a cumulative distribution Chi-Square is calculated for the Mahalanobis Distance to determine significance. Each

group of each independent variable was assessed separately.

Description of Multivariate Outliers. A substantial number of multivariate outliers were discovered throughout each group of each independent variable of the sample. The only exception to this was the bi-racial group of offenders where no multivariate outliers were discovered.

Gender. A substantial number of multivariate outliers were found for male offenders (Appendix L1), while a comparatively lower amount was detected for female offenders (Appendix L2). While male offenders displayed a greater number of multivariate outliers, the Mahalanobis distances for female offenders were higher at both the lower and upper extremes compared to males.

Race new. Black offenders (Appendix L3) had a slightly lower number of multivariate outliers compared to white offenders (Appendix L4); however, the Mahalanobis distances were very similar between the two. For “others” under the race category, multivariate outliers were not detected in the first imputation, but were present in the rest, with only one multivariate outlier present in each imputation thereafter (Appendix L5).

Hispanic origin. Non-Hispanic offenders (Appendix L6) had a larger number of multivariate outliers, in addition to displaying much greater Mahalanobis distances compared to Hispanic offenders (Appendix L7) where only one multivariate outlier was detected in each imputation.

Child service history. Offenders without a child service history (Appendix L8) had a greater number of multivariate outliers, with much higher Mahalanobis distances compared to offenders with a child service history (Appendix L9).

Gang affiliation. Offenders without any gang affiliation (Appendix L10) had a far greater number of multivariate outliers compared to gang-affiliated offenders (Appendix L11). However, the Mahalanobis distances were not significantly different from each other.

Offence type. Offenders convicted of minor offences (Appendix L12) had the fewest multivariate outliers of all offence types, followed by drug crimes (Appendix L13); while property crimes had the greatest number of multivariate outliers (Appendix L14), followed closely by violent crimes (Appendix L15). However, the most extreme of the multivariate outliers was found for violent crimes, displaying much higher Mahalanobis distances compared to any other offence type.

Variables Causing Multivariate Outliers. After identifying the multivariate outliers within the sample, a logistic regression analysis was conducted to find out which variables were causes of multivariate outliers. Appendix M1 contains the complete breakdown of which subcomponents caused multivariate outliers, while Appendix M2 contains the excluded variables in the model(s).

As seen in Appendix M1, each imputation level calculated a different number of models, with some imputations calculating only 2 models, while others calculated as many as 6 models. While each imputation may run a different number of models, what is clear is that SC6_Trans was the only common variable across all models. In this section, Imputation 3 will be used for interpreting causes of multivariate outliers, as it was the only imputation to include all 6 models.

Model 1. In model 1, SC6_Trans was significant ($p < .000$) as a multivariate outlier.

Model 2. In model 2, SC1 ($p < .000$), and SC6_Trans ($p < .000$) were both significant as multivariate outliers.

Model 3. In model 3, SC1 ($p < .000$) and SC6_Trans ($p < .000$) were both significant as multivariate outliers, but SC8 was not ($p < .017$).

Model 4. For model 4, SC1 ($p < .001$), SC6_Trans ($p < .000$), and SC8 ($p < .001$) were significant as multivariate outliers, whereas SC7 ($p < .021$) was not.

Model 5. In model 5, SC1 ($p<.000$), SC6_Trans ($p<.000$), SC8 ($p<.004$), and SC7 ($p<.005$) were all significant as multivariate outliers, whereas SC2 ($p<.035$) was not.

Model 6. In model 6, SC1 ($p<.005$), SC6_Trans ($p<.000$), SC8 ($p<.006$), and SC7 ($p<.007$) were significant multivariate outliers, whereas SC2 ($p<.020$) and SC5 ($p<.040$) were not.

Transformation of Multivariate Outliers. While SC2, SC3, SC4, and SC5 were not significant sources of multivariate outliers, there were still transformed with SC1, SC6_Trans, SC7, and SC8 as a safety measure to ensure multivariate outliers were eliminated. A natural logarithm was used on all eight of the subcomponent scores (SC1-8), which eliminated multivariate outliers in all groups. As SC6 was already transformed as a univariate outlier the second transformation had made the scores appear exceptionally small.

Multicollinearity. SPSS regression was used to assess multicollinearity in the independent variables of gender, race, Hispanic origin, child service history, gang affiliation, and offence type using a dummy variable as dependent. The criteria for multicollinearity is a Condition Index (CI) of 30 or greater for a given dimension, coupled with variance proportions greater than .50 across two or more variables (Belsely et. al, 1980 in Tabachnick & Fidell, 2007). As seen in Appendix N, the independent variables are free of multicollinearity, as the CI failed to reach 30 in any dimension, although there were several instances where the variance proportion did surpass the threshold of .50 in two or more variables.

Singularity. Singularity occurs when there are fewer cases than dependent variables within any cell, which is likely to cause a rejection of the variance-covariance matrices, and a potential error within SPSS. In the original racial categories, Asians, and American Indian offenders had as few as 1 case within a given cell in some situations, which would cause singularity. As described above, Asian and American Indians were recoded and combined with the “other” category within the race

variable, thus eliminating the potential for singularity. In addition to this, as there were so few offenders with “technical violations” in the original offence type variable, this category was combined with status offences to create a new category of “minor offences”, as described above. To further combat the potential for singularity within cells, SPSS MANOVA Type-III was utilized, as it provides robust corrections for unequal samples sizes in the cells, protecting against singularity. During the analysis, a fatal crash of the ANOVA or MANOVA function did not occur, and results were obtained.

Inferential Statistics

Results for inferential statistics are described below, beginning with bivariate Analysis of Variance (ANOVA); followed by Multivariate Analysis of Variance (MANOVA) with Roy-Bargmann Stepdown Analysis, and the associated Adjusted Marginal Means for significant variables.

Results for inferential statistics are characterized in one of three ways: 1) using the lowest values across imputations if they are statistically significant; 2) noting the distinction between lower scores and higher scores across imputations when the lower score is insignificant, while the higher score has reached significance; and 3) noting when the results are insignificant for both the lowest and highest scores. The reason for these three methods for describing the results are that if the lowest score is significant, then the corresponding highest score is also significant, so mentioning both is redundant. When the lowest scores may appear insignificant, while highest scores appear significant, this can be due to issues of statistical power where there may be more cases imputed in a group in the IV, or the scores within a DV are imputed at a higher value. If both the lowest and highest scores are insignificant, the reader should be informed that the results are clearly insignificant. In the case of the second instance, the results are not considered to be

significant in the study, but the argument can be made that the results cannot be dismissed outright, and that further analysis may be warranted in future research.

Analysis of Variance. An Analysis of Variance (ANOVA) was conducted to examine the mean differences in YLS/CMI Total score values. Results for the full model can be found in Appendix O. Table 4.44 contains the results for the lowest and highest significant/insignificant F-values for two-tailed tests for each independent variable. Overall, significant results were found for gender, race, child service history, and gang affiliation. Hispanic origin failed to reach significance in every level of imputation, while offence type only reached significance in imputations 1, 2, 3, and 8. Post-hoc comparisons are available for the race variable using Tukey's-HSD.

Table 4.44

Analysis of Variance for the Y-LSI Total

Variable	Imputation	F	Sig.	Partial Eta Squared
<u>Lowest Scores</u>				
Gender	3	9.259	.002	.006
Race New	9	3.254	.021	.006
Hispanic Origin	5	1.120	.290	.001
Child Service History	10	75.252	.000	.043
Gang Affiliation	3	20.943	.000	.012
Offence Type New	10	1.383	.246	.002
<u>Highest Scores</u>				
Gender	7	14.621	.000	.009
Race New	7	5.448	.001	.010
Hispanic Origin	3	4.731	.030	.003
Child Service History	6	100.292	.000	.057
Gang Affiliation	1	35.162	.000	.021
Offence Type New	2	3.756	.011	.007

Gender. Significant results (two-tailed) were found for gender: $F(1, 1668) = 9.259$, $p < 0.000$, $\eta^2 = .006$ at the lowest score. While significant F-values were found for gender, it only demonstrates a very small and clinically insignificant main effect in the partial-eta squared by accounting for just under 1% of the variance in the YLS/CMI total score. The null hypothesis that the means of the YLS/CMI total score are equivalent for male and female offenders can be rejected

with confidence.

Pooled means. The pooled means for male and female offenders can be found in Appendix M2 and Appendix M3, respectively. Male offenders demonstrated a pooled mean of 19.32, while the pooled mean for female offenders was 20.84; and while this only shows a difference in the mean of ± 1.52 for gender, the results were significant for the two-tailed hypothesis that there are differences in the YLS/CMI total score.

Race new. Results for race need to be interpreted with caution due to violations in homogeneity of variance, and increased risk of Type-I error. Significant results for one-tailed tests were found for race: $F(3, 1668) = 3.254, p < 0.021, \eta^2 = .006$ at the lowest score, accounting for up to 1% of the total variance explained in the sample. The results support the rejection of the null hypothesis, and that there are differences in the mean of the YLS/CMI total score, and that they are not equivalent for all groups.

Pooled means. Black offenders (Appendix M4) displayed a pooled mean of 20.79, white offenders (Appendix M5) displayed a pooled mean of 19.09; and bi-racial offenders (Appendix M6) displayed a pooled mean of 22.24, while “other” offenders (Appendix M7) displayed a pooled mean of 21.85. To determine mean differences among racial categories, post-hoc testing was conducted using Tukey’s Honestly Significant Differences (Tukey-HSD).

Post-Hoc Comparisons. Complete one-tailed results for Tukey-HSD post-hoc comparisons can be found in Appendix P, while Table 4.45 contains the smallest and largest mean differences in the YLS/CMI Total score across imputations. The only significant differences found were between black and white offenders, where black offenders consistently displayed higher means for the YLS/CMI total score compared to white offenders across all imputations. While the results from Tukey-HSD provide partial support for rejecting the null hypothesis for race it should be retained

cautiously. While these mean differences appear significant in the study, they must be interpreted with caution due to violations in homogeneity of variance where cell size ratios exceeded the 4:1 limit.

Table 4.45

Tukey-HSD for Race New

Imputation	Race (I)	Race (J)	Mean Difference (I – J)	Std. Error	Sig.
<u>Lowest Scores</u>					
4	Black	White	1.59	.407	.001
4	White	Black	-1.59	.407	.001
<u>Highest Scores</u>					
7	Black	White	1.79	.403	.000
7	White	Black	-1.79	.403	.000

Hispanic origin. Results for one-tailed tests for Hispanic origin failed to reach significance in both the lowest value: $F(1, 1668) = 1.120, p < 0.290, \eta^2 = .001$; and the highest value: $F(1, 1668) = 4.731, p < 0.030, \eta^2 = .003$. The results confidently retain the null hypothesis, which states that the mean of YLS/CMI total score is equivalent when comparing non-Hispanic and Hispanic offenders.

Pooled means. Non-Hispanic offenders (Appendix M8) displayed a pool mean of 19.57, while Hispanic offenders (Appendix M9) displayed a pooled mean of 22.38, showing a mean difference of ± 2.81 . While the pooled means for Hispanic offenders place them slightly outside the moderate-risk category of the YLS/CMI (9-22), the mean differences are insignificant.

Child service history. Significant results for one-tailed tests were found for child service history (CHS), which displayed the largest F-values in the sample. At its lowest score, CHS was significant: $F(1, 1668) = 75.252, p < 0.00, \eta^2 = .043$. CHS demonstrated a small but significant main effect by accounting for up to 4-5% of the variance in the Y-LSI total score. While homogeneity of variance was violated for CHS, neither the cell size or cell variance ratios were

violated, and given the stringent alpha ($\alpha = .025$, one tailed) used, the null hypothesis can be rejected with confidence.

Pooled means. Offenders without a history of child service involvement (Appendix M10) demonstrated a lower pooled mean of 18.01, compared to offenders with a child service history (Appendix M11), who demonstrated a pooled mean of 22.00. While the results place both groups of offenders within the moderate risk category, offenders with a child service history are at the top end of the scale (moderate risk = 9-22), where some imputations place the mean above 22.00, with a mode of 23. The differences in the pooled mean of ± 3.99 supports the argument that offenders with a child service history are a higher-risk group compared to delinquency-only offenders.

Gang affiliation. Significant results for one-tailed tests were found for gang affiliation, which displayed the second highest F-values next to CHS. At the lowest score, gang was significant: $F(1, 1668) = 20.943$, $p < 0.000$, $\eta^2 = .012$. Gang affiliation demonstrated a small but significant main effect by accounting for up to 1-2% of the variance in the Y-LSI total score. The findings support the rejection of the null hypothesis with confidence.

Pooled means. Offenders without any gang affiliation (Appendix M12) displayed a pooled mean of 19.33, while gang-affiliated offenders (Appendix M13) displayed a pooled mean of 23.66, showing a difference in the pooled means of ± 4.33 . The results support the argument that gang-affiliated offenders are a higher-risk group compared to offenders with no-gang affiliation, where the pooled means for those with gang affiliation place them in the high-risk category (23-34), while the pooled means of offenders without gang affiliation place them at moderate-risk (9-22).

Offence type new. Although one-tailed tests for offence type new failed to achieve significance overall, it was significant in imputations 1, 2, 3, and 8. The lowest (insignificant) findings include: $F(5, 1668) = 1.383$, $p = 0.246$, $\eta^2 = .002$; while a significant finding demonstrated the following:

$F(3, 1668) = 3.756, p = 0.011, \eta^2 = .007$. Given that the homogeneity of variance was not violated for offence type new, and the inconsistent findings, the null hypothesis for offence type is retained with confidence, which states that the mean of YLS/CMI total score for offence type is equivalent between offender categories.

Pooled means. The pooled means for different offence categories showed that minor offence (Appendix M14) had a pooled mean of 18, drug crimes (Appendix M15) had a pooled mean of 19.19, property crimes (Appendix M16) had a pooled mean of 19.90, and violent offenders (Appendix M17) had a pooled mean of 19.90. The results of the ANOVA clearly support the null hypothesis that the mean of the YLS/CMI total score is equivalent between different offence types.

Multivariate Analysis of Variance. A Multivariate Analysis of Variance (MANOVA) was conducted to examine mean differences in the eight subscales of the YLS/CMI across gender, race, Hispanic origin, child service history, gang affiliation, and offence type categories. The full results for multivariate analysis can be found in Appendix Q. Overall, significant results were found for gender, race, child service history, gang affiliation, and offence type. Hispanic origin failed to reach significance in any imputation level.

Table 4.46 provides a summary of the multivariate results on the lowest and highest values for Pillai's Trace Criterion for each independent variable. Overall, effect sizes were small, accounting for 1-6% of the total variance in the lowest scores, and 2-8% in the highest scores. While these effect sizes are small, they can be clinically significant where direct service providers can expect to see significant differences in risk criteria based on some of the independent variables in this study.

Table 4.46

Multivariate Analysis of Variance

Variable	Imputation	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
<u>Lowest Scores</u>						
Gender	5	8.114	8	1661	.000	.038
Race New	6	4.210	24	4989	.000	.020
Hispanic Origin	5	.573	8	1661	.801	.003
CHS	1	15.086	8	1661	.000	.068
Gang Affiliation	9	3.447	8	1661	.001	.016
Offence Type New	10	11.904	24	4989	.000	.054
<u>Highest Scores</u>						
Gender	8	9.802	8	1661	.000	.045
Race New	4	4.719	24	4989	.000	.022
Hispanic Origin	3	1.427	8	1661	.180	.007
CHS	4	18.507	8	1661	.000	.082
Gang Affiliation	1	6.304	8	1661	.000	.029
Offence Type New	9	14.673	24	4989	.000	.066

Gender. Pillai's Trace Criterion (two-tailed) was significant for gender. At its lowest, gender was significant at: $F(8, 1661) = 8.114$, $p = .000$, $\eta^2 = .038$. Gender demonstrated a significant main effect, accounting for 3-5% of the total variance on the combined central eight risk factors.

Race new. Pillai's Trace Criterion (two-tailed) was significant for race. At its lowest, race was significant at: $F(24, 4989) = 4.210$, $p = .000$, $\eta^2 = .020$. Race demonstrated a significant main effect by accounting for roughly 2% of the variance.

Hispanic origin. Pillai's Trace Criterion (two-tailed) was insignificant for Hispanic origin with $F(8, 1661) = .573$, $p = .801$, $\eta^2 = .003$ at its lowest point; and $F(8, 1661) = 1.427$, $p < .180$, partial eta squared = .007 at its highest point.

Child service history. Pillai's Trace Criterion (two-tailed) was significant for CHS. As with the univariate ANOVA, CHS produced the largest F statistics among the variables in the MANOVA. At its lowest score, CHS was significant at: $F(8, 1661) = 15.086$, $p = .000$, $\eta^2 = .068$. CHS demonstrated a significant main effect by accounting for between 6-8% of the variance explained for the combined central eight risk factors measured in the MANOVA.

Gang affiliation. Pillai's Trace Criterion (two-tailed) was significant for gang affiliation. At its lowest, gang affiliation was significant at: $F(8, 1661) = 3.447$, $p = .001$, $\eta^2 = .016$. Gang affiliation demonstrated a significant main effect where it accounted for 1-2% of the variance in the combined central eight factors measured in the MANOVA.

Offence type new. Pillai's Trace Criterion (two-tailed) was significant for offence type. At its lowest, offence type was significant at: $F(32, 6644) = 11.004$, $p = .000$, $\eta^2 = .050$. Offence type demonstrated a significant main effect by accounting for 5% of the variance in the combined central eight risk factors. It is surprising that significant results for offence type were found in the MANOVA when inconsistent results were found in the ANOVA.

Pooled Within-Cell Correlations. Pooled within-cell correlations for the lowest and highest values are available in Table 4.47. For complete results of pooled within-cell correlations by imputation, please see Appendix R. Results indicate the need to conduct stepdown analysis to determine mean differences, as there are several correlations above .30.

Table 4.47

Pooled Within Cell Correlations

	SC1 _Recode	SC2 _Recode	SC3 _Recode	SC4 _Recode	SC5 _Recode	SC6 _Recode	SC7 _Recode	SC8 _Recode
<u>Lowest Scores</u>								
SC1_Recode	.55466							
SC2_Recode	.33170	.48588						
SC3_Recode	.23431	.32612	.56769					
SC4_Recode	.28048	.27193	.27907	.37415				
SC5_Recode	.39223	.25473	.22539	.32954	.63505			
SC6_Recode	.00727	-.00112	.02951	.00152	-.00316	.25453		
SC7_Recode	.23277	.39404	.41278	.23428	.19203	.00012	.52550	
SC8_Recode	.16108	.32363	.24792	.28866	.10956	-.00015	.47228	.51838
<u>Highest Scores</u>								
SC1_Recode	.55855							
SC2_Recode	.34764	.49263						
SC3_Recode	.26373	.35282	.57533					
SC4_Recode	.29844	.28879	.29759	.38090				
SC5_Recode	.40890	.27479	.24510	.33754	.64197			
SC6_Recode	.03289	.02346	.05668	.01721	-.02446	.26153		
SC7_Recode	.25091	.41191	.42769	.25645	.20510	-.02671	.53360	
SC8_Recode	.18618	.34093	.26161	.30498	.12236	.02764	.48750	.52442

Roy-Bargman Stepdown Analysis. To determine which independent variables accounted for significant differences in the mean of each of the dependent variables of the MANOVA reported above, a Roy-Bargman Stepdown Analysis was conducted. Order of importance of the dependent variables is important in stepdown analysis, which can be based on theoretical importance (modelling) or based on obtained univariate F-values (Tabachnick & Fidell, 2007). This study chose to use theoretical importance, indicating the order of highest to lowest importance, as stated by Andrews and Bonta (2015, p. 307): criminal history (SC1), anti-social/criminal peers (SC4), anti-social behavior (SC7), anti-social attitudes/cognitions (SC8), family problems (SC2), education and employment (SC3), substance abuse (SC5), and leisure and recreation time (SC6). While anti-social peers has higher predictive validity in the table referred to by Andrews and Bonta (2015, p. 307), criminal history is given greater priority in stepdown analysis, as it is the single static component, and the authors of the LS scales have argued that past behavior is one of the strongest predictors of future behavior (Andrews & Bonta, 2010; Andrews, Bonta & Wormith, 2004).

Homogeneity of Regression Tests. Testing for homogeneity of regression is essential in stepdown analysis to determine if covariate by dependent variable slopes are equal across all cells in an independent variable. A violation of homogeneity of regression is significant at $p < .025$ (the same as the ANOVA/MANOVA) for covariate by independent variable interactions. In the stepdown analysis in each model after the first, the previous dependent variable(s) serve as covariate(s). If a covariate does not pass the homogeneity of regression check in every imputation, it is not included in stepdown analysis. Eight models were tested in order of importance for the dependent variables (SC1-8).

Model 1. SC1 (prior and current offences) served as the DV in an ANOVA as the starting point for testing the assumption of homogeneity of regression slopes. Table 4.48 demonstrates the highest and lowest values for the ANOVA, and that significant F-values were found for gender, race, CHS, gang affiliation, and offence type. However, as with the bivariate ANOVA conducted on the YLS/CMI Tootal Score, Hispanic origin failed to produce significant F-values with SC1. Overall, SC1 appears to be an important factor related to gender, race, CHS, gang affiliation, and offence type.

Table 4.48

Analysis of Variance for SC1

Variable	Imputation	F	Sig.
	<u>Lowest</u>		
Gender	2	7.44	.002
Race New	10	25.39	.000
Hispanic Origin	9	.19	.661
Child Service History	10	59.97	.000
Gang Affiliation	9	6.71	.010
Offence Type New	8	18.41	.000
	<u>Highest</u>		
Gender	8	9.63	.002
Race New	4	28.22	.000
Hispanic Origin	3	2.30	.129
Child Service History	2	78.30	.000
Gang Affiliation	1	20.74	.000
Offence Type New	5	28.75	.000

Model 2. SC4 (anti-social peers) served as the DV, with SC1 serving as a covariate in the model. Table 4.49 demonstrates that significant interactions were found between the covariate SC1 and offence type, as well as for CHS and gang affiliation²⁴. This resulted in these three variables being removed from this step in the analysis. See Appendix S2.

²⁴ Only for imputation 6. No other significant interactions were found in the other imputations.

Table 4.49

Homogeneity of Regression Model 2

Interaction	DF	F	Sig. of F	Imputation
		<u>Lowest</u>		
SC1 * Offence Type New	3/1657	15.06	.000	3
SC1 * CHS	1/1657	5.50	.019	6
SC1 * Gang Affiliation	1/1657	5378	.016	6
		<u>Highest</u>		
SC1 * Offence Type New	3/1657	19.65	.000	9
SC1 * CHS	1/1657	6.11	.014	8

Model 3. SC7 (anti-social behaviours) served as the DV in the model, with SC1 and SC4 serving as covariates. Table 4.50 demonstrates that significant interactions were found between the covariate SC4 and CHS, resulting in CHS being removed from this step in the analysis. See Appendix S3.

Table 4.50

Homogeneity of Regression Model 3

Interaction	DF	F	Sig. of F	Imputation
		<u>Lowest</u>		
SC4 * CHS	1/1657	5.36	.021	7
		<u>Highest</u>		
SC4 * CHS	1/1657	8.35	.009	4

Model 4. SC8 (anti-social attitudes) served as the DV in the model, with SC1, SC4 and SC7 serving as covariates. Table 4.51 demonstrates that significant interactions were found between SC1 and offence type, and gender. Significant interactions were also found between SC7 and gender, as well as gang affiliation (only in imputation 2). Because of the interactions, offence type, gender, and gang affiliation were removed from this step in the analysis. See Appendix S4.

Table 4.51

Homogeneity of Regression Model 4

Interaction	DF	F	Sig. of F	Imputation
<u>Lowest</u>				
SC1 * Offence Type New	3/1657	3.36	.018	7
SC1 * Gender	1/1657	5.27	.022	10
SC7 * Gender	1/1657	5.07	.025	6
SC7 * Gang Affiliation	1/1657	6.12	.013	2
<u>Highest</u>				
SC1 * Offence Type New	3/1657	4.48	.004	2
SC1 * Gender	1/1657	8.92	.003	5
SC7 * Gender	1/1657	5.23	.022	4

Model 5. SC2 (family) served as the DV in the model, with SC1, SC4, SC7, and SC8 serving as covariates. Table 4.52 demonstrates that significant interactions were found between SC1 and offence type, and CHS; with other significant interactions were observed between SC4 and offence type, CHS, and race. Other significant interactions were found between SC7 and offence type, and race; while SC8 (covariate) was found to have significant interactions with offence type, and CHS. Due to the significant interactions, offence type, CHS, and race were removed from this step of the analysis. See Appendix S5.

Table 4.52

Homogeneity of Regression Model 5

Interaction	DF	F	Sig. of F	Imputation
<u>Lowest</u>				
SC1 * Offence Type New	3/1657	3.59	.013	10
SC1 * CHS	1/1657	9.51	.002	3
SC4 * Offence Type New	3/1657	3.50	.015	1
SC4 * CHS	1/1657	5.25	.022	9
SC4 * Race New	3/1657	3.55	.014	5
SC7 * Offence Type New	3/1657	3.35	.018	2
SC7 * Race New	3/1657	3.27	.021	10
SC8 * Offence Type New	3/1657	3.17	.023	9
SC8 * CHS	1/1657	5.72	.017	2
<u>Highest</u>				
SC1 * Offence Type New	3/1657	4.37	.005	8
SC1 * CHS	1/1657	18.93	.000	1
SC4 * CHS	1/1657	6.58	.010	4

Interaction	DF	F	Sig. of F	Imputation
SC7 * Offence Type New	3/1657	6.07	.000	4
SC7 * Race New	3/1657	4.17	.006	5
SC8 * Offence Type New	3/1657	5.49	.001	4
SC8 * CHS	1/1657	13.17	.000	9

Model 6. SC3 (education/employment) served as the DV in the model, with SC1, SC4, SC7, SC8, and SC2 serving as covariates. Table 4.53 demonstrates significant interactions found for SC1 with offence type, and Hispanic origin; as well as between SC4 and offence type, and race. Additional interactions were also found between SC7 and offence type, and race; as well as between SC2 and offence type, and race. Because of the significant interactions found, offence type, Hispanic origin, CHS, and race were all removed from this step of the analysis. See Appendix S6.

Table 4.53

Homogeneity of Regressions Model 6

Interaction	DF	F	Sig. of F	Imputation
<u>Lowest</u>				
SC1 * Offence Type New	3/1657	3.39	.017	6
SC1 * Hispanic Origin	1/1657	5.34	.021	1
SC4 * Offence Type New	3/1657	3.92	.008	7
SC4 * Race New	3/1657	3.25	.021	7
SC7 * Offence Type New	3/1657	4.17	.006	8
SC7 * Race New	3/1657	3.12	.025	4
SC2 * Offence Type New	3/1657	3.65	.012	4
SC2 * CHS	1/1657	5.14	.024	5
SC2 * Race New	3/1657	3.11	.025	4
<u>Highest</u>				
SC1 * Offence Type New	3/1657	3.61	.013	8
SC1 * Hispanic Origin	1/1657	6.54	.011	2
SC4 * Offence Type New	3/1657	4.97	.002	4
SC4 * Race New	3/1657	3.92	.008	4
SC7 * Race New	3/1657	3.72	.011	2
SC2 * CHS	1/1657	7.16	.008	3
SC2 * Race New	3/1657	3.74	.011	2

Model 7. SC5 (substance abuse) served as the DV in the model, with SC1, SC4, SC7, SC8, SC2, and SC3 serving as covariates. As demonstrated in Table 4.54, significant interactions were found between SC1 and offence type, Hispanic origin, race; with other significant interactions found for SC4 and gang affiliation, and race. Additional interactions were also found between SC7 and gender (imputation 5 only), as well as between SC8 and offence type, CHS, and race. Significant interactions were also observed for SC2 and offence type, and Hispanic origin; with other interactions found SC3 and offence type. Because of the significant amount of interactions found in model 6 between the covariates and independent variables, model 6 could not be calculated in stepdown analysis, as every independent variable was removed from the analysis. See Appendix S7.

Table 4.54

Homogeneity of Regression Model 7

Interaction	DF	F	Sig. of F	Imputation
<u>Lowest</u>				
SC1 * Offence Type New	3/1657	6.12	.000	5
SC1 * Hispanic Origin	1/1657	5.92	.015	3
SC1 * Race New	3/1657	7.49	.000	8
SC4 * Gang Affiliation	1/1657	5.08	.024	8
SC4 * Race New	3/1657	3.27	.021	5
SC7 * Gender	1/1657	5.36	.021	5
SC8 * Offence Type New	3/1657	3.12	.025	1
SC8 * CHS	1/1657	5.72	.017	9
SC8 * Race New	3/1657	3.23	.022	5
SC2 * Offence Type New	3/1657	3.11	.025	3
SC2 * Hispanic Origin	1/1657	5.01	.025	3
SC3 * Offence Type New	3/1657	5.06	.002	8
<u>Highest</u>				
SC1 * Offence Type New	3/1657	8.80	.000	10
SC1 * Hispanic Origin	1/1657	9.53	.002	9
SC1 * Race New	3/1657	8.63	.000	9
SC4 * Gang Affiliation	1/1657	6.66	.010	7
SC4 * Race New	3/1657	3.83	.009	9
SC8 * Offence Type New	3/1657	3.52	.015	3
SC8 * CHS	1/1657	7.58	.006	4
SC8 * Race New	3/1657	3.25	.021	7
SC2 * Offence Type New	3/1657	4.65	.003	10
SC2 * Hispanic Origin	1/1657	9.45	.002	8
SC3 * Offence Type New	3/1657	6.54	.000	6

Model 8. SC6 (leisure/recreation) served as the DV in the model, with SC1, SC4, SC7, SC8, SC2, SC3, and SC5 serving as covariates. Table 4.55 demonstrates that significant interactions were found between SC1 and offence type, as well as between SC7 and SC2 with CHS; and between SC3 and gender (only in imputation 3). Because of the significant interactions found in the model for offence type, CHS, and gender, they were removed from this step of the analysis. See Appendix S8.

Table 4.55

Homogeneity of Regression Model 8

Interaction	DF	F	Sig. of F	Imputation
<u>Lowest</u>				
SC1 * Offence Type New	3/1657	3.11	.025	9
SC7 * CHS	1/1657	5.47	.020	9
SC2 * CHS	1/1657	5.30	.021	3
SC3 * Gender	1/1657	5.21	.023	3
<u>Highest</u>				
SC1 * Offence Type New	3/1657	4.24	.005	7
SC7 * CHS	1/1657	7.50	.006	3
SC2 * CHS	1/1657	9.64	.002	9

Findings for Stepdown Analysis. Complete findings for Roy-Bargman Stepdown Analysis are available in Appendix T. In text, results for the Roy-Bargman Stepdown Analysis are available in Table 4.56 which reports on the lowest and highest values based on the stepdown F value, as it is the primary interest in this part of the analysis, rather than focusing on the univariate F value. Significance is determined at $p < .003$.

Model 1. As the first step in the analysis all the independent variables, including gender, race, Hispanic origin, CHS, gang affiliation, and offence type entered the model. The results of the full model found that SC1 was important for explaining the effects of offence type, CHS, and race in the MANOVA, all of which displayed significant univariate and stepdown F values. Hispanic origin, gang affiliation, and gender were found to be insignificant.

Offence type demonstrated a significant univariate/stepdown F (18.4088, 3/1668), $p = .000$ at the lowest score. CHS demonstrated a significant univariate/stepdown F (59.9718, 1/1668), $p = .000$ at the lowest score. Race demonstrated a significant univariate/stepdown F (25.3929, 3/1668), $p = .000$ at the lowest score.

Hispanic origin failed to reach significance at the lowest ($p = .479$), or the highest ($p = .129$) F-values for univariate or stepdown analysis. Gang affiliation ($p = .010$), and gender ($p = .006$) produced insignificant F-values at their lowest imputation scores. However, both gang affiliation ($p = .000$) and gender ($p = .002$) did manage to achieve significance at their highest imputation scores, demonstrating that statistical power may have been an issue in the analysis, or imputed scores may have been higher in different imputations, resulting in significant findings. While the results for gender and gang affiliation are considered insignificant overall in model 1, they should not be dismissed outright, and may warrant further investigation in future research.

Model 2. The independent variables of Hispanic origin, race, and gender did not reach significance in the lowest or highest values for the dependent variable, SC4. Hispanic origin was insignificant for both univariate F ($p = .706$) and stepdown F ($p = .989$) at the lowest values; as well as univariate F ($p = .154$) and stepdown F ($p = .217$) at the highest values. Gender was also insignificant with both univariate F ($p = .729$), and stepdown F ($p = .233$) at the lowest scores. Race demonstrated a significant univariate F value for both the lowest and highest scores ($p = .000$ for both); with an insignificant stepdown F at the lowest ($p = .255$) and highest ($p = .112$) scores. Described above, this would mean that a confounding variable is causing an inflation in the univariate F scores, but has no effect in the stepdown F, which controls for other factors, and as such it is not considered to be significant.

Model 3. Results for model 3 demonstrate that SC7 was important for explaining the effects of offence type and gender by demonstrating significant univariate and stepdown F values. However, SC7 was not significant for gang affiliation, Hispanic origin, and race.

At the lowest score, offence type demonstrated a significant univariate value: $F(15.5373, 3/1666)$, $p = .000$, and a significant stepdown value: $F(25.3003, 3/1666)$, $p = .000$. Gender demonstrated a significant univariate value: $F(35.4095, 1/1666)$, $p = .000$, and a significant stepdown value: $F(44.2019, 1/1666)$, $p = .000$ in the lowest scores. Gang affiliation demonstrated significant univariate F values at the lowest ($p = .001$) and highest ($p = .000$) scores, with insignificant stepdown F values at the lowest ($p = .012$) and highest ($p = .004$) scores. This means that confounding variables may be inflating univariate F values for gang affiliation. Hispanic origin was insignificant for both the lowest ($p = .951$) and highest ($p = .215$) univariate F scores, as well as the lowest ($p = .754$) and highest ($p = .426$) stepdown F scores. Race was insignificant at the lowest ($p = .976$) and highest ($p = .844$) univariate F scores, as well as the lowest ($p = .167$) and highest ($p = .137$) stepdown F scores.

Model 4. The results of model 4 demonstrated that SC8 failed to reach significance for any of the IV's in the stepdown analysis, including CHS, Hispanic Origin, and race. CHS demonstrated significant univariate values at the lowest scores: $F(20.6788, 1/1665)$, $p = .000$, and at the highest scores: $F(42.4628, 1/1665)$, $p = .000$; however stepdown was insignificant at the lowest scores: $F(.0000, 1/1665)$, $p = .999$, and at the highest scores: $F(3.8700, 1/1665)$, $p = .049$. This would indicate that a confounding variable is present, inflating univariate F values. Hispanic origin failed to reach significance for either univariate ($p = .897/.205$) or stepdown analysis ($p = .820/.575$) at both the lowest and highest values. Race failed to reach significance for either univariate ($p = .420/.186$) or stepdown analysis ($p = .044/.023$) at both the lowest and highest values.

Model 5. The results of model 5 demonstrate that SC2 was important in explaining the effects of gender in the MANOVA. Gender demonstrated a significant univariate $F(25.5513, 1/1664)$, $p = .000$, and significant stepdown $F(44.2019, 1/1664)$, $p = .000$ at the lowest scores, demonstrating that SC2 was a significant contributing factor to mean differences in the YLS/CMI composite score in the MANOVA.

Unlike gender, SC2 was insignificant for gang affiliation indicated by the univariate $F(p = .123)$ and stepdown $F(p = .539)$ values at the lowest and highest scores. SC2 was also insignificant for Hispanic origin, demonstrating insignificant univariate $F(p = .207)$ and stepdown $F(p = .320)$ values for both the lowest and highest scores.

Model 6. Results for model 6 were insignificant for all the IV's entered into the model. SC3 was insignificant for gang affiliation. For gang affiliation demonstrated a significant univariate- $F(10.7265, 1/1663)$, $p = .001$, with an insignificant stepdown- $F(1.1968, 1/1663)$, $p = .274$. This would indicate that a confounding variable is inflating univariate- F scores for gang members.

Gender displayed an insignificant univariate- $F(.0000, 1/1663)$, $p = .994$, with an insignificant stepdown- $F(8.0960, 1/1663)$, $p = .004$ for the lowest scores. However, in the highest score for gender, an insignificant univariate- $F(.4369, 1/1663)$, $p = .509$ was found, with a significant stepdown- $F(12.2836, 1/1663)$, $p = .000$. While results for gender are considered insignificant overall for this model, there are indications of negative confounding variables, and that when other risk factors are controlled for, SC3 (education/employment) becomes a significant contributing factor for the YLS/CMI composite score.

Model 7. As there were a significant number of interactions between covariates and all the independent variables in model 7, stepdown analysis for SC5 could not be completed.

Model 8. Results for model 8 indicate that SC6 was insignificant for all variables, including gang affiliation ($p = .929/.948$), Hispanic origin ($p = .860/.830$), and race ($p = .042/.032$) for their respective univariate and stepdown F scores in the lowest scores. However, race did manage to reach significance for the highest scores, demonstrating an insignificant univariate-F (4.0425, 3/1661) $p = .007$, with a significant stepdown-F (4.589, 3/1663), $p < .003$. While results for race are overall insignificant in this model, they should not be dismissed completely. Statistical power may have been an issue where higher raw scores may have been imputed for the DV, or greater numbers for some categories within the race variable itself. Further study on the connection between racial differences and access to leisure/recreation is warranted.

Table 4.56

Roy-Bargman Stepdown Analysis

IV	DV	Univariate F	Sig.	Stepdown F	DF	Sig.	Imp.
		<u>Lowest Scores</u>					
Offence Type	SC1_ Recode	18.4088	.000	18.4088	3/1668	.000	8
	SC4_ Recode *	15.5373	.000	25.3003	3/1666	.000	10
	SC7_ Recode						
	SC8_ Recode *						
	SC2_ Recode *						
	SC3_ Recode *						
	SC5_ Recode *						
	SC6_ Recode*						
	SC1_ Recode	6.7115	.010	6.7115	1/1668	.010	9
	SC4_ Recode *	10.5034	.001	6.3735	1/1666	.012	4
Gang Affiliation	SC8_ Recode *						
	SC2_ Recode	2.3825	.123	.3784	1/1664	.539	4

IV	DV	Univariate F	Sig.	Stepdown F	DF	Sig.	Imp.
Child Service History	SC3_ Recode	10.7265	.001	1.1968	1/1663	.274	10
	SC5_ Recode *						
	SC6_ Recode	.0079	.929	.0042	1/1661	.948	4
	SC1_ Recode	59.9718	.000	59.9718	1/1668	.000	10
	SC4_ Recode *						
	SC7_ Recode *						
	SC8_ Recode	20.6788	.000	.0000	1/1665	.999	1
	SC2_ Recode *						
	SC3_ Recode *						
	SC5_ Recode *						
Hispanic Origin	SC6_ Recode*						
	SC1_ Recode	.19219	.661	.19219	1/1668	.661	5
	SC4_ Recode	.14277	.706	.0020	1/1667	.989	2
	SC7_ Recode	.00385	.951	.09803	1/1666	.754	10
	SC8_ Recode	.01676	.897	.01676	1/1665	.820	9
	SC2_ Recode	1.5914	.207	.99128	1/1664	.320	10
	SC3_ Recode *						
	SC5_ Recode *						
	SC6_ Recode	.03126	.860	.04637	1/1661	.830	2
Race	SC1_ Recode	25.3929	.000	25.3929	3/1668	.000	9
	SC4_ Recode	6.5344	.000	1.3557	3/1667	.255	9
	SC7_ Recode	.06980	.976	1.691	3/1666	.167	7
	SC8_ Recode	.9403	.420	2.7000	3/1665	.044	6
	SC2_ Recode *						
	SC3_ Recode *						
	SC5_ Recode *						

IV	DV	Univariate F	Sig.	Stepdown F	DF	Sig.	Imp.
Gender	Recode * SC6_ Recode	2.7477	.042	2.9313	3/1661	.032	2
	SC1_ Recode	7.4434	.006	7.4434	1/1668	.006	2
	SC4_ Recode	.1200	.729	1.422	1/1667	.233	2
	SC7_ Recode	35.4095	.000	44.2019	1/1666	.000	8
	SC8_ Recode *						
	SC2_ Recode	24.5513	.000	15.1047	1/1664	.000	4
	SC3_ Recode	.0000	.994	8.0960	1/1663	.004	7
	SC5_ Recode *						
	SC6_ Recode*						
<u>Highest Scores</u>							
Offence Type	SC1_ Recode	28.746	.000	28.746	3/1668	.000	5
	SC4_ Recode *						
	SC7_ Recode	20.5210	.000	28.3900	3/1666	.000	8
	SC8_ Recode *						
	SC2_ Recode *						
Gang Affiliation	SC3_ Recode *						
	SC5_ Recode *						
	SC6_ Recode*						
	SC1_ Recode	20.7363	.000	20.7363	1/1668	.000	1
	SC4_ Recode *						
	SC7_ Recode	18.4258	.000	8.3540	1/1666	.004	7
	SC8_ Recode *						
	SC2_ Recode	4.7023	.030	.0014	1/1664	.970	2
	SC3_ Recode	15.2237	.000	6.060	1/1663	.014	3
	SC5_ Recode *						
	SC6_ Recode *	1.1465	.284	1.3961	1/1661	.238	10

IV	DV	Univariate F	Sig.	Stepdown F	DF	Sig.	Imp.
Child Service History	Recode SC1_	78.3011	.000	78.3011	1/1668	.000	2
	Recode SC4_						
	Recode *						
	Recode *						
	Recode SC8_	42.4628	.000	3.8700	1/1665	.049	4
	Recode SC2_						
	Recode *						
	Recode *						
	Recode *						
	Recode *						
	Recode *						
Hispanic Origin	Recode SC1_	2.3041	.129	2.3041	1/1668	.129	3
	Recode SC4_	2.0380	.154	1.5239	1/1667	.217	6
	Recode SC7_	1.5362	.215	.6353	1/1666	.426	7
	Recode SC8_	1.6094	.205	.3139	1/1665	.575	7
	Recode SC2_	4.7704	.029	2.9015	1/1664	.089	3
	Recode SC3_						
	Recode *						
	Recode *						
	Recode *						
	Recode *						
	Recode *						
Race	Recode SC6_	1.4508	.229	1.7386	1/1661	.187	6
	Recode SC1_	28.219	.000	28.219	1/1668	.000	4
	Recode SC4_	7.872	.000	1.9998	3/1667	.112	1
	Recode SC7_	.2739	.844	1.8469	3/1666	.137	10
	Recode SC8_	1.6064	.186	3.1924	3/1665	.023	5
	Recode SC2_						
	Recode *						
	Recode *						
	Recode *						
	Recode *						
	Recode *						
Gender	Recode SC6_	4.0425	.007	4.589	3/1661	.003	9
	Recode SC1_	9.6296	.002	9.6296	1/1668	.002	8
	Recode SC4_	.9376	.333	3.4673	1/1667	.063	7
	Recode SC7_	42.8618	.000	52.1084	1/1666	.000	4
	Recode						

IV	DV	Univariate F	Sig.	Stepdown F	DF	Sig.	Imp.
	SC8_ Recode *						
	SC2_ Recode	36.4730	.000	27.4856	1/1664	.000	2
	SC3_ Recode	.4369	.509	12.2836	1/1663	.000	8
	SC5_ Recode *						
	SC6_ Recode*						

* Cannot be calculated due to violations in homogeneity of regression

Adjusted Marginal Means. Complete results for the adjusted marginal means are available in Appendix U1 through Appendix U4. The means are adjusted according to covariates in the model to provide an indication of mean differences for a target dependent variable while simultaneously controlling for other dependent variables. In text, the pooled adjusted mean is reported for each group where statistical significance was reached in the stepdown analysis.

Gender. Female offenders demonstrated a higher criminogenic need on the personality/behavior dimension (SC7_Recode) with a pooled mean of 1.429 (SE = .031) compared to males, who demonstrated a lower pooled mean of 1.229 (SE = .020). Female offenders also demonstrated a higher criminogenic need on family circumstances (SC2_Recode) with a pooled mean of 1.358 (SE = .027), compared to the lower pooled mean of 1.197 (SE = .015) for males. While the results of SC7_Recode would support the idea of part of the “Big Four” being suitable criminogenic needs for females, results for SC2_Recode indicate that females have a higher criminogenic need on family circumstances compared to males, which would support a feminist criminology point of view regarding gendered pathways for criminal involvement (Carns and Matin, 2011; Hannah-Moffat, 2009; Palmer, Jinks & Hatcher, 2010 Salisbury et al, 2009; Salisbury & Van Hoorhis, 2009; Salisbury, Van Voorhis & Spiropoulos, 2009; Vitapoulos, Peterson-Badali & Skilling, 2012).

Race. For SC1, black offenders demonstrated a pooled mean of 1.150 (SE = .031), while white offenders demonstrated a lower pooled mean of .909 (SE = .023), bi-racial offenders demonstrated the highest pooled mean of 1.267 (SE = .122), and “other” racial offenders demonstrated a pooled mean of 1.139 (SE = .101). Post-hoc comparisons for the adjusted means of SC1_Recode are conducted below for a more thorough analysis of the mean differences between the four racial groups in this study.

Post-hoc testing for race new. Complete results for the Scheffe test can be found in Appendix V. Post-hoc tests were conducted using the adjusted marginal means of SC1_Recode to compared multiple racial groups. The only consistent results across all imputations were comparisons between black and white offenders. As demonstrated in Table 4.57, black offenders consistently had greater criminal histories (SC1_Recode score) than white offenders. See Appendix S for complete results.

Table 4.57

Scheffe Test: SC1 by Race

Group (i)	Comparison Group (j)	Mean (i)	Mean (j)	Mean difference (i-j)	Scheffe Test	Imp.
<u>Lowest Score</u>						
Black	White	1.142	.920	.222	.0502	9
<u>Highest Score</u>						
Black	White	1.168	.914	.254	.0660	8

Child service history. Offenders with a history of child service involvement (CHS) demonstrated a higher pooled mean of 1.221 (SE = .046) for SC1_Recode compared to offenders without such history (1.012, SE = .045).

Offence type. For SC1_Recode, minor offences had a pooled adjusted mean of .898 (SE = .073), drug crimes demonstrated a pooled adjusted mean of 1.195 (SE = .061), property crimes demonstrated a pooled adjusted mean of 1.271 (SE = .044), and violent crimes demonstrated a

pooled adjusted mean of 1.102 (SE = .045). For SC7_Recode (personality/behavior), minor offences had a pooled adjusted mean of 1.271 (SE = .047), drug crimes had a pooled mean of 1.185 (SE = .047), property crimes had a pooled mean of 1.356 (SE = .023), and violent crime had a pooled mean of 1.505 (SE = .025).

While these numbers may appear of little consequence to a professional that works with the LS scales, what the trend in the data for criminal history (SC1_Recode) shows is that property crimes appear to have greater means when compared with minor crimes, and drug crimes. However, the notable exception here is that violent crime had a lower mean than both drug crimes and property crimes. This may support the notion that the LS scales are a better fit for general crime than for violent crime. For the personality/behavior dimension (SC7_Recode), the resulting pooled means appear to be lower for less serious forms of crime (minor offences, drug crimes) compared to more prolific or serious forms of crime (property crime, violent crime, respectively).

Post-hoc testing for offence type new. Complete results for the Scheffe test can be found in Appendix V. Post-hoc comparisons were conducted on SC1_Recode, and SC7_Recode using the adjusted marginal means to conduct a more thorough comparison between multiple groups.

Results for SC1_Recode are found in Table 4.58. The results of the Scheffe test indicate offenders with convictions for drug crimes having greater criminal histories than those convicted of minor crimes; and those convicted of property crimes had greater criminal histories than those convicted of violent crime. See Appendix S for complete results. As the MANOVA for SC1_Recode was found to be conservative, the results indicate that it made a significant contribution to mean differences found in the YLS/CMI composite score in the MANOVA.

Table 4.58

Scheffe Test: SC1 by Offence Type

Group (i)	Comparison Group (j)	Mean (i)	Mean (j)	Mean Difference (i-j)	Scheffe Test	Imp.
<u>Lowest Score</u>						
Drug Crime	Minor Offence	1.181	.966	.215	.2036	8
Property Crime	Violent Crime	1.266	1.122	.144	.0599	6
<u>Highest Score</u>						
Drug Crime	Minor Offence	1.230	.858	.372	.2935	9
Property Crime	Violent Crime	1.295	1.105	.19	.0772	4

Results for SC7_Recode found in Table 4.59 demonstrate that violent offenders had greater scores for personality/behavior needs compared with any other offence category; and those convicted of property crimes demonstrated greater needs on personality/behaviour compared with those convicted of drug crimes. As the MANOVA for SC7_Recode was found to be conservative, the results indicate that it made a significant contribution to mean differences found in the YLS/CMI composite score in the MANOVA.

Table 4.59

Scheffe Test: SC7 by Offence Type

Group (i)	Comparison Group (j)	Mean (i)	Mean (j)	Mean Difference (i-j)	Scheffe Test	Imp.
<u>Lowest Score</u>						
Violent Crime	Minor Crime	1.504	1.288	.215	.1420	5
	Drug Crime	1.503	1.214	.289	.1122	10
	Property Crime	1.498	1.362	.136	.0559	2
Property Crime	Drug Crime	1.345	1.214	.132	.1026	10
<u>Highest Score</u>						
Violent Crime	Minor Crime	1.507	1.235	.272	.1587	8
	Drug Crime	1.502	1.158	.344	.1421	7
	Property Crime	1.510	1.347	.163	.0530	9
Property Crime	Drug Crime	1.362	1.157	.205	.1360	2

Conclusions

This section concludes the results for the hypothesis for both the ANOVA and MANOVA. While some of the hypotheses are rejected or retained with confidence, other results should be interpreted with caution due to violations in homogeneity of variance, and homogeneity of variance-covariance matrices.

ANOVA. Overall, significant results for mean differences in the YLS/CMI total score were found for gender, child service history, and gang affiliation. While the null hypothesis can be rejected with confidence for gender, child service history, and gang affiliation, results for race which may have been too liberal, only partially support its rejection, so it was best to retain the null hypothesis. Insignificant results were also observed for Hispanic origin, and offence type.

Gender. Results for gender indicate that the YLS/CMI total score was significantly different for male and female offenders, which supports the hypothesis (two-tailed). The data show a mean difference of +/-1.52 between male and female offenders, with a reported effect size of less than 1% across imputations. While this may appear clinically insignificant, it does support the need for analysis of the subcomponents to determine which contribute to mean difference in the YLS/CMI composite score in the MANOVA.

Race new. Although there was increased risk of Type-I error, the bivariate ANOVA reached significance for race new ($p < .021$), rejecting the null hypothesis that the YLS/CMI total score is equivalent among racial groups of black, white, bi-racial, and “other” offenders. However, results from the Tukey-HSD produced very small mean differences, with black offenders displaying a higher mean for the YLS/CMI total score between +1.59 (lowest score) to +1.79 (highest score) compared to white offenders only. Further study with larger groups of racial minorities is required to completely understand if the mean differences observed are from the effects of race, or a

combination of confounding variables not controlled.

Hispanic origin. The current study did not find any support for the hypothesis for mean differences in the YLS/CMI total score comparing Hispanic and non-Hispanic offenders. However, the null hypothesis is retained with caution, as the larger variances associated with the larger sample of non-Hispanic offenders can be associated with an increased risk of Type-II error.

Child service history. Results for CHS indicate that the means of offenders with a child service history, and those without a child service history for the YLS/CMI total score are significantly different, displaying a mean difference of ± 3.99 . This is a significant difference in the mean, comparing the two groups, and one that could place those with a history of child service involvement into a higher risk category than those without such a history.

Gang affiliation. Results demonstrated that gang-affiliated offenders had significantly higher mean scores than other offenders. Those with a gang affiliation had a higher mean of $+4.33$ compared to offenders with no gang affiliation. This difference is quite large, which could place gang members into a different risk category than other offenders. Like the other significant differences found in this study, the effect sizes may be underestimated, as those with gang affiliation had smaller variances associated with smaller cell sizes.

Offence type. Results for the bivariate ANOVA failed to reach significance for offence type, thereby retaining the null hypothesis that the YLS/CMI total score is equivalent between different offence types.

MANOVA. Multivariate analysis of variance, with Roy-Bargmann stepdown analysis produced a few significant findings for SC1_Recode, SC2_Recode, and SC7_Recode when comparing categories of gender, race, child service history, and offence type. It is worth noting that both the MANOVA, and Roy-Bargmann stepdown analysis used conservative alpha levels of

$p < .025$, and $p < .003$, respectively, making the results highly stringent, and robust to violations of the statistical assumptions, including homogeneity of variance-covariance matrices.

Gender. Pillai's Trace Criterion was significant for gender in the MANOVA ($p = .000$). The hypothesis (two-tailed) for gender posits that significant differences would be found in the central eight subcomponents of the YLS/CMI between male and female offenders. Roy-Bargmann Stepdown analysis revealed significant findings for SC2_Recode with $p = .000$ (family circumstances/parenting), and SC7_Recode (personality/behavior) with $p = .000$, which support the rejection of the null hypothesis, which states that the central eight risk factors were equivalent for men and women. It is worth noting that due to heterogeneity of the variance-covariance matrices, estimates may be too liberal. However, Pillai's Trace Criterion, as well as SC2_Recode and SC7_Recode were clearly significant at $p = .000$.

Race new. Pillai's Trace Criterion was significant for race in the MANOVA ($p = .000$). The hypothesis (two-tailed) for race posits that significant differences would be found in the central eight risk factors of the YLS/CMI between racial categories for black, white, bi-racial, and "other" offenders. Violations in homogeneity of variance-covariance matrices mean that estimates with any of the YLS/CMI subcomponents would be too liberal due to larger variances associated with larger cells; however, differences in SC1_Recode were clearly significant for race new at $p = .000$, which was observed across all imputations. However, post-hoc comparisons from the Scheffe test indicate that differences in the mean were only observed between black and white offenders. The results of the MANOVA support a rejection of the null hypothesis, which states that the central eight risk factors of the YLS/CMI are equivalent between racial categories.

Hispanic origin. The current study did not find any supportive evidence to suggest that mean differences exist in the central eight subcomponents of the YLS/CMI when comparing Hispanic

and non-Hispanic offenders. The null hypothesis is retained with confidence that the central eight risk factors are equivalent between Hispanic and non-Hispanic offenders.

Child service history. Results from the MANOVA and Roy-Bargmann stepdown analysis support the hypothesis that there are significant differences in the YLS/CMI subcomponents when comparing offenders with a child service history to offenders without such history. More specifically, significant mean differences were found in SC1_Recode, where offenders with a child service history displayed higher means compared to offenders without a child service history. While there is the potential for estimates to be too liberal, a value of $p = .000$ for SC1_Recode demonstrates clear significance along with Pillai's Trace Criterion ($p = .000$); and the results (two-tailed) support the rejection of the null hypothesis, which argues that the mean of the YLS/CMI total score is equivalent between offenders with a child service history, and offenders without a child service history.

Gang affiliation. While Pillai's Trace Criterion was significant for the MANOVA, Roy-Bargmann Stepdown analysis did not produce any significant results to support which of the subcomponent scores contributed to mean differences in the composite score. The null hypothesis is retained with confidence. However, there are some interesting points to keep in mind. As the higher imputation scores observed in the stepdown analysis indicate, once other factors are controlled, SC1_Recode becomes a significant contributing factor for mean differences in the composite score, and SC3_Recode and SC7_Recode both begin to approach significant Stepdown F values; while they only produced significant univariate F values at lower imputations. These trends indicate that other confounding variables may be present that are influencing the scores. As mentioned in the literature review, one of the criticisms of the LS scales is that they ignore distal factors in favor of proximal factors, and that distal factors are a central component in the risks

involved with gang affiliation (Maxson & Klein, 2006).

Offence type new. Results from the bivariate ANOVA did not produce significant mean differences for the YLS/CMI total score when comparing offence categories; however, Pillai's Trace Criterion was significant for the MANOVA, and significant mean differences were found with Roy-Bargmann Stepdown analysis. The hypothesis for the MANOVA posits that significant differences in the mean of the central eight subcomponents would be found between different offence categories. The results were limited to significant differences found for SC1_Recode and SC7_Recode. For SC1_recode, drug crimes had higher means compared to minor offences, and property crimes had higher means compared to violent crimes. However, results for SC7_Recode indicated that violent crime displayed significantly higher means compared to all other categories of crime, and property crime displayed higher means compared to only drug crimes. The results of the study support a rejection of the null hypothesis. Given that results for SC1 and SC7 would be considered conservative, results can be interpreted with confidence regarding differences found between different offence categories.

Chapter 5: Discussion

The current study was able to determine that mean differences in the YLS/CMI total score were affected by gender, race, child service history, and gang affiliation; however, Hispanic origin, and offence type did not have any effect on the YLS/CMI total score. In addition to mean differences observed in the YLS/CMI total score, the effects of gender, race, child service history, gang affiliation, and offence type produced significant mean differences in a limited number of the central eight risk factors: SC1, SC2, and SC7.

While the supportive evidence found in the current study is clearly significant in most cases, there are several considerations to keep in mind in interpreting the results. First, there are several

limitations to the validity of the current study. Second, interpretation of the results can be difficult in terms of determining differences in overall risk. Third, several comparisons of the results from the current study can be made to those of the original study by Flores, Travis and Latessa (2003), as well as to other similar studies conducted. Finally, this study concludes with a discussion on its contribution to theory, practice, and policy; as well as providing recommendations for future research.

Limitations

While the current study found supportive evidence for significant mean differences in the YLS/CMI total score and central eight subcomponents when the effects of gender, race, child service history, gang affiliation, and offence type are present; there are several threats to validity to consider.

The first limitation to consider are the threats to construct validity. These threats center around how the independent variables used in the current study were not clearly defined by Flores, Travis and Latessa (2003), and how these variables were determined. Gender was not clearly defined and appeared to be used interchangeable with biological sex. While the study by Flores, Travis, and Latessa (2003) appeared to be as racially and ethnically diverse as possible, there are no indications of how race or Hispanic origin were determined by the agency staff assigned to collect the data. Child service history was not clearly defined as referring to child welfare services, child mental health services, child disability services, or any combination of the above. Gangs were also not clearly defined in the study. Research on gang culture makes a clear distinction between street gangs, outlaw motorcycle clubs, and organized crime (Esbensen, Winfree & Taylor, 2001; Gabbidon, 2010). Also, in these organizations, large or small, there is almost always a chain of command within their ranks; with membership ranging anywhere from

being simply associated or acquainted with known gang members, to being an associate member, a striker, a full-patch member, a captain, and a leader (Esbensen, Winfree & Taylor, 2001; Gabbidon, 2010). So, in the original study, how was gang membership determined? Was it self-identified by the offenders themselves? Were these street gangs, outlaw motorcycle clubs, or organized crime? Was there a distinction between a prison gang, or a street gang? Unfortunately, this is unknown in the current study, and without a working definition of gang membership, it makes it difficult to generalize the findings to current gang populations. The last threat to construct validity is how offence types were determined. It is unclear if offence type referred to the most recent offence committed by the offender, or if it was the most severe offence; or if offenders were categorized based on a combination of crimes committed, such as an offender categorized for property crimes based on several different forms of theft, with an absence of violent theft.

The second limitation to consider are threats to internal validity. The current study is unable to control for confounding variables which threaten the internal validity of the results. Recall that one of the criticisms of the LS scales is that they focus heavily on proximal factors, while simultaneously ignoring distal factors associated with crime, such as poverty, socioeconomic status, and neighborhood orientation. Without controlling for these unknown factors associated with crime, it is difficult to say exactly if the results of the study are the result of the effects of gender, race, Hispanic origin, CHS, gang affiliation, and offence type, or some other confounding variable combination.

The third limitation of the current study are threats to statistical conclusion validity. There were several limitations that threatened the statistical conclusion validity of the current study. This included violations of some of the statistical assumptions, such as homogeneity of variance and

homogeneity of variance-covariance matrices, small sample sizes that lead to a decrease in statistical power and increased risk of Type-II error, and significant interactions between independent variables and covariates throughout the stepdown analysis.

Significant violations of homogeneity of variance, and homogeneity of variance-covariance matrices created difficulties in the study. The Levene's test was significant for race, Hispanic origin, and child service history, indicating the presence of unequal variances. While the Levene's statistics was significant, only race had the potential for increased Type-I error, while Hispanic origin had a risk of increased Type-II error, and child service history proved to be robust against both types of error. Box-M test was significant ($p < .000$) for every imputation, indicating heterogeneity of variance-covariance matrices for the MANOVA, which can be particularly problematic with large samples with many cells. Recall that in the ANOVA there is potential risk of Type-I error associated with race, and Type-II error associated with Hispanic origin and CHS; while in the MANOVA, there was potential risk of Type-I error associated with gender, race, CHS, and gang affiliation, and Type-II error for Hispanic origin. To keep the ANOVA and MANOVA robust against the potential for Type-I or Type-II error, a stringent alpha level ($\alpha = .025$) was used.

Another assumption that was particularly problematic was the violation of multivariate outliers. The presence of multivariate outliers is problematic as it makes it difficult, if not impossible, to determine which variable or combination of variables is affecting significance (Tabachnick & Fidell, 2007). Unfortunately, the only ways to deal with multivariate outliers is either through eliminating cases, eliminating variables, or transforming the data, each with their own complications. In the case of the current study, the decision was made to transform the variables using a Natural Logarithm. While this method preserves the number of cases, and by extension the

statistical power, transformations of this kind also makes it impossible to make direct generalizations between transformed scores and the original raw scores (Tabachnick & Fidell).

Tabachnick & Fidell (2007) recommend a sample of at least 100 participants in each group to maintain statistical power. This was not possible in the current study, as there were exceptionally small sample sizes for some groups, which has a significant effect on statistical power, and increased risk of Type-II error. The smallest samples included bi-racial offenders (N = 22), “Other” offenders (N = 33), and Hispanic offenders (N = 46), which helps to explain the increased risk of Type-I error for race, and the increase risk of Type-II error for Hispanic origin.

The last issues that threaten the statistical conclusion validity were the levels of interaction between independent variables and the covariates in various models of the Roy-Bargmann Stepdown analysis in the MANOVA. It can be expected that as more covariates enter the model, more interactions are detected, resulting in the removal of some of the independent variables from each model (Tabachnick & Fidell, 2007). However, the amount of interaction detected in this study had profound impacts on the study. First, most significant findings were limited to the full model, with criminal history as the dependent variable with no covariates. As soon as the covariates started to enter the stepdown in model 1, and beyond, a significant number of independent variables were removed, crippling the results in a lot of ways. Model 6, which was meant to measure substance abuse (SC5_Recode) as the dependent variable, could not even be calculated due to the sheer amount of interactions among the independent variables and the covariates. As a result, there were no findings for substance abuse throughout the entire study.

The final limitation to consider are threats to external validity. The effects of gender, race, child service history, and gang affiliation were significant for mean differences found in the YLS/CMI total score; with females, African-Americans, those with a history of child service

involvement, and gang-affiliated offenders found to be higher risk than other offenders in the sample. However, even with a large sample of offenders, and stringent alpha levels ($\alpha = .025$), significant findings from the YLS/CMI total score is difficult to generalize to offender sub-populations across settings.

While the results of the ANOVA and MANOVA can state that within this sample of offenders, the effects of gender, race, CHS, and offence type were significant for mean differences found for the YLS/CMI Total Score and a few of the subcomponents, it is difficult to generalize the results outside of the current sample with certainty.

The current study only tested for main effects within the ANOVA and MANOVA models, and as such, results for gender are limited to strict comparisons of only males and females, not allowing for interaction effects of gender and other variables in the model (e.g. race, or CHS). Meanwhile, authors such as Sapers (2011) draw our attention to the growing population of Indigenous female offenders in comparison to Caucasian females in Canada; many of whom have histories of abuse, trauma, and child service involvement.

As described above the sample upon which this study is based was not a representative sample of the state's juvenile offender population at the time the original data were collected. In addition, socio-demographic differences, national cultural differences, variations in the temporal context and variations in service systems and criminal justice systems mean that findings from this study cannot necessarily be applied to 2018 Manitoba of Canada. This would require empirical verification.

Results for race were limited to differences between black and white offenders in the United States, which may not be generalizable to all black Canadian, or all black Australian offenders. While African-Americans are among the most marginalized and overrepresented groups in both

criminal justice and child welfare in the United States (BOJ, 2015; Children's Bureau, 2015; FBI, 2016; Whiteacre, 2006; Williams, Van Dorn, Bright, Johnson-Reid & Nebbitt, 2010), the same trend is not necessarily true in Canada. In the prairie regions of Canada, Indigenous offenders represent the most marginalized and overrepresented racial group for both criminal justice and child welfare systems, not Afro-Canadians (Dauvergne, 2012; MacDonald & Wilson, 2013; MacKinnon, 2009; MacKinnon, 2011; Public Safety Canada, 2012; Sapers, 2013; Totten & Totten, 2012). However, in the Ontario regions, such as Toronto, African-Canadians are among the most marginalized and overrepresented in both criminal justice and child welfare (Dauvergne, 2012; Public Safety Canada, 2012).

Due to child service history not being operationally defined in the current study, the results found in the current study are difficult to generalize directly to dual-status youth, or comparisons made between dual-status youth and delinquency-only youth. What this study can conceptualize is that within the realm of some level of child service involvement not defined, mean differences in SC1 were found within the current sample of offenders, which should encourage future research on broader questions regarding the connection between the LS scales and dual-status youth.

Interpretation of Findings

There are three ways in which the findings may be interpreted: 1) that groups identified with higher means are at a higher risk to re-offend compared to others in their respective grouping variable; 2) that group differences are due to a specification error; or 3) that group differences are due to error in risk assessment measurement for some groups.

To address the first point, while higher scores should indicate there is a higher risk to reoffend; without recidivism data to measure these differences it is difficult to say with certainty

that higher means there is a higher risk to re-offend. Recall that Whiteacre (2006) has found misclassification with risk levels. It is ideal that the assessed risk level correlates with recidivism (Andrews, Bonta & Wormith, 2004), and the LS scales do have a track record of strong predictive validity (Carns & Martin, 2011; Caudy, Durso & Taxman, 2013; Smith, Cullen & Latessa, 2009); however, the results of this study should not outright interpret higher scores as being of higher risk to re-offend, as there is the risk of misclassification (Whiteacre, 2006). Instead, where significant results demonstrated higher means for one group or another, they should be interpreted as supporting the idea that they *may be* higher risk, not that they *are* higher risk to recidivate.

To address the second point, it is in the realm of possibility that differences found in the results are the result of a specification error of the independent variables. To reiterate, one of the biggest limitations of this study is that outside of gender - which was used interchangeable with biological sex in the original study (Flores, Travis & Latessa, 2003), and the codebook provided by ICPSR – none of the other variables were operationally defined, which can make interpretation of the results difficult. However, this does not cause a specification error. Specification error occurs when confounding variables are left out of the model. In the case of the current study, issues of socio-economic status, poverty, educational attainment, as well as physical and mental health issues are not included in the model, and may act as confounding variables. According to Schwalbe et al., (2006), excluded factors (such as poverty) that are disproportionately distributed across populations (e.g. females) can mask themselves and influence results; a phenomenon called omitted variable bias. This is particularly problematic in criminal justice research for gender, and race/ethnicity research where a disproportionately small

number of offenders experience a disproportionately large amount of poverty, health, and mental health problems (Schwalbe et al., 2006; Totten & Totten, 2012).

As to the third point, it is entirely possible that significant results are from errors in measurement. Proponents of the LS scales would argue that it is unlikely that there are errors in measurement due to the proven psychometric properties of the LS scales; most notably for internal consistency (Andrews, Bonta & Wormith, 2004; Onifade et al., 2008; Girard & Wormith, 2004; Hilterman, Nicholls & Nieuwenhuizen, 2013; Schmidt, Hoge & Gomes, 2005), and interrater reliability (Andrews, Bonta & Wormith, 2004; Hilterman, Nicholls, and Nieuwenhuizen, 2013; Rocque & Plummer-Beale, 2014). However, as presented in the literature review, opponents of the LS scales would argue that the tools themselves misclassify offenders through gender, racial, and cultural bias; therefore measurement is not accurate in all cases (Carns & Martin, 2011; Martell et al., 2011; Rugge, 2006; Reisig et al., 2006; Whiteacre, 2006).

Comparisons to the Original Study

The results found in this study share some similarities with and present some differences from the results found in the original study by Flores, Travis, and Latessa (2003). Like the authors of the original study, the current study found significant differences in the Y-LSI total score, where males had significantly higher scores than females; while female offenders had significantly higher scores in the family circumstances, and personality/behavior domains compared to males. However, this study did not find significant mean differences for the prior and current offences subcomponent as Flores, Travis, and Latessa (2003) had. The reason for the difference in findings for prior and current offence may be attributed to the differences in methodology. While Flores, Travis and Latessa (2004) conducted an item-analysis to find mean differences in subcomponent

scores, the current study employed a much more stringent method that controlled for the influence of other demographic factors and risk sub-scales, and used a more conservative alpha level.

As Flores, Travis, and Latessa (2003) found significantly higher YLS/CMI total scores for non-whites compared to white offenders, this study produced similar findings. However, while Flores, Travis and Latessa (2003) compared only white and non-white offenders, the current study was able to demonstrate greater diversity in the results by comparing a larger number of racial categories. The current study found that black offenders had significantly higher Y-LSI total scores compared to white offenders; however, while the current study was able to compare a larger number of racial categories, no significant differences were found when comparing black or white offenders to bi-racial, or “other” offenders. While Flores, Travis, and Latessa (2003) found non-white offenders to have significantly higher scores for prior and current offences, education, peers, and substance abuse, and white offenders scored higher on measures of personality, and attitudes; the current study only supported the finding that black offenders had significantly higher scores for prior and current offences compared to white offenders as contributing to mean differences in the YLS/CMI composite score.

Comparisons to Other Studies

The methods, and results of the current study compare favorably with studies conducted by Palmer, Jinks and Hatcher (2010), and Onifade et al. (2014), with the major difference being that the current study did not include recidivism data, unlike the other studies.

Palmer, Jinks and Hatcher (2010) examined differences in criminogenic needs of the Offender Assessment System (OASys) for drug abuse, alcohol abuse, mental health, and relationships using a combination of MANOVA, and Pearson correlation coefficients (Palmer, Jinks & Hatcher, 2010). The results of their MANOVA indicated that there were gender differences in

the combined dependent variables of drug abuse, alcohol abuse, mental health, and relationships; however, Pearson's correlation coefficients found that the only significant difference for gender was for drug abuse, and relationships where female offenders demonstrated significantly higher needs (Palmer, Jinks & Hatcher, 2010).

Although the current study uses a different actuarial risk assessment tool than Palmer, Jinks and Hatcher (2010), and the YLS/CMI does not include a "relationships" dimension exactly, it's adult equivalent version, the LS/CMI uses a family/marital dimension in place of family circumstances/parenting (Andrews & Bonta, 2004); so conceptually, they are equivalent when adjusting for age. The findings of both studies support the notion that the criminogenic needs of female offenders differ from male offenders, and both studies found similar support that female offenders have significantly higher criminogenic needs for the family circumstances/relationship dimensions of risk assessment. However, a significant difference between the current study, and that of Palmer, Jinks and Hatcher (2010), was that the current study was unable to assess substance abuse in Roy-Bargmann stepdown analysis due to the high level of interactions among the dependent variable and covariates.

Onifade et al. (2014) examined differences in the YLS/CMI total score and eight sub-components by comparing dual-status and delinquency-only samples of youth offenders, while controlling for gender and age. Onifade et al. (2014) defined dual-status youth as those youth with at least one abuse or neglect petition prior to any charges related to delinquency. The study used a series of analysis of covariance (ANCOVA) models, logistic regression, and receiver operator characteristics (ROC) to analyze differences (Onifade et al., 2014). The results of the ANCOVA models indicated significant differences in the risk level (total score), where dual-status youth had significantly higher assessed risk-levels compared to delinquency-only youth.

However, the authors found both groups to be similar in YLS/CMI scoring when controlling for gender or age (Onifade, et al., 2014). The authors also found significant differences in the subscale scores, where dual-status youth had significantly higher criminogenic need for family circumstances, peer relations, personality/behavior, and attitudes/orientations (Onifade et al., 2014). The authors found that in the first ROC analysis the YLS/CMI risk level (total score) did not predict recidivism for dual-status youth ($AUC = .49, p < .05$), but that it did predict recidivism for delinquency-only youth ($AUC = .62, p < .05$); while a second ROC analysis was conducted using a new risk score calculated from the subscales that dual-status youth scored significantly higher on (Onifade, et al., 2014). The second ROC analysis also yielded insignificant results for predicting recidivism for dual-status youth ($AUC = .5, p < .05$).

The current study was like that of Onifade et al. (2014) in that its aim was to examine differences in the YLS/CMI total score and eight subcomponents. However, there were differences in the methodology of the current study and Onifade et al. (2014). First, the current study used a bivariate ANOVA to examine mean differences in the YLS/CMI total score, with a simultaneous use of a MANOVA to examine differences in the composite score of the eight subcomponents; while Onifade et al. (2014) used a series of ANCOVA models with a Bonferroni-type correction to examine mean differences in the total score and subcomponent scores individually. Second, the large sample used in Onifade et al. (2014) compared dual-status youth with delinquency-only youth, while controlling for gender, and age; while the current study used a large sample controlling for a larger number of variables, including gender, race, Hispanic origin, child service history (dual-status youth), gang affiliation, and offence type. Third, Onifade et al. (2014) were able to operationally define dual-status youth from delinquency-only youth, while the current study does not have any indication that offenders with

a child service history line up with the definition of dual-status youth compared to those offenders without a child service history.

The results from the current study and that of Onifade et al. (2014) also shared similarities with and exhibited differences from each other. Both the current study and Onifade et al. (2014) found significant differences in the total score comparing offenders with a child service history, and those without; or between dual-status and delinquency-only youth, respectively. The results from both studies suggest that the effects of child service involvement, however it is defined, has a significant impact on increasing the YLS/CMI total score.

However, the current study, and that of Onifade et al. (2014) differ significantly in terms of mean differences in the subcomponent scores of the YLS/CMI. While Onifade et al. (2014) found that dual-status youth had significantly higher means for the criminogenic needs of family circumstances, peer relations, personality/behavior, and attitudes/orientations; the current study only found that offenders with a child service history had significantly higher means for prior and current offences/dispositions. The differences between the two studies regarding the subcomponent scores could be the result of using different methodologies. While the ANCOVA models used by Onifade et al. (2014) allows each dependent variable to be assessed while controlling for covariates, the MANOVA used in the current study assesses each dependent variable in the model simultaneously, with mean differences assessed through Roy-Bargmann stepdown analysis controlling for other risk scores as covariates at each step. If the current study was able to operationally define the variables, results may be more easily comparable to Onifade et al. (2014).

Implications for Theory

Although the ANOVA reached significance for differences in the mean of the YLS/CMI total score for gender, the reported effect sizes were less than 1%. Gender differences in the YLS/CMI total, however, may not be as important as potential differences found *within* the YLS/CMI composite scoring. That is, a feminist perspective in criminology does not challenge the risk classification (low, medium, high, very high) itself, but rather, it challenges the composition of risk assessment: how it is determined, and what variables are used in its determination. Remember that the feminist perspective argues that the factors that place female offenders at risk for recidivism differ from those of men; their argument is not whether a female offender is at risk of recidivism or not, or the level of supervision required: it is on the content of the risk assessment itself (Daly, 1992; Salisbury & Van Voorhis, 2009; Salisbury, Van Voorhis & Spiropoulos, 2009)

The current study found that females demonstrated significantly higher needs on the personality/behavior (SC7), and family circumstances/parenting (SC2) subcomponents compared to males. While the results for SC7 support the notion that at least part of the “big four” is relevant to female offenders (Andrews & Bonta, 2010), there is also a clear connection between the female offenders in the sample and the criminogenic need for family, which supports the feminist criminological perspective: that females may have higher criminogenic needs that are family-related problems. While the LS scale in the current study is the *Youth* Levels of Service/Case Management Inventory, which measures parental relationships rather than romantic ones (given the target age of 12-15) for the risk assessment; it still supports the feminist argument that strained/stressed family relationships is a significant risk/need variable for female offenders compared to male offenders.

The results of the current study reflect those found by Anderson et al. (2016). Using a large sample of male (N = 1267) and female (N = 453) offenders, the authors found that the female offenders scored higher overall on risk on the YLS/CMI, but recidivated at a lower rate compared to the male offenders (Anderson et al., 2016). In addition to the differences in risk for recidivism, Anderson et al. (2016) found that the only subcomponents that significantly predicted recidivism for female offenders was family circumstances/parenting (AUC = .607), and personality/behavior (AUC = .572).

So long as the LS scales keep being circulated without regard to the unique needs of female offenders in some jurisdictions, criticisms of its use on females will continue unabated. It may be a pipe dream, and maybe even laughable to some, but the most ideal solution to solving the debate on gender and risk of recidivism would be to conduct the same principle component analysis that was used in the construction of the original levels of service model. The biggest barrier to this are weighing the costs and benefits, as some jurisdictions may find it a futile venture to investigate a problem that some feel has already been addressed with current risk assessments in hand.

Looking at the evidence by feminist criminologists, if a principle component analysis were conducted on an entirely female sample (and hopefully a racially, ethnically, and culturally representative one compared to the original), would researchers arrive at the same conclusions as Andrews and Bonta (2010) did? Would the current central eight risk factors be the same? Most likely, given what evidence we have seen, no. The result may not be entirely different, but it may be enough of a difference to drive community and custody case management of female offenders in a new direction where the (potentially) unique needs of female offenders are treated with the same attention given to those derived from male samples.

For race, post-hoc comparisons for ANOVA were only significant comparing black offenders to white offenders, demonstrating that the higher mean for black offenders was significant compared to white offenders ($p < .001$). This falls in line with current research that demonstrates that black offenders are often classified as higher risk compared to white offenders (Whiteacre, 2006), but it also lends support to the notion that visible minorities, in general, are often classified as higher risk (Olver, Stockdale & Wormith, 2013). This is further supported by the findings from the MANOVA where the only difference found for race was comparing black and white offenders for prior and current offences (SC1).

Although previous research extends the classification of high-risk racial minorities to other racial and ethnic minorities, such as Hispanics, the current study only found such support comparing black and white offenders (Andrews & Bonta, 2010; Andrews, Bonta & Wormith, 2004; Geraghty & Woodhams, 2015; Manchak, Skeem, Douglas & Siranosian, 2009; Schwalbe, 2008; Olver, Stockdale & Wormith, 2009; Olver, Stockdale & Wormith, 2013; Smith, Cullen & Latessa, 2009; Wormith & Hogg, 2012; Wormith, Hogg & Guzzo, 2015). This may have been the result of having so few Hispanic offenders ($N = 46$) compared to non-Hispanics ($N = 1605$); as well as those of other racial minorities such as Asians ($N = 6$), American Indians ($N = 1$), Bi-racial ($N = 22$), and “Other” ($N = 25$) in the original sample. Tabachnick and Fidell (2007) recommend having at least 100 participants in each category to ensure statistical power, especially as more variables enter the equation in a MANOVA.

While it would be nearly impossible to have a different risk assessment for every subgroup of offenders, there is still room for improvement in terms of risk assessments being racially and ethnically informed. With the current migration of refugees throughout the world, can we honestly say that current risk assessment models are racially neutral, and that they will function the same

for everyone, regardless of race, ethnicity, or even place of origin? While the current study only found a racial difference in the YLS/CMI total score where black offenders had greater scores compared to whites, and that a greater score for the criminal history dimension (SC1) was responsible for this difference in the composite score, it still stands that further research needs to be conducted. While some international studies support the use of the LS scales (Zhang & Liu, 2014), others have pointed out limitations, including a lack of representativeness in some of the subscales (Takahashi, Mori & Kroner, 2013), and a breakdown in the capacity of the YLS/CMI to differentiate between offenders and non-offenders among culturally and linguistically diverse groups (Shepherd, Singh & Fullam, 2015). What these patterns from the international studies tell us is that the LS scales were normed on a sample with a western culture orientation, and that the criminogenic factors thought to be associated with recidivism may not be as universal as PCC and RNR would like us to believe (Andrews & Bonta, 2010; Bonta & Andrews, 2007).

Results for CHS demonstrated the largest mean differences in the YLS/CMI total score, as well as the largest effect sizes, ranging between 4-5% of the total variation. While prior and current offences/dispositions (SC1_Recode) was the only subcomponent found to be a significant contributor to the YLS/CMI composite score, results in this study support current research that argues that dual-status youth are at increased risk compared to delinquency-only offenders (Onifade et al., 2014). Further to this end, as SC1_Recode measures past recidivism, the results from the stepdown analysis supports current research that argues that dual-status youth also tend to offend at a younger age and have more criminal convictions than delinquency-only youth.

Those with gang affiliation displayed significantly higher mean difference in the YLS/CMI total score compared to offenders with no gang affiliation. Although the observed effect size was small, accounting for only 1-2% of the variance in the sample, it is still significant. This finding

supports current research regarding gang members as being among the highest risk to reoffend (Chu, Daffern, Thomas & Lim, 2011; Guay, 2012; NGIC, 2013). It was unfortunate that while significant differences were found in the ANOVA, as well as a significant p-value in Pillai's Criterion for the MANOVA, Roy-Bargman stepdown analysis failed to reach any significant findings regarding gang affiliation. It was particularly disappointing that significant differences were not found in the peer relations (SC4_Recode) subcomponent, which is where common sense would suggest that gang members would associate with anti-social peers.

The lack of a significant finding for peer relations also begs the questions of whether the offenders in the sample of gang members are actual gang members, or if they are members of an institutional or community gang; and if they are actually gang members, what is their level of involvement? The reason it is so important for the correct classification of gangs is one of operational needs, and resources. If the definition of a gang is used too loosely, then the services provided may overestimate offender needs, and deliver inappropriate programming, including stricter court and program conditions, treating some offenders as higher risk than they actually are (Esbensen et al., 2001). On the other hand, if the definition of a gang is too restrictive, then services risk underestimating this population, and may be unable to deliver the necessary programming to meet offenders needs (Esbensen et al., 2001).

The current study did not find any significant differences in the mean of the YLS/CMI total score when it came to offence type. As previous research on predictive validity have found the LS scales to be better at predicting general recidivism than violent recidivism, researchers should continue to investigate differences in types of offences, perhaps even investigating differences among specific offences within general offending (theft vs. fraud), drug crimes (trafficking vs. manufacturing), and violent (assault vs. murder) forms of crime. However, while the ANOVA was

not able to determine significant differences in the YLS/CMI Total score, the results from stepdown analysis and Scheffe test produced a few significant differences: that violent offenders had significantly higher risk scores than any other offence type for personality/behavior (SC7); and those convicted of drug crimes or property crimes had significantly greater prior and current offences/dispositions (SC1), compared to minor offences and violent crime, respectively.

Calley (2012) conducted a study on a sample of diverse male offenders in a residential treatment program, with a variety of factors as independent variables, including age, child service history, termination of parental rights, length of stay, and offence type to predict recidivism (Calley, 2012). Using a stepwise logistic regression, Calley (2012) found that only offence type was significant for predicting recidivism, and that general offenders were far more likely to recidivate compared to sex offenders, while no differences were found between general offenders and drug abuse offenders. The research by Calley (2012) is important to our understanding of how offence type affects recidivism; however, there are two shortcomings of the study to note. First, the sample was fairly small ($N = 166$), and was drawn entirely from a single residential treatment center, which makes generalizations fairly difficult as the treatment program described in the study was designed for high-risk offenders. Second, the lack of any female offenders compounds the issue that faces current risk and recidivism research: that it is heavily focused on male offenders. While there are these shortcomings of the study, it did present a strength as well, which is that Calley (2012) was able to operationally define offence type, while the current study was not able to do this.

Implications for Practice

One of the biggest contributing factors from the results of the current study helps to challenge the gender, racial, and ethnic neutrality stance of the LS scales. While the results of the current study are not going to alter current risk assessments, the findings should help practitioners, such

as probation officers, and custody case managers, step out of the shadow of the LS scales and realize that there may be other factors that either influence or contribute to criminogenic need, but may be ignored by current risk assessment models. The current study supports the notion that risk assessment tools need to leave the neutral stance behind them; and instead, what was thought of as gender, racial, and ethnically neutral should become gender, racial, and ethnically informed.

Regarding dual-status youth, the results of the current study support the call for the increased need of inter-agency cooperation, and inter-jurisdictional authority. While it is important that all at-risk and delinquent youth receive the necessary services to meet their needs, dual-status youth may be either over-serviced, or may be inadequately serviced due to fragmented services between child welfare and criminal justice (Fromknecht, 2014).

A promising model for interagency cooperation was developed in DuPage County, Illinois, in partnership with the John D. and Catherine T. MacArthur Foundation in their Models for Change program: The Congregate Care Model (Davis, 2014). In the model, probation-assigned staff were identified as a key members to track, and case manage those youth specifically designated as dual-status in order to provide a centralized service, rather than a fragmented one (Davis, 2014). The aim of the model was to document baseline data on the scope of dual-status youth, create a shared vision of an integrated child-welfare/juvenile justice response system, and to decrease unnecessary recidivism to improve outcomes (Davis, 2014). In order to accomplish these goals, educating probation staff, child-welfare staff, courts, law enforcement staff, and group homes was seen as an essential component to success. Davis (2014) states that the Congregate Care Model had successfully increased collaboration between the systems of child-welfare and juvenile justice, but

also with law enforcement, courts, and group homes, which resulted in more positive outcomes for dual-status youth.

Implications for Policy

While the results of the current study do not have direct implications for policy, it does hope to inform those working in policy on a small number of issues regarding current risk assessment. First, while current risk assessment models continue to use tools that were validated without gender, racial, or ethnic diversity; the current study encourages those working in policy to validate these tools on their own populations. Authors such as Prothrow-Stith and Spivak (2004), who pioneered the famous “Boston Model” have advocated that every jurisdiction should always create preventative measures that match their population. While the aim of their model was on violence prevention, it none-the-less seeks to reduce risk, and the spirit of it can be applied to risk assessment of recidivism.

While some jurisdictions have developed (in-partnership with Multi-Health Systems) their own variants of the LS scales, such as the LSI-OR,²⁵ and the LSI-SK,²⁶ other jurisdictions have created risk assessments that are validated on their own populations. One such example of this is the Yukon Offender Supervision Inventory (YOSI) (Yukon Government Department of Justice, 2016). While the YOSI appears to borrow many of the same criminogenic needs as the LS model such as criminal history, education or employment, behavior, peers, and substance abuse; it also addresses living arrangements and financial stability (Yukon Government Department of Justice, 2016). However, one of the biggest differences is that the YOSI uses the risk assessment as a tool for structured professional judgement, rather than actuarial risk. While proponents of the LS scales and the RNR model have publicly discouraged structured professional judgement, others

²⁵ Levels of Service Inventory – Ontario Revision (Andrews & Bonta, 1995).

²⁶ Levels of Service Inventory – Saskatchewan Youth Edition (Andrews, Bonta & Wormith, 2001)

have encouraged its use. If it is not in the interest of a particular jurisdiction to create its own form of risk assessment, then validation of current risk assessment tools should be the minimum effort made (Whiteacre, 2006).

Recommendations for Future Research

As the current study sought to determine if mean differences found in YLS/CMI risk assessments were affected by factors such as gender, race, Hispanic origin, child service history, gang affiliation, and offence type; future research that seeks to follow suit should focus on diverse factors. The author of the current study would encourage future risk assessment research in four key areas that appear to need more attention: 1) gender, racial, and ethnically diverse samples; 2) factors thought to be peripheral to current risk assessment, such as those thought of as responsivity factors rather than criminogenic needs; 3) under-serviced populations, including members of the LGBTTTQ* community, and new comers and refugees; and 4) dual-status youth.

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Appendix A1: Equality of Variances

		Levene's Test for Equality of Variances	
		F	Sig.
SC1	Equal variances assumed	1.269	.260
	Equal variances not assumed		
SC2	Equal variances assumed	1.941	.164
	Equal variances not assumed		
SC3	Equal variances assumed	.222	.638
	Equal variances not assumed		
SC4	Equal variances assumed	1.847	.174
	Equal variances not assumed		
SC5	Equal variances assumed	1.023	.312
	Equal variances not assumed		
SC6	Equal variances assumed	16.837	.000
	Equal variances not assumed		
SC7	Equal variances assumed	.343	.558
	Equal variances not assumed		
SC8	Equal variances assumed	2.341	.126
	Equal variances not assumed		
Y-LSI TOTAL	Equal variances assumed	.093	.760
	Equal variances not assumed		

Appendix A2: Separate Variance T-Test

		95% Confidence Interval of the Difference						
		t	df	Sig. (2- tailed)	Mean Diff.	Std. Error Diff.	Lower	Upper
SC1	Equal variances assumed	3.148	1510	.002	.288	.091	.109	.467
	Equal variances not assumed	3.105	667.011	.002	.288	.093	.106	.470
SC2	Equal variances assumed	.713	1510	.476	.068	.095	-.118	.254
	Equal variances not assumed	.695	653.180	.487	.068	.097	-.123	.259
SC3	Equal variances assumed	1.618	1509	.106	.178	.110	-.038	.395
	Equal variances not assumed	1.622	684.295	.105	.178	.110	-.037	.394
SC4	Equal variances assumed	1.249	1511	.212	.083	.067	-.047	.214
	Equal variances not assumed	1.213	650.494	.226	.083	.069	-.052	.218
SC5	Equal variances assumed	2.976	1510	.003	.325	.109	.111	.540
	Equal variances not assumed	3.012	698.677	.003	.325	.108	.113	.537
SC6	Equal variances assumed	-2.115	1511	.035	-.059	.028	-.114	-.004

		95% Confidence Interval of the Difference						
		t	df	Sig. (2- tailed)	Mean Diff.	Std. Error Diff.	Lower	Upper
SC7	Equal variances not assumed	-1.886	570.790	.060	-.059	.031	-.121	.002
	Equal variances assumed	2.076	1509	.038	.234	.113	.013	.456
SC8	Equal variances not assumed	2.073	679.172	.039	.234	.113	.012	.456
	Equal variances assumed	-.534	1509	.593	-.044	.083	-.206	.118
Y-LSI TOTAL	Equal variances not assumed	-.521	651.775	.602	-.044	.085	-.210	.122
	Equal variances assumed	2.473	1512	.014	1.145	.463	.237	2.054
	Equal variances not assumed	2.440	672.157	.015	1.145	.469	.224	2.067

Appendix A3: Chi-Square Tests (Gender)

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	3.995 ^a	1	.046		
Continuity Correction ^b	3.746	1	.053		
Likelihood Ratio	3.937	1	.047		
Fisher's Exact Test				.050	.027
Linear-by-Linear Association	3.993	1	.046		
N of Valid Cases	1679				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 119.19.

Appendix A4: Chi-Square Tests (Race)

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	16.408 ^a	5	.006
Likelihood Ratio	17.206	5	.004
Linear-by-Linear Association	.261	1	.609
N of Valid Cases	1674		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 7.28.

Appendix A5: Chi-Square Tests (Hispanic Origin)

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.065 ^a	1	.799		
Continuity Correction ^b	.009	1	.925		
Likelihood Ratio	.065	1	.798		
Fisher's Exact Test				.874	.470
Linear-by-Linear Association	.065	1	.799		
N of Valid Cases	1651				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 14.79.

Appendix A6: Chi-Square Tests (Child Service History)

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.060 ^a	1	.807		
Continuity Correction ^b	.032	1	.859		
Likelihood Ratio	.060	1	.807		
Fisher's Exact Test				.842	.430
Linear-by-Linear Association	.060	1	.807		
N of Valid Cases	1412				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 122.84.

Appendix A7: Chi-Square Tests (Gang Affiliation)

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.176 ^a	1	.675		
Continuity Correction ^b	.093	1	.761		
Likelihood Ratio	.173	1	.677		
Fisher's Exact Test				.650	.375
Linear-by-Linear Association	.175	1	.675		
N of Valid Cases	1536				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 28.17.

Appendix A8: Chi-Square Tests (Offence Type)

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	105.677 ^a	4	.000
Likelihood Ratio	95.796	4	.000
Linear-by-Linear Association	82.430	1	.000
N of Valid Cases	1525		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 46.94.

Appendix A9 – EM Correlations with Little's MCAR

EM Correlations^a								
	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	1							
SC2	.334	1						
SC3	.271	.310	1					
SC4	.331	.286	.294	1				
SC5	.439	.261	.239	.351	1			
SC6	-.003	-.021	.025	.002	-.038	1		
SC7	.242	.450	.433	.252	.184	-.054	1	
SC8	.159	.349	.279	.314	.085	-.015	.521	1

a. Little's MCAR test: Chi-Square = 40.349, DF = 42, Sig. = .544

Appendix A10 – Multiple Imputation Model

Variable	Type	Effects	Missing Values	Imputed Values
SC1	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	167	1670
SC2	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	167	1670
SC3	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	168	1680
SC4	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	166	1660
SC5	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	167	1670
SC6_Trans	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	166	1660
SC7	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	168	1680
SC8	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	168	1680
Y-LSI TOTAL	Linear Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	165	1650
RACE (New)	Logistic Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	5	50
HISPANIC ORIGIN	Logistic Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	28	280
CHLD SERVICE HISTORY	Logistic Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	267	2670
GANG AFFILIATION	Logistic Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	143	1430
TYPE OF OFFENSE (New)	Logistic Regression	RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW, SC2, SC3, SC4, SC5, SC6, SC7, SC8, LSI1TOTL	154	1540

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.23	2.83	3.08	2.43	2.45	.1023	3.27	1.79	19.68
		Median	2.13	3.00	3.00	2.00	3.00	.0000	3.00	1.78	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.529	1.592	1.852	1.109	1.814	.31539	1.874	1.375	7.684
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.22	2.82	3.07	2.43	2.43	.1010	3.27	1.80	19.66
		Median	2.08	3.00	3.00	2.00	3.00	.0000	3.00	1.89	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.530	1.583	1.845	1.117	1.817	.31441	1.881	1.381	7.704
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
7	N	Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.25	2.83	3.05	2.43	2.43	.1012	3.25	1.79	19.62
		Median	2.37	3.00	3.00	2.00	3.00	.0000	3.00	1.68	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.525	1.586	1.853	1.116	1.812	.31629	1.872	1.385	7.685
		Range	5	6	7	4	5	2.04	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.04	7	5	40
		Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
8	N	Missing	0	0	0	0	0	0	0	0	0
		Mean	2.23	2.83	3.06	2.43	2.45	.1034	3.26	1.79	19.65
		Median	2.01	3.00	3.00	2.00	3.00	.0000	3.00	1.81	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.536	1.591	1.857	1.108	1.815	.31616	1.892	1.376	7.726
		Range	5	6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.24	2.82	3.08	2.44	2.43	.1033	3.27	1.80	19.67
		Median	2.23	3.00	3.00	2.00	3.00	.0000	3.00	1.81	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.532	1.592	1.846	1.109	1.818	.31588	1.886	1.386	7.733
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.24	2.81	3.06	2.43	2.44	.1014	3.25	1.79	19.59
		Median	2.38	3.00	3.00	2.00	3.00	.0000	3.00	1.67	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.524	1.585	1.857	1.111	1.821	.31218	1.891	1.382	7.759
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
Pooled	N	Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.23	2.82	3.07	2.43	2.44	.1009	3.26	1.79	19.65

Appendix B2 – Descriptive Statistics (Males)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
1	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.28	2.69	3.10	2.42	2.46	.1072	3.11	1.78	19.33
		Median	2.40	3.00	3.00	2.00	3.00	.0000	3.00	1.32	20.00
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.539	1.555	1.903	1.132	1.824	.32329	1.919	1.405	7.837
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
2	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.28	2.67	3.08	2.43	2.45	.1035	3.11	1.74	19.26
		Median	2.59	3.00	3.00	2.00	3.00	.0000	3.00	1.16	19.66
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.542	1.570	1.901	1.128	1.822	.31945	1.922	1.387	7.808
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
3	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.28	2.73	3.10	2.41	2.42	.1048	3.12	1.76	19.36
		Median	2.52	3.00	3.00	2.00	3.00	.0000	3.00	1.44	20.00
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.535	1.565	1.902	1.130	1.825	.31826	1.912	1.395	7.810
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
4	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.29	2.73	3.13	2.42	2.45	.1073	3.13	1.75	19.38
		Median	2.56	3.00	3.00	2.00	3.00	.0000	3.00	1.17	20.00
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.548	1.572	1.898	1.129	1.830	.32205	1.906	1.391	7.806
		Range	5	6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.29	2.71	3.11	2.42	2.45	.1084	3.13	1.76	19.36
		Median	2.39	3.00	3.00	2.00	3.00	.0000	3.00	1.35	20.00
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.538	1.569	1.905	1.118	1.821	.32493	1.898	1.389	7.778
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.29	2.70	3.11	2.42	2.43	.1089	3.13	1.75	19.31
		Median	2.62	3.00	3.00	2.00	3.00	.0000	3.00	1.07	20.00
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.545	1.560	1.896	1.126	1.824	.32576	1.903	1.391	7.786
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
7	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.31	2.70	3.09	2.42	2.43	.1103	3.12	1.76	19.27
		Median	2.67	3.00	3.00	2.00	3.00	.0000	3.00	1.13	19.91
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.538	1.561	1.908	1.127	1.821	.33095	1.900	1.401	7.766
		Range	5	6	7	4	5	2.04	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.04	7	5	40
		Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
8	N	Missing	0	0	0	0	0	0	0	0	0
		Mean	2.29	2.70	3.11	2.43	2.46	.1115	3.13	1.75	19.36
		Median	2.50	3.00	3.00	2.00	3.00	.0000	3.00	1.21	20.00
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.548	1.568	1.908	1.123	1.823	.32756	1.916	1.391	7.820
		Range	5	6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.30	2.70	3.12	2.44	2.43	.1116	3.13	1.77	19.35
		Median	2.54	3.00	3.00	2.00	3.00	.0000	3.00	1.35	20.00
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.540	1.572	1.900	1.119	1.826	.32739	1.914	1.403	7.830
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.30	2.69	3.09	2.43	2.44	.1091	3.12	1.75	19.26
		Median	2.65	3.00	3.00	2.00	3.00	.0000	3.00	1.12	19.68
		Mode	4	3	4	2	0	.00	2	1	24
		Std. Deviation	1.531	1.560	1.904	1.122	1.828	.32336	1.915	1.397	7.832
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
Pooled	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.29	2.70	3.10	2.42	2.44	.1083	3.12	1.76	19.32

Appendix B3 – Descriptive Statistics (Female)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
1	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.01	3.27	2.95	2.43	2.42	.0744	3.77	1.92	20.86
		Median	2.00	3.00	3.00	2.00	2.62	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.464	1.607	1.670	1.070	1.793	.26561	1.689	1.319	7.277
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
2	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.01	3.29	2.92	2.42	2.43	.0815	3.78	1.91	20.79
		Median	2.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	21.86
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.469	1.584	1.663	1.072	1.800	.27738	1.701	1.331	7.284
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
3	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.00	3.29	2.90	2.43	2.39	.0713	3.76	1.95	20.84
		Median	2.00	3.00	3.00	2.00	2.21	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.471	1.602	1.641	1.062	1.790	.26000	1.720	1.349	7.241
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
4	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.00	3.25	2.98	2.44	2.42	.0723	3.82	1.95	20.87
		Median	2.00	3.00	3.00	2.00	2.45	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.459	1.618	1.679	1.068	1.786	.26565	1.702	1.322	7.237
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
5	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.00	3.25	2.99	2.44	2.43	.0798	3.78	1.89	20.85
		Median	2.00	3.00	3.00	2.00	2.91	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.472	1.605	1.642	1.079	1.790	.27662	1.687	1.320	7.219
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
6	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.99	3.26	2.93	2.44	2.42	.0720	3.79	1.98	20.93
		Median	2.00	3.00	3.00	2.00	2.45	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.456	1.593	1.640	1.084	1.793	.26681	1.700	1.329	7.264
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1

7	N	Maximum	5	6	7	4	5	2.00	7	5	35
		Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	3.29	2.93	2.46	2.44	.0679	3.74	1.92	20.91
		Median	2.00	3.00	3.00	2.00	2.52	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.459	1.590	1.631	1.075	1.781	.25263	1.678	1.319	7.242
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
8	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.99	3.29	2.88	2.43	2.43	.0736	3.75	1.92	20.71
		Median	2.00	3.00	3.00	2.00	2.45	.0000	4.00	2.00	21.40
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.467	1.594	1.644	1.053	1.788	.26824	1.719	1.310	7.281
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
		Maximum	5	6	7	4	5	2.00	7	5	35
9	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	3.25	2.95	2.44	2.42	.0727	3.77	1.93	20.84
		Median	2.00	3.00	3.00	2.00	2.24	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.483	1.592	1.626	1.073	1.792	.26735	1.687	1.315	7.255
		Range	5	6	7	4	5	2.00	7	5	34
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	35
		Maximum	5	6	7	4	5	2.00	7	5	35
10	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.01	3.27	2.97	2.43	2.44	.0727	3.75	1.92	20.80
		Median	2.00	3.00	3.00	2.00	2.72	.0000	4.00	2.00	22.00
		Mode	3	3	3	2	0	.00	5	1	23
		Std. Deviation	1.478	1.596	1.671	1.072	1.794	.26531	1.715	1.319	7.370
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	1
		Maximum	5	6	7	4	5	2.00	7	5	38
		Maximum	5	6	7	4	5	2.00	7	5	38
Pooled	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.01	3.27	2.94	2.44	2.42	.0738	3.77	1.93	20.84

Appendix B4 – Descriptive Statistics (Blacks)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
1	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.68	2.87	3.33	2.62	2.75	.0636	3.24	1.65	20.83
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.361	1.405	1.731	1.079	1.698	.27184	1.942	1.276	6.844
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
2	N	Valid	456	456	456	456	456	456	456	456	456
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.87	3.32	2.61	2.76	.0624	3.23	1.64	20.78
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.362	1.415	1.731	1.087	1.693	.27155	1.940	1.277	6.806
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
3	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.88	3.34	2.61	2.75	.0584	3.24	1.65	20.85
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.363	1.415	1.730	1.079	1.690	.26474	1.942	1.275	6.830
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
4	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.86	3.33	2.61	2.74	.0627	3.23	1.64	20.76
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.366	1.407	1.739	1.084	1.693	.26994	1.937	1.265	6.841
		Range	5	6	7	4	5	2.00	7	5	38

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.87	3.33	2.60	2.75	.0635	3.24	1.64	20.76
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.365	1.406	1.720	1.082	1.693	.27227	1.939	1.264	6.796
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.88	3.33	2.61	2.75	.0631	3.24	1.66	20.84
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.364	1.414	1.724	1.085	1.697	.27248	1.933	1.270	6.809
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
7	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.69	2.86	3.32	2.61	2.75	.0619	3.24	1.65	20.83
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.359	1.409	1.721	1.084	1.694	.27094	1.935	1.269	6.833
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	455	455	455	455	455	455	455	455	455
8	N	Missing	0	0	0	0	0	0	0	0	0
		Mean	2.68	2.87	3.31	2.61	2.75	.0662	3.23	1.64	20.77
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.355	1.418	1.727	1.080	1.689	.27596	1.937	1.265	6.823
		Range	5	6	7	4	5	2.00	7	5	38

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.86	3.31	2.61	2.74	.0600	3.21	1.66	20.74
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.368	1.407	1.725	1.081	1.696	.26707	1.939	1.271	6.808
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	455	455	455	455	455	455	455	455	455
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.85	3.32	2.62	2.76	.0611	3.23	1.64	20.76
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.00	21.00
		Mode	4	3	4	2	4	.00	2	1	23
		Std. Deviation	1.360	1.412	1.733	1.082	1.694	.26999	1.940	1.263	6.854
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
Pooled	N	Valid	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	2.87	3.32	2.61	2.75	.0623	3.23	1.65	20.79

Appendix B5 – Descriptive Statistics (Whites)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
1	N	Valid	1169	1169	1169	1169	1169	1169	1169	1169	1169
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	2.78	2.96	2.34	2.31	.1153	3.26	1.86	19.09
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	20.00
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.553	1.650	1.893	1.133	1.845	.32726	1.875	1.427	8.076
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
2	N	Valid	1167	1167	1167	1167	1167	1167	1167	1167	1167
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	2.77	2.92	2.36	2.30	.1142	3.25	1.83	19.00
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	19.58
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.556	1.659	1.885	1.128	1.846	.32662	1.883	1.411	8.053
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
3	N	Valid	1171	1171	1171	1171	1171	1171	1171	1171	1171
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	2.83	2.94	2.34	2.27	.1150	3.26	1.85	19.11
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	19.90
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.550	1.656	1.882	1.129	1.845	.32408	1.873	1.426	8.032
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
4	N	Valid	1167	1167	1167	1167	1167	1167	1167	1167	1167
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	2.81	3.00	2.35	2.30	.1156	3.29	1.84	19.17
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	20.00
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.559	1.666	1.888	1.129	1.851	.32697	1.868	1.418	8.044
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
5	N	Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	2.80	2.98	2.35	2.30	.1197	3.27	1.84	19.14
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	20.00
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.556	1.661	1.889	1.120	1.840	.33281	1.849	1.413	8.015
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
6	N	Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.01	2.78	2.96	2.35	2.27	.1178	3.28	1.85	19.09
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	19.69
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.555	1.647	1.880	1.130	1.842	.33148	1.863	1.420	8.034
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Trans	SC7	SC8	Y-LSI TOTAL
7	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.04	2.80	2.94	2.36	2.28	.1182	3.25	1.84	19.04
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	19.73
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.554	1.654	1.892	1.130	1.838	.33412	1.848	1.426	7.997
		Range	5	6	7	4	5	2.04	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.04	7	5	40
8	N	Valid	1167	1167	1167	1167	1167	1167	1167	1167	1167
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.02	2.79	2.95	2.35	2.30	.1200	3.27	1.84	19.08
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	20.00
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.566	1.655	1.893	1.120	1.843	.33269	1.878	1.413	8.049
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		9	N	Valid	1167	1167	1167	1167	1167	1167	1167
Missing	0			0	0	0	0	0	0	0	0
Mean	2.04			2.79	2.98	2.37	2.28	.1216	3.29	1.85	19.14
Median	2.00			3.00	3.00	2.00	2.00	.0000	3.00	2.00	20.00
Mode	0			3	3	2	0	.00	5	1	24
Std. Deviation	1.561			1.659	1.882	1.122	1.846	.33389	1.869	1.426	8.086
Range	5			6	7	4	5	2.00	7	5	40
Minimum	0			0	0	0	0	.00	0	0	0
Maximum	5			6	7	4	5	2.00	7	5	40
10	N			Valid	1168	1168	1168	1168	1168	1168	1168
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.04	2.79	2.95	2.35	2.28	.1195	3.25	1.84	19.02
		Median	2.00	3.00	3.00	2.00	2.00	.0000	3.00	2.00	19.26
		Mode	0	3	3	2	0	.00	5	1	24
		Std. Deviation	1.553	1.649	1.890	1.123	1.848	.32980	1.877	1.423	8.094
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Pooled	N	Valid	1168	1168	1168	1168	1168	1168	1168
Missing	0			0	0	0	0	0	0	0	0
Mean	2.02			2.79	2.96	2.35	2.29	.1177	3.27	1.84	19.09

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	1	0	.00	0	0	7
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.06	2.80	3.48	2.75	3.02	.0457	3.54	1.84	22.39
		Median	3.00	3.00	3.00	3.00	3.50	.0000	4.00	2.00	22.00
		Mode	3	4	3 ^a	2 ^a	3 ^a	.00	5	2	17
		Std. Deviation	1.034	1.573	2.061	1.089	1.840	.21315	1.987	1.084	6.568
		Range	5	6	7	3	5	1.00	7	5	28
6	N	Minimum	0	0	0	1	0	.00	0	0	7
		Maximum	5	6	7	4	5	1.00	7	5	35
		Valid	22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.13	2.95	3.27	2.68	2.85	.0523	3.53	1.85	22.14
		Median	3.00	3.00	3.00	2.52	3.00	.0000	4.00	2.00	22.00
		Mode	3	4	3 ^a	2 ^a	3 ^a	.00	5	2	17
		Std. Deviation	1.034	1.612	1.956	1.085	1.871	.21408	1.985	1.083	6.468
		Range	5	6	6	3	5	1.00	7	5	28
7	N	Minimum	0	0	0	1	0	.00	0	0	7
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	23	23	23	23	23	23	23	23	23
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.09	2.90	3.25	2.62	3.05	.0703	3.51	1.85	22.10
		Median	3.00	3.00	3.00	2.00	3.08	.0000	4.00	2.00	22.00
		Mode	3	4	3	2	5	.00	5	2	17 ^a
		Std. Deviation	.996	1.535	1.923	1.098	1.821	.24001	1.925	1.083	6.399
		Range	5	6	6	3	5	1.00	7	5	28
8	N	Minimum	0	0	0	1	0	.00	0	0	7
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.02	2.97	3.48	2.70	2.99	.0691	3.58	1.93	22.73
		Median	3.00	3.00	3.00	2.74	3.34	.0000	4.00	2.00	22.00
		Mode	3	4	3 ^a	2 ^a	3 ^a	.00	5	2	17
		Std. Deviation	1.083	1.639	2.053	1.077	1.819	.23551	2.025	1.139	7.022
		Range	5	6	7	3	5	1.00	7	5	28

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	1	0	.00	0	0	7
		Maximum	5	6	7	4	5	1.00	7	5	35
		Valid	22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.16	2.76	3.41	2.70	2.90	.0909	3.46	1.82	22.02
		Median	3.00	3.00	3.00	2.72	3.00	.0000	3.58	2.00	21.50
		Mode	3	4	3 ^a	2 ^a	3 ^a	.00	5	2	17
		Std. Deviation	1.066	1.620	1.973	1.077	1.831	.29424	1.968	1.095	6.492
		Range	5	6	6	3	5	1.00	7	5	28
		Minimum	0	0	0	1	0	.00	0	0	7
10	N	Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	23	23	23	23	23	23	23	23	23
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.10	2.84	3.31	2.66	3.03	.0788	3.50	1.79	22.06
		Median	3.00	3.00	3.00	2.23	3.50	.0000	3.93	2.00	22.00
		Mode	3	4	3 ^a	2 ^a	3 ^a	.00	5	2	17
		Std. Deviation	1.036	1.566	2.044	1.067	1.790	.23671	1.924	1.089	6.331
		Range	5	6	6	3	5	1.00	7	5	28
		Minimum	0	0	0	1	0	.00	0	0	7
		Maximum	5	6	6	4	5	1.00	7	5	35
Pooled	N	Valid	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.09	2.88	3.36	2.69	2.96	.0717	3.51	1.85	22.24

a. Multiple modes exist. The smallest value is shown

Imputation Number		SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8	Y-LSI TOTAL
5	Minimum	0	0	0	0	0	.00	1	0	8
	Maximum	4	6	6	4	5	2.00	6	5	34
	N Valid	34	34	34	34	34	33	34	34	34
	Missing	0	0	0	0	0	1	0	0	0
	Mean	2.66	3.27	3.23	2.34	3.10	.0909	3.34	2.06	22.02
	Median	3.00	3.00	3.00	2.00	4.00	.0000	4.00	2.00	23.00
	Mode	4	3	3	2	4	.00	1	2	19 ^a
	Std. Deviation	1.416	1.523	1.861	.788	1.791	.38435	1.811	1.518	5.556
	Range	4	6	6	4	5	2.00	5	5	26
	Minimum	0	0	0	0	0	.00	1	0	8
6	Maximum	4	6	6	4	5	2.00	6	5	34
	N Valid	34	34	34	34	34	33	34	34	34
	Missing	0	0	0	0	0	1	0	0	0
	Mean	2.78	3.21	3.23	2.37	3.05	.0909	3.29	1.88	21.79
	Median	3.00	3.00	3.00	2.00	4.00	.0000	4.00	2.00	22.50
	Mode	4	3	3	2	4	.00	1	2	19 ^a
	Std. Deviation	1.451	1.454	1.834	.774	1.772	.38435	1.768	1.515	5.607
	Range	4	6	6	4	5	2.00	5	5	26
	Minimum	0	0	0	0	0	.00	1	0	8
	Maximum	4	6	6	4	5	2.00	6	5	34
7	N Valid	33	33	33	33	33	32	33	33	33
	Missing	0	0	0	0	0	1	0	0	0
	Mean	2.71	3.13	3.23	2.37	2.95	.0938	3.19	1.89	21.58
	Median	3.00	3.00	3.00	2.00	4.00	.0000	4.00	2.00	22.00
	Mode	4	3	3 ^a	2	4	.00	1	2	19
	Std. Deviation	1.443	1.470	1.865	.782	1.763	.39015	1.865	1.542	5.698
	Range	4	6	6	4	5	2.00	6	5	26
	Minimum	0	0	0	0	0	.00	0	0	8
	Maximum	4	6	6	4	5	2.00	6	5	34
	8	N Valid	35	35	35	35	35	34	35	35
Missing		0	0	0	0	0	1	0	0	0
Mean		2.78	3.28	3.18	2.39	3.14	.0882	3.34	1.97	22.05
Median		3.00	3.00	3.00	2.00	4.00	.0000	4.00	2.00	23.00
Mode		4	3	3	2	4	.00	1	2	19 ^a
Std. Deviation		1.425	1.503	1.870	.800	1.797	.37881	1.760	1.524	5.654
Range		4	6	6	4	5	2.00	5	5	26

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8	Y-LSI TOTAL
9	Minimum		0	0	0	0	0	.00	1	0	8
	Maximum		4	6	6	4	5	2.00	6	5	34
	N	Valid	35	35	35	35	35	34	35	35	35
		Missing	0	0	0	0	0	1	0	0	0
	Mean		2.70	3.27	3.15	2.35	3.08	.0882	3.25	2.01	21.72
	Median		3.00	3.00	3.00	2.00	4.00	.0000	4.00	2.00	23.00
	Mode		4	3	3	2	4	.00	1	2	19 ^a
	Std. Deviation		1.417	1.501	1.879	.762	1.772	.37881	1.758	1.542	5.591
	Range		4	6	6	4	5	2.00	5	5	26
	Minimum		0	0	0	0	0	.00	1	0	8
10	Maximum		4	6	6	4	5	2.00	6	5	34
	N	Valid	33	33	33	33	33	33	33	33	33
		Missing	0	0	0	0	0	0	0	0	0
	Mean		2.70	3.24	3.21	2.36	3.06	.0606	3.36	2.03	21.94
	Median		3.00	3.00	3.00	2.00	4.00	.0000	4.00	2.00	23.00
	Mode		4	3	3	2	4	.00	1 ^a	2	24 ^a
	Std. Deviation		1.425	1.542	1.916	.783	1.819	.34816	1.747	1.531	5.684
	Range		4	6	6	4	5	2.00	5	5	26
	Minimum		0	0	0	0	0	.00	1	0	8
	Maximum		4	6	6	4	5	2.00	6	5	34
Pooled	N	Valid	33.6	33.6	33.6	33.6	33.6	32.9	33.6	33.6	33.6
		Missing	0	0	0	0	0	.7	0	0	0
	Mean		2.73	3.22	3.23	2.36	3.05	.0850	3.29	1.98	21.85

a. Multiple modes exist. The smallest value is shown

Appendix B8: Descriptive Statistics (Non-Hispanic Origin)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.21	2.80	3.05	2.42	2.44	.1019	3.25	1.80	19.57
		Median	2.00	3.00	3.00	2.00	3.00	.0000	3.00	1.80	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.531	1.590	1.857	1.122	1.820	.31499	1.892	1.389	7.795
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
2	N	Valid	1631	1631	1631	1631	1631	1631	1631	1631	1631
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.21	2.79	3.03	2.43	2.43	.0994	3.25	1.78	19.52
		Median	2.01	3.00	3.00	2.00	3.00	.0000	3.00	1.66	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.534	1.599	1.854	1.119	1.820	.31252	1.899	1.376	7.777
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
3	N	Valid	1633	1633	1633	1633	1633	1633	1633	1633	1633
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.21	2.83	3.04	2.41	2.40	.0994	3.25	1.80	19.59
		Median	2.00	3.00	3.00	2.00	2.64	.0000	3.00	1.87	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.530	1.595	1.851	1.119	1.818	.30998	1.891	1.388	7.765
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
4	N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.22	2.82	3.08	2.42	2.43	.1017	3.27	1.79	19.62
		Median	2.11	3.00	3.00	2.00	3.00	.0000	3.00	1.68	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.539	1.604	1.856	1.119	1.824	.31433	1.888	1.380	7.765
		Range	5	6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.22	2.81	3.07	2.42	2.43	.1037	3.26	1.78	19.61
		Median	2.10	3.00	3.00	2.00	3.00	.0000	3.00	1.76	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.532	1.596	1.852	1.113	1.816	.31784	1.875	1.376	7.733
		Range	5	6	7	4	5	2.00	7	5	40
6	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.21	2.81	3.05	2.42	2.41	.1031	3.26	1.80	19.58
		Median	2.02	3.00	3.00	2.00	2.90	.0000	3.00	1.84	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.535	1.591	1.848	1.119	1.820	.31767	1.883	1.381	7.759
		Range	5	6	7	4	5	2.00	7	5	40
7	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.23	2.81	3.04	2.43	2.42	.1032	3.24	1.78	19.53
		Median	2.35	3.00	3.00	2.00	2.87	.0000	3.00	1.64	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.529	1.593	1.855	1.120	1.814	.31956	1.873	1.386	7.737
		Range	5	6	7	4	5	2.04	7	5	40
8	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.04	7	5	40
		Valid	1633	1633	1633	1633	1633	1633	1633	1633	1633
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.22	2.81	3.04	2.43	2.43	.1052	3.26	1.78	19.56
		Median	2.00	3.00	3.00	2.00	3.00	.0000	3.00	1.76	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.540	1.596	1.858	1.111	1.817	.31915	1.894	1.377	7.780
		Range	5	6	7	4	5	2.04	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1631	1631	1631	1631	1631	1631	1631	1631	1631
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.23	2.80	3.06	2.43	2.41	.1050	3.26	1.80	19.59
		Median	2.19	3.00	3.00	2.00	2.76	.0000	3.00	1.77	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.536	1.599	1.848	1.113	1.822	.31896	1.888	1.388	7.787
		Range	5	6	7	4	5	2.00	7	5	40
10	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.23	2.80	3.04	2.42	2.42	.1029	3.25	1.78	19.52
		Median	2.29	3.00	3.00	2.00	3.00	.0000	3.00	1.61	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.529	1.591	1.858	1.113	1.824	.31502	1.893	1.382	7.806
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
Pooled	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.22	2.81	3.05	2.42	2.42	.1025	3.25	1.79	19.57

Appendix B9 – Descriptive Statistics (Hispanic Origin) Subcomponent Scales

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.58	3.36	3.79	2.55	2.88	.0437	3.51	1.99	22.72
		Median	3.00	3.00	4.00	2.67	3.00	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.349	1.258	1.712	1.000	1.662	.17905	1.869	1.344	4.816
		Range	5	6	6	4	5	1.00	7	5	25
		Minimum	0	0	0	0	0	.00	0	0	10
		Maximum	5	6	6	4	5	1.00	7	5	35
2	N	Valid	48	48	48	48	48	48	48	48	48
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.65	3.27	3.52	2.48	2.94	.0795	3.36	1.82	21.96
		Median	3.00	3.00	4.00	2.00	3.00	.0000	4.00	2.00	22.20
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.313	1.266	1.781	1.020	1.648	.25649	1.850	1.397	5.071
		Range	5	6	6	4	5	1.00	7	5	25
		Minimum	0	0	0	0	0	.00	0	0	10
		Maximum	5	6	6	4	5	1.00	7	5	35
3	N	Valid	46	46	46	46	46	46	46	46	46
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.66	3.37	3.75	2.60	3.10	.0350	3.54	1.93	22.73
		Median	3.00	3.00	4.00	2.91	3.95	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.323	1.270	1.710	.976	1.640	.16017	1.864	1.352	4.745
		Range	5	6	6	4	5	1.00	7	5	25
		Minimum	0	0	0	0	0	.00	0	0	10
		Maximum	5	6	6	4	5	1.00	7	5	35
4	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.57	3.31	3.62	2.54	2.99	.0354	3.45	1.94	22.27
		Median	3.00	3.00	4.00	2.00	3.21	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.306	1.211	1.708	1.014	1.628	.15448	1.808	1.349	4.881
		Range	5	6	6	4	5	1.00	7	5	25

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	10
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.52	3.34	3.47	2.54	2.96	.0539	3.47	1.94	22.08
		Median	3.00	3.00	4.00	2.07	3.31	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.384	1.380	1.824	.985	1.676	.20982	1.856	1.339	5.275
		Range	5	6	6	4	5	1.00	7	5	29
6	N	Minimum	0	0	0	0	0	.00	0	0	6
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.56	3.21	3.64	2.63	2.98	.0291	3.42	1.97	22.29
		Median	3.00	3.00	4.00	3.00	3.27	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.330	1.263	1.687	1.004	1.642	.14944	1.815	1.377	4.797
		Range	5	6	6	4	5	1.00	7	5	25
7	N	Minimum	0	0	0	0	0	.00	0	0	10
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.66	3.34	3.60	2.61	2.91	.0327	3.57	2.02	22.64
		Median	3.00	3.00	4.00	3.00	3.00	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	22 ^a
		Std. Deviation	1.326	1.231	1.725	.988	1.682	.15308	1.832	1.339	4.690
		Range	5	6	6	4	5	1.00	7	5	25
8	N	Minimum	0	0	0	0	0	.00	0	0	10
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	46	46	46	46	46	46	46	46	46
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.58	3.39	3.70	2.55	2.97	.0411	3.43	1.96	22.57
		Median	3.00	3.00	4.00	2.62	3.50	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.316	1.317	1.691	.991	1.675	.17078	1.849	1.330	4.683
		Range	5	6	6	4	5	1.00	7	5	25

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	10
		Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	48	48	48	48	48	48	48	48	48
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.49	3.23	3.67	2.52	3.00	.0464	3.40	1.89	22.14
		Median	3.00	3.00	4.00	2.07	3.00	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	24 ^a
		Std. Deviation	1.402	1.276	1.712	.974	1.592	.17454	1.839	1.343	5.084
		Range	5	6	6	4	5	1.00	7	5	25
		Minimum	0	0	0	0	0	.00	0	0	10
10	N	Maximum	5	6	6	4	5	1.00	7	5	35
		Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.58	3.21	3.67	2.57	3.04	.0489	3.39	1.96	22.07
		Median	3.00	3.00	4.00	3.00	3.03	.0000	4.00	2.00	23.00
		Mode	4	3	4	2	4	.00	5	1	25
		Std. Deviation	1.328	1.299	1.745	1.054	1.603	.18313	1.841	1.372	5.399
		Range	5	6	6	4	5	1.00	7	5	26
		Minimum	0	0	0	0	0	.00	0	0	9
		Maximum	5	6	6	4	5	1.00	7	5	35
Pooled	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.58	3.30	3.64	2.56	2.98	.0446	3.45	1.94	22.35

Appendix B10 - Descriptive Statistics (No CHS)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	997	997	997	997	997	997	997	997	997
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.97	2.49	2.93	2.29	2.30	.0962	2.93	1.68	18.11
		Median	2.00	2.33	3.00	2.00	2.19	.0000	3.00	1.00	18.53
		Mode	0	3	2	2	0	.00	2	1	19
		Std. Deviation	1.521	1.571	1.873	1.112	1.805	.30610	1.854	1.355	7.850
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
2	N	Valid	981	981	981	981	981	981	981	981	981
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.94	2.47	2.87	2.30	2.31	.0968	2.89	1.61	17.88
		Median	2.00	2.05	3.00	2.00	2.22	.0000	3.00	1.00	18.00
		Mode	0	3	2	2	0	.00	2	1	19 ^a
		Std. Deviation	1.530	1.562	1.851	1.109	1.814	.31688	1.852	1.329	7.753
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
3	N	Valid	996	996	996	996	996	996	996	996	996
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.96	2.54	2.94	2.30	2.26	.0929	2.93	1.65	18.08
		Median	2.00	2.80	3.00	2.00	2.00	.0000	3.00	1.00	18.32
		Mode	0	3	2	2	0	.00	2	1	19 ^a
		Std. Deviation	1.516	1.569	1.873	1.105	1.802	.29707	1.868	1.338	7.769
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
4	N	Valid	985	985	985	985	985	985	985	985	985
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.94	2.49	2.98	2.31	2.28	.0913	2.91	1.61	18.02
		Median	2.00	2.25	3.00	2.00	2.00	.0000	3.00	1.00	18.00
		Mode	0	3	2	2	0	.00	2	1	19
		Std. Deviation	1.524	1.567	1.862	1.116	1.800	.29501	1.853	1.336	7.827
		Range	5	6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	992	992	992	992	992	992	992	992	992
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.97	2.50	2.92	2.31	2.30	.0986	2.92	1.64	18.05
		Median	2.00	2.37	3.00	2.00	2.08	.0000	3.00	1.00	18.33
		Mode	0	3	3	2	0	.00	2	1	19
		Std. Deviation	1.531	1.573	1.862	1.108	1.800	.30665	1.844	1.335	7.743
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1003	1003	1003	1003	1003	1003	1003	1003	1003
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.95	2.49	2.90	2.31	2.26	.1085	2.92	1.65	17.97
		Median	2.00	2.35	3.00	2.00	2.00	.0000	3.00	1.00	18.00
		Mode	0	3	2	2	0	.00	2	1	19
		Std. Deviation	1.514	1.558	1.833	1.104	1.805	.32688	1.839	1.347	7.734
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
7	N	Valid	969	969	969	969	969	969	969	969	969
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.98	2.50	2.93	2.31	2.27	.0950	2.90	1.62	17.94
		Median	2.00	2.24	3.00	2.00	2.00	.0000	3.00	1.00	18.00
		Mode	0	3	2	2	0	.00	2	1	19
		Std. Deviation	1.524	1.569	1.855	1.110	1.792	.30765	1.838	1.336	7.760
		Range	5	6	7	4	5	2.04	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.04	7	5	40
		8	N	Valid	993	993	993	993	993	993	993
Missing	0			0	0	0	0	0	0	0	0
Mean	1.94			2.48	2.93	2.30	2.29	.1019	2.92	1.64	17.97
Median	2.00			2.00	3.00	2.00	2.00	.0000	3.00	1.00	18.00
Mode	0			3	2	2	0	.00	2	1	17
Std. Deviation	1.524			1.563	1.869	1.111	1.798	.31850	1.860	1.329	7.756
Range	5			6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1007	1007	1007	1007	1007	1007	1007	1007	1007
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.96	2.50	2.96	2.31	2.26	.0976	2.96	1.66	18.08
		Median	2.00	2.28	3.00	2.00	2.00	.0000	3.00	1.00	18.29
		Mode	0	3	2	2	0	.00	2	1	19
		Std. Deviation	1.524	1.573	1.848	1.104	1.805	.30511	1.858	1.353	7.797
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	985	985	985	985	985	985	985	985	985
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.98	2.48	2.95	2.32	2.28	.0995	2.91	1.65	18.03
		Median	2.00	2.05	3.00	2.00	2.00	.0000	3.00	1.00	18.00
		Mode	0	3	2	2	0	.00	2	1	17 ^a
		Std. Deviation	1.513	1.567	1.855	1.105	1.805	.31398	1.866	1.355	7.857
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
Pooled	N	Valid	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.96	2.49	2.93	2.31	2.28	.0978	2.92	1.64	18.01

Appendix B11 – Descriptive Statistics (CHS)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	682	682	682	682	682	682	682	682	682
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.60	3.28	3.27	2.61	2.66	.1061	3.72	1.99	21.92
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	22.00
		Mode	4	4	3	2	4	.00	5	1	23
		Std. Deviation	1.457	1.485	1.815	1.102	1.813	.32081	1.849	1.416	7.000
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
2	N	Valid	698	698	698	698	698	698	698	698	698
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.62	3.27	3.30	2.62	2.64	.1016	3.75	2.02	21.99
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	22.47
		Mode	4	4	3	2	4	.00	5	1	23
		Std. Deviation	1.439	1.516	1.828	1.099	1.805	.30277	1.847	1.407	7.015
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
3	N	Valid	683	683	683	683	683	683	683	683	683
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.60	3.30	3.24	2.58	2.65	.1045	3.74	2.03	22.00
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	23.00
		Mode	4	4	3	2	4	.00	5	1	23
		Std. Deviation	1.457	1.511	1.804	1.112	1.816	.32103	1.820	1.426	7.016
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
4	N	Valid	694	694	694	694	694	694	694	694	694
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.62	3.33	3.26	2.58	2.67	.1120	3.78	2.04	22.07
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	22.66
		Mode	4	4	3	2	4	.00	5	1	23
		Std. Deviation	1.458	1.506	1.830	1.097	1.825	.33253	1.813	1.400	6.882
		Range	5	6	7	4	5	2.00	7	5	37

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	687	687	687	687	687	687	687	687	687
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.59	3.30	3.31	2.59	2.67	.1077	3.78	2.00	22.02
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	22.76
		Mode	4	3	3	2	4	.00	5	1	23
		Std. Deviation	1.448	1.498	1.814	1.092	1.812	.32774	1.801	1.406	6.964
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	676	676	676	676	676	676	676	676	676
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.64	3.32	3.32	2.60	2.68	.0900	3.79	2.02	22.17
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	23.00
		Mode	4	4	3	2	4	.00	5	1	23
		Std. Deviation	1.461	1.489	1.835	1.113	1.807	.29482	1.822	1.403	6.940
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
7	N	Valid	710	710	710	710	710	710	710	710	710
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.61	3.28	3.23	2.60	2.66	.1097	3.73	2.02	21.91
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	22.00
		Mode	4	4	3	2	4	.00	5	1	23
		Std. Deviation	1.449	1.497	1.838	1.104	1.816	.32774	1.810	1.418	6.958
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		8	N	Valid	686	686	686	686	686	686	686
Missing	0			0	0	0	0	0	0	0	0
Mean	2.63			3.33	3.25	2.62	2.68	.1057	3.75	2.01	22.07
Median	3.00			3.00	3.00	2.00	3.00	.0000	4.00	2.00	23.00
Mode	4			4	3	2	4	.00	5	1	23
Std. Deviation	1.461			1.496	1.823	1.078	1.817	.31296	1.832	1.412	7.012
Range	5			6	7	4	5	2.00	7	5	37

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	672	672	672	672	672	672	672	672	672
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.66	3.29	3.26	2.62	2.68	.1119	3.73	2.01	22.04
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	22.00
		Mode	4	3 ^a	3	2	4	.00	5	1	23
		Std. Deviation	1.446	1.499	1.831	1.093	1.810	.33140	1.834	1.409	6.999
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	694	694	694	694	694	694	694	694	694
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.61	3.28	3.22	2.58	2.66	.1040	3.73	1.98	21.79
		Median	3.00	3.00	3.00	2.00	3.00	.0000	4.00	2.00	22.00
		Mode	4	4	3	2	4	.00	5	1	23
		Std. Deviation	1.463	1.491	1.850	1.103	1.819	.30980	1.823	1.399	7.057
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
Pooled	N	Valid	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.62	3.30	3.27	2.60	2.66	.1053	3.75	2.01	22.00

Appendix B12 – Descriptive Statistics (No Gang Affiliation)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	1569	1569	1569	1569	1569	1569	1569	1569	1569
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.17	2.78	3.01	2.39	2.41	.1018	3.19	1.76	19.32
		Median	2.00	3.00	3.00	2.00	2.96	.0000	3.00	1.55	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.536	1.582	1.850	1.122	1.812	.31451	1.875	1.372	7.647
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
2	N	Valid	1543	1543	1543	1543	1543	1543	1543	1543	1543
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.18	2.77	2.98	2.41	2.43	.0978	3.18	1.74	19.29
		Median	2.00	3.00	3.00	2.00	3.00	.0000	3.00	1.35	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.537	1.590	1.841	1.113	1.814	.31221	1.879	1.356	7.632
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
3	N	Valid	1545	1545	1545	1545	1545	1545	1545	1545	1545
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.18	2.82	3.00	2.40	2.41	.0979	3.20	1.76	19.39
		Median	2.00	3.00	3.00	2.00	2.89	.0000	3.00	1.64	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.534	1.590	1.845	1.115	1.813	.30985	1.876	1.372	7.633
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
4	N	Valid	1543	1543	1543	1543	1543	1543	1543	1543	1543
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.19	2.81	3.03	2.40	2.42	.0992	3.22	1.75	19.40
		Median	2.00	3.00	3.00	2.00	3.00	.0000	3.00	1.45	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.541	1.590	1.845	1.115	1.820	.31219	1.873	1.365	7.622
		Range	5	6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1569	1569	1569	1569	1569	1569	1569	1569	1569
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.17	2.80	3.02	2.39	2.42	.1042	3.20	1.74	19.34
		Median	2.00	3.00	3.00	2.00	2.87	.0000	3.00	1.48	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.535	1.588	1.843	1.112	1.808	.31775	1.855	1.356	7.569
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1546	1546	1546	1546	1546	1546	1546	1546	1546
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.18	2.79	3.01	2.41	2.41	.1020	3.21	1.76	19.37
		Median	2.00	3.00	3.00	2.00	2.98	.0000	3.00	1.52	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.540	1.580	1.841	1.115	1.813	.31674	1.867	1.366	7.618
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
7	N	Valid	1566	1566	1566	1566	1566	1566	1566	1566	1566
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.19	2.79	3.00	2.40	2.40	.1024	3.18	1.75	19.29
		Median	2.00	3.00	3.00	2.00	2.54	.0000	3.00	1.42	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.536	1.581	1.846	1.121	1.808	.31791	1.856	1.367	7.598
		Range	5	6	7	4	5	2.04	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.04	7	5	40
		8	N	Valid	1569	1569	1569	1569	1569	1569	1569
Missing	0			0	0	0	0	0	0	0	0
Mean	2.17			2.80	3.00	2.39	2.41	.1050	3.20	1.75	19.32
Median	2.00			3.00	3.00	2.00	2.82	.0000	3.00	1.54	20.00
Mode	4			3	3	2	0	.00	5	1	23
Std. Deviation	1.544			1.590	1.851	1.112	1.811	.31853	1.876	1.362	7.635

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1538	1538	1538	1538	1538	1538	1538	1538	1538
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.20	2.79	3.02	2.42	2.41	.1026	3.21	1.76	19.37
		Median	2.00	3.00	3.00	2.00	2.87	.0000	3.00	1.59	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.538	1.593	1.837	1.107	1.815	.31646	1.874	1.372	7.661
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1568	1568	1568	1568	1568	1568	1568	1568	1568
		Missing	0	0	0	0	0	0	0	0	0
10	N	Mean	2.18	2.78	3.01	2.40	2.39	.1037	3.19	1.75	19.26
		Median	2.00	3.00	3.00	2.00	2.69	.0000	3.00	1.44	20.00
		Mode	4	3	3	2	0	.00	5	1	23
		Std. Deviation	1.530	1.581	1.850	1.113	1.814	.31447	1.875	1.365	7.661
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.18	2.79	3.01	2.40	2.41	.1017	3.20	1.75	19.33
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.18	2.79	3.01	2.40	2.41	.1017	3.20	1.75	19.33

Appendix B13 – Descriptive Statistics (Gang Affiliation)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	110	110	110	110	110	110	110	110	110
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.03	3.22	3.93	2.89	3.04	.0774	4.14	2.41	24.44
		Median	3.00	3.00	4.00	3.00	4.00	.0000	4.00	2.00	25.00
		Mode	4	3	5	2	5	.00	4 ^a	1	24
		Std. Deviation	1.134	1.572	1.750	.956	1.788	.27572	1.906	1.474	7.573
		Range	5	6	7	3	5	2.00	7	5	38
		Minimum	0	0	0	1	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
2	N	Valid	136	136	136	136	136	136	136	136	136
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	3.22	3.78	2.64	2.63	.1097	3.99	2.24	23.04
		Median	3.00	3.00	4.00	2.66	3.00	.0000	4.00	2.00	23.86
		Mode	4	3	6	2	0 ^a	.00	4	1	24
		Std. Deviation	1.371	1.572	1.839	1.127	1.849	.29794	1.947	1.519	7.926
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
3	N	Valid	134	134	134	134	134	134	134	134	134
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.66	3.20	3.76	2.64	2.56	.0943	3.95	2.23	22.90
		Median	3.00	3.00	4.00	2.31	3.00	.0000	4.00	2.00	24.00
		Mode	4	3	5 ^a	2	5	.00	4	1	24
		Std. Deviation	1.350	1.544	1.770	1.106	1.868	.27309	1.927	1.485	7.938
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
4	N	Valid	136	136	136	136	136	136	136	136	136
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.67	3.19	3.80	2.65	2.70	.1072	3.94	2.25	23.05
		Median	3.00	3.00	4.00	2.51	3.00	.0000	4.00	2.00	24.00
		Mode	4	3	5 ^a	2	4 ^a	.00	4 ^a	1	24
		Std. Deviation	1.371	1.617	1.809	1.100	1.809	.29999	1.909	1.453	7.935
		Range	5	6	7	4	5	2.00	7	5	38

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	110	110	110	110	110	110	110	110	110
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.03	3.27	3.93	2.89	2.91	.0755	4.20	2.40	24.42
		Median	3.00	3.00	4.00	3.00	3.00	.0000	4.10	2.00	25.00
		Mode	4	3	5	2	5	.00	5	1	24
		Std. Deviation	1.171	1.591	1.788	.960	1.840	.27949	1.899	1.501	7.789
		Range	5	6	7	3	5	2.00	7	5	38
		Minimum	0	0	0	1	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	133	133	133	133	133	133	133	133	133
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.69	3.19	3.74	2.65	2.64	.0895	3.95	2.25	23.03
		Median	3.00	3.00	4.00	2.61	3.00	.0000	4.00	2.00	24.00
		Mode	4	3	5	2	4 ^a	.00	4	1	24
		Std. Deviation	1.331	1.581	1.769	1.112	1.859	.28677	1.921	1.472	7.917
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
7	N	Valid	113	113	113	113	113	113	113	113	113
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.00	3.28	3.81	2.88	2.99	.0858	4.16	2.38	24.22
		Median	3.00	3.00	4.00	3.00	3.62	.0000	4.00	2.00	24.00
		Mode	4	4	5	2	4 ^a	.00	5 ^a	1	24
		Std. Deviation	1.127	1.587	1.789	.949	1.776	.29383	1.857	1.494	7.422
		Range	5	6	7	3	5	2.00	7	5	38
		Minimum	0	0	0	1	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	110	110	110	110	110	110	110	110	110
8	N	Missing	0	0	0	0	0	0	0	0	0
		Mean	3.03	3.23	3.85	2.91	3.06	.0808	4.14	2.31	24.33
		Median	3.00	3.00	4.00	3.00	3.81	.0000	4.00	2.00	24.00
		Mode	4	3	5	2	5	.00	4	1	24
		Std. Deviation	1.133	1.556	1.754	.928	1.761	.28042	1.908	1.474	7.535
		Range	5	6	7	3	5	2.00	7	5	38

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	1	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	141	141	141	141	141	141	141	141	141
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.65	3.17	3.70	2.60	2.66	.1119	3.95	2.27	22.94
		Median	3.00	3.00	4.00	2.01	3.00	.0000	4.00	2.00	24.00
		Mode	4	3	5	2	5	.00	5	1	24
		Std. Deviation	1.402	1.535	1.839	1.123	1.837	.31038	1.890	1.457	7.793
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	111	111	111	111	111	111	111	111	111
		Missing	0	0	0	0	0	0	0	0	0
		Mean	3.05	3.30	3.78	2.87	3.09	.0679	4.11	2.30	24.22
		Median	3.00	3.00	4.00	3.00	4.00	.0000	4.00	2.00	24.00
		Mode	4	3 ^a	5	2	5	.00	4	1	24
		Std. Deviation	1.180	1.568	1.827	.984	1.798	.27683	1.920	1.521	7.685
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
Pooled	N	Valid	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.85	3.23	3.81	2.76	2.83	.0900	4.05	2.30	23.66

a. Multiple modes exist. The smallest value is shown

Appendix B14: Descriptive Statistics (Minor Offence)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8	Y-LSI TOTAL
1	N	Valid	162	162	162	162	162	124	162	162	162
		Missing	0	0	0	0	0	38	0	0	0
	Mean		1.44	2.85	3.21	2.20	1.86	.1290	2.95	2.05	18.04
	Median		1.00	3.00	3.00	2.00	1.40	.0000	3.00	2.00	18.00
	Mode		0	3	2	2	0	.00	2	0	19 ^a
	Std. Deviation		1.498	1.619	1.716	1.210	1.685	.45919	1.828	1.553	7.858
	Range		5	6	7	4	5	2.00	7	5	40
	Minimum		0	0	0	0	0	.00	0	0	0
	Maximum		5	6	7	4	5	2.00	7	5	40
2	N	Valid	162	162	162	162	162	124	162	162	162
		Missing	0	0	0	0	0	38	0	0	0
	Mean		1.25	2.88	3.22	2.19	1.85	.1290	3.01	1.88	17.83
	Median		1.00	3.00	3.00	2.00	1.12	.0000	3.00	2.00	18.00
	Mode		0	3	3	2	0	.00	2	0	19
	Std. Deviation		1.347	1.625	1.696	1.219	1.690	.45919	1.803	1.499	7.648
	Range		5	6	7	4	5	2.00	7	5	40
	Minimum		0	0	0	0	0	.00	0	0	0
	Maximum		5	6	7	4	5	2.00	7	5	40
3	N	Valid	158	158	158	158	158	122	158	158	158
		Missing	0	0	0	0	0	36	0	0	0
	Mean		1.24	3.00	3.24	2.23	1.66	.1393	3.08	2.11	18.19
	Median		1.00	3.00	3.00	2.00	1.00	.0000	3.00	2.00	18.06
	Mode		0	3	2	2	0	.00	2	0	19 ^a
	Std. Deviation		1.333	1.685	1.702	1.199	1.649	.46914	1.916	1.565	8.041
	Range		5	6	7	4	5	2.00	7	5	40
	Minimum		0	0	0	0	0	.00	0	0	0
	Maximum		5	6	7	4	5	2.00	7	5	40
4	N	Valid	156	156	156	156	156	119	156	156	156
		Missing	0	0	0	0	0	37	0	0	0
	Mean		1.26	2.86	3.33	2.14	1.78	.1681	3.06	2.03	18.09
	Median		1.00	3.00	3.00	2.00	1.00	.0000	3.00	2.00	18.42
	Mode		0	3	2 ^a	2	0	.00	2	0 ^a	19
	Std. Deviation		1.334	1.620	1.733	1.179	1.643	.52593	1.794	1.444	7.370
	Range		5	6	7	4	5	2.00	7	5	40

Imputation Number		SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8	Y-LSI TOTAL
5	Minimum	0	0	0	0	0	.00	0	0	0
	Maximum	5	6	7	4	5	2.00	7	5	40
	N Valid	149	149	149	149	149	113	149	149	149
	Missing	0	0	0	0	0	36	0	0	0
	Mean	1.15	2.90	3.35	2.06	1.82	.1239	3.11	1.97	17.84
	Median	1.00	3.00	3.12	2.00	1.00	.0000	3.00	2.00	18.00
	Mode	0	3	2	2	0	.00	2	0	19 ^a
	Std. Deviation	1.312	1.661	1.672	1.129	1.683	.44587	1.827	1.514	7.590
	Range	5	6	7	4	5	2.00	7	5	40
	Minimum	0	0	0	0	0	.00	0	0	0
6	Maximum	5	6	7	4	5	2.00	7	5	40
	N Valid	158	158	158	158	158	122	158	158	158
	Missing	0	0	0	0	0	36	0	0	0
	Mean	1.27	2.97	3.12	2.14	1.76	.1475	3.05	2.02	17.99
	Median	1.00	3.00	3.00	2.00	1.00	.0000	3.00	2.00	18.03
	Mode	0	3	3	2	0	.00	2	0	19 ^a
	Std. Deviation	1.374	1.643	1.715	1.203	1.711	.49246	1.807	1.500	7.531
	Range	5	6	7	4	5	2.00	7	5	40
	Minimum	0	0	0	0	0	.00	0	0	0
	Maximum	5	6	7	4	5	2.00	7	5	40
7	N Valid	158	158	158	158	158	122	158	158	158
	Missing	0	0	0	0	0	36	0	0	0
	Mean	1.38	3.00	3.19	2.14	1.68	.2295	2.99	2.01	18.02
	Median	1.00	3.00	3.00	2.00	1.00	.0000	3.00	2.00	18.85
	Mode	0	3	2	2	0	.00	2	0	19 ^a
	Std. Deviation	1.409	1.610	1.671	1.163	1.621	.61371	1.775	1.529	7.596
	Range	5	6	7	4	5	2.00	7	5	40
	Minimum	0	0	0	0	0	.00	0	0	0
	Maximum	5	6	7	4	5	2.00	7	5	40
	N Valid	167	167	167	167	167	129	167	167	167
8	Missing	0	0	0	0	0	38	0	0	0
	Mean	1.50	2.95	3.24	2.18	1.95	.1395	2.88	1.91	17.97
	Median	1.00	3.00	3.00	2.00	1.83	.0000	3.00	2.00	19.00
	Mode	0	3	2 ^a	2	0	.00	2	0	19
	Std. Deviation	1.485	1.621	1.591	1.159	1.721	.47998	1.792	1.455	7.458
	Range	5	6	7	4	5	2.00	7	5	40

Imputation Number		SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8	Y-LSI TOTAL
9	Minimum	0	0	0	0	0	.00	0	0	0
	Maximum	5	6	7	4	5	2.00	7	5	40
	N Valid	151	151	151	151	151	115	151	151	151
	Missing	0	0	0	0	0	36	0	0	0
	Mean	1.22	2.97	3.27	2.10	1.75	.1391	3.14	2.11	17.97
	Median	.97	3.00	3.00	2.00	1.00	.0000	3.05	2.00	18.00
	Mode	0	3	3	2	0	.00	2	0	19
	Std. Deviation	1.378	1.649	1.645	1.142	1.673	.47549	1.858	1.522	7.744
	Range	5	6	7	4	5	2.00	7	5	40
	Minimum	0	0	0	0	0	.00	0	0	0
10	Maximum	5	6	7	4	5	2.00	7	5	40
	N Valid	159	159	159	159	159	122	159	159	159
	Missing	0	0	0	0	0	37	0	0	0
	Mean	1.42	2.86	3.31	2.24	1.75	.1311	3.08	2.07	18.04
	Median	1.00	3.00	3.00	2.00	1.00	.0000	3.00	2.00	18.00
	Mode	0	3	2	2	0	.00	2	0	19 ^a
	Std. Deviation	1.421	1.661	1.712	1.162	1.664	.46267	1.880	1.511	7.961
	Range	5	6	7	4	5	2.00	7	5	40
	Minimum	0	0	0	0	0	.00	0	0	0
	Maximum	5	6	7	4	5	2.00	7	5	40
Pooled	N Valid	158	158	158	158	158	121.2	158	158	158
	Missing	0	0	0	0	0	36.8	0	0	0
	Mean	1.31	2.92	3.25	2.16	1.78	.1476	3.04	2.01	18.00

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	181	181	181	181	181	181	181	181	181
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.32	2.59	2.76	2.46	3.30	.1431	2.59	1.56	19.14
		Median	2.28	3.00	2.43	2.00	4.00	.0000	2.10	1.00	19.00
		Mode	4	3	2	2	4	.00	1	1	17
		Std. Deviation	1.434	1.477	1.945	1.014	1.337	.39121	1.855	1.166	7.092
		Range	5	6	7	4	5	2.00	7	5	38
6	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	178	178	178	178	178	178	178	178	178
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.33	2.54	2.83	2.47	3.31	.1369	2.65	1.60	19.38
		Median	2.52	3.00	3.00	2.00	4.00	.0000	2.38	1.00	19.00
		Mode	4	3	2	2	4	.00	1	1	17
		Std. Deviation	1.420	1.463	1.930	.980	1.332	.37818	1.928	1.231	7.146
		Range	5	6	7	4	5	2.00	7	5	38
7	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	177	177	177	177	177	177	177	177	177
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.44	2.54	2.70	2.38	3.25	.1304	2.51	1.51	18.84
		Median	3.00	3.00	2.00	2.00	4.00	.0000	2.00	1.00	18.93
		Mode	4	3	2	2	4	.00	1	1	23
		Std. Deviation	1.455	1.499	1.969	1.005	1.378	.37559	1.879	1.234	7.240
		Range	5	6	7	4	5	2.04	7	5	38
8	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.04	7	5	38
		Valid	176	176	176	176	176	176	176	176	176
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.31	2.55	2.79	2.42	3.32	.1193	2.52	1.45	18.98
		Median	2.69	3.00	2.70	2.00	4.00	.0000	2.00	1.00	18.70
		Mode	4	3	2	2	4	.00	1	1	23
		Std. Deviation	1.482	1.473	1.983	.997	1.360	.34885	1.862	1.169	7.154
		Range	5	6	7	4	5	2.00	7	5	38

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	181	181	181	181	181	181	181	181	181
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.45	2.56	2.91	2.39	3.33	.1313	2.62	1.58	19.44
		Median	3.00	3.00	3.00	2.00	4.00	.0000	2.28	1.00	19.00
		Mode	4	3	2	2	4	.00	1	1	17
		Std. Deviation	1.441	1.524	1.950	.998	1.333	.36208	1.879	1.188	7.234
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	38
		Valid	192	192	192	192	192	192	192	192	192
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.39	2.60	2.87	2.43	3.28	.1226	2.68	1.56	19.47
		Median	3.00	3.00	3.00	2.00	4.00	.0000	2.80	1.00	19.00
		Mode	4	3	2	2	4	.00	1	1	17 ^a
		Std. Deviation	1.455	1.512	1.950	1.012	1.368	.34567	1.889	1.234	7.232
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
Pooled	N	Valid	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.36	2.56	2.82	2.40	3.29	.1272	2.59	1.55	19.19

a. Multiple modes exist. The smallest value is shown

Appendix B16 – Descriptive Statistics (Property Crimes) Subcomponent Scales

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	805	805	805	805	805	805	805	805	805
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.46	2.79	3.08	2.56	2.60	.1049	3.15	1.80	19.97
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.57	21.00
		Mode	4	3	3	2	0	.00	2	1	24
		Std. Deviation	1.507	1.548	1.808	1.040	1.825	.33246	1.893	1.363	7.640
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
2	N	Valid	797	797	797	797	797	797	797	797	797
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.46	2.77	3.02	2.58	2.58	.1005	3.18	1.79	19.87
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.66	20.93
		Mode	4	3	3	2	0	.00	2 ^a	1	24
		Std. Deviation	1.519	1.557	1.795	1.037	1.812	.33012	1.900	1.360	7.627
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
3	N	Valid	795	795	795	795	795	795	795	795	795
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.45	2.80	3.05	2.57	2.58	.0949	3.13	1.76	19.85
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.32	21.00
		Mode	4	3	3	2	0	.00	4	1	24
		Std. Deviation	1.515	1.548	1.810	1.036	1.820	.31021	1.875	1.360	7.603
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
4	N	Valid	807	807	807	807	807	807	807	807	807
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.49	2.80	3.06	2.59	2.60	.0988	3.17	1.77	19.98
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.01	21.00
		Mode	4	3	3	2	0	.00	4	1	24
		Std. Deviation	1.514	1.537	1.798	1.026	1.829	.31297	1.870	1.376	7.661
		Range	5	6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	813	813	813	813	813	813	813	813	813
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.49	2.81	3.06	2.58	2.57	.1040	3.17	1.80	19.99
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.37	21.00
		Mode	4	3	3	2	0	.00	4	1	24
		Std. Deviation	1.513	1.553	1.801	1.035	1.810	.32826	1.877	1.372	7.609
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
6	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	794	794	794	794	794	794	794	794	794
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.44	2.78	3.10	2.57	2.56	.1022	3.18	1.79	19.89
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.43	21.00
		Mode	4	3	3	2	0	.00	4	1	24
		Std. Deviation	1.524	1.545	1.812	1.037	1.819	.32327	1.884	1.373	7.714
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
7	N	Valid	799	799	799	799	799	799	799	799	799
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.46	2.77	3.08	2.58	2.59	.1039	3.17	1.79	19.89
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.47	21.00
		Mode	4	3	3	2	0	.00	4	1	24
		Std. Deviation	1.516	1.536	1.813	1.040	1.814	.32148	1.862	1.364	7.642
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		8	N	Valid	799	799	799	799	799	799	799
Missing	0			0	0	0	0	0	0	0	0
Mean	2.45			2.81	3.08	2.59	2.57	.1042	3.20	1.81	20.02
Median	3.00			3.00	3.00	2.00	3.00	.0000	3.00	1.80	21.00
Mode	4			3	3	2	0	.00	2	1	24
Std. Deviation	1.521			1.559	1.821	1.030	1.812	.32788	1.894	1.373	7.694
Range	5			6	7	4	5	2.00	7	5	40

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	801	801	801	801	801	801	801	801	801
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.46	2.78	3.02	2.60	2.57	.1035	3.13	1.78	19.82
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.35	21.00
		Mode	4	3	3	2	0	.00	4	1	24
		Std. Deviation	1.522	1.554	1.800	1.031	1.819	.32616	1.879	1.371	7.657
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	40
		Valid	791	791	791	791	791	791	791	791	791
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.47	2.77	3.03	2.55	2.55	.0987	3.13	1.76	19.71
		Median	3.00	3.00	3.00	2.00	3.00	.0000	3.00	1.26	21.00
		Mode	4	3	3	2	0	.00	2	1	24
		Std. Deviation	1.508	1.543	1.813	1.040	1.830	.31718	1.891	1.367	7.727
		Range	5	6	7	4	5	2.00	7	5	40
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	40
Pooled	N	Valid	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.46	2.79	3.06	2.58	2.58	.1015	3.16	1.78	19.90

a. Multiple modes exist. The smallest value is shown

Appendix B17 – Descriptive Statistics (Violent Crimes) Subcomponent Scales

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
1	N	Valid	536	536	536	536	536	536	536	536	536
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.08	2.93	3.08	2.30	2.12	.0680	3.69	1.82	19.79
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	20.32
		Mode	3	3	4	2	0	.00	5	1	23
		Std. Deviation	1.498	1.649	1.925	1.218	1.844	.24486	1.808	1.412	7.936
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
2	N	Valid	544	544	544	544	544	544	544	544	544
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.12	2.94	3.11	2.30	2.18	.0652	3.67	1.81	19.90
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	1.92	21.00
		Mode	3	3	4	2	0	.00	5	1	23
		Std. Deviation	1.499	1.655	1.929	1.213	1.865	.23896	1.828	1.402	7.993
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
3	N	Valid	547	547	547	547	547	547	547	547	547
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.14	2.96	3.09	2.27	2.13	.0713	3.71	1.84	20.02
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	21.00
		Mode	3	3	4	2	0	.00	5	1	23
		Std. Deviation	1.500	1.642	1.913	1.206	1.847	.26375	1.815	1.409	7.928
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
4	N	Valid	541	541	541	541	541	541	541	541	541
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.08	2.95	3.17	2.28	2.11	.0640	3.71	1.84	19.89
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	21.00
		Mode	0 ^a	3	4	2	0	.00	5	1	23
		Std. Deviation	1.515	1.682	1.927	1.227	1.842	.24644	1.834	1.404	7.995
		Range	5	6	7	4	5	2.00	7	5	37

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
5	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	536	536	536	536	536	536	536	536	536
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.09	2.90	3.15	2.28	2.15	.0611	3.69	1.80	19.89
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	21.00
		Mode	0 ^a	3	4	2	0	.00	5	1	23
		Std. Deviation	1.494	1.663	1.931	1.200	1.869	.23201	1.796	1.397	7.952
		Range	5	6	7	4	5	2.00	7	5	37
6	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	549	549	549	549	549	549	549	549	549
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.15	2.93	3.08	2.29	2.15	.0613	3.66	1.82	19.89
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	21.00
		Mode	3	3	4	2	0	.00	5	1	23
		Std. Deviation	1.510	1.647	1.900	1.210	1.852	.23214	1.804	1.397	7.868
		Range	5	6	7	4	5	2.00	7	5	37
7	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	545	545	545	545	545	545	545	545	545
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.12	2.95	3.09	2.31	2.17	.0552	3.68	1.83	19.94
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	20.68
		Mode	3 ^a	3	4	2	0	.00	5	1	23
		Std. Deviation	1.494	1.663	1.914	1.211	1.854	.22282	1.809	1.407	7.857
		Range	5	6	7	4	5	2.00	7	5	37
8	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	537	537	537	537	537	537	537	537	537
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.09	2.91	3.06	2.27	2.15	.0711	3.71	1.83	19.83
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	20.31
		Mode	3	3	4	2	0	.00	5	1	23
		Std. Deviation	1.509	1.657	1.937	1.202	1.861	.25717	1.818	1.405	7.972
		Range	5	6	7	4	5	2.00	7	5	37

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_ Recode	SC7	SC8	Y-LSI TOTAL
9	N	Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	546	546	546	546	546	546	546	546	546
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.12	2.92	3.18	2.31	2.11	.0682	3.72	1.82	19.99
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	21.00
		Mode	3	3	4	2	0	.00	5	1	23
		Std. Deviation	1.492	1.642	1.924	1.206	1.853	.25070	1.810	1.418	7.958
		Range	5	6	7	4	5	2.00	7	5	37
		Minimum	0	0	0	0	0	.00	0	0	0
10	N	Maximum	5	6	7	4	5	2.00	7	5	37
		Valid	537	537	537	537	537	537	537	537	537
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.09	2.94	3.11	2.30	2.17	.0794	3.68	1.82	19.91
		Median	2.00	3.00	3.00	2.00	2.00	.0000	4.00	2.00	21.00
		Mode	0 ^a	3	4	2	0	.00	5	1	23
		Std. Deviation	1.505	1.641	1.924	1.207	1.864	.27798	1.811	1.402	7.893
		Range	5	6	7	4	5	2.00	7	5	38
		Minimum	0	0	0	0	0	.00	0	0	0
		Maximum	5	6	7	4	5	2.00	7	5	38
Pooled	N	Valid	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8
		Missing	0	0	0	0	0	0	0	0	0
		Mean	2.11	2.93	3.11	2.29	2.14	.0665	3.69	1.82	19.90

a. Multiple modes exist. The smallest value is shown

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Valid	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Missing	1679	1679	1679	1679	1679	1679	1679	1679	1679
			0	0	0	0	0	0	0	0	0
	Mean		1.0206	1.2320	1.2684	1.1672	1.0495	.0854	1.3242	.8950	19.68
	Median		1.1418	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0215	20.00
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation		.59427	.50859	.57836	.38578	.66597	.25920	.55189	.52771	7.684
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
6	N	Valid	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Maximum	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0
	Mean		1.0198	1.2314	1.2651	1.1657	1.0423	.0849	1.3235	.8995	19.66
	Median		1.1254	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0605	20.00
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation		.59448	.50581	.57717	.38938	.66694	.25943	.55324	.52862	7.704
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
7	N	Valid	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Maximum	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0
	Mean		1.0284	1.2327	1.2601	1.1677	1.0459	.0848	1.3197	.8949	19.62
	Median		1.2164	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9852	20.00
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation		.59302	.50569	.57893	.38865	.66475	.25912	.55114	.52992	7.685
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
8	N	Valid	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Maximum	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0
	Mean		1.0197	1.2325	1.2614	1.1678	1.0497	.0868	1.3196	.8953	19.65
	Median		1.1032	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0328	20.00
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation		.59591	.50795	.58011	.38592	.66663	.26087	.55658	.52759	7.726

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
9	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	N	Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.0247	1.2295	1.2688	1.1700	1.0423	.0866	1.3224	.8988	19.67
	Median		1.1721	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0315	20.00
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation		.59430	.50760	.57645	.38659	.66642	.26021	.55506	.53132	7.733
10	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	N	Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.0265	1.2295	1.2618	1.1671	1.0435	.0851	1.3175	.8938	19.59
	Median		1.2192	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9804	20.00
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation		.59269	.50565	.58019	.38762	.66935	.25752	.55716	.52888	7.759
Pool	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	N	Valid	1679	1679	1679	1679	1679	1679	1679	1679	1679
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0219	1.2315	1.2640	1.1665	1.0458	.0847	1.3204	.8962	19.65

Appendix C2: Transformed Scores for Male Offenders

Imputation Number			SC1_R ecode	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode	Y- LSI TOT AL
1	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0409	1.1936	1.2641	1.1602	1.0492	.0905	1.2752	.8853	19.33
		Median	1.2252	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8406	20.00
		Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69	24
		Std. Deviation	.59011	.50756	.59605	.39964	.67278	.26811	.57200	.53648	7.837
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
2	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0389	1.1881	1.2590	1.1663	1.0483	.0879	1.2726	.8749	19.26
		Median	1.2777	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.7708	19.66
		Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69	24
		Std. Deviation	.59198	.51188	.59551	.39716	.67110	.26592	.57369	.53231	7.808
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
3	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0397	1.2053	1.2647	1.1595	1.0384	.0890	1.2784	.8809	19.36
		Median	1.2580	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8923	20.00
		Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69	24
		Std. Deviation	.59005	.50865	.59545	.39831	.67303	.26519	.57002	.53534	7.810
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
4	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0398	1.2033	1.2726	1.1608	1.0463	.0910	1.2801	.8759	19.38

									Y- LSI TOT AL
Imputation Number	SC1_R ecode	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode	
Median	1.2711	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.7764	20.00
Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69	24
Std. Deviation	.59478	.51103	.59295	.39897	.67467	.26814	.56895	.53342	7.806
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
5 N Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
Missing	0	0	0	0	0	0	0	0	0
Mean	1.0422	1.1994	1.2670	1.1641	1.0485	.0913	1.2826	.8822	19.36
Median	1.2201	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8559	20.00
Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69	24
Std. Deviation	.59089	.51145	.59531	.39327	.67151	.26950	.56616	.53222	7.778
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
6 N Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
Missing	0	0	0	0	0	0	0	0	0
Mean	1.0404	1.1974	1.2667	1.1623	1.0403	.0920	1.2811	.8790	19.31
Median	1.2870	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.7256	20.00
Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69	24
Std. Deviation	.59307	.50837	.59414	.39713	.67243	.27037	.56760	.53274	7.786
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
7 N Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
Missing	0	0	0	0	0	0	0	0	0
Mean	1.0486	1.1969	1.2601	1.1631	1.0420	.0927	1.2792	.8782	19.27
Median	1.2998	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.7543	19.91
Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69	24
Std. Deviation	.59078	.50795	.59657	.39755	.67087	.27235	.56631	.53551	7.766
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40

									Y- LSI TOT AL
Imputation Number		SC1_R ecode	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79
8	N Valid	1321	1321	1321	1321	1321	1321	1321	1321
	Missing	0	0	0	0	0	0	0	0
	Mean	1.0417	1.1972	1.2662	1.1649	1.0491	.0942	1.2796	.8788
	Median	1.2519	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.7911
	Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69
	Std. Deviation	.59343	.51080	.59597	.39575	.67243	.27219	.57043	.53290
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79
9	N Valid	1321	1321	1321	1321	1321	1321	1321	1321
	Missing	0	0	0	0	0	0	0	0
	Mean	1.0458	1.1962	1.2697	1.1677	1.0401	.0943	1.2810	.8822
	Median	1.2648	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8550
	Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69
	Std. Deviation	.59028	.51013	.59391	.39478	.67203	.27199	.56998	.53711
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79
10	N Valid	1321	1321	1321	1321	1321	1321	1321	1321
	Missing	0	0	0	0	0	0	0	0
	Mean	1.0481	1.1950	1.2609	1.1649	1.0407	.0923	1.2769	.8772
	Median	1.2935	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.7501
	Mode	1.61	1.39	1.61	1.10	.00	.00	1.10	.69
	Std. Deviation	.58894	.50757	.59624	.39607	.67490	.26897	.57159	.53381
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79
P o o	N Valid	1321	1321	1321	1321	1321	1321	1321	1321
	Missing	0	0	0	0	0	0	0	0

Imputation Number	SC1_R ecode	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode	Y- LSI TOT AL
le Mean d	1.0426	1.1972	1.2651	1.1634	1.0443	.0915	1.2787	.8794	19.32

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	1
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	35
		Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9409	1.3521	1.2734	1.1785	1.0533	.0634	1.4777	.9425	20.85
		Median	1.0986	1.3863	1.3863	1.0986	1.3637	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.60073	.47977	.51173	.35707	.64601	.21590	.46519	.50862	7.219
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	34
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	1
6	N	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	35
		Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9439	1.3570	1.2594	1.1783	1.0496	.0589	1.4800	.9753	20.93
		Median	1.0986	1.3863	1.3863	1.0986	1.2381	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.59433	.47635	.51045	.35956	.64716	.21261	.46496	.50666	7.264
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	34
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	1
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	35
7	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9541	1.3649	1.2599	1.1849	1.0600	.0558	1.4691	.9569	20.91
		Median	1.0986	1.3863	1.3863	1.0986	1.2593	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.59615	.47512	.50933	.35387	.64238	.20066	.46206	.50468	7.242
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	34
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	1
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	35
		Valid	358	358	358	358	358	358	358	358	358
8	N	Missing	0	0	0	0	0	0	0	0	0
		Mean	.9385	1.3627	1.2437	1.1782	1.0521	.0597	1.4674	.9562	20.71
		Median	1.0986	1.3863	1.3863	1.0986	1.2382	.0000	1.6094	1.0986	21.40
		Mode	1.39	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.59883	.47583	.51777	.34757	.64569	.21213	.47446	.50353	7.281

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
9		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	34
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	1
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	35
	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9470	1.3526	1.2654	1.1783	1.0503	.0581	1.4751	.9603	20.84
		Median	1.0986	1.3863	1.3863	1.0986	1.1754	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.60336	.47910	.50764	.35515	.64619	.20901	.46599	.50534	7.255
10		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	34
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	1
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	35
	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9471	1.3568	1.2651	1.1751	1.0538	.0585	1.4672	.9550	20.80
		Median	1.0986	1.3863	1.3863	1.0986	1.3130	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.60048	.47808	.51746	.35509	.64930	.20813	.47172	.50633	7.370
Pool ed		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	1
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9454	1.3579	1.2598	1.1782	1.0513	.0597	1.4743	.9581	20.84

Appendix C4: Transformed Scores for Black Offenders

Imputation Number		SC1_Re code	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode	Y- LSI TOT AL
1	N Valid	455	455	455	455	455	455	455	455	455
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2032	1.2690	1.3594	1.2322	1.1679	.0574	1.3059	.8580	20.83
	Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6931	21.00
	Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	.69	23
	Std. Deviation	.49543	.44164	.50209	.34609	.62059	.23903	.57296	.49813	6.844
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
2	N Valid	456	456	456	456	456	456	456	456	456
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2007	1.2679	1.3564	1.2297	1.1708	.0565	1.3054	.8501	20.78
	Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6931	21.00
	Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	.69	23
	Std. Deviation	.49603	.44361	.50542	.34913	.62012	.23908	.57384	.49908	6.806
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
3	N Valid	455	455	455	455	455	455	455	455	455
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2007	1.2720	1.3632	1.2305	1.1694	.0537	1.3077	.8561	20.85
	Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6931	21.00
	Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	.69	23
	Std. Deviation	.49669	.44336	.50008	.34602	.61894	.23470	.57434	.49833	6.830
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
4	N Valid	455	455	455	455	455	455	455	455	455
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2009	1.2669	1.3594	1.2289	1.1668	.0568	1.3049	.8536	20.76

Imputation Number	SC1_Re code	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode	Y- LSI TOT AL
Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6931	21.00
Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	.69	23
Std. Deviation	.49634	.44349	.50269	.34752	.61943	.23794	.57157	.49517	6.841
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
5 N Valid	455	455	455	455	455	455	455	455	455
Missing	0	0	0	0	0	0	0	0	0
Mean	1.2011	1.2693	1.3611	1.2283	1.1692	.0573	1.3085	.8527	20.76
Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6931	21.00
Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	.69	23
Std. Deviation	.49722	.44163	.49844	.34716	.62011	.23902	.57182	.49491	6.796
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
6 N Valid	455	455	455	455	455	455	455	455	455
Missing	0	0	0	0	0	0	0	0	0
Mean	1.2016	1.2713	1.3624	1.2299	1.1684	.0573	1.3079	.8604	20.84
Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6931	21.00
Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	.69	23
Std. Deviation	.49752	.44285	.49933	.34856	.62210	.24034	.57115	.49513	6.809
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
7 N Valid	455	455	455	455	455	455	455	455	455
Missing	0	0	0	0	0	0	0	0	0
Mean	1.2060	1.2681	1.3594	1.2307	1.1695	.0560	1.3080	.8572	20.83
Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6931	21.00
Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	.69	23
Std. Deviation	.49496	.44206	.49858	.34744	.61947	.23806	.57187	.49588	6.833
Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38

Y-LSI									
Imputation Number	SC1_Re code	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode	TOTAL
8	Minimum	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38
	N Valid	455	455	455	455	455	455	455	455
	Missing	0	0	0	0	0	0	0	0
	Mean	1.2048	1.2696	1.3559	1.2308	1.1692	.0594	1.3043	20.77
	Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	21.00
	Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	23
	Std. Deviation	.49424	.44406	.50043	.34609	.61852	.24204	.57149	6.823
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38
9	Minimum	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38
	N Valid	455	455	455	455	455	455	455	455
	Missing	0	0	0	0	0	0	0	0
	Mean	1.1988	1.2676	1.3571	1.2314	1.1645	.0547	1.3008	20.74
	Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	21.00
	Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	23
	Std. Deviation	.49722	.44149	.50051	.34645	.61988	.23617	.57265	6.808
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38
10	Minimum	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38
	N Valid	455	455	455	455	455	455	455	455
	Missing	0	0	0	0	0	0	0	0
	Mean	1.2015	1.2627	1.3565	1.2319	1.1698	.0554	1.3042	20.76
	Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	21.00
	Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	23
	Std. Deviation	.49590	.44533	.50426	.34676	.62051	.23745	.57230	6.854
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38
P o o	Minimum	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38
	N Valid	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1
	Missing	0	0	0	0	0	0	0	0
	Mean	1.2015	1.2627	1.3565	1.2319	1.1698	.0554	1.3042	20.76
	Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	21.00
	Mode	1.61	1.39	1.61	1.10	1.61	.00	1.10	23
	Std. Deviation	.49590	.44533	.50426	.34676	.62051	.23745	.57230	6.854
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	38

Imputation Number	SC1_Re code	SC2_Rec ode	SC3_Rec ode	SC4_Rec ode	SC5_Rec ode	SC6_Rec ode	SC7_Rec ode	SC8_Rec ode	Y- LSI TOT AL
l Mean e d	1.2019	1.2685	1.3591	1.2304	1.1685	.0565	1.3058	.8557	20.79

Appendix C5: Transformed Scores for White Offenders

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	1169	1169	1169	1169	1169	1169	1169	1169	1169
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9385	1.2084	1.2230	1.1352	.9946	.0950	1.3209	.9124	19.09
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	20.00
		Mode	.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
		Std. Deviation	.61381	.53027	.60493	.40668	.67861	.26370	.55322	.54525	8.076
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
2	N	Valid	1167	1167	1167	1167	1167	1167	1167	1167	1167
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9367	1.2044	1.2146	1.1414	.9928	.0944	1.3179	.9034	19.00
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	19.58
		Mode	.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
		Std. Deviation	.61566	.53341	.60277	.40389	.67731	.26399	.55621	.54122	8.053
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
3	N	Valid	1171	1171	1171	1171	1171	1171	1171	1171	1171
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9375	1.2234	1.2187	1.1352	.9809	.0949	1.3207	.9111	19.11
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	19.90
		Mode	.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
		Std. Deviation	.61386	.52980	.60189	.40442	.67780	.26147	.55297	.54593	8.032
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
4	N	Valid	1167	1167	1167	1167	1167	1167	1167	1167	1167
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9361	1.2170	1.2361	1.1373	.9911	.0955	1.3289	.9085	19.17
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	20.00
		Mode	.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
		Std. Deviation	.61794	.53450	.60161	.40626	.68016	.26396	.55093	.54292	8.044
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	N	Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
	Missing		0	0	0	0	0	0	0	0	0
	Mean		.9390	1.2134	1.2293	1.1412	.9936	.0979	1.3277	.9071	19.14
	Median		1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	20.00
	Mode		.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
	Std. Deviation		.61575	.53342	.60265	.40081	.67655	.26742	.54659	.54192	8.015
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
6	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	N	Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
	Missing		0	0	0	0	0	0	0	0	0
	Mean		.9366	1.2114	1.2247	1.1384	.9848	.0970	1.3273	.9124	19.09
	Median		1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	19.69
	Mode		.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
	Std. Deviation		.61490	.52919	.60159	.40521	.67687	.26732	.54901	.54313	8.034
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
7	N	Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
	Missing		0	0	0	0	0	0	0	0	0
	Mean		.9478	1.2153	1.2187	1.1414	.9891	.0970	1.3229	.9071	19.04
	Median		1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	19.73
	Mode		.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
	Std. Deviation		.61509	.52986	.60398	.40464	.67521	.26738	.54489	.54445	7.997
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	8	N	Valid	1167	1167	1167	1167	1167	1167	1167	1167
Missing		0	0	0	0	0	0	0	0	0	
Mean		.9354	1.2130	1.2217	1.1407	.9934	.0989	1.3225	.9068	19.08	
Median		1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	20.00	
Mode		.00	1.39	1.39	1.10	.00	.00	1.79	.69	24	
Std. Deviation		.61779	.53163	.60426	.40137	.67814	.26866	.55366	.54145	8.049	

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
9	N	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Valid		1167	1167	1167	1167	1167	1167	1167	1167	1167
		Missing	0	0	0	0	0	0	0	0	0
	Mean		.9449	1.2107	1.2323	1.1440	.9854	.0998	1.3289	.9108	19.14
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	20.00
		Mode	.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
		Std. Deviation	.61653	.53189	.59999	.40253	.67745	.26876	.55124	.54606	8.086
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
10	N	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Valid		1168	1168	1168	1168	1168	1168	1168	1168	1168
		Missing	0	0	0	0	0	0	0	0	0
	Mean		.9469	1.2125	1.2230	1.1397	.9849	.0983	1.3195	.9055	19.02
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.3863	1.0986	19.26
		Mode	.00	1.39	1.39	1.10	.00	.00	1.79	.69	24
		Std. Deviation	.61471	.52828	.60255	.40336	.68057	.26588	.55458	.54372	8.094
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Po ol ed	N	Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
		Missing	0	0	0	0	0	0	0	0	0
	Mean		.9399	1.2130	1.2242	1.1395	.9890	.0969	1.3237	.9085	19.09

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
	Valid		22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3541	1.2394	1.3636	1.2768	1.2282	.0502	1.3920	.9803	22.39
		Median	1.3863	1.3863	1.3863	1.3863	1.4979	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.61	1.39 ^a	1.10 ^a	1.39 ^a	.00	1.79	1.10	17
		Std. Deviation	.35536	.47600	.59128	.31779	.66422	.23417	.54522	.37154	6.568
		Range	1.79	1.95	2.03	.92	1.79	1.10	2.08	1.79	28
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	2.03	1.61	1.79	1.10	2.08	1.79	35
			22	22	22	22	22	22	22	22	22
6	N	Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	2.03	1.61	1.79	1.10	2.08	1.79	35
	Valid		22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3726	1.2757	1.3210	1.2588	1.1768	.0563	1.3914	.9818	22.14
		Median	1.3863	1.3863	1.3863	1.2499	1.3863	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.61	1.39 ^a	1.10 ^a	1.39 ^a	.00	1.79	1.10	17
		Std. Deviation	.35663	.48542	.57410	.31519	.66997	.23471	.54484	.37144	6.468
		Range	1.79	1.95	1.95	.92	1.79	1.10	2.08	1.79	28
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
			23	23	23	23	23	23	23	23	23
7	N	Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
	Valid		23	23	23	23	23	23	23	23	23
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3648	1.2704	1.3189	1.2403	1.2401	.0687	1.3926	.9820	22.10
		Median	1.3863	1.3863	1.3863	1.0986	1.4059	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.61	1.39	1.10	1.79	.00	1.79	1.10	17 ^a
		Std. Deviation	.34528	.46762	.56363	.32000	.65339	.24584	.53013	.37306	6.399
		Range	1.79	1.95	1.95	.92	1.79	1.10	2.08	1.79	28
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
			22	22	22	22	22	22	22	22	22
8	N	Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
	Valid		22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3396	1.2788	1.3629	1.2650	1.2212	.0689	1.3989	1.0062	22.73
		Median	1.3863	1.3863	1.3863	1.3173	1.4645	.0000	1.6094	1.0986	22.00
		Mode	1.39	1.61	1.39 ^a	1.10 ^a	1.39 ^a	.00	1.79	1.10	17
		Std. Deviation	.36885	.48901	.59052	.31354	.65987	.24663	.55098	.38815	7.022

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
9	N	Range	1.79	1.95	2.02	.92	1.79	1.10	2.08	1.79	28
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	2.02	1.61	1.79	1.10	2.08	1.79	35
	Valid		22	22	22	22	22	22	22	22	22
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3784	1.2185	1.3534	1.2643	1.1963	.0880	1.3770	.9704	22.02
		Median	1.3863	1.3863	1.3863	1.3102	1.3863	.0000	1.5185	1.0986	21.50
		Mode	1.39	1.61	1.39 ^a	1.10 ^a	1.39 ^a	.00	1.79	1.10	17
		Std. Deviation	.36129	.49765	.58102	.31359	.65748	.28772	.53921	.37550	6.492
		Range	1.79	1.95	1.95	.92	1.79	1.10	2.08	1.79	28
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
10	N	Range	1.79	1.95	1.95	.92	1.79	1.10	2.08	1.79	28
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
	Valid		23	23	23	23	23	23	23	23	23
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3649	1.2493	1.3142	1.2537	1.2375	.0769	1.3900	.9583	22.06
		Median	1.3863	1.3863	1.3863	1.1739	1.5052	.0000	1.5947	1.0986	22.00
		Mode	1.39	1.61	1.39 ^a	1.10 ^a	1.39 ^a	.00	1.79	1.10	17
		Std. Deviation	.35245	.47475	.60566	.30921	.64967	.24484	.52932	.37695	6.331
		Range	1.79	1.95	1.95	.92	1.79	1.10	2.08	1.79	28
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	7
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
Pooled	N	Valid	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3626	1.2594	1.3389	1.2616	1.2149	.0711	1.3871	.9812	22.24

a. Multiple modes exist. The smallest value is shown

Appendix C7: Transformed Scores for “Other” Race

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1 N	Valid	33	33	33	33	33	33	33	33	33
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2045	1.3609	1.3107	1.1789	1.2453	.0765	1.3511	.9921	21.93
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.5742	1.0986	23.00
	Mode	1.61	1.39	1.39 ^a	1.10	1.61	.00	.69	1.10	19 ^a
	Std. Deviation	.53864	.46649	.59710	.28461	.65239	.25205	.47280	.52215	5.616
	Range	1.61	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
	Minimum	.00	.00	.00	.00	.00	.00	.69	.00	8
	Maximum	1.61	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
2 N	Valid	34	34	34	34	34	34	34	34	34
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2205	1.3485	1.3459	1.1790	1.2465	.0689	1.3422	.9419	21.87
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	23.00
	Mode	1.61	1.39	1.39	1.10	1.61	.00	.69	1.10	19 ^a
	Std. Deviation	.53857	.44967	.56099	.27996	.64538	.23546	.47820	.53342	5.629
	Range	1.75	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
	Minimum	.00	.00	.00	.00	.00	.00	.69	.00	8
	Maximum	1.75	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
3 N	Valid	31	31	31	31	31	31	31	31	31
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.1854	1.3322	1.3337	1.1851	1.2052	.0354	1.3723	.9708	21.77
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	23.00
	Mode	1.61	1.39	1.39 ^a	1.10	1.61	.00	.69 ^a	1.10	18 ^a
	Std. Deviation	.54990	.46648	.57661	.29278	.66143	.19732	.47336	.52686	5.829
	Range	1.61	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
	Minimum	.00	.00	.00	.00	.00	.00	.69	.00	8
	Maximum	1.61	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
4 N	Valid	34	34	34	34	34	34	34	34	34
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2097	1.3666	1.2891	1.1775	1.2516	.0527	1.3597	.9529	21.85
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	23.00
	Mode	1.61	1.39	1.39	1.10	1.61	.00	.69	1.10	19 ^a
	Std. Deviation	.53121	.46117	.59654	.28026	.64908	.21971	.46821	.54339	5.620
	Range	1.61	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5 N	Minimum	.00	.00	.00	.00	.00	.00	.69	.00	8
	Maximum	1.61	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
	Valid	34	34	34	34	34	34	34	34	34
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.1903	1.3670	1.3080	1.1711	1.2561	.0559	1.3682	.9942	22.02
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	23.00
	Mode	1.61	1.39	1.39	1.10	1.61	.00	.69	1.10	19 ^a
	Std. Deviation	.52823	.46119	.58720	.28458	.64852	.21972	.47550	.52171	5.556
	Range	1.61	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
	Minimum	.00	.00	.00	.00	.00	.00	.69	.00	8
6 N	Maximum	1.61	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
	Valid	34	34	34	34	34	34	34	34	34
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2189	1.3573	1.3180	1.1840	1.2451	.0576	1.3592	.9243	21.79
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	22.50
	Mode	1.61	1.39	1.39	1.10	1.61	.00	.69	1.10	19 ^a
	Std. Deviation	.53697	.45224	.55455	.28092	.64460	.22036	.46819	.53329	5.607
	Range	1.70	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
	Minimum	.00	.00	.00	.00	.00	.00	.69	.00	8
	Maximum	1.70	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
7 N	Valid	33	33	33	33	33	33	33	33	33
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.1990	1.3352	1.3148	1.1808	1.2168	.0592	1.3173	.9230	21.58
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	22.00
	Mode	1.61	1.39	1.39 ^a	1.10	1.61	.00	.69	1.10	19
	Std. Deviation	.53752	.45543	.56369	.28404	.64430	.22348	.51139	.54668	5.698
	Range	1.61	1.95	1.95	1.61	1.79	1.10	1.71	1.79	26
	Minimum	.00	.00	.00	.00	.00	.00	.24	.00	8
	Maximum	1.61	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
	Valid	35	35	35	35	35	35	35	35	35
8 N	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.2229	1.3720	1.2935	1.1886	1.2664	.0521	1.3712	.9558	22.05
	Median	1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	23.00
	Mode	1.61	1.39	1.39	1.10	1.61	.00	.69	1.10	19 ^a
	Std. Deviation	.52916	.45547	.58829	.28387	.64547	.21648	.46630	.53563	5.654

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range		1.67	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
Minimum		.00	.00	.00	.00	.00	.00	.69	.00	8
Maximum		1.67	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
9 N	Valid	35	35	35	35	35	35	35	35	35
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.2007	1.3694	1.2850	1.1781	1.2549	.0586	1.3508	.9678	21.72
Median		1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	23.00
Mode		1.61	1.39	1.39	1.10	1.61	.00	.69	1.10	19 ^a
Std. Deviation		.52604	.45464	.58822	.27613	.63976	.21928	.46429	.54260	5.591
Range		1.61	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
Minimum		.00	.00	.00	.00	.00	.00	.69	.00	8
Maximum		1.61	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
1 N	Valid	33	33	33	33	33	33	33	33	33
0	Missing	0	0	0	0	0	0	0	0	0
Mean		1.1976	1.3592	1.2949	1.1799	1.2407	.0333	1.3799	.9818	21.94
Median		1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.6094	1.0986	23.00
Mode		1.61	1.39	1.39	1.10	1.61	.00	.69 ^a	1.10	24 ^a
Std. Deviation		.53465	.46628	.60483	.28425	.65601	.19124	.46018	.52466	5.684
Range		1.61	1.95	1.95	1.61	1.79	1.10	1.25	1.79	26
Minimum		.00	.00	.00	.00	.00	.00	.69	.00	8
Maximum		1.61	1.95	1.95	1.61	1.79	1.10	1.95	1.79	34
P N	Valid	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
o	Missing	0	0	0	0	0	0	0	0	0
o										
l	Mean	1.2050	1.3568	1.3094	1.1803	1.2429	.0550	1.3572	.9605	21.85
e										
d										

a. Multiple modes exist. The smallest value is shown

Appendix C8: Transformed Scores for non-Hispanic Offenders

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1 N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.0162	1.2229	1.2570	1.1622	1.0442	.0853	1.3157	.8973	19.57
	Median	1.0986	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0296	20.00
	Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation	.59526	.50938	.58212	.39180	.66947	.25898	.55816	.53219	7.795
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
2 N	Valid	1631	1631	1631	1631	1631	1631	1631	1631	1631
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.0141	1.2204	1.2535	1.1672	1.0435	.0837	1.3145	.8906	19.52
	Median	1.1025	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9785	20.00
	Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation	.59691	.51223	.58086	.38989	.66832	.25797	.56071	.52882	7.777
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
3 N	Valid	1633	1633	1633	1633	1633	1633	1633	1633	1633
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.0137	1.2338	1.2560	1.1616	1.0320	.0837	1.3164	.8964	19.59
	Median	1.0986	1.3863	1.3863	1.0986	1.2922	.0000	1.3863	1.0533	20.00
	Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation	.59558	.50903	.57957	.39038	.66853	.25573	.55839	.53268	7.765
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
4 N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.0148	1.2290	1.2672	1.1631	1.0410	.0855	1.3221	.8934	19.62
	Median	1.1360	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9844	20.00
	Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
	Std. Deviation	.59896	.51286	.57948	.39138	.67009	.25897	.55645	.52977	7.765
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
5 N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0167	1.2271	1.2652	1.1657	1.0439	.0865	1.3223	.8928	19.61
Median		1.1301	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0158	20.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
Std. Deviation		.59619	.51049	.57888	.38747	.66766	.26081	.55323	.52890	7.733
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
6 N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0154	1.2271	1.2601	1.1635	1.0362	.0865	1.3218	.8973	19.58
Median		1.1039	1.3863	1.3863	1.0986	1.3612	.0000	1.3863	1.0437	20.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
Std. Deviation		.59700	.50895	.57870	.39095	.66866	.26155	.55497	.52952	7.759
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
7 N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0233	1.2273	1.2553	1.1656	1.0406	.0863	1.3170	.8920	19.53
Median		1.2075	1.3863	1.3863	1.0986	1.3526	.0000	1.3863	.9720	20.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
Std. Deviation		.59537	.50873	.58029	.39030	.66628	.26121	.55251	.53095	7.737
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
8 N	Valid	1633	1633	1633	1633	1633	1633	1633	1633	1633
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0151	1.2270	1.2560	1.1662	1.0442	.0881	1.3179	.8930	19.56
Median		1.0986	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0139	20.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
Std. Deviation		.59845	.51062	.58143	.38748	.66816	.26277	.55816	.52874	7.780

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
9 N	Valid	1631	1631	1631	1631	1631	1631	1631	1631	1631
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0213	1.2248	1.2637	1.1686	1.0356	.0878	1.3208	.8974	19.59
Median		1.1594	1.3863	1.3863	1.0986	1.3244	.0000	1.3863	1.0185	20.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
Std. Deviation		.59628	.51072	.57787	.38846	.66854	.26219	.55673	.53240	7.787
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
1 N 0	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0221	1.2252	1.2567	1.1656	1.0367	.0862	1.3159	.8915	19.52
Median		1.1912	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9611	20.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
Std. Deviation		.59504	.50851	.58146	.38836	.67128	.25931	.55881	.52970	7.806
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
P N o o l e d	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0173	1.2265	1.2591	1.1649	1.0398	.0860	1.3184	.8942	19.57

Appendix C9: Transformed Scores for Hispanic Offenders

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1808	1.4229	1.4718	1.2198	1.2291	.0414	1.4005	.9877	22.72
		Median	1.3863	1.3863	1.6094	1.3004	1.3863	.0000	1.6094	1.0986	23.00
		Mode	1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
		Std. Deviation	.48568	.34429	.50302	.33114	.56444	.17883	.49976	.48456	4.816
		Range	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	10
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
2	N	Valid	48	48	48	48	48	48	48	48	48
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.2067	1.3996	1.3963	1.1954	1.2428	.0678	1.3643	.9082	21.96
		Median	1.3863	1.3863	1.6094	1.0986	1.3863	.0000	1.6094	1.0986	22.20
		Mode	1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
		Std. Deviation	.47127	.35125	.53665	.34001	.56810	.22372	.50313	.52603	5.071
		Range	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	10
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
3	N	Valid	46	46	46	46	46	46	46	46	46
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.2055	1.4244	1.4617	1.2381	1.2872	.0353	1.4060	.9662	22.73
		Median	1.3863	1.3863	1.6094	1.3643	1.5991	.0000	1.6094	1.0986	23.00
		Mode	1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
		Std. Deviation	.47842	.34705	.50442	.32010	.56611	.16978	.50204	.48884	4.745
		Range	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	10
		Maximum	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
4	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1842	1.4134	1.4322	1.2167	1.2613	.0360	1.3917	.9682	22.27
		Median	1.3863	1.3863	1.6094	1.0986	1.4369	.0000	1.6094	1.0986	23.00
		Mode	1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
		Std. Deviation	.47066	.33587	.50070	.32912	.55896	.16621	.48965	.48744	4.881
		Range	1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25

Imputation Number				SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Valid		.00	.00	.00	.00	.00	.00	.00	.00	10
		Maximum		1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
		Valid		47	47	47	47	47	47	47	47	47
		Missing		0	0	0	0	0	0	0	0	0
		Mean		1.1536	1.4018	1.3784	1.2184	1.2449	.0479	1.3893	.9721	22.08
		Median		1.3863	1.3863	1.6094	1.1210	1.4602	.0000	1.6094	1.0986	23.00
		Mode		1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
		Std. Deviation		.51135	.40632	.55486	.32097	.57718	.19336	.50443	.48319	5.275
		Range		1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	29
		Minimum		.00	.00	.00	.00	.00	.00	.00	.00	6
6	N	Valid		1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
		Maximum		47	47	47	47	47	47	47	47	47
		Valid		47	47	47	47	47	47	47	47	47
		Missing		0	0	0	0	0	0	0	0	0
		Mean		1.1751	1.3842	1.4393	1.2440	1.2551	.0306	1.3836	.9755	22.29
		Median		1.3863	1.3863	1.6094	1.3863	1.4518	.0000	1.6094	1.0986	23.00
		Mode		1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
		Std. Deviation		.47902	.35249	.49611	.32414	.57045	.16271	.49078	.49555	4.797
		Range		1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25
		Minimum		.00	.00	.00	.00	.00	.00	.00	.00	10
7	N	Valid		1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
		Maximum		47	47	47	47	47	47	47	47	47
		Valid		47	47	47	47	47	47	47	47	47
		Missing		0	0	0	0	0	0	0	0	0
		Mean		1.2071	1.4194	1.4259	1.2396	1.2282	.0337	1.4149	.9969	22.64
		Median		1.3863	1.3863	1.6094	1.3863	1.3863	.0000	1.6094	1.0986	23.00
		Mode		1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	22 ^a
		Std. Deviation		.47601	.33985	.50770	.32118	.58688	.16507	.49739	.48719	4.690
		Range		1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25
		Minimum		.00	.00	.00	.00	.00	.00	.00	.00	10
8	N	Valid		1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
		Maximum		46	46	46	46	46	46	46	46	46
		Valid		46	46	46	46	46	46	46	46	46
		Missing		0	0	0	0	0	0	0	0	0
		Mean		1.1832	1.4271	1.4518	1.2228	1.2466	.0399	1.3812	.9775	22.57
		Median		1.3863	1.3863	1.6094	1.2863	1.4979	.0000	1.6094	1.0986	23.00
		Mode		1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
		Std. Deviation		.47418	.35404	.50026	.32431	.58288	.17646	.49867	.48302	4.683

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range			1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	10
Maximum			1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
9	N	Valid	48	48	48	48	48	48	48	48	48
		Missing	0	0	0	0	0	0	0	0	0
Mean			1.1407	1.3887	1.4434	1.2146	1.2697	.0441	1.3755	.9475	22.14
Median			1.3863	1.3863	1.6094	1.1206	1.3863	.0000	1.6094	1.0986	23.00
Mode			1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	24 ^a
Std. Deviation			.51460	.35544	.50077	.31647	.54899	.17727	.49720	.49586	5.084
Range			1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	25
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	10
Maximum			1.79	1.95	1.95	1.61	1.79	1.10	2.08	1.79	35
1	N	Valid	47	47	47	47	47	47	47	47	47
0		Missing	0	0	0	0	0	0	0	0	0
Mean			1.1809	1.3805	1.4402	1.2174	1.2779	.0458	1.3723	.9728	22.07
Median			1.3863	1.3863	1.6094	1.3863	1.3949	.0000	1.6094	1.0986	23.00
Mode			1.61	1.39	1.61	1.10	1.61	.00	1.79	.69	25
Std. Deviation			.48427	.36702	.50836	.36117	.55521	.18233	.49900	.49851	5.399
Range			1.79	1.95	1.96	1.61	1.79	1.10	2.08	1.79	26
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	9
Maximum			1.79	1.95	1.96	1.61	1.79	1.10	2.08	1.79	35
P	N	Valid	47	47	47	47	47	47	47	47	47
o		Missing	0	0	0	0	0	0	0	0	0
o		Mean	1.1818	1.4062	1.4341	1.2227	1.2543	.0423	1.3879	.9673	22.35
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a. Multiple modes exist. The smallest value is shown

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Valid	992	992	992	992	992	992	992	992	992
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9249	1.1290	1.2170	1.1290	.9977	.0799	1.2247	.8388	18.05
		Median	1.0986	1.2164	1.3863	1.0986	1.1262	.0000	1.3863	.6931	18.33
		Mode	.00	1.39	1.39	1.10	.00	.00	1.10	.69	19
		Std. Deviation	.60629	.53350	.59948	.40067	.67089	.24408	.57531	.53103	7.743
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
6	N	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Valid	1003	1003	1003	1003	1003	1003	1003	1003	1003
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9192	1.1266	1.2143	1.1273	.9850	.0868	1.2249	.8407	17.97
		Median	1.0986	1.2100	1.3863	1.0986	1.0986	.0000	1.3863	.6931	18.00
		Mode	.00	1.39	1.10	1.10	.00	.00	1.10	.69	19
		Std. Deviation	.60054	.53034	.58957	.40085	.67104	.25470	.57553	.53573	7.734
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
7	N	Valid	969	969	969	969	969	969	969	969	969
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9290	1.1283	1.2205	1.1271	.9907	.0778	1.2185	.8293	17.94
		Median	1.0986	1.1740	1.3863	1.0986	1.0986	.0000	1.3863	.6931	18.00
		Mode	.00	1.39	1.10	1.10	.00	.00	1.10	.69	19
		Std. Deviation	.60416	.53303	.59325	.40246	.66722	.24431	.57666	.53235	7.760
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Valid	993	993	993	993	993	993	993	993	993
8	N	Missing	0	0	0	0	0	0	0	0	0
		Mean	.9161	1.1257	1.2171	1.1232	.9979	.0836	1.2237	.8356	17.97
		Median	1.0986	1.0986	1.3863	1.0986	1.0986	.0000	1.3863	.6931	18.00
		Mode	.00	1.39	1.10	1.10	.00	.00	1.10	.69	17
		Std. Deviation	.60647	.52877	.60056	.40480	.66852	.25468	.58015	.53192	7.756

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
9	N	Valid	1007	1007	1007	1007	1007	1007	1007	1007	1007
		Missing	0	0	0	0	0	0	0	0	0
Mean			.9213	1.1295	1.2320	1.1291	.9848	.0793	1.2350	.8421	18.08
Median			1.0986	1.1888	1.3863	1.0986	1.0986	.0000	1.3863	.6931	18.29
Mode			.00	1.39	1.10	1.10	.00	.00	1.10	.69	19
Std. Deviation			.60459	.53175	.58921	.40080	.67118	.24234	.57784	.53863	7.797
Range			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
1	N	Valid	985	985	985	985	985	985	985	985	985
0		Missing	0	0	0	0	0	0	0	0	0
Mean			.9318	1.1250	1.2277	1.1318	.9894	.0826	1.2204	.8400	18.03
Median			1.0986	1.1144	1.3863	1.0986	1.0986	.0000	1.3863	.6931	18.00
Mode			.00	1.39	1.10	1.10	.00	.00	1.10	.69	17 ^a
Std. Deviation			.60055	.53182	.59006	.39858	.67246	.25377	.58145	.53547	7.857
Range			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
P	N	Valid	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8
o		Missing	0	0	0	0	0	0	0	0	0
o		Mean	.9219	1.1283	1.2204	1.1265	.9925	.0797	1.2237	.8366	18.01
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a. Multiple modes exist. The smallest value is shown

Appendix C11: Transformed Scores for Offender with CHS

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	682	682	682	682	682	682	682	682	682
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.1604	1.3771	1.3283	1.2269	1.1231	.0930	1.4488	.9711	21.92
	Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.00
	Mode		1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
	Std. Deviation		.54898	.42304	.54959	.36174	.65302	.27768	.49943	.51622	7.000
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
2	N	Valid	698	698	698	698	698	698	698	698	698
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.1694	1.3718	1.3351	1.2315	1.1160	.0902	1.4566	.9842	21.99
	Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.47
	Mode		1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
	Std. Deviation		.54182	.43798	.54516	.35942	.65073	.26831	.49480	.51181	7.015
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
3	N	Valid	683	683	683	683	683	683	683	683	683
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.1605	1.3787	1.3226	1.2181	1.1172	.0926	1.4579	.9847	22.00
	Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	23.00
	Mode		1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
	Std. Deviation		.55040	.43580	.54032	.36554	.65307	.27969	.48601	.51629	7.016
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
4	N	Valid	694	694	694	694	694	694	694	694	694
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.1658	1.3864	1.3248	1.2177	1.1233	.0963	1.4683	.9956	22.07
	Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.66
	Mode		1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
	Std. Deviation		.55242	.43133	.55170	.36365	.65770	.28217	.48517	.50501	6.882
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Valid	.00	.00	.00	.00	.00	.00	.00	.00	0
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1588	1.3808	1.3426	1.2223	1.1244	.0933	1.4679	.9763	22.02
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.76
		Mode	1.61	1.39	1.39	1.10	1.61	.00	1.79	.69	23
		Std. Deviation	.54815	.42899	.53826	.35634	.65202	.27958	.48154	.51247	6.964
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Mean	1.1692	1.3871	1.3406	1.2227	1.1274	.0822	1.4699	.9868	22.17
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	23.00
		Mode	1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
6	N	Valid	.00	.00	.00	.00	.00	.00	.00	.00	0
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1692	1.3871	1.3406	1.2227	1.1274	.0822	1.4699	.9868	22.17
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	23.00
		Mode	1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
		Std. Deviation	.55298	.42180	.55009	.36462	.65207	.26646	.48298	.50580	6.940
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Mean	1.1642	1.3752	1.3140	1.2231	1.1212	.0944	1.4579	.9845	21.91
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.00
		Mode	1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
7	N	Valid	.00	.00	.00	.00	.00	.00	.00	.00	0
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1642	1.3752	1.3140	1.2231	1.1212	.0944	1.4579	.9845	21.91
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.00
		Mode	1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
		Std. Deviation	.54954	.42674	.55468	.36196	.65436	.27794	.48142	.51358	6.958
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Mean	1.1697	1.3871	1.3255	1.2322	1.1247	.0915	1.4584	.9817	22.07
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	23.00
		Mode	1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
8	N	Valid	.54696	.43203	.54322	.34712	.65717	.26969	.48867	.50937	7.012
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1697	1.3871	1.3255	1.2322	1.1247	.0915	1.4584	.9817	22.07
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	23.00
		Mode	1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
		Std. Deviation	.54696	.43203	.54322	.34712	.65717	.26969	.48867	.50937	7.012

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
9	N Valid	672	672	672	672	672	672	672	672	672
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.1797	1.3794	1.3240	1.2311	1.1285	.0976	1.4533	.9839	22.04
Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.00
Mode		1.61	1.39 ^a	1.39	1.10	1.61	.00	1.79	.69	23
Std. Deviation		.54322	.42769	.55266	.35587	.65026	.28473	.49116	.50884	6.999
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
1	N Valid	694	694	694	694	694	694	694	694	694
0	Missing	0	0	0	0	0	0	0	0	0
Mean		1.1610	1.3778	1.3102	1.2172	1.1202	.0886	1.4553	.9701	21.79
Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.6094	1.0986	22.00
Mode		1.61	1.61	1.39	1.10	1.61	.00	1.79	.69	23
Std. Deviation		.55462	.42424	.56277	.36598	.65781	.26289	.48907	.51012	7.057
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
P	N Valid	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2
o	Missing	0	0	0	0	0	0	0	0	0
o	Mean	1.1658	1.3801	1.3268	1.2243	1.1226	.0920	1.4594	.9819	22.00
l										
e										
d										

a. Multiple modes exist. The smallest value is shown

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL	
5	N	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0	
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
	Valid	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	
		Missing	0	0	0	0	0	0	0	0	0	
	Mean	.9990	1.2231	1.2519	1.1561	1.0392	.0870	1.3079	.8797	19.34		
	Median	1.0986	1.3863	1.3863	1.0986	1.3534	.0000	1.3863	.9072	20.00		
	Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23		
	Std. Deviation	.59940	.51005	.58129	.39071	.66615	.26127	.55309	.52679	7.569		
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40		
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0		
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40		
	6	N	Valid	1546	1546	1546	1546	1546	1546	1546	1546	1546
Missing			0	0	0	0	0	0	0	0	0	
Mean		1.0033	1.2222	1.2483	1.1597	1.0367	.0860	1.3087	.8853	19.37		
Median		1.0986	1.3863	1.3863	1.0986	1.3819	.0000	1.3863	.9239	20.00		
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23		
Std. Deviation		.60010	.50731	.58159	.39027	.66675	.26212	.55451	.52871	7.618		
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40		
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0		
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40		
7		N	Valid	1566	1566	1566	1566	1566	1566	1566	1566	1566
			Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0067	1.2231	1.2445	1.1564	1.0325	.0856	1.3029	.8795	19.29	
	Median	1.0986	1.3863	1.3863	1.0986	1.2637	.0000	1.3863	.8821	20.00		
	Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23		
	Std. Deviation	.59957	.50764	.58226	.39403	.66604	.25982	.55316	.52947	7.598		
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40		
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0		
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40		
	8	N	Valid	1569	1569	1569	1569	1569	1569	1569	1569	1569
			Missing	0	0	0	0	0	0	0	0	0
		Mean	.9976	1.2239	1.2453	1.1561	1.0355	.0882	1.3040	.8818	19.32	
Median		1.0986	1.3863	1.3863	1.0986	1.3409	.0000	1.3863	.9333	20.00		
Mode		1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23		
Std. Deviation		.60178	.51039	.58395	.39105	.66770	.26302	.55832	.52801	7.635		

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
9	N	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Valid	1538	1538	1538	1538	1538	1538	1538	1538	1538
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0101	1.2195	1.2529	1.1653	1.0352	.0861	1.3062	.8829	19.37
		Median	1.0986	1.3863	1.3863	1.0986	1.3521	.0000	1.3863	.9517	20.00
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.59798	.51090	.57953	.38754	.66675	.26099	.55701	.53171	7.661
10	N	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Valid	1568	1568	1568	1568	1568	1568	1568	1568	1568
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0050	1.2194	1.2475	1.1565	1.0285	.0871	1.3023	.8808	19.26
		Median	1.0986	1.3863	1.3863	1.0986	1.3054	.0000	1.3863	.8932	20.00
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.59730	.50768	.58319	.39185	.66950	.25958	.55828	.52805	7.661
Pool ed	N	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Valid	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6	1555.6
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0032	1.2221	1.2473	1.1581	1.0362	.0855	1.3047	.8816	19.33

Appendix C13: Transformed Scores for Gang-Affiliated Offenders

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	110	110	110	110	110	110	110	110	110
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.3360	1.3498	1.5075	1.3262	1.2444	.0654	1.5419	1.1232	24.44
		Median	1.3863	1.3863	1.6094	1.3863	1.6094	.0000	1.6094	1.0986	25.00
		Mode	1.61	1.39	1.79	1.10	1.79	.00	1.61 ^a	.69	24
		Std. Deviation	.38671	.46467	.46499	.26338	.62710	.22720	.48376	.48141	7.573
		Range	1.79	1.95	2.08	1.05	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.56	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
2	N	Valid	136	136	136	136	136	136	136	136	136
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1973	1.3504	1.4651	1.2331	1.1087	.0913	1.5005	1.0523	23.04
		Median	1.3863	1.3863	1.6094	1.2983	1.3863	.0000	1.6094	1.0986	23.86
		Mode	1.61	1.39	1.95	1.10	.00 ^a	.00	1.61	.69	24
		Std. Deviation	.50751	.46519	.49401	.37505	.66220	.24660	.51349	.52174	7.926
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
3	N	Valid	134	134	134	134	134	134	134	134	134
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1990	1.3453	1.4694	1.2349	1.0833	.0779	1.4931	1.0554	22.90
		Median	1.3863	1.3863	1.6094	1.1963	1.3863	.0000	1.6094	1.0986	24.00
		Mode	1.61	1.39	1.79 ^a	1.10	1.79	.00	1.61	.69	24
		Std. Deviation	.50088	.46184	.46891	.36776	.66213	.22099	.51710	.50402	7.938
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
4	N	Valid	136	136	136	136	136	136	136	136	136
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1971	1.3349	1.4734	1.2362	1.1369	.0855	1.4942	1.0666	23.05
		Median	1.3863	1.3863	1.6094	1.2550	1.3863	.0000	1.6094	1.0986	24.00
		Mode	1.61	1.39	1.79 ^a	1.10	1.61 ^a	.00	1.61 ^a	.69	24
		Std. Deviation	.50597	.48783	.48265	.36930	.64457	.23536	.50344	.49627	7.935
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Valid		110	110	110	110	110	110	110	110	110
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3289	1.3592	1.5027	1.3249	1.1967	.0622	1.5561	1.1146	24.42
		Median	1.3863	1.3863	1.6094	1.3863	1.3863	.0000	1.6290	1.0986	25.00
		Mode	1.61	1.39	1.79	1.10	1.79	.00	1.79	.69	24
		Std. Deviation	.40707	.47123	.47902	.26137	.64856	.22732	.47995	.49290	7.789
		Range	1.79	1.95	2.08	.92	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.69	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
6	N	Minimum	.00	.00	.00	.69	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Valid		133	133	133	133	133	133	133	133	133
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.2115	1.3389	1.4604	1.2351	1.1076	.0719	1.4951	1.0640	23.03
		Median	1.3863	1.3863	1.6094	1.2832	1.3863	.0000	1.6094	1.0986	24.00
		Mode	1.61	1.39	1.79	1.10	1.61 ^a	.00	1.61	.69	24
		Std. Deviation	.48707	.47689	.48383	.37331	.66819	.22632	.50957	.50077	7.917
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
7	N	Minimum	.00	.00	.00	.68	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Valid		113	113	113	113	113	113	113	113	113
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3292	1.3657	1.4763	1.3242	1.2314	.0744	1.5528	1.1085	24.22
		Median	1.3863	1.3863	1.6094	1.3863	1.5307	.0000	1.6094	1.0986	24.00
		Mode	1.61	1.61	1.79	1.10	1.61 ^a	.00	1.79 ^a	.69	24
		Std. Deviation	.38452	.45960	.48323	.25881	.62022	.25009	.46544	.49055	7.422
		Range	1.79	1.95	2.08	.93	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.68	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
8	N	Minimum	.00	.00	.00	.68	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Valid		110	110	110	110	110	110	110	110	110
		Missing	0	0	0	0	0	0	0	0	0
	Mean		1.3355	1.3558	1.4909	1.3335	1.2533	.0669	1.5430	1.0878	24.33
		Median	1.3863	1.3863	1.6094	1.3863	1.5694	.0000	1.6094	1.0986	24.00
		Mode	1.61	1.39	1.79	1.10	1.79	.00	1.61	.69	24
	Std. Deviation		.38670	.45639	.46724	.25149	.61898	.22801	.48049	.48426	7.535

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
9	Range	1.79	1.95	2.08	.92	1.79	1.39	2.08	1.79	38
	Minimum	.00	.00	.00	.69	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	N Valid	141	141	141	141	141	141	141	141	141
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.1844	1.3392	1.4424	1.2206	1.1200	.0917	1.4985	1.0725	22.94
	Median	1.3863	1.3863	1.6094	1.1028	1.3863	.0000	1.6094	1.0986	24.00
	Mode	1.61	1.39	1.79	1.10	1.79	.00	1.79	.69	24
	Std. Deviation	.52870	.45759	.51230	.37367	.66020	.25234	.50234	.49654	7.793
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
10	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	N Valid	111	111	111	111	111	111	111	111	111
	Missing	0	0	0	0	0	0	0	0	0
	Mean	1.3309	1.3718	1.4636	1.3162	1.2551	.0563	1.5322	1.0773	24.22
	Median	1.3863	1.3863	1.6094	1.3863	1.6094	.0000	1.6094	1.0986	24.00
	Mode	1.61	1.39 ^a	1.79	1.10	1.79	.00	1.61	.69	24
	Std. Deviation	.41972	.45484	.49590	.28389	.63325	.22551	.49568	.50824	7.685
	Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
Pooled	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
	N Valid	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.2650	1.3511	1.4752	1.2785	1.1737	.0743	1.5207	1.0822	23.66

a. Multiple modes exist. The smallest value is shown

Appendix C14: Transformed Scores for Minor Offences

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	162	162	162	162	162	162	162	162	162
		Missing	0	0	0	0	0	0	0	0	0
	Mean		.7011	1.2412	1.3301	1.0729	.8536	.1304	1.2366	.9602	18.04
	Median		.6931	1.3863	1.3863	1.0986	.8742	.0000	1.3863	1.0986	18.00
	Mode		.00	1.39	1.10	1.10	.00	.00	1.10	.00	19 ^a
	Std. Deviation		.62660	.50069	.50988	.45381	.65057	.28416	.57174	.58920	7.858
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
2	N	Valid	162	162	162	162	162	162	162	162	162
		Missing	0	0	0	0	0	0	0	0	0
	Mean		.6380	1.2483	1.3373	1.0725	.8510	.1447	1.2549	.9057	17.83
	Median		.6931	1.3863	1.3863	1.0986	.7513	.0000	1.3863	1.0986	18.00
	Mode		.00	1.39	1.39	1.10	.00	.00	1.10	.00	19
	Std. Deviation		.58621	.50477	.49506	.45340	.64860	.28943	.57033	.57544	7.648
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
3	N	Valid	158	158	158	158	158	158	158	158	158
		Missing	0	0	0	0	0	0	0	0	0
	Mean		.6349	1.2737	1.3394	1.0845	.7824	.1489	1.2584	.9846	18.19
	Median		.6931	1.3863	1.3863	1.0986	.6931	.0000	1.3863	1.0986	18.06
	Mode		.00	1.39	1.10	1.10	.00	.00	1.10	.00	19 ^a
	Std. Deviation		.58689	.52113	.50137	.45091	.63569	.29410	.59619	.58277	8.041
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
4	N	Valid	156	156	156	156	156	156	156	156	156
		Missing	0	0	0	0	0	0	0	0	0
	Mean		.6406	1.2407	1.3594	1.0575	.8305	.1547	1.2714	.9738	18.09
	Median		.6931	1.3863	1.3863	1.0986	.6931	.0000	1.3863	1.0986	18.42
	Mode		.00	1.39	1.10 ^a	1.10	.00	.00	1.10	.00 ^a	19
	Std. Deviation		.59200	.50490	.51013	.44649	.63861	.31617	.56250	.55078	7.370
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL	
5	N	Valid	Minimum	.00	.00	.00	.00	.00	.00	.00	0	
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		Missing	149	149	149	149	149	149	149	149	149	
		Mean	0	0	0	0	0	0	0	0	0	
		Median	.5915	1.2486	1.3738	1.0352	.8396	.1513	1.2799	.9362	17.84	
		Mode	.6931	1.3863	1.4162	1.0986	.6931	.0000	1.3863	1.0986	18.00	
		Std. Deviation	.00	1.39	1.10	1.10	.00	.00	1.10	.00	19 ^a	
		Range	.57855	.51617	.48321	.43794	.65256	.28940	.56871	.58201	7.590	
		Minimum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		Maximum	.00	.00	.00	.00	.00	.00	.00	.00	0	
6	N	Valid	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Missing	158	158	158	158	158	158	158	158	158	
		Mean	0	0	0	0	0	0	0	0	0	
		Median	.6430	1.2693	1.3038	1.0560	.8103	.1528	1.2670	.9597	17.99	
		Mode	.6931	1.3863	1.3863	1.0986	.6931	.0000	1.3863	1.0986	18.03	
		Std. Deviation	.00	1.39	1.39	1.10	.00	.00	1.10	.00	19 ^a	
		Range	.59422	.50717	.52225	.45164	.65678	.31336	.56647	.57092	7.531	
		Minimum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		Maximum	.00	.00	.00	.00	.00	.00	.00	.00	0	
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
7	N	Valid	Maximum	158	158	158	158	158	158	158	158	
		Missing	0	0	0	0	0	0	0	0	0	
		Mean	.6870	1.2835	1.3306	1.0619	.7942	.1767	1.2537	.9488	18.02	
		Median	.6931	1.3863	1.3863	1.0986	.6931	.0000	1.3863	1.0986	18.85	
		Mode	.00	1.39	1.10	1.10	.00	.00	1.10	.00	19 ^a	
		Std. Deviation	.61238	.49638	.49982	.43623	.63049	.34894	.56178	.58441	7.596	
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0	
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		8	N	Valid	Maximum	167	167	167	167	167	167	167
Missing	0			0	0	0	0	0	0	0	0	
Mean	.7280			1.2688	1.3539	1.0759	.8827	.1542	1.2188	.9251	17.97	
Median	.6931			1.3863	1.3863	1.0986	1.0398	.0000	1.3863	1.0986	19.00	
Mode	.00			1.39	1.10 ^a	1.10	.00	.00	1.10	.00	19	
Std. Deviation	.62747			.49299	.47073	.43563	.65945	.30604	.56707	.56145	7.458	

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
9	N	Valid	151	151	151	151	151	151	151	151	151
		Missing	0	0	0	0	0	0	0	0	0
Mean			.6133	1.2690	1.3577	1.0496	.8115	.1556	1.2849	.9870	17.97
Median			.6776	1.3863	1.3863	1.0986	.6931	.0000	1.3993	1.0986	18.00
Mode			.00	1.39	1.39	1.10	.00	.00	1.10	.00	19
Std. Deviation			.59892	.51073	.47717	.43735	.64653	.30213	.57925	.57760	7.744
Range			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
1	N	Valid	159	159	159	159	159	159	159	159	159
0		Missing	0	0	0	0	0	0	0	0	0
Mean			.7027	1.2380	1.3596	1.0938	.8125	.1340	1.2670	.9792	18.04
Median			.6931	1.3863	1.3863	1.0986	.6931	.0000	1.3863	1.0986	18.00
Mode			.00	1.39	1.10	1.10	.00	.00	1.10	.00	19 ^a
Std. Deviation			.61417	.51462	.49073	.43920	.64942	.27753	.57861	.56721	7.961
Range			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum			.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum			1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
P	N	Valid	158	158	158	158	158	158	158	158	158
o		Missing	0	0	0	0	0	0	0	0	0
o		Mean	.6580	1.2581	1.3446	1.0660	.8268	.1503	1.2593	.9560	18.00
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a. Multiple modes exist. The smallest value is shown

Appendix C15: Transformed Scores for Drug Crimes

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	176	176	176	176	176	176	176	176	176
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0697	1.1434	1.1791	1.1696	1.3939	.0995	1.1331	.8274	19.30
		Median	1.3211	1.3863	1.3863	1.0986	1.6094	.0000	1.3721	.6931	19.00
		Mode	1.61	1.39	1.10	1.10	1.61	.00	.69	.69	17
		Std. Deviation	.55665	.50337	.63473	.31150	.42082	.27396	.62065	.51160	7.379
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
2	N	Valid	176	176	176	176	176	176	176	176	176
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0921	1.1282	1.1555	1.1731	1.3552	.1030	1.0840	.8127	18.95
		Median	1.3699	1.3517	1.2181	1.0986	1.6094	.0000	1.0986	.6931	18.50
		Mode	1.61	1.39	1.10	1.10	1.61	.00	.69	.69	17
		Std. Deviation	.55836	.51327	.63843	.30450	.46583	.28885	.60819	.50785	7.155
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
3	N	Valid	179	179	179	179	179	179	179	179	179
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0664	1.1740	1.1796	1.1558	1.3667	.0944	1.1208	.8420	19.13
		Median	1.2629	1.3863	1.3264	1.0986	1.6094	.0000	1.0986	.6931	19.00
		Mode	1.61	1.39	1.10	1.10	1.61	.00	.69	.69	17
		Std. Deviation	.56235	.50525	.61918	.32463	.44244	.27542	.60209	.50362	7.104
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
4	N	Valid	175	175	175	175	175	175	175	175	175
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.0660	1.1680	1.1789	1.1589	1.3964	.1112	1.1168	.8014	19.22
		Median	1.1399	1.3863	1.3863	1.0986	1.6094	.0000	1.1179	.6931	19.00
		Mode	1.61	1.39	1.10	1.10	1.61	.00	.69	.69	17
		Std. Deviation	.55737	.51903	.62727	.31024	.42073	.29419	.61060	.50938	7.190
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
9	N Valid	181	181	181	181	181	181	181	181	181
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.1135	1.1569	1.2024	1.1722	1.3952	.1066	1.1245	.8333	19.44
Median		1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.1887	.6931	19.00
Mode		1.61	1.39	1.10	1.10	1.61	.00	.69	.69	17
Std. Deviation		.54925	.50763	.61549	.32474	.42197	.28886	.61164	.50010	7.234
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
1	N Valid	192	192	192	192	192	192	192	192	192
0	Missing	0	0	0	0	0	0	0	0	0
Mean		1.0946	1.1721	1.1931	1.1864	1.3763	.1007	1.1459	.8212	19.47
Median		1.3863	1.3863	1.3863	1.0986	1.6094	.0000	1.3347	.6931	19.00
Mode		1.61	1.39	1.10	1.10	1.61	.00	.69	.69	17 ^a
Std. Deviation		.55280	.50312	.61577	.31968	.44289	.27767	.60004	.50447	7.232
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
P	N Valid	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
o	Missing	0	0	0	0	0	0	0	0	0
o	Mean	1.0825	1.1582	1.1726	1.1766	1.3826	.1049	1.1154	.8180	19.19
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a. Multiple modes exist. The smallest value is shown

Appendix C16: Transformed Scores for Property Crimes

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	805	805	805	805	805	805	805	805	805
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1050	1.2263	1.2727	1.2198	1.0968	.0883	1.2881	.9030	19.97
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9440	21.00
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.10	.69	24
		Std. Deviation	.57346	.50358	.56620	.33374	.66375	.27290	.56686	.51498	7.640
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
2	N	Valid	797	797	797	797	797	797	797	797	797
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1029	1.2192	1.2596	1.2270	1.0953	.0837	1.2959	.9003	19.87
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9785	20.93
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.10 ^a	.69	24
		Std. Deviation	.57777	.50609	.56583	.33025	.65828	.26729	.56553	.51656	7.627
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
3	N	Valid	795	795	795	795	795	795	795	795	795
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1004	1.2267	1.2643	1.2250	1.0937	.0803	1.2837	.8866	19.85
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8410	21.00
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.61	.69	24
		Std. Deviation	.57699	.50387	.57063	.33024	.66044	.25595	.56365	.51982	7.603
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
4	N	Valid	807	807	807	807	807	807	807	807	807
		Missing	0	0	0	0	0	0	0	0	0
		Mean	1.1138	1.2306	1.2695	1.2302	1.0992	.0829	1.2951	.8902	19.98
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.6996	21.00
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.61	.69	24
		Std. Deviation	.57638	.50116	.56371	.32673	.66448	.25794	.56258	.52122	7.661
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL	
5	N	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0	
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
	Valid	813	813	813	813	813	813	813	813	813	813	
		Missing	0	0	0	0	0	0	0	0	0	
		Mean	1.1157	1.2321	1.2702	1.2277	1.0923	.0872	1.2969	.9021	19.99	
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8610	21.00	
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.61	.69	24	
		Std. Deviation	.57460	.50289	.56537	.32777	.65776	.26979	.55944	.51668	7.609	
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0	
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		6	N	Valid	794	794	794	794	794	794	794	794
Missing	0			0	0	0	0	0	0	0	0	
	Mean		1.0968	1.2223	1.2800	1.2235	1.0854	.0867	1.2970	.8981	19.89	
	Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8867	21.00	
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.61	.69	24	
	Std. Deviation		.58130	.50250	.56688	.33175	.66210	.26856	.56309	.51846	7.714	
	Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
	Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0	
	Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
	7		N	Valid	799	799	799	799	799	799	799	799
Missing				0	0	0	0	0	0	0	0	0
			Mean	1.1050	1.2207	1.2737	1.2261	1.0961	.0867	1.2977	.8990	19.89
		Median	1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.9028	21.00	
		Mode	1.61	1.39	1.39	1.10	.00	.00	1.61	.69	24	
		Std. Deviation	.57853	.49980	.56703	.33283	.66023	.26411	.55754	.51691	7.642	
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0	
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40	
		8	N	Valid	799	799	799	799	799	799	799	799
Missing				0	0	0	0	0	0	0	0	0
			Mean	1.1012	1.2287	1.2724	1.2292	1.0896	.0867	1.3020	.9072	20.02
	Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	1.0292	21.00	
	Mode		1.61	1.39	1.39	1.10	.00	.00	1.10	.69	24	
	Std. Deviation		.57838	.50596	.56795	.32783	.66131	.26705	.56171	.51766	7.694	

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
9	N Valid	801	801	801	801	801	801	801	801	801
	Missing	0	0	0	0	0	0	0	0	0
Mean		1.1041	1.2212	1.2572	1.2326	1.0902	.0871	1.2845	.8960	19.82
Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8564	21.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.61	.69	24
Std. Deviation		.57853	.50527	.56953	.32698	.66048	.26812	.56199	.51851	7.657
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
1	N Valid	791	791	791	791	791	791	791	791	791
0	Missing	0	0	0	0	0	0	0	0	0
Mean		1.1084	1.2198	1.2573	1.2180	1.0828	.0819	1.2829	.8890	19.71
Median		1.3863	1.3863	1.3863	1.0986	1.3863	.0000	1.3863	.8144	21.00
Mode		1.61	1.39	1.39	1.10	.00	.00	1.10	.69	24
Std. Deviation		.57508	.50209	.57393	.33413	.66429	.25778	.56859	.51947	7.727
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	40
P	N Valid	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1
o	Missing	0	0	0	0	0	0	0	0	0
o	Mean	1.1053	1.2248	1.2677	1.2259	1.0921	.0851	1.2924	.8972	19.90
l										
e										
d										

a. Multiple modes exist. The smallest value is shown

Appendix C17: Transformed Scores for Violent Crime

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
1	N	Valid	536	536	536	536	536	536	536	536	536
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9749	1.2560	1.2559	1.1055	.9243	.0587	1.4483	.9006	19.79
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	20.32
		Mode	1.39	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.58702	.51187	.60257	.45382	.69252	.21263	.48270	.54117	7.936
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
2	N	Valid	544	544	544	544	544	544	544	544	544
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9879	1.2596	1.2640	1.1082	.9416	.0581	1.4383	.8986	19.90
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0700	21.00
		Mode	1.39	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.58644	.51059	.60067	.45196	.69673	.21397	.49724	.53735	7.993
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
3	N	Valid	547	547	547	547	547	547	547	547	547
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9961	1.2682	1.2623	1.0998	.9262	.0621	1.4523	.9088	20.02
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	21.00
		Mode	1.39	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.58503	.50407	.59473	.44903	.69424	.22677	.48729	.53983	7.928
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
4	N	Valid	541	541	541	541	541	541	541	541	541
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9733	1.2592	1.2800	1.0994	.9189	.0567	1.4493	.9111	19.89
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	21.00
		Mode	.00 ^a	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.59220	.51960	.59752	.45885	.69293	.21633	.49093	.53599	7.995
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37

Imputation Number			SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
5	N	Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Valid	536	536	536	536	536	536	536	536	536
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9776	1.2478	1.2737	1.1026	.9285	.0535	1.4480	.8955	19.89
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	21.00
		Mode	.00 ^a	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.58737	.51668	.59964	.44914	.69827	.20370	.48529	.53943	7.952
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
6	N	Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Valid	549	549	549	549	549	549	549	549	549
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9974	1.2579	1.2597	1.1029	.9339	.0534	1.4416	.9045	19.89
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	21.00
		Mode	1.39	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.58719	.51130	.59216	.45061	.69097	.20322	.48538	.53656	7.868
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
7	N	Valid	545	545	545	545	545	545	545	545	545
		Missing	0	0	0	0	0	0	0	0	0
		Mean	.9891	1.2622	1.2600	1.1119	.9393	.0491	1.4459	.9047	19.94
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	20.68
		Mode	1.39 ^a	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.58331	.51190	.59550	.45127	.69309	.19738	.48428	.53722	7.857
		Range	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Minimum	.00	.00	.00	.00	.00	.00	.00	.00	0
		Maximum	1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
		Valid	537	537	537	537	537	537	537	537	537
8	N	Missing	0	0	0	0	0	0	0	0	0
		Mean	.9761	1.2505	1.2486	1.0993	.9303	.0623	1.4507	.9065	19.83
		Median	1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	20.31
		Mode	1.39	1.39	1.61	1.10	.00	.00	1.79	.69	23
		Std. Deviation	.58906	.51649	.60728	.44969	.69557	.22442	.49190	.53710	7.972

Imputation Number		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code	SC7_Re code	SC8_Re code	Y-LSI TOTAL
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
9	N Valid	546	546	546	546	546	546	546	546	546
	Missing	0	0	0	0	0	0	0	0	0
Mean		.9926	1.2549	1.2833	1.1106	.9189	.0602	1.4539	.9004	19.99
Median		1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	21.00
Mode		1.39	1.39	1.61	1.10	.00	.00	1.79	.69	23
Std. Deviation		.58133	.50864	.59594	.44991	.69172	.21934	.48603	.54451	7.958
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	37
1	N Valid	537	537	537	537	537	537	537	537	537
0	Missing	0	0	0	0	0	0	0	0	0
Mean		.9776	1.2619	1.2641	1.1067	.9350	.0698	1.4448	.9016	19.91
Median		1.0986	1.3863	1.3863	1.0986	1.0986	.0000	1.6094	1.0986	21.00
Mode		.00 ^a	1.39	1.61	1.10	.00	.00	1.79	.69	23
Std. Deviation		.58918	.50816	.59806	.45093	.69887	.24174	.48890	.53692	7.893
Range		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
Minimum		.00	.00	.00	.00	.00	.00	.00	.00	0
Maximum		1.79	1.95	2.08	1.61	1.79	1.39	2.08	1.79	38
P	N Valid	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8
o	Missing	0	0	0	0	0	0	0	0	0
o	Mean	.9842	1.2578	1.2652	1.1047	.9297	.0584	1.4473	.9032	19.90
l										
e										
d										

a. Multiple modes exist. The smallest value is shown

Appendix D1: Sampling Characteristics for Gender

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
2	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
3	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
4	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
5	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
6	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
7	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
8	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
9	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
10	Valid	Male	1321	78.7	78.7	78.7
		Female	358	21.3	21.3	100.0
		Total	1679	100.0	100.0	
Pooled	Valid	Male	1321			
		Female	358			
		Total	1679			

Appendix D2: Sampling Characteristics for Race

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	Black	455	27.1	27.1	27.1
		White	1169	69.6	69.6	96.7
		Bi-Racial	22	1.3	1.3	98.0
		Other	33	2.0	2.0	100.0
		Total	1679	100.0	100.0	
2	Valid	Black	456	27.2	27.2	27.2
		White	1167	69.5	69.5	96.7
		Bi-Racial	22	1.3	1.3	98.0
		Other	34	2.0	2.0	100.0
		Total	1679	100.0	100.0	
3	Valid	Black	455	27.1	27.1	27.1
		White	1171	69.7	69.7	96.8
		Bi-Racial	22	1.3	1.3	98.2
		Other	31	1.8	1.8	100.0
		Total	1679	100.0	100.0	
4	Valid	Black	455	27.1	27.1	27.1
		White	1167	69.5	69.5	96.6
		Bi-Racial	23	1.4	1.4	98.0
		Other	34	2.0	2.0	100.0
		Total	1679	100.0	100.0	
5	Valid	Black	455	27.1	27.1	27.1
		White	1168	69.6	69.6	96.7
		Bi-Racial	22	1.3	1.3	98.0
		Other	34	2.0	2.0	100.0
		Total	1679	100.0	100.0	
6	Valid	Black	455	27.1	27.1	27.1
		White	1168	69.6	69.6	96.7
		Bi-Racial	22	1.3	1.3	98.0
		Other	34	2.0	2.0	100.0
		Total	1679	100.0	100.0	
7	Valid	Black	455	27.1	27.1	27.1
		White	1168	69.6	69.6	96.7
		Bi-Racial	23	1.4	1.4	98.0
		Other	33	2.0	2.0	100.0
		Total	1679	100.0	100.0	
8	Valid	Black	455	27.1	27.1	27.1
		White	1167	69.5	69.5	96.6
		Bi-Racial	22	1.3	1.3	97.9
		Other	35	2.1	2.1	100.0
		Total	1679	100.0	100.0	
9	Valid	Black	455	27.1	27.1	27.1
		White	1167	69.5	69.5	96.6
		Bi-Racial	22	1.3	1.3	97.9
		Other	35	2.1	2.1	100.0
		Total	1679	100.0	100.0	
10	Valid	Black	455	27.1	27.1	27.1
		White	1168	69.6	69.6	96.7
		Bi-Racial	23	1.4	1.4	98.0
		Other	33	2.0	2.0	100.0
		Total	1679	100.0	100.0	
Pooled	Valid	Black	455.1			
		White	1168			

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
	Bi-Racial	22.3			
	Other	33.6			
	Total	1679			

Appendix D3: Sampling Characteristics for Hispanic Origin

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	No	1632	97.2	97.2	97.2
		Yes	47	2.8	2.8	100.0
		Total	1679	100.0	100.0	
2	Valid	No	1631	97.1	97.1	97.1
		Yes	48	2.9	2.9	100.0
		Total	1679	100.0	100.0	
3	Valid	No	1633	97.3	97.3	97.3
		Yes	46	2.7	2.7	100.0
		Total	1679	100.0	100.0	
4	Valid	No	1632	97.2	97.2	97.2
		Yes	47	2.8	2.8	100.0
		Total	1679	100.0	100.0	
5	Valid	No	1632	97.2	97.2	97.2
		Yes	47	2.8	2.8	100.0
		Total	1679	100.0	100.0	
6	Valid	No	1632	97.2	97.2	97.2
		Yes	47	2.8	2.8	100.0
		Total	1679	100.0	100.0	
7	Valid	No	1632	97.2	97.2	97.2
		Yes	47	2.8	2.8	100.0
		Total	1679	100.0	100.0	
8	Valid	No	1633	97.3	97.3	97.3
		Yes	46	2.7	2.7	100.0
		Total	1679	100.0	100.0	
9	Valid	No	1631	97.1	97.1	97.1
		Yes	48	2.9	2.9	100.0
		Total	1679	100.0	100.0	
10	Valid	No	1632	97.2	97.2	97.2
		Yes	47	2.8	2.8	100.0
		Total	1679	100.0	100.0	
Pooled	Valid	No	1632			
		Yes	47			
		Total	1679			

Appendix D4: Sampling Characteristics CHS

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	No	997	59.4	59.4	59.4
		Yes	682	40.6	40.6	100.0
		Total	1679	100.0	100.0	
2	Valid	No	981	58.4	58.4	58.4
		Yes	698	41.6	41.6	100.0
		Total	1679	100.0	100.0	
3	Valid	No	996	59.3	59.3	59.3
		Yes	683	40.7	40.7	100.0
		Total	1679	100.0	100.0	
4	Valid	No	985	58.7	58.7	58.7
		Yes	694	41.3	41.3	100.0
		Total	1679	100.0	100.0	
5	Valid	No	992	59.1	59.1	59.1
		Yes	687	40.9	40.9	100.0
		Total	1679	100.0	100.0	
6	Valid	No	1003	59.7	59.7	59.7
		Yes	676	40.3	40.3	100.0
		Total	1679	100.0	100.0	
7	Valid	No	969	57.7	57.7	57.7
		Yes	710	42.3	42.3	100.0
		Total	1679	100.0	100.0	
8	Valid	No	993	59.1	59.1	59.1
		Yes	686	40.9	40.9	100.0
		Total	1679	100.0	100.0	
9	Valid	No	1007	60.0	60.0	60.0
		Yes	672	40.0	40.0	100.0
		Total	1679	100.0	100.0	
10	Valid	No	985	58.7	58.7	58.7
		Yes	694	41.3	41.3	100.0
		Total	1679	100.0	100.0	
Pooled	Valid	No	990.8			
		Yes	688.2			
		Total	1679			

Appendix D5: Sampling Characteristics for Gang Affiliation

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	No	1569	93.4	93.4	93.4
		Yes	110	6.6	6.6	100.0
		Total	1679	100.0	100.0	
2	Valid	No	1543	91.9	91.9	91.9
		Yes	136	8.1	8.1	100.0
		Total	1679	100.0	100.0	
3	Valid	No	1545	92.0	92.0	92.0
		Yes	134	8.0	8.0	100.0
		Total	1679	100.0	100.0	
4	Valid	No	1543	91.9	91.9	91.9
		Yes	136	8.1	8.1	100.0
		Total	1679	100.0	100.0	
5	Valid	No	1569	93.4	93.4	93.4
		Yes	110	6.6	6.6	100.0
		Total	1679	100.0	100.0	
6	Valid	No	1546	92.1	92.1	92.1
		Yes	133	7.9	7.9	100.0
		Total	1679	100.0	100.0	
7	Valid	No	1566	93.3	93.3	93.3
		Yes	113	6.7	6.7	100.0
		Total	1679	100.0	100.0	
8	Valid	No	1569	93.4	93.4	93.4
		Yes	110	6.6	6.6	100.0
		Total	1679	100.0	100.0	
9	Valid	No	1538	91.6	91.6	91.6
		Yes	141	8.4	8.4	100.0
		Total	1679	100.0	100.0	
10	Valid	No	1568	93.4	93.4	93.4
		Yes	111	6.6	6.6	100.0
		Total	1679	100.0	100.0	
Pooled	Valid	No	1555.6			
		Yes	123.4			
		Total	1679			

Appendix D6: Sample Characteristics for Offence Type New

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	Minor Offence	162	9.6	9.6	9.6
		Drugs	176	10.5	10.5	20.1
		Property	805	47.9	47.9	68.1
		Violent	536	31.9	31.9	100.0
		Total	1679	100.0	100.0	
2	Valid	Minor Offence	162	9.6	9.6	9.6
		Drugs	176	10.5	10.5	20.1
		Property	797	47.5	47.5	67.6
		Violent	544	32.4	32.4	100.0
		Total	1679	100.0	100.0	
3	Valid	Minor Offence	158	9.4	9.4	9.4
		Drugs	179	10.7	10.7	20.1
		Property	795	47.3	47.3	67.4
		Violent	547	32.6	32.6	100.0
		Total	1679	100.0	100.0	
4	Valid	Minor Offence	156	9.3	9.3	9.3
		Drugs	175	10.4	10.4	19.7
		Property	807	48.1	48.1	67.8
		Violent	541	32.2	32.2	100.0
		Total	1679	100.0	100.0	
5	Valid	Minor Offence	149	8.9	8.9	8.9
		Drugs	181	10.8	10.8	19.7
		Property	813	48.4	48.4	68.1
		Violent	536	31.9	31.9	100.0
		Total	1679	100.0	100.0	
6	Valid	Minor Offence	158	9.4	9.4	9.4
		Drugs	178	10.6	10.6	20.0
		Property	794	47.3	47.3	67.3
		Violent	549	32.7	32.7	100.0
		Total	1679	100.0	100.0	
7	Valid	Minor Offence	158	9.4	9.4	9.4
		Drugs	177	10.5	10.5	20.0
		Property	799	47.6	47.6	67.5
		Violent	545	32.5	32.5	100.0
		Total	1679	100.0	100.0	
8	Valid	Minor Offence	167	9.9	9.9	9.9
		Drugs	176	10.5	10.5	20.4
		Property	799	47.6	47.6	68.0
		Violent	537	32.0	32.0	100.0
		Total	1679	100.0	100.0	
9	Valid	Minor Offence	151	9.0	9.0	9.0
		Drugs	181	10.8	10.8	19.8
		Property	801	47.7	47.7	67.5
		Violent	546	32.5	32.5	100.0
		Total	1679	100.0	100.0	
10	Valid	Minor Offence	159	9.5	9.5	9.5
		Drugs	192	11.4	11.4	20.9
		Property	791	47.1	47.1	68.0
		Violent	537	32.0	32.0	100.0
		Total	1679	100.0	100.0	
Pooled	Valid	Minor Offence	158			
		Drugs	179.1			

Imputation Number	Frequency	Percent	Valid Percent	Cumulative Percent
Property	800.1			
Violent	541.8			
Missing				
Total	1679			

Appendix E1: Univariate Outliers (Males)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.48301	-1.72710	-1.62848	-2.13546	-1.34750	-.30260	-1.62237	-1.26362	-2.46669
		Maximum	1.76526	2.13146	2.04916	1.39819	1.39408	5.76347	2.02510	2.29501	2.63739
2	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.47824	-1.70297	-1.62016	-2.15861	-1.34595	-.29646	-1.61622	-1.25632	-2.46723
		Maximum	1.76453	2.11861	2.06276	1.38744	1.39859	5.79226	2.02557	2.34922	2.65596
3	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.48389	-1.74348	-1.63053	-2.13593	-1.32897	-.29921	-1.63272	-1.26310	-2.47837
		Maximum	1.77249	2.09027	2.05025	1.40338	1.41127	5.81099	2.02839	2.32230	2.64342
4	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.47722	-1.73404	-1.64739	-2.14266	-1.33989	-.30359	-1.64020	-1.25541	-2.48215
		Maximum	1.75350	2.08331	2.04149	1.40133	1.39206	5.75723	2.03263	2.33839	2.64193
5	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.48676	-1.72810	-1.63252	-2.16826	-1.34723	-.30456	-1.64887	-1.26810	-2.48905
		Maximum	1.76351	2.09491	2.04253	1.41060	1.39881	5.74338	2.03846	2.33237	2.65361
6	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.47971	-1.73126	-1.63774	-2.15107	-1.33225	-.30558	-1.64311	-1.26044	-2.48076
		Maximum	1.75748	2.11542	2.05398	1.40219	1.40893	5.71923	2.03495	2.33316	2.65696
7	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.49981	-1.72839	-1.61737	-2.15055	-1.33611	-.30657	-1.64115	-1.25357	-2.48114
		Maximum	1.75187	2.11469	2.05126	1.39744	1.41035	5.67493	2.04332	2.31631	2.66968
8	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.49981	-1.72839	-1.61737	-2.15055	-1.33611	-.30657	-1.64115	-1.25357	-2.48114
		Maximum	1.75187	2.11469	2.05126	1.39744	1.41035	5.67493	2.04332	2.31631	2.66968

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6	ZSC7	ZSC8	ZLSITOTL
9	N	Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.47976	-1.72415	-1.62897	-2.16254	-1.34773	-.31068	-1.63275	-1.26018	-2.47550
		Maximum	1.75069	2.10216	2.04001	1.39914	1.39568	5.69449	2.02155	2.33342	2.63947
	Valid	Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.49169	-1.71793	-1.64024	-2.17718	-1.33064	-.31095	-1.63622	-1.25958	-2.47117
		Maximum	1.75421	2.09993	2.04310	1.39719	1.40815	5.69552	2.02079	2.30337	2.63722
	N	Valid	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Missing	358	358	358	358	358	358	358	358	358
		Minimum	-1.50287	-1.72474	-1.62156	-2.16460	-1.33184	-.30666	-1.62865	-1.25351	-2.45915
Maximum	1.76199	2.12039	2.05398	1.40068	1.40287	5.74813	2.02665	2.32552	2.64843		

Appendix E2: Univariate Outliers (Females)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.37110	2.03805	1.76654	2.27335	1.35071	-1.17131	2.23293	1.45170	-2.72909
2	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.37171	2.07674	1.75721	2.25999	1.35166	-1.17131	2.22044	1.43741	-2.71722
3	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.35970	2.05676	1.76794	2.29281	1.33609	-1.17131	2.18402	1.44486	-2.74002
4	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.37052	2.00600	1.77741	2.28164	1.35321	-1.17131	2.24354	1.47694	-2.74604
5	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.35589	2.02591	1.81902	2.26001	1.35749	-1.17131	2.24127	1.42974	-2.74928
6	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.36993	2.04932	1.78871	2.25256	1.35006	-1.17131	2.23146	1.48690	-2.74343
7	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.38805	2.07258	1.79761	2.28630	1.37196	-1.17131	2.22662	1.45744	-2.74966
8	N	Valid	358	358	358	358	358	358	358	358	358
		Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
		Minimum	-	-	-	-	-	-	-	-	-
			1.38805	2.07258	1.79761	2.28630	1.37196	-1.17131	2.22662	1.45744	-2.74966

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.35437	2.06256	1.75436	2.30568	1.35604	-.17131	2.18147	1.46444	-2.70712
	Maximum	2.05388	1.70199	2.50273	1.49195	1.43978	6.39908	1.89032	2.35309	1.96283
	N Valid	358	358	358	358	358	358	358	358	358
	Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
	Minimum	-	-	-	-	-	-	-	-	-
10		1.36075	2.04127	1.81356	2.27035	1.35075	-.17131	2.23379	1.46863	-2.73476
	Maximum	2.01186	1.72730	2.49061	1.45673	1.43916	6.39908	1.91446	2.33279	1.95187
	N Valid	358	358	358	358	358	358	358	358	358
	Missing	1321	1321	1321	1321	1321	1321	1321	1321	1321
	Minimum	-	-	-	-	-	-	-	-	-
		1.36227	2.04718	1.77466	2.26277	1.35753	-.17131	2.18352	1.45490	-2.68638
	Maximum	2.01984	1.71317	2.41344	1.46825	1.42906	6.39908	1.89706	2.33720	2.39358

Appendix E3: Univariate Outliers (Blacks)

Imputation			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
Number											
1	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
		Minimum	-	-	-	-	-	-	-	-	-
			1.96721	2.04080	1.92044	2.42364	1.62008	-.21801	1.66591	1.29604	-3.04423
		Maximum	1.70593	2.23081	2.12244	1.28327	1.32441	4.76836	1.93858	2.62141	2.50807
2	N	Valid	456	456	456	456	456	456	456	456	456
		Missing	1223	1223	1223	1223	1223	1223	1223	1223	1223
		Minimum	-	-	-	-	-	-	-	-	-
			1.96025	2.02577	1.91551	2.40147	1.62969	-.21776	1.66673	1.28096	-3.05338
		Maximum	1.71057	2.21565	2.12740	1.27925	1.32340	4.77395	1.94093	2.63463	2.52973
3	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
		Minimum	-	-	-	-	-	-	-	-	-
			1.96021	2.03600	1.92944	2.41827	1.62852	-.21801	1.67024	1.29401	-3.05276
		Maximum	1.70923	2.20490	2.11665	1.28854	1.32957	4.76836	1.93392	2.62848	2.51087
4	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
		Minimum	-	-	-	-	-	-	-	-	-
			1.95641	2.03307	1.91314	2.40439	1.62139	-.21801	1.66708	1.29579	-3.03494
		Maximum	1.70487	2.23122	2.11196	1.28692	1.33203	4.76836	1.94735	2.65650	2.51971
5	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
		Minimum	-	-	-	-	-	-	-	-	-
			1.95839	2.04008	1.93308	2.40464	1.62680	-.21801	1.67254	1.29464	-3.05519
		Maximum	1.70462	2.22869	2.13573	1.29074	1.32691	4.76836	1.93743	2.65998	2.53666
6	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
		Minimum	-	-	-	-	-	-	-	-	-
			1.96043	2.03523	1.93289	2.40628	1.62295	-.21801	1.67546	1.30494	-3.05994
		Maximum	1.70398	2.20879	2.12683	1.28164	1.32320	4.76836	1.94548	2.63321	2.52061
7	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
		Minimum	-	-	-	-	-	-	-	-	-
			1.97689	2.03244	1.92864	2.40860	1.62614	-.21801	1.67473	1.29951	-3.04860
		Maximum	1.70200	2.22522	2.13873	1.28036	1.32615	4.76836	1.94281	2.63966	2.51251
8	N	Valid	455	455	455	455	455	455	455	455	455
		Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224

Imputation		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Number									
	Minimum	-	-	-	-	-	-.21801	-	-	-3.04364
		1.97894	2.02658	1.91604	2.41778	1.62878		1.66596	1.29983	
	Maximum	1.71143	2.20601	2.13802	1.28681	1.33133	4.76836	1.94872	2.65305	2.52548
	N Valid	455	455	455	455	455	455	455	455	455
	Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
10	Minimum	-	-	-	-	-	-.21801	-	-	-3.04694
		1.94883	2.03321	1.92062	2.41827	1.61447		1.65815	1.30253	
	Maximum	1.70661	2.23005	2.13730	1.28360	1.33373	4.76836	1.95271	2.63206	2.53473
	N Valid	455	455	455	455	455	455	455	455	455
	Missing	1224	1224	1224	1224	1224	1224	1224	1224	1224
	Minimum	-	-	-	-	-	-.21801	-	-	-3.02906
		1.96471	2.01639	1.91319	2.41733	1.62750		1.66392	1.29862	
	Maximum	1.71119	2.23177	2.12499	1.27998	1.32444	4.76836	1.94508	2.65974	2.51554

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-.23443	-	-	-2.37038
		1.28768	1.68862	1.55973	2.10171	1.24843		1.73908	1.29953	
	Maximum	1.90527	1.93700	2.13862	1.47026	1.46402	4.60728	1.98902	2.23825	2.59904
	N Valid	1167	1167	1167	1167	1167	1167	1167	1167	1167
	Missing	512	512	512	512	512	512	512	512	512
	Minimum	-	-	-	-	-	-.23443	-	-	-2.36729
10		1.30664	1.67991	1.58518	2.10777	1.23396		1.75804	1.29975	
	Maximum	1.89583	1.93609	2.13484	1.45691	1.47467	4.60728	1.98763	2.20652	2.57949
	N Valid	1168	1168	1168	1168	1168	1168	1168	1168	1168
	Missing	511	511	511	511	511	511	511	511	511
	Minimum	-	-	-	-	-	-.23615	-	-	-2.34940
		1.31455	1.69086	1.56270	2.09460	1.23386		1.73353	1.29047	
	Maximum	1.90411	1.94781	2.14019	1.46723	1.47117	4.59655	1.99516	2.22205	2.59278

Appendix E5: Univariate Outliers (Bi-Racial)

[illegible]

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-.21822	-	-	-2.23959
		2.78567	1.81201	1.69475	1.58273	1.64155		1.76719	1.69728	
	Maximum	1.83087	1.84935	1.49302	1.20405	1.10780	4.36436	1.68890	2.69256	1.74814
	N Valid	22	22	22	22	22	22	22	22	22
	Missing	1657	1657	1657	1657	1657	1657	1657	1657	1657
	Minimum	-	-	-	-	-	-.21822	-	-	-2.31416
10		2.96559	1.70263	1.73102	1.57990	1.58117		1.75931	1.66316	
	Maximum	1.72367	2.00132	1.31079	1.20553	1.14899	4.36436	1.79771	2.90346	1.99874
	N Valid	23	23	23	23	23	23	23	23	23
	Missing	1656	1656	1656	1656	1656	1656	1656	1656	1656
	Minimum	-	-	-	-	-	-.21320	-	-	-2.37926
		2.99026	1.81207	1.61757	1.55615	1.69112		1.81806	1.64364	
	Maximum	1.83423	2.02000	1.31840	1.25604	1.10191	4.47722	1.82034	2.94968	2.04343

Appendix E6: Univariate Outliers (“Other”)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	33	33	33	33	33	33	33	33	33
		Missing	1646	1646	1646	1646	1646	1646	1646	1646	1646
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.89080	2.10846	1.72532	3.00735	1.71846	-2.24029	1.26804	1.35184	-2.48034
2	N	Valid	34	34	34	34	34	34	34	34	34
		Missing	1645	1645	1645	1645	1645	1645	1645	1645	1645
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.90568	2.19142	1.79252	3.05341	1.72404	-2.23652	1.24336	1.27675	-2.46454
3	N	Valid	31	31	31	31	31	31	31	31	31
		Missing	1648	1648	1648	1648	1648	1648	1648	1648	1648
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.82212	2.08627	1.76118	2.97191	1.62522	-1.17961	1.30894	1.30931	-2.36293
4	N	Valid	34	34	34	34	34	34	34	34	34
		Missing	1645	1645	1645	1645	1645	1645	1645	1645	1645
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.92516	2.14258	1.67315	3.04034	1.71717	-2.23293	1.29817	1.27386	-2.46496
5	N	Valid	34	34	34	34	34	34	34	34	34
		Missing	1645	1645	1645	1645	1645	1645	1645	1645	1645
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.88127	2.14399	1.73566	2.96238	1.73235	-2.23652	1.29435	1.35785	-2.52407
6	N	Valid	34	34	34	34	34	34	34	34	34
		Missing	1645	1645	1645	1645	1645	1645	1645	1645	1645
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.91505	2.20746	1.75830	3.06782	1.72355	-2.23652	1.29690	1.24041	-2.46008
7	N	Valid	33	33	33	33	33	33	33	33	33
		Missing	1646	1646	1646	1646	1646	1646	1646	1646	1646
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.87669	2.12621	1.73181	3.02508	1.67219	-2.24029	1.56616	1.22729	-2.38366
8	N	Valid	35	35	35	35	35	35	35	35	35
		Missing	1644	1644	1644	1644	1644	1644	1644	1644	1644
		Minimum	-	-	-	-	-	-	-	-	-
		Maximum	1.89591	1.95462	1.48558	2.08854	1.16424	4.88593	1.50698	2.01596	2.17965

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.95089	2.18076	1.69923	2.99094	1.74656	-.23293	1.32820	1.29119	-2.48423
	Maximum	1.08462	1.81032	1.50864	2.00614	1.03509	5.04682	1.51213	1.98941	2.11391
	N Valid	35	35	35	35	35	35	35	35	35
	Missing	1644	1644	1644	1644	1644	1644	1644	1644	1644
	Minimum	-	-	-	-	-	-	-	-	-
10		1.90486	2.17592	1.67509	3.08471	1.74012	-.23293	1.28146	1.30362	-2.45428
	Maximum	.91876	1.82091	1.51880	2.16146	1.08152	5.04682	1.56261	1.93801	2.19613
	N Valid	33	33	33	33	33	33	33	33	33
	Missing	1646	1646	1646	1646	1646	1646	1646	1646	1646
	Minimum	-	-	-	-	-	-	-	-	-
		1.89276	2.10312	1.67618	3.01735	1.68259	-.17408	1.35316	1.32646	-2.45236
	Maximum	.91448	1.78864	1.45480	2.08893	1.06619	5.57048	1.50930	1.94019	2.12182

Appendix E7: Univariate Outliers (Non-Hispanic)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	47	47	47	47	47	47	47	47	47
		Minimum	-	-	-	-	-	-.23156	-	-	-2.51032
			1.44570	1.75802	1.64083	2.15396	1.33926		1.71588	1.29561	
2	N	Valid	1631	1631	1631	1631	1631	1631	1631	1631	1631
		Missing	48	48	48	48	48	48	48	48	48
		Minimum	-	-	-	-	-	-.23037	-	-	-2.50998
			1.44040	1.74514	1.63538	2.17261	1.33727		1.70985	1.29157	
3	N	Valid	1633	1633	1633	1633	1633	1633	1633	1633	1633
		Missing	46	46	46	46	46	46	46	46	46
		Minimum	-	-	-	-	-	-.23148	-	-	-2.52244
			1.44267	1.77676	1.64159	2.15617	1.31915		1.71833	1.29532	
4	N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	47	47	47	47	47	47	47	47	47
		Minimum	-	-	-	-	-	-.23156	-	-	-2.52679
			1.43978	1.76040	1.66001	2.16242	1.33195		1.73143	1.29440	
5	N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	47	47	47	47	47	47	47	47	47
		Minimum	-	-	-	-	-	-.23156	-	-	-2.53570
			1.44665	1.76258	1.65862	2.17796	1.34003		1.74067	1.29604	
6	N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	47	47	47	47	47	47	47	47	47
		Minimum	-	-	-	-	-	-.23156	-	-	-2.52384
			1.44229	1.76634	1.65201	2.16169	1.32556		1.73350	1.30059	
7	N	Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Missing	47	47	47	47	47	47	47	47	47
		Minimum	-	-	-	-	-	-.23156	-	-	-2.52440
			1.46112	1.76481	1.63765	2.16740	1.33475		1.73074	1.28770	
8	N	Valid	1633	1633	1633	1633	1633	1633	1633	1633	1633
		Missing	46	46	46	46	46	46	46	46	46
		Minimum	-	-	-	-	-	-.23156	-	-	-2.52440
			1.46112	1.76481	1.63765	2.16740	1.33475		1.73074	1.28770	

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-.23148	-	-	-2.51485
		1.43839	1.76234	1.63710	2.18196	1.34016		1.71919	1.29540	
	Maximum	1.80739	1.99778	2.12961	1.41701	1.41173	4.62959	1.97724	2.33565	2.62681
	N Valid	1631	1631	1631	1631	1631	1631	1631	1631	1631
	Missing	48	48	48	48	48	48	48	48	48
10	Minimum	-	-	-	-	-	-.23165	-	-	-2.51645
		1.45268	1.75467	1.65838	2.18680	1.32306		1.72917	1.29705	
	Maximum	1.80345	1.99871	2.13006	1.40692	1.42127	4.62629	1.97929	2.30565	2.62055
	N Valid	1632	1632	1632	1632	1632	1632	1632	1632	1632
	Missing	47	47	47	47	47	47	47	47	47
	Minimum	-	-	-	-	-	-.23156	-	-	-2.50013
		1.45883	1.76098	1.63862	2.17820	1.32557		1.71601	1.28893	
	Maximum	1.81138	2.00911	2.12854	1.41626	1.41574	4.62794	1.98161	2.32807	2.62426

Appendix E8: Univariate Outliers (Hispanic Origin)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Minimum	-	-	-	-	-	-	-	-	-
			1.91517	2.67227	2.21584	2.54882	1.73517	-1.15076	1.87973	1.47911	-2.63990
2	N	Valid	48	48	48	48	48	48	48	48	48
		Missing	1631	1631	1631	1631	1631	1631	1631	1631	1631
		Minimum	-	-	-	-	-	-	-	-	-
			2.02084	2.58324	1.97529	2.42629	1.78104	-2.20184	1.81868	1.30075	-2.35737
3	N	Valid	46	46	46	46	46	46	46	46	46
		Missing	1633	1633	1633	1633	1633	1633	1633	1633	1633
		Minimum	-	-	-	-	-	-	-	-	-
			2.00813	2.65460	2.19250	2.66808	1.88770	-1.15250	1.89793	1.42985	-2.68368
4	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Minimum	-	-	-	-	-	-	-	-	-
			1.97143	2.73239	2.11673	2.50356	1.83538	-1.15076	1.91031	1.43591	-2.51425
5	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Minimum	-	-	-	-	-	-	-	-	-
			1.82230	2.42056	1.90394	2.57621	1.76533	-1.15076	1.86945	1.45099	-3.04826
6	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Minimum	-	-	-	-	-	-	-	-	-
			1.92199	2.53953	2.15574	2.61878	1.81621	-1.15076	1.88603	1.42978	-2.56300
7	N	Valid	47	47	47	47	47	47	47	47	47
		Missing	1632	1632	1632	1632	1632	1632	1632	1632	1632
		Minimum	-	-	-	-	-	-	-	-	-
			2.00614	2.71262	2.08723	2.64277	1.73041	-1.15076	1.94665	1.50478	-2.69444
8	N	Valid	46	46	46	46	46	46	46	46	46
		Missing	1633	1633	1633	1633	1633	1633	1633	1633	1633
		Minimum	-	-	-	-	-	-	-	-	-
			1.76431	2.16095	1.39189	1.40632	1.24310	6.48249	1.87517	2.22896	2.63553

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum		-	-	-	-	-	-	-	-	-
			1.95740	2.57757	2.18686	2.57697	1.77394	-.15250	1.85363	1.47042	-2.68406
	Maximum		1.84296	1.97955	1.36193	1.45784	1.21180	6.40494	1.93177	2.28957	2.65466
	N	Valid	48	48	48	48	48	48	48	48	48
	Missing		1631	1631	1631	1631	1631	1631	1631	1631	1631
	Minimum		-	-	-	-	-	-	-	-	-
10			1.77322	2.53122	2.14081	2.58787	1.88597	-.14907	1.84990	1.40463	-2.38872
	Maximum		1.79191	2.16926	1.36347	1.52050	1.25530	6.55913	1.95706	2.31757	2.52897
	N	Valid	47	47	47	47	47	47	47	47	47
	Missing		1632	1632	1632	1632	1632	1632	1632	1632	1632
	Minimum		-	-	-	-	-	-	-	-	-
			1.94236	2.47131	2.10021	2.43544	1.89747	-.15076	1.84175	1.43065	-2.50155
Maximum		1.82287	2.14843	1.39930	1.35877	1.22185	6.48249	1.96088	2.21437	2.39446	

Appendix E9: Univariate Outliers (No CHS)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	997	997	997	997	997	997	997	997	997
		Missing	682	682	682	682	682	682	682	682	682
		Minimum	-	-	-	-	-	-	-	-	-
			1.29238	1.58596	1.56376	2.05932	1.27570	-2.20983	1.58273	1.24034	-2.30673
2	N	Valid	981	981	981	981	981	981	981	981	981
		Missing	698	698	698	698	698	698	698	698	698
		Minimum	-	-	-	-	-	-	-	-	-
			1.26737	1.58187	1.54925	2.07060	1.27532	-2.21192	1.56275	1.21055	-2.30672
3	N	Valid	996	996	996	996	996	996	996	996	996
		Missing	683	683	683	683	683	683	683	683	683
		Minimum	-	-	-	-	-	-	-	-	-
			1.28932	1.61927	1.56760	2.08622	1.25503	-2.20157	1.56707	1.23118	-2.32698
4	N	Valid	985	985	985	985	985	985	985	985	985
		Missing	694	694	694	694	694	694	694	694	694
		Minimum	-	-	-	-	-	-	-	-	-
			1.27607	1.58975	1.59936	2.07177	1.26829	-2.19907	1.57265	1.20696	-2.30281
5	N	Valid	992	992	992	992	992	992	992	992	992
		Missing	687	687	687	687	687	687	687	687	687
		Minimum	-	-	-	-	-	-	-	-	-
			1.28611	1.58862	1.56984	2.08945	1.27535	-2.21226	1.58258	1.23151	-2.33148
6	N	Valid	1003	1003	1003	1003	1003	1003	1003	1003	1003
		Missing	676	676	676	676	676	676	676	676	676
		Minimum	-	-	-	-	-	-	-	-	-
			1.28476	1.59590	1.58023	2.09058	1.25226	-2.21524	1.58639	1.22806	-2.32298
7	N	Valid	969	969	969	969	969	969	969	969	969
		Missing	710	710	710	710	710	710	710	710	710
		Minimum	-	-	-	-	-	-	-	-	-
			1.29735	1.59120	1.57828	2.08161	1.26662	-2.20999	1.57600	1.21432	-2.31158
8	N	Valid	993	993	993	993	993	993	993	993	993
		Missing	686	686	686	686	686	686	686	686	686
		Minimum	-	-	-	-	-	-	-	-	-
			1.28476	1.59590	1.58023	2.09058	1.25226	-2.21524	1.58639	1.22806	-2.32298

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.27641	1.58773	1.56620	2.07024	1.27560	-.21628	1.57171	1.23069	-2.31737
	Maximum	2.00490	2.24986	2.17989	1.53135	1.50556	4.96868	2.19112	2.53078	2.84018
	N Valid	1007	1007	1007	1007	1007	1007	1007	1007	1007
	Missing	672	672	672	672	672	672	672	672	672
	Minimum	-	-	-	-	-	-	-	-	-
10		1.28381	1.58906	1.60301	2.09682	1.25243	-.20619	1.59347	1.22759	-2.31916
	Maximum	1.99646	2.22588	2.18538	1.52788	1.51810	5.29623	2.17355	2.46704	2.81110
	N Valid	985	985	985	985	985	985	985	985	985
	Missing	694	694	694	694	694	694	694	694	694
	Minimum	-	-	-	-	-	-	-	-	-
		1.30761	1.58499	1.58946	2.10063	1.26022	-.22062	1.56190	1.22068	-2.29506
	Maximum	1.99613	2.24376	2.18369	1.51988	1.50935	4.82218	2.18933	2.47002	2.79600

Appendix E10: Univariate Outliers (CHS)

[illegible]

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZYLSITOTL
9	N	Missing	993	993	993	993	993	993	993	993	993
		Minimum	-	-	-	-	-	-	-	-	-
			1.80174	2.22480	1.78471	2.42573	1.47293	-2.24727	2.04534	1.42287	-3.14742
	Maximum	1.62114	1.78565	2.05477	1.28341	1.27918	4.30546	1.77516	2.11780	2.12913	
	Valid	672	672	672	672	672	672	672	672	672	672
		Missing	1007	1007	1007	1007	1007	1007	1007	1007	1007
			Minimum	-	-	-	-	-	-	-	-
	Maximum	1.83922	2.19723	1.78088	2.39751	1.47918	-2.26029	2.03261	1.42962	-3.14961	
		Maximum	1.61887	1.80560	2.04260	1.26266	1.28260	4.03620	1.78434	2.11906	2.13705
	10	N	Valid	694	694	694	694	694	694	694	694
Missing			985	985	985	985	985	985	985	985	985
Minimum		-	-	-	-	-	-	-	-	-	-
		1.78492	2.20199	1.74226	2.33873	1.46343	-2.24143	2.04714	1.41215	-3.08833	
		Maximum	1.63307	1.82299	2.04151	1.28712	1.28484	4.46094	1.79238	2.16158	2.57984

Appendix E11: Univariate Outliers (No Gang Affiliation)

[illegible]

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.40448	1.76053	1.62291	2.15323	1.32872	-.23178	1.70483	1.28688	-2.53041
	Maximum	1.83283	2.01252	2.15786	1.44314	1.43157	4.61668	2.02595	2.38524	2.70893
	N Valid	1538	1538	1538	1538	1538	1538	1538	1538	1538
	Missing	141	141	141	141	141	141	141	141	141
	Minimum	-	-	-	-	-	-	-	-	-
10		1.43016	1.74801	1.64644	2.18744	1.32521	-.23065	1.71075	1.28251	-2.52821
	Maximum	1.81998	2.01774	2.16420	1.42579	1.42908	4.62691	2.02557	2.36115	2.69325
	N Valid	1568	1568	1568	1568	1568	1568	1568	1568	1568
	Missing	111	111	111	111	111	111	111	111	111
	Minimum	-	-	-	-	-	-	-	-	-
		1.42674	1.75794	1.62818	2.15278	1.31696	-.23221	1.70233	1.28246	-2.51391
	Maximum	1.84076	2.03667	2.15610	1.43994	1.43973	4.60811	2.03083	2.38122	2.70731

Appendix E12: Univariate Outliers (Gang Affiliation)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	110	110	110	110	110	110	110	110	110
		Missing	1569	1569	1569	1569	1569	1569	1569	1569	1569
		Minimum	-	-	-	-	-	-.19591	-	-	-3.22645
			2.67525	2.04914	2.24374	2.23988	1.70234		2.17204	1.63782	
2	N	Valid	136	136	136	136	136	136	136	136	136
		Missing	1543	1543	1543	1543	1543	1543	1543	1543	1543
		Minimum	-	-	-	-	-	-.22036	-	-	-2.90661
			1.94658	2.05022	2.05698	2.34498	1.42433		2.04706	1.47502	
3	N	Valid	134	134	134	134	134	134	134	134	134
		Missing	1545	1545	1545	1545	1545	1545	1545	1545	1545
		Minimum	-	-	-	-	-	-.20167	-	-	-2.88535
			1.97377	2.06953	2.12376	2.38872	1.36815		2.05114	1.50043	
4	N	Valid	136	136	136	136	136	136	136	136	136
		Missing	1543	1543	1543	1543	1543	1543	1543	1543	1543
		Minimum	-	-	-	-	-	-.20078	-	-	-2.90531
			1.94543	1.97460	2.10134	2.40653	1.48970		2.06185	1.54793	
5	N	Valid	110	110	110	110	110	110	110	110	110
		Missing	1569	1569	1569	1569	1569	1569	1569	1569	1569
		Minimum	-	-	-	-	-	-.19299	-	-	-3.13538
			2.58524	2.05429	2.19637	1.96484	1.58202		2.21270	1.59993	
6	N	Valid	133	133	133	133	133	133	133	133	133
		Missing	1546	1546	1546	1546	1546	1546	1546	1546	1546
		Minimum	-	-	-	-	-	-.20078	-	-	-2.90836
			2.02290	2.01881	2.11287	2.38021	1.41993		2.05674	1.52691	
7	N	Valid	113	113	113	113	113	113	113	113	113
		Missing	1566	1566	1566	1566	1566	1566	1566	1566	1566
		Minimum	-	-	-	-	-	-.21807	-	-	-3.26349
			2.66532	2.06824	2.13072	2.00239	1.68127		2.24028	1.59330	
8	N	Valid	110	110	110	110	110	110	110	110	110
		Missing	1569	1569	1569	1569	1569	1569	1569	1569	1569
		Minimum	-	-	-	-	-	-	-	-	-
			2.67525	2.04914	2.24374	2.23988	1.70234		2.17204	1.63782	

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		2.67581	2.07773	2.19670	2.05743	1.73803	-.19591	2.16962	1.56391	-3.22897
	Maximum	1.73900	1.77733	1.79486	1.17393	1.10173	5.45758	1.49923	1.82767	1.81432
	N Valid	141	141	141	141	141	141	141	141	141
	Missing	1538	1538	1538	1538	1538	1538	1538	1538	1538
	Minimum	-	-	-	-	-	-	-	-	-
10		1.89094	2.06321	2.01309	2.31414	1.45061	-.21661	2.09091	1.55689	-2.94340
	Maximum	1.67562	1.84661	1.79249	1.24766	1.27158	5.11195	1.61203	1.87527	1.93299
	N Valid	111	111	111	111	111	111	111	111	111
	Missing	1568	1568	1568	1568	1568	1568	1568	1568	1568
	Minimum	-	-	-	-	-	-	-	-	-
		2.58200	2.10351	2.06633	2.91554	1.72050	-.19111	2.13899	1.51477	-3.15150
	Maximum	1.65665	1.72281	1.76514	1.15082	1.06085	5.59671	1.50608	1.77296	1.79311

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.01030	1.81662	2.03990	1.88341	1.13159	-.29071	1.60499	1.31133	-2.40981
	Maximum	2.35561	1.88383	2.36112	1.56913	1.77355	3.87615	2.30078	2.12506	2.95372
	N Valid	151	151	151	151	151	151	151	151	151
	Missing	1528	1528	1528	1528	1528	1528	1528	1528	1528
	Minimum	-.88246	-	-	-	-	-.29261	-	-	-2.32096
10			1.80050	1.99039	1.84114	1.04355		1.69212	1.38318	
	Maximum	2.74576	1.83848	2.26571	1.66226	1.94565	3.91362	2.07452	1.90210	2.84419
	N Valid	159	159	159	159	159	159	159	159	159
	Missing	1520	1520	1520	1520	1520	1520	1520	1520	1520
	Minimum	-.99975	-	-	-	-	-.28346	-	-	-2.26605
			1.72351	1.93147	1.92679	1.05149		1.63877	1.37006	
	Maximum	2.51885	1.88941	2.15673	1.51482	1.95377	4.03928	2.08469	1.93852	2.75871

Appendix E14: Univariate Outliers (Drug Crimes)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	176	176	176	176	176	176	176	176	176
		Missing	1503	1503	1503	1503	1503	1503	1503	1503	1503
		Minimum	-	-	-	-	-	-	-	-	-
			1.59226	1.69060	1.43903	2.41555	2.46181	-.22958	1.38618	1.28570	-2.61524
2	N	Valid	176	176	176	176	176	176	176	176	176
		Missing	1503	1503	1503	1503	1503	1503	1503	1503	1503
		Minimum	-	-	-	-	-	-	-	-	-
			1.64111	1.66388	1.39571	2.48274	2.25414	-.26905	1.32600	1.25339	-2.64898
3	N	Valid	179	179	179	179	179	179	179	179	179
		Missing	1500	1500	1500	1500	1500	1500	1500	1500	1500
		Minimum	-	-	-	-	-	-	-	-	-
			1.58635	1.74948	1.45166	2.34027	2.33733	-.24147	1.39383	1.31904	-2.69323
4	N	Valid	175	175	175	175	175	175	175	175	175
		Missing	1504	1504	1504	1504	1504	1504	1504	1504	1504
		Minimum	-	-	-	-	-	-	-	-	-
			1.58578	1.68667	1.45211	2.39961	2.44799	-.24645	1.36444	1.25851	-2.67351
5	N	Valid	181	181	181	181	181	181	181	181	181
		Missing	1498	1498	1498	1498	1498	1498	1498	1498	1498
		Minimum	-	-	-	-	-	-	-	-	-
			1.61697	1.75401	1.42142	2.42919	2.47148	-.26762	1.39455	1.33792	-2.69956
6	N	Valid	178	178	178	178	178	178	178	178	178
		Missing	1501	1501	1501	1501	1501	1501	1501	1501	1501
		Minimum	-	-	-	-	-	-	-	-	-
			1.64370	1.73490	1.46727	2.51618	2.48404	-.25923	1.37279	1.30235	-2.71184
7	N	Valid	177	177	177	177	177	177	177	177	177
		Missing	1502	1502	1502	1502	1502	1502	1502	1502	1502
		Minimum	-	-	-	-	-	-	-	-	-
			1.67480	1.69312	1.37185	2.37006	2.35875	-.22958	1.33464	1.22485	-2.60207
8	N	Valid	176	176	176	176	176	176	176	176	176
		Missing	1503	1503	1503	1503	1503	1503	1503	1503	1503
		Minimum	-	-	-	-	-	-	-	-	-
			1.67480	1.69312	1.37185	2.37006	2.35875	-.22958	1.33464	1.22485	-2.60207

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.55616	1.73480	1.40882	2.43115	2.43884	-.22881	1.35586	1.24143	-2.65348
	Maximum	1.81803	2.33927	2.12145	1.58186	1.23886	4.49990	2.40356	3.03657	2.65809
	N Valid	181	181	181	181	181	181	181	181	181
	Missing	1498	1498	1498	1498	1498	1498	1498	1498	1498
	Minimum	-	-	-	-	-	-	-	-	-
10		1.69721	1.67704	1.49004	2.39414	2.49739	-.24067	1.39577	1.33207	-2.68695
	Maximum	1.77331	2.25937	2.10012	1.61527	1.25433	4.26131	2.32874	2.87781	2.56599
	N Valid	192	192	192	192	192	192	192	192	192
	Missing	1487	1487	1487	1487	1487	1487	1487	1487	1487
	Minimum	-	-	-	-	-	-	-	-	-
		1.64382	1.72069	1.47344	2.40482	2.39393	-.23381	1.42003	1.26718	-2.69264
	Maximum	1.79173	2.24850	2.11642	1.54673	1.26024	4.38741	2.28597	2.78555	2.56205

Appendix B15: Univariate Outliers (Property Crimes)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	805	805	805	805	805	805	805	805	805
		Missing	874	874	874	874	874	874	874	874	874
		Minimum	-	-	-	-	-	-	-	-	-
			1.62996	1.80504	1.70181	2.45986	1.42206	-0.25316	1.66468	1.31731	-2.61378
2	N	Valid	797	797	797	797	797	797	797	797	797
		Missing	882	882	882	882	882	882	882	882	882
		Minimum	-	-	-	-	-	-	-	-	-
			1.61747	1.78142	1.68491	2.49027	1.42390	-0.23994	1.67401	1.31518	-2.60538
3	N	Valid	795	795	795	795	795	795	795	795	795
		Missing	884	884	884	884	884	884	884	884	884
		Minimum	-	-	-	-	-	-	-	-	-
			1.61528	1.80586	1.68490	2.48400	1.41737	-0.23760	1.66748	1.29192	-2.61034
4	N	Valid	807	807	807	807	807	807	807	807	807
		Missing	872	872	872	872	872	872	872	872	872
		Minimum	-	-	-	-	-	-	-	-	-
			1.64403	1.82435	1.70156	2.52263	1.42431	-0.23201	1.69392	1.28590	-2.60802
5	N	Valid	813	813	813	813	813	813	813	813	813
		Missing	866	866	866	866	866	866	866	866	866
		Minimum	-	-	-	-	-	-	-	-	-
			1.64798	1.81283	1.70154	2.49570	1.42003	-0.24377	1.68982	1.30873	-2.62755
6	N	Valid	794	794	794	794	794	794	794	794	794
		Missing	885	885	885	885	885	885	885	885	885
		Minimum	-	-	-	-	-	-	-	-	-
			1.60280	1.79797	1.71361	2.47922	1.40494	-0.24328	1.68750	1.30173	-2.57830
7	N	Valid	799	799	799	799	799	799	799	799	799
		Missing	880	880	880	880	880	880	880	880	880
		Minimum	-	-	-	-	-	-	-	-	-
			1.62473	1.80279	1.69988	2.48097	1.42574	-0.23573	1.70281	1.31002	-2.60254
8	N	Valid	799	799	799	799	799	799	799	799	799
		Missing	880	880	880	880	880	880	880	880	880
		Minimum	-	-	-	-	-	-	-	-	-
			1.67313	2.10464	2.16209	1.36504	1.33060	4.61176	2.05654	2.35549	2.63182

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.61267	1.79964	1.69065	2.51080	1.41619	-.24209	1.68810	1.31852	-2.60246
	Maximum	1.67547	2.04777	2.15274	1.37167	1.34253	4.47062	2.00720	2.32426	2.59660
	N Valid	801	801	801	801	801	801	801	801	801
	Missing	878	878	878	878	878	878	878	878	878
	Minimum	-	-	-	-	-	-	-	-	-
10		1.61725	1.78808	1.67789	2.52023	1.41199	-.24451	1.66516	1.29890	-2.58824
	Maximum	1.66732	2.07314	2.21010	1.35996	1.33671	4.41714	2.06015	2.34703	2.63588
	N Valid	791	791	791	791	791	791	791	791	791
	Missing	888	888	888	888	888	888	888	888	888
	Minimum	-	-	-	-	-	-	-	-	-
		1.63710	1.79403	1.67062	2.45600	1.39500	-.23091	1.65657	1.29025	-2.55072
	Maximum	1.67805	2.09426	2.18996	1.39145	1.33787	4.68619	2.04454	2.36786	2.62573

Appendix B16: Univariate Outliers (Violent Crimes)

Imputation Number			ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
1	N	Valid	536	536	536	536	536	536	536	536	536
		Missing	1143	1143	1143	1143	1143	1143	1143	1143	1143
		Minimum	-	-	-	-	-	-	-	-	-
			1.38863	1.77459	1.60046	1.88638	1.15191	-1.17312	2.04183	1.28851	-2.49389
2	N	Valid	544	544	544	544	544	544	544	544	544
		Missing	1135	1135	1135	1135	1135	1135	1135	1135	1135
		Minimum	-	-	-	-	-	-	-	-	-
			1.41174	1.77651	1.61248	1.89924	1.16946	-1.18351	2.00688	1.29107	-2.49022
3	N	Valid	547	547	547	547	547	547	547	547	547
		Missing	1132	1132	1132	1132	1132	1132	1132	1132	1132
		Minimum	-	-	-	-	-	-	-	-	-
			1.42585	1.80409	1.61686	1.88457	1.15439	-1.19390	2.04701	1.30520	-2.52551
4	N	Valid	541	541	541	541	541	541	541	541	541
		Missing	1138	1138	1138	1138	1138	1138	1138	1138	1138
		Minimum	-	-	-	-	-	-	-	-	-
			1.37594	1.75573	1.64267	1.86162	1.14495	-1.19363	2.02296	1.31144	-2.48722
5	N	Valid	536	536	536	536	536	536	536	536	536
		Missing	1143	1143	1143	1143	1143	1143	1143	1143	1143
		Minimum	-	-	-	-	-	-	-	-	-
			1.39703	1.74642	1.62847	1.90071	1.14928	-1.17780	2.05491	1.29006	-2.50057
6	N	Valid	549	549	549	549	549	549	549	549	549
		Missing	1130	1130	1130	1130	1130	1130	1130	1130	1130
		Minimum	-	-	-	-	-	-	-	-	-
			1.42169	1.78107	1.61956	1.88897	1.16121	-1.17564	2.03050	1.30542	-2.52836
7	N	Valid	545	545	545	545	545	545	545	545	545
		Missing	1134	1134	1134	1134	1134	1134	1134	1134	1134
		Minimum	-	-	-	-	-	-	-	-	-
			1.41665	1.77504	1.61176	1.91008	1.16925	-1.17153	2.03526	1.29799	-2.53788
8	N	Valid	537	537	537	537	537	537	537	537	537
		Missing	1142	1142	1142	1142	1142	1142	1142	1142	1142
		Minimum	-	-	-	-	-	-	-	-	-
			1.42169	1.78107	1.61956	1.88897	1.16121	-1.17564	2.03050	1.30542	-2.52836

Imputation Number		ZSC1	ZSC2	ZSC3	ZSC4	ZSC5	ZSC6Trans	ZSC7	ZSC8	ZLSITOTL
9	Minimum	-	-	-	-	-	-	-	-	-
		1.38338	1.75781	1.58118	1.89068	1.15414	-.19054	2.04335	1.30287	-2.48710
	Maximum	1.93004	1.86257	2.03312	1.43832	1.53276	5.40229	1.80780	2.25636	2.15440
	N Valid	546	546	546	546	546	546	546	546	546
	Missing	1133	1133	1133	1133	1133	1133	1133	1133	1133
	Minimum	-	-	-	-	-	-	-	-	-
10		1.42288	1.77692	1.65046	1.91420	1.13884	-.18370	2.05552	1.28595	-2.51229
	Maximum	1.92742	1.87637	1.98782	1.40358	1.55921	5.61419	1.81291	2.24054	2.13727
	N Valid	537	537	537	537	537	537	537	537	537
	Missing	1142	1142	1142	1142	1142	1142	1142	1142	1142
	Minimum	-	-	-	-	-	-	-	-	-
		1.38954	1.79348	1.61432	1.90216	1.16172	-.21084	2.03365	1.29575	-2.52182
	Maximum	1.93248	1.86307	2.02390	1.41053	1.52072	4.92125	1.83127	2.26984	2.34806

Appendix E17 – Log10 Z-Scores for SC6

Imputation Number		ZSC 6 Male	ZSC 6 Female	Zsc 6BIack	Zsc6 White	SC6 BiRacial	Zsc 6ot her	ZSC 6NO Hispanic	ZSC 6Hispanic	ZSC 6No CHS	ZS C6 CHS	ZSC 6No Gang	ZSC 6Gang	ZSC 6Mi nor	ZSC 6Dr ugs	ZSC 6Pro pert y	ZSC 6Vi olen t
1	N Valid	1321	358	455	1169	22	33	1632	47	997	682	1569	110	162	176	805	536
	Missing	358	1321	1224	510	1657	1646	47	1632	682	997	110	1569	1517	1503	874	1143
	Minimum	-.35671	-.30480	-.24477	-.38297	-.29989	-.31140	-.34850	-.25286	-.34216	-.35154	-.34866	-.30578	-.48986	-.38652	-.33993	-.29253
	Maximum	4.89230	6.02303	6.10500	4.78892	3.77801	3.11400	5.03682	5.08845	5.22671	4.88800	5.03828	5.84768	4.16309	4.60062	4.86704	6.30474
2	N Valid	1321	358	456	1167	22	34	1631	48	981	698	1543	136	162	176	797	544
	Missing	358	1321	1223	512	1657	1645	48	1631	698	981	136	1543	1517	1503	882	1135
	Minimum	-.34945	-.31713	-.24004	-.38039	-.29671	-.30468	-.34342	-.31631	-.33309	-.35605	-.33800	-.39564	-.53417	-.37785	-.32772	-.28928
	Maximum	4.98163	5.71948	6.13669	4.81273	3.87051	3.40174	5.10006	3.51390	5.13598	5.08797	5.12199	5.05110	3.98574	4.55047	4.94643	6.48349
3	N Valid	1321	358	455	1171	22	31	1633	46	996	683	1545	134	158	179	795	547
	Missing	358	1321	1224	508	1657	1648	46	1633	683	996	134	1545	1521	1500	884	1132
	Minimum	-.35598	-.30017	-.23211	-.38728	-.30423	-.17961	-.34744	-.23022	-.34165	-.34890	-.34175	-.37952	-.53970	-.36423	-.33251	-.28982
	Maximum	4.98058	6.18672	6.36016	4.82817	3.60695	5.38816	5.13035	5.79457	5.36873	4.93553	5.14802	5.60011	3.88648	4.74669	5.20909	6.06140
4	N Valid	1321	358	455	1167	23	34	1632	47	985	694	1543	136	156	175	807	541
	Missing	358	1321	1224	512	1656	1645	47	1632	694	985	136	1543	1523	1504	872	1138
	Minimum	-.35946	-.29671	-.24373	-.38500	-.34891	-.24630	-.34949	-.24614	-.33922	-.35773	-.34335	-.38382	-.52512	-.40011	-.33869	-.27888
	Maximum	4.90744	6.08225	6.16397	4.79353	3.07143	3.94074	5.04986	5.98028	5.42385	4.72642	5.10556	5.06425	3.68837	4.39959	5.08169	6.47021

Imputation Number		ZSC 6 Male	ZSC 6 Female	Zsc 6Bl ack	Zsc6 Whit e	SC6 BiR acial	Zsc 6ot her	ZSC 6NO Hisp anic	ZSC 6His pani c	ZSC 6No CHS	ZS C6 CH S	ZSC 6No Gang	ZSC 6Ga ng	ZSC 6Mi nor	ZSC 6Dr ugs	ZSC 6Pro pert y	ZSC 6Vi olen t
5	N Valid	1321	358	455	1168	22	34	1632	47	992	687	1569	110	149	181	813	536
	Miss ing	358	1321	1224	511	1657	1645	47	1632	687	992	110	1569	1530	1498	866	1143
	Minimu m	-.35773	-.30975	-.24449	-.38792	-.21491	-.26543	-.35010	-.26263	-.34678	-.34958	-.35179	-.28766	-.55542	-.39096	-.33900	-.28048
	Maximu m	4.85409	5.73961	6.10608	4.67533	4.47708	3.91519	4.97380	4.37264	5.15297	4.82046	4.96703	5.76563	3.82554	4.06712	4.88703	6.71155
6	N Valid	1321	358	455	1168	22	34	1632	47	1003	676	1546	133	158	178	794	549
	Miss ing	358	1321	1224	511	1657	1645	47	1632	676	1003	133	1546	1521	1501	885	1130
	Minimu m	-.35903	-.29311	-.24187	-.38507	-.25356	-.27389	-.34912	-.20812	-.36019	-.32319	-.34647	-.33556	-.51702	-.39685	-.33883	-.28025
	Maximu m	4.84770	6.06703	6.10799	4.72098	4.38702	3.88254	4.99333	6.35731	4.87746	5.33511	5.01596	5.46065	3.66586	4.25606	4.95406	6.69795
7	N Valid	1321	358	455	1168	23	33	1632	47	969	710	1566	113	158	177	799	545
	Miss ing	358	1321	1224	511	1656	1646	47	1632	710	969	113	1566	1521	1502	880	1134
	Minimu m	-.35790	-.29855	-.23923	-.38478	-.29655	-.27764	-.34857	-.22900	-.33706	-.35671	-.34771	-.31255	-.54489	-.37948	-.34442	-.26568
	Maximu m	4.85484	6.41931	6.16477	4.77057	3.73082	3.82220	5.05061	6.10591	5.30794	4.79708	5.07795	5.44332	3.46282	4.38721	4.92552	7.07328
8	N Valid	1321	358	455	1167	22	35	1633	46	993	686	1569	110	167	176	799	537
	Miss ing	358	1321	1224	512	1657	1644	46	1633	686	993	110	1569	1512	1503	880	1142
	Minimu m	-.36518	-.29762	-.25040	-.39042	-.29906	-.24841	-.35414	-.24894	-.34673	-.35804	-.35408	-.31171	-.53702	-.37103	-.34138	-.29388
	Maximu m	4.79566	6.00414	5.98485	4.68298	3.80420	4.00140	4.94778	5.29456	5.02884	4.94336	4.95302	5.70424	3.83338	4.58595	4.89922	6.11132
9	N Valid	1321	358	455	1167	22	35	1631	48	1007	672	1538	141	151	181	801	546

Imputation Number	ZSC 6 Male	ZSC 6 Female	Zsc 6Bl ack	Zsc6 Whit e	SC6 BiR acial	Zsc 6ot her	ZSC 6NO Hisp anic	ZSC 6His pani c	ZSC 6No CHS	ZS C6 CH S	ZSC 6No Gang	ZSC 6Ga ng	ZSC 6Mi nor	ZSC 6Dr ugs	ZSC 6Pro pert y	ZSC 6Vi olen t
Missing	358	132 1	122 4	512	165 7	164 4	48	163 1	672	100 7	141	153 8	152 8	149 8	878	113 3
Minimum	-.366 31	-.294 12	-.235 43	-.394 18	-.308 96	-.28 128	-.3539 7	-.276 34	-.346 40	-.35 972	-.3486 8	-.383 56	-.546 04	-.388 26	-.341 80	-.291 56
Maximum	4.79 984	6.02 231	6.27 263	4.65 438	3.08 957	3.8 627 3	4.953 26	5.09 430	5.19 333	4.7 433 5	5.009 86	4.88 810	3.71 468	4.33 798	4.93 009	6.29 070
10 N Valid	1321	358	455	1168	23	33	1632	47	985	694	1568	111	159	192	791	537
Missing	358	132 1	122 4	511	165 6	164 6	47	163 2	694	985	111	156 8	152 0	148 7	888	114 2
Minimum	-.363 56	-.298 04	-.236 97	-.393 44	-.345 75	-.17 408	-.3523 4	-.275 97	-.345 94	-.35 608	-.3562 1	-.258 49	-.521 42	-.384 61	-.334 87	-.303 97
Maximum	4.86 946	6.07 060	6.20 063	4.71 778	3.69 441	5.5 704 8	5.024 76	4.86 415	5.11 929	4.9 951 3	5.019 25	5.94 682	4.24 552	4.56 691	5.06 474	5.70 437

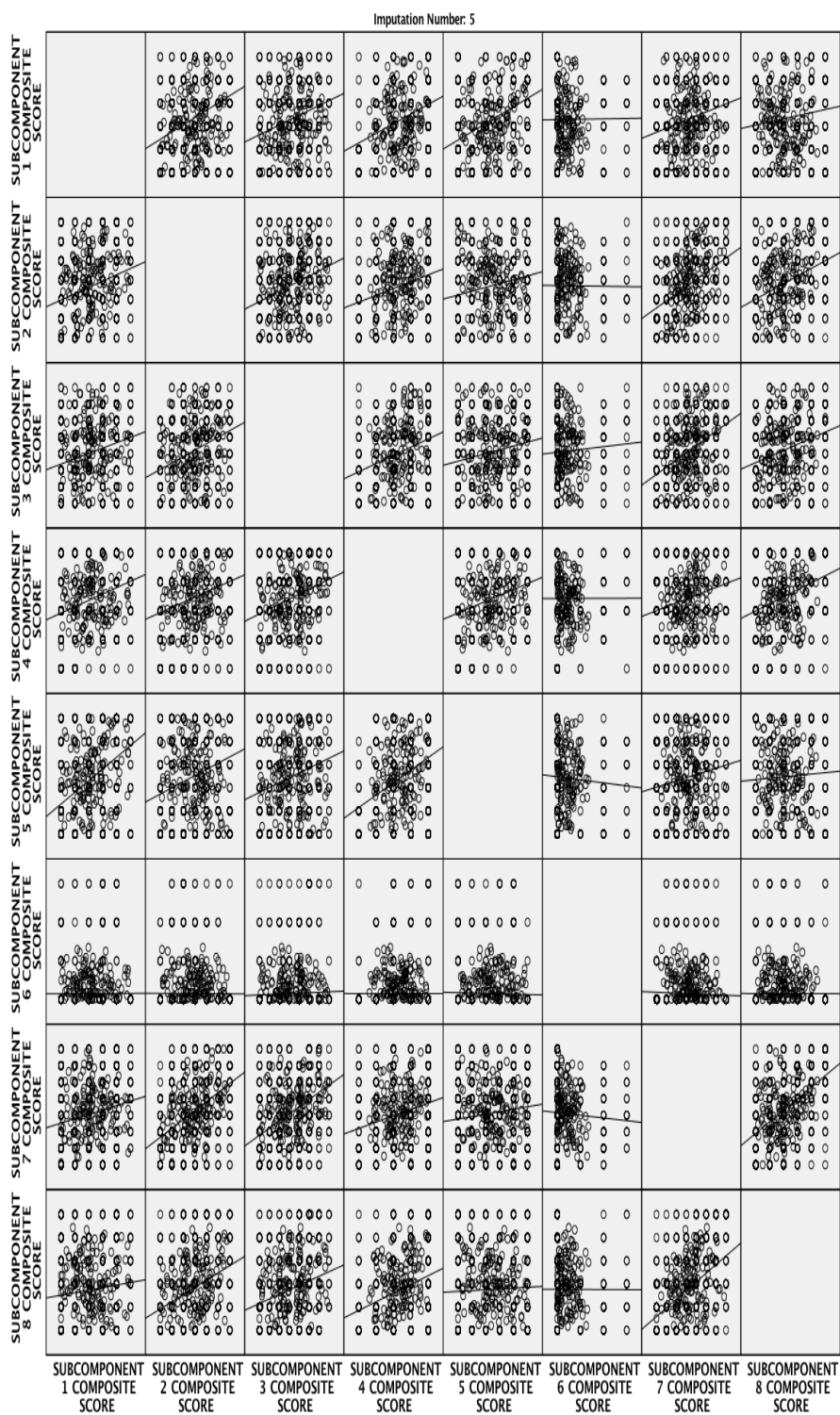
E18 – Collapsed Z-scores for SC6

Imp.		ZSC 6															
		ZSC 6	Zsc6	Zsc6	SC6	Zsc6	NO	ZSC 6	ZSC 6	ZSC 6	ZSC 6	ZSC 6	ZSC 6	ZSC 6	ZSC 6	ZSC 6	
		Male	Female	Black	White	Biracial	Other	Hispanic	Hispanic	No CHS	CHS	Gang	Gang	Minor	Drugs	Property	Violent
1	N Val	1187	326	446	1014	21	32	1469	44	888	625	1412	101	124	154	737	498
	Mis	492	1353	1233	665	1658	1647	210	1635	791	1054	267	1578	1555	1525	942	1181
	Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		.243	.171	.218	.234	.218	.240	.231	.150	.209	.255	.231	.195	.281	.229	.253	.173
		49	31	01	19	22	29	56	76	83	43	78	91	00	58	16	12
	Max.	4.38	6.39	4.76	4.61	4.36	4.88	4.62	6.48	5.19	4.11	4.61	5.45	4.07	4.48	4.24	5.98
		091	908	836	204	436	593	794	249	095	839	668	758	448	455	267	483
2	N Val	1187	326	447	1012	21	33	1468	45	876	637	1394	119	124	155	728	506
	Mis	492	1353	1232	667	1658	1646	211	1634	803	1042	285	1560	1555	1524	951	1173
	Mini	Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mum		.171	.217	.234	.218	.236	.230	.201	.211	.252	.230	.220	.281	.269	.239	.183
			31	76	43	22	52	37	84	92	09	30	36	00	05	94	51
	Maxi	Max	6.39	4.77	4.60	4.36	4.96	4.63	5.85	5.09	4.20	4.63	5.02	4.07	3.90	4.48	5.61
	mum		908	395	728	436	702	550	346	219	846	388	429	448	127	100	994
3	N Val	1187	326	446	1015	21	31	1470	43	883	630	1397	116	122	158	723	510
	Mis	492	1353	1233	664	1658	1648	209	1636	796	1049	282	1563	1557	1521	956	1169
	Mini	Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mum		.171	.218	.235	.218	.179	.231	.152	.201	.264	.231	.201	.297	.241	.237	.193
			31	01	90	22	61	48	50	57	76	75	67	02	47	60	90
	Maxi	Max	6.39	4.76	4.60	4.36	5.38	4.62	6.40	5.44	3.95	4.60	5.64	3.96	4.24	4.53	5.29
	mum		908	836	130	436	816	959	494	875	805	040	684	610	707	426	986
4	N Val	1187	326	446	1012	21	34	1469	44	874	639	1396	117	119	152	737	505
	Mis	492	1353	1233	667	1658	1645	210	1635	805	1040	283	1562	1560	1527	942	1174
	Mini	Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mum		.171	.218	.234	.218	.232	.231	.150	.199	.266	.231	.200	.319	.246	.232	.193
			31	01	43	22	93	56	76	07	57	84	78	56	45	01	63
	Maxi	Max	6.39	4.76	4.60	4.36	5.04	4.62	6.48	5.32	4.04	4.59	5.67	3.48	4.16	4.65	5.39
	mum		908	836	728	436	682	794	249	440	575	868	208	325	060	336	385
5	N Val	1187	326	446	1013	21	33	1469	44	887	626	1409	104	113	160	742	498

6	Mis s	492	1353	1233	666	1658	1646	210	1635	792	1053	270	1575	1566	1519	937	1181	
	Mini mum	Min.	- .171 31	- .218 01	- .234 31	- .218 22	- .236 52	- .231 56	- .150 76	- .212 26	- .252 46	- .232 04	- .192 99	- .277 87	- .267 62	- .243 77	- .177 80	
	Maxi mum	Max	6.39 908	4.76 836	4.60 966	4.36 436	4.96 702	4.62 794	6.48 249	5.16 699	4.13 758	4.61 154	5.54 148	4.20 775	3.81 039	4.39 405	5.92 879	
	N Val	.	1187	326	446	1013	21	33	1469	44	886	627	1396	117	122	154	727	510
	Mis s	492	1353	1233	666	1658	1646	210	1635	793	1052	283	1562	1557	1525	952	1169	
	Mini mum	Min.	- .171 31	- .218 01	- .234 31	- .218 22	- .236 52	- .231 56	- .150 76	- .215 24	- .248 66	- .231 84	- .200 78	- .299 60	- .259 23	- .243 28	- .175 64	
	Maxi mum	Max	6.39 908	4.76 836	4.60 966	4.36 436	4.96 702	4.62 794	6.48 249	5.08 212	4.20 598	4.59 868	5.67 208	3.76 166	3.94 307	4.41 105	6.00 193	
	N Val	.	1187	326	446	1013	22	32	1469	44	868	645	1409	104	122	154	730	507
	Mis s	492	1353	1233	666	1657	1647	210	1635	811	1034	270	1575	1557	1525	949	1172	
	Mini mum	Min.	- .171 31	- .218 01	- .234 31	- .213 20	- .240 29	- .231 56	- .150 76	- .209 99	- .253 88	- .230 34	- .218 07	- .373 97	- .229 58	- .235 73	- .171 53	
Maxi mum	Max	6.39 908	4.76 836	4.60 966	4.47 722	4.88 593	4.62 794	6.48 249	5.15 088	4.17 193	4.65 017	4.82 167	2.88 489	4.48 455	4.61 176	6.04 027		
7	N Val	.	1187	326	446	1012	21	34	1470	43	887	626	1412	101	129	155	730	499
	Mis s	492	1353	1233	667	1658	1645	209	1636	792	1053	267	1578	1550	1524	949	1180	
	Mini mum	Min.	- .171 31	- .218 01	- .234 43	- .218 22	- .232 93	- .231 48	- .152 50	- .216 28	- .247 27	- .231 78	- .195 91	- .290 71	- .228 81	- .242 09	- .190 54	
	Maxi mum	Max	6.39 908	4.76 836	4.60 728	4.36 436	5.04 682	4.62 959	6.40 494	4.96 868	4.30 546	4.61 668	5.45 758	3.87 615	4.49 990	4.47 062	5.40 229	
	N Val	.	1187	326	446	1012	21	34	1468	45	894	619	1390	123	115	159	734	505
	Mis s	492	1353	1233	667	1658	1645	211	1634	785	1060	289	1556	1564	1520	945	1174	
	Mini mum	Min.	- .171 31	- .218 01	- .234 43	- .218 22	- .232 93	- .231 65	- .149 07	- .206 19	- .260 29	- .230 65	- .216 61	- .292 61	- .240 67	- .244 51	- .183 70	
	Maxi mum	Max	6.39 908	4.76 836	4.60 728	4.36 436	5.04 682	4.62 629	6.55 913	5.29 623	4.03 620	4.62 691	5.11 195	3.91 362	4.26 131	4.41 714	5.61 419	
	N Val	.	1187	326	446	1013	21	33	1469	44	880	633	1407	106	122	168	724	499

Mis s	492	1353	1233	666	1658	1646	210	1635	799	1046	272	1573	1557	1511	955	1180
Mini mum	Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		.171	.218	.236	.218	.174	.231	.150	.220	.241	.232	.191	.283	.233	.230	.210
		31	01	15	22	08	56	76	62	43	21	11	46	81	91	84
Maxi mum	Max	6.39	4.76	4.59	4.36	5.57	4.62	6.48	4.82	4.46	4.60	5.59	4.03	4.38	4.68	4.92
	.	908	836	655	436	048	794	249	218	094	811	671	928	741	619	125

Appendix F1: Bivariate Scatterplot Matrix (Males)



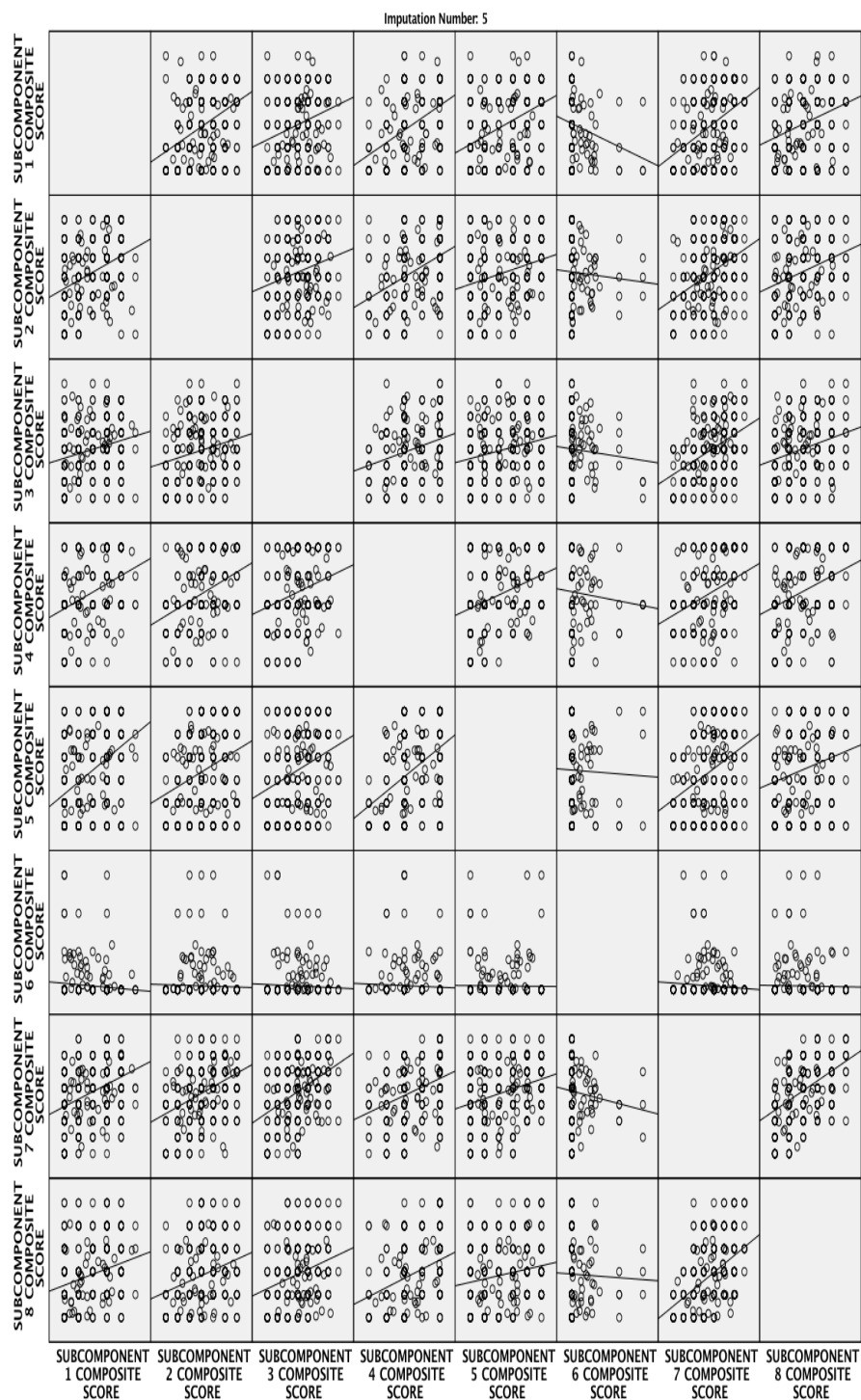
Appendix F2: Bivariate Correlations (Males)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.321**	.259**	.304**	.428**	.012	.219**	.132**
		Sig. (2-tailed)		.000	.000	.000	.000	.688	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC2	Pearson Correlation	.321**	1	.324**	.251**	.245**	-.014	.441**	.351**
		Sig. (2-tailed)	.000		.000	.000	.000	.620	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC3	Pearson Correlation	.259**	.324**	1	.285**	.223**	.033	.438**	.268**
		Sig. (2-tailed)	.000	.000		.000	.000	.249	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC4	Pearson Correlation	.304**	.251**	.285**	1	.332**	.005	.225**	.300**
		Sig. (2-tailed)	.000	.000	.000		.000	.877	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC5	Pearson Correlation	.428**	.245**	.223**	.332**	1	-.042	.149**	.056*
		Sig. (2-tailed)	.000	.000	.000	.000		.153	.000	.046
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC6_Trans	Pearson Correlation	.012	-.014	.033	.005	-.042	1	-.052	-.020
		Sig. (2-tailed)	.688	.620	.249	.877	.153		.076	.502
		N	1187	1187	1187	1187	1187	1187	1187	1187
	SC7	Pearson Correlation	.219**	.441**	.438**	.225**	.149**	-.052	1	.515**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.076		.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC8	Pearson Correlation	.132**	.351**	.268**	.300**	.056*	-.020	.515**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.046	.502	.000	
		N	1321	1321	1321	1321	1321	1187	1321	1321

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Appendix F3: Bivariate Scatterplot Matrix (Females)



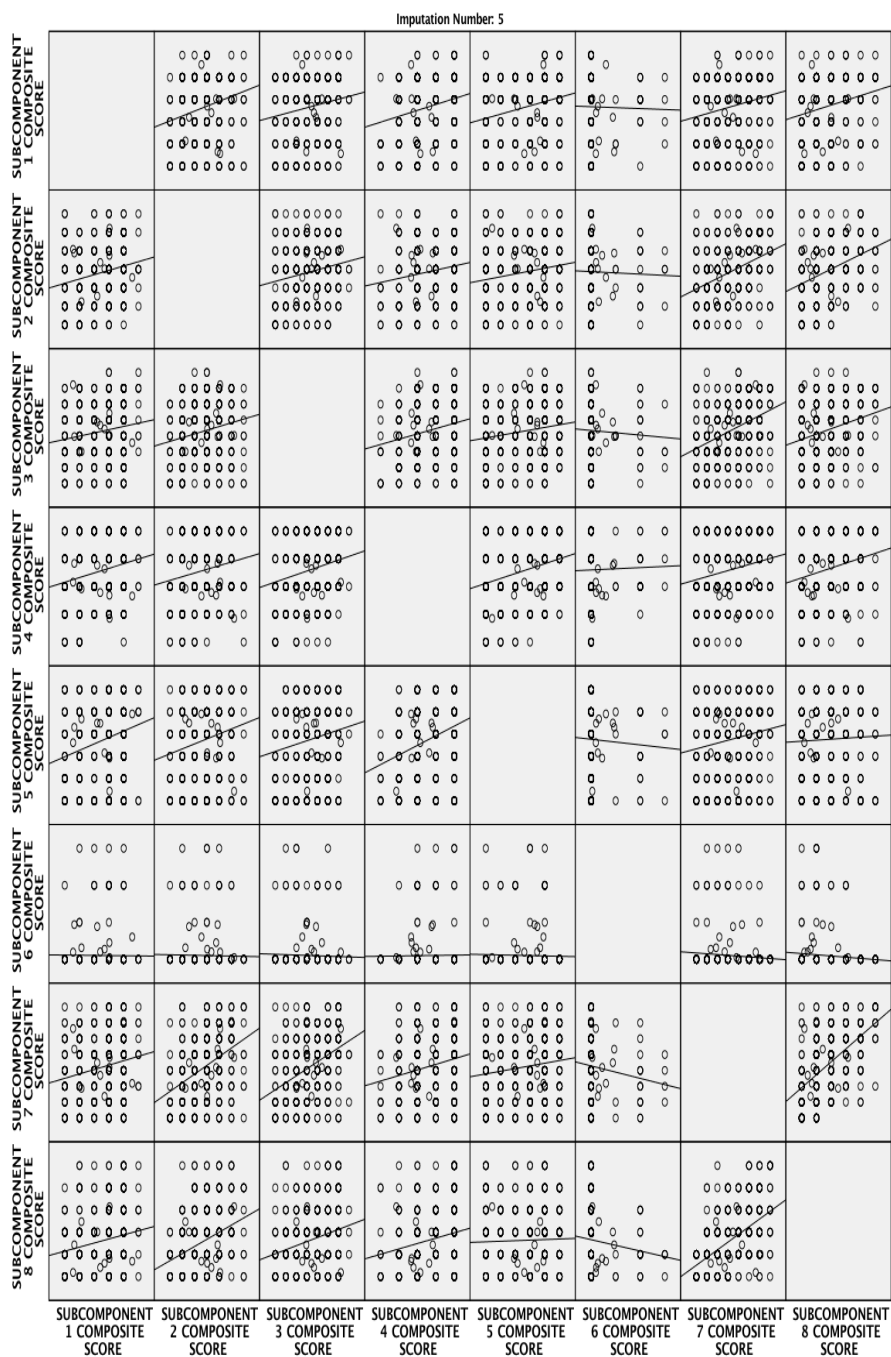
Appendix F4: Bivariate Correlations (Female)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.402**	.242**	.396**	.435**	-.118*	.388**	.254**
		Sig. (2-tailed)		.000	.000	.000	.000	.034	.000	.000
		N	358	358	358	358	358	326	358	358
	SC2	Pearson Correlation	.402**	1	.254**	.375**	.296**	-.030	.387**	.289**
		Sig. (2-tailed)	.000		.000	.000	.000	.596	.000	.000
		N	358	358	358	358	358	326	358	358
	SC3	Pearson Correlation	.242**	.254**	1	.287**	.268**	-.072	.420**	.294**
		Sig. (2-tailed)	.000	.000		.000	.000	.194	.000	.000
		N	358	358	358	358	358	326	358	358
	SC4	Pearson Correlation	.396**	.375**	.287**	1	.387**	-.071	.339**	.332**
		Sig. (2-tailed)	.000	.000	.000		.000	.200	.000	.000
		N	358	358	358	358	358	326	358	358
	SC5	Pearson Correlation	.435**	.296**	.268**	.387**	1	-.057	.313**	.186**
		Sig. (2-tailed)	.000	.000	.000	.000		.305	.000	.001
		N	358	358	358	358	358	326	358	358
	SC6_Trans	Pearson Correlation	-.118*	-.030	-.072	-.071	-.057	1	-.079	-.004
		Sig. (2-tailed)	.034	.596	.194	.200	.305		.153	.936
		N	326	326	326	326	326	326	326	326
	SC7	Pearson Correlation	.388**	.387**	.420**	.339**	.313**	-.079	1	.481**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.153		.000
		N	358	358	358	358	358	326	358	358
	SC8	Pearson Correlation	.254**	.289**	.294**	.332**	.186**	-.004	.481**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.001	.936	.000	
		N	358	358	358	358	358	326	358	358

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Appendix F5: Bivariate Scatterplot Matrix (Black)



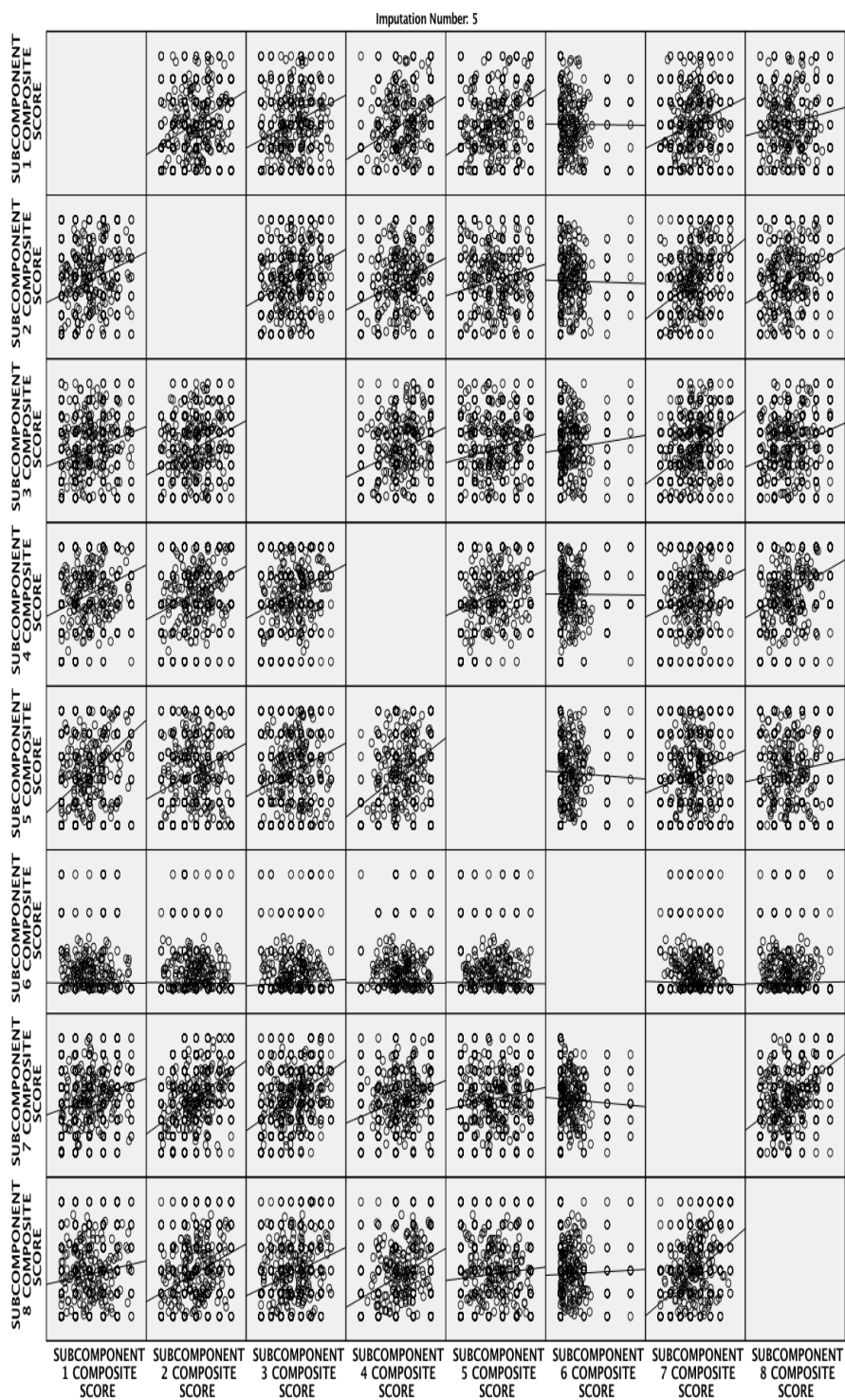
Appendix F6: Bivariate Correlations (Blacks)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.230**	.167**	.214**	.236**	-.007	.200**	.193**
		Sig. (2-tailed)		.000	.000	.000	.000	.890	.000	.000
		N	455	455	455	455	455	446	455	455
	SC2	Pearson Correlation	.230**	1	.190**	.177**	.192**	-.022	.391**	.362**
		Sig. (2-tailed)	.000		.000	.000	.000	.639	.000	.000
		N	455	455	455	455	455	446	455	455
	SC3	Pearson Correlation	.167**	.190**	1	.213**	.165**	-.034	.390**	.255**
		Sig. (2-tailed)	.000	.000		.000	.000	.475	.000	.000
		N	455	455	455	455	455	446	455	455
	SC4	Pearson Correlation	.214**	.177**	.213**	1	.276**	.011	.195**	.209**
		Sig. (2-tailed)	.000	.000	.000		.000	.824	.000	.000
		N	455	455	455	455	455	446	455	455
	SC5	Pearson Correlation	.236**	.192**	.165**	.276**	1	-.041	.148**	.037
		Sig. (2-tailed)	.000	.000	.000	.000		.390	.002	.433
		N	455	455	455	455	455	446	455	455
	SC6_Trans	Pearson Correlation	-.007	-.022	-.034	.011	-.041	1	-.096*	-.084
		Sig. (2-tailed)	.890	.639	.475	.824	.390		.043	.075
		N	446	446	446	446	446	446	446	446
	SC7	Pearson Correlation	.200**	.391**	.390**	.195**	.148**	-.096*	1	.537**
		Sig. (2-tailed)	.000	.000	.000	.000	.002	.043		.000
		N	455	455	455	455	455	446	455	455
	SC8	Pearson Correlation	.193**	.362**	.255**	.209**	.037	-.084	.537**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.433	.075	.000	
		N	455	455	455	455	455	446	455	455

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Appendix F7: Bivariate Scatterplot Matrix (White)

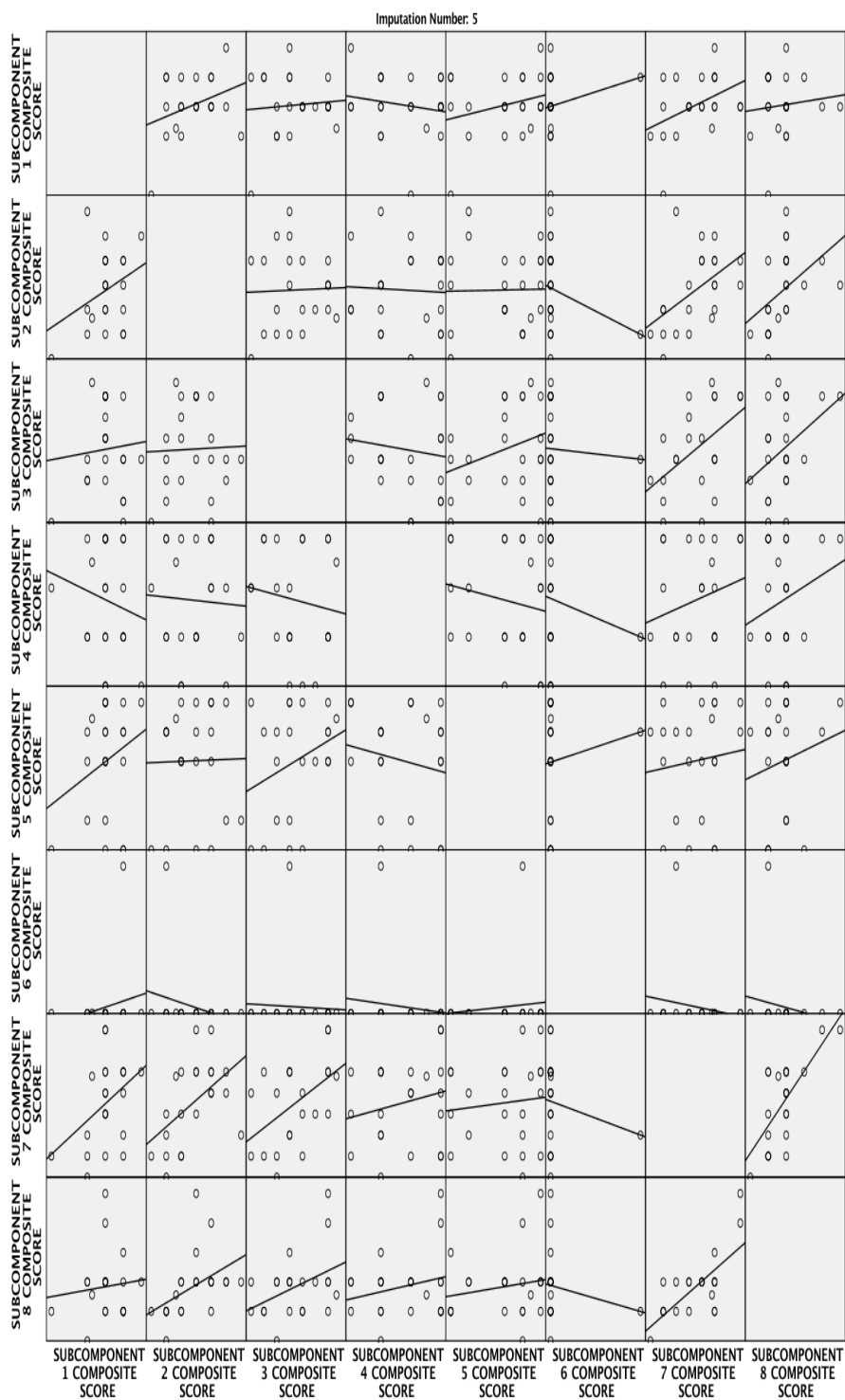


Appendix F8: Bivariate Correlations (Whites)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.349**	.276**	.348**	.480**	-.006	.261**	.164**
		Sig. (2-tailed)		.000	.000	.000	.000	.852	.000	.000
		N	1168	1168	1168	1168	1168	1013	1168	1168
	SC2	Pearson Correlation	.349**	1	.343**	.316**	.273**	-.021	.462**	.346**
		Sig. (2-tailed)	.000		.000	.000	.000	.501	.000	.000
		N	1168	1168	1168	1168	1168	1013	1168	1168
	SC3	Pearson Correlation	.276**	.343**	1	.316**	.244**	.046	.444**	.285**
		Sig. (2-tailed)	.000	.000		.000	.000	.142	.000	.000
		N	1168	1168	1168	1168	1168	1013	1168	1168
	SC4	Pearson Correlation	.348**	.316**	.316**	1	.369**	-.004	.274**	.355**
		Sig. (2-tailed)	.000	.000	.000		.000	.891	.000	.000
		N	1168	1168	1168	1168	1168	1013	1168	1168
	SC5	Pearson Correlation	.480**	.273**	.244**	.369**	1	-.041	.195**	.114**
		Sig. (2-tailed)	.000	.000	.000	.000		.192	.000	.000
		N	1168	1168	1168	1168	1168	1013	1168	1168
	SC6_Trans	Pearson Correlation	-.006	-.021	.046	-.004	-.041	1	-.040	.007
		Sig. (2-tailed)	.852	.501	.142	.891	.192		.209	.813
		N	1013	1013	1013	1013	1013	1013	1013	1013
	SC7	Pearson Correlation	.261**	.462**	.444**	.274**	.195**	-.040	1	.507**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.209		.000
		N	1168	1168	1168	1168	1168	1013	1168	1168
	SC8	Pearson Correlation	.164**	.346**	.285**	.355**	.114**	.007	.507**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.813	.000	
		N	1168	1168	1168	1168	1168	1013	1168	1168

** . Correlation is significant at the 0.01 level (2-tailed).

Appendix F9: Bivariate Scatterplot Matrix (Bi-Racial)



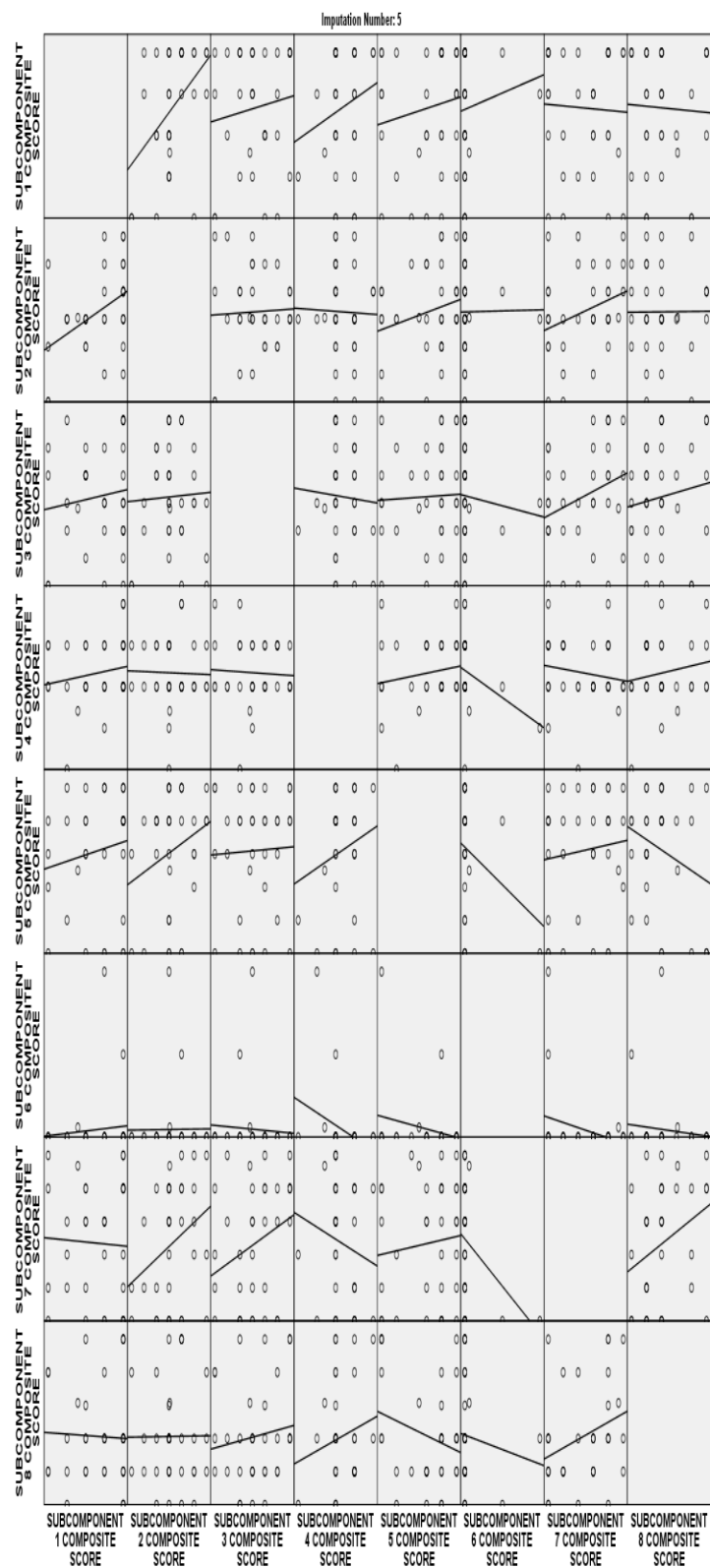
Appendix F10: Bivariate Correlations (Bi-Racial)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.266	.114	-.144	.288	.199	.428*	.081
		Sig. (2-tailed)		.251	.628	.526	.196	.397	.050	.729
		N	22	22	22	22	22	21	22	22
	SC2	Pearson Correlation	.266	1	.103	-.028	.044	-.268	.537**	.441*
		Sig. (2-tailed)	.251		.661	.904	.850	.243	.009	.044
		N	22	22	22	22	22	21	22	22
	SC3	Pearson Correlation	.114	.103	1	-.182	.256	-.038	.478*	.445*
		Sig. (2-tailed)	.628	.661		.424	.254	.870	.023	.041
		N	22	22	22	22	22	21	22	22
	SC4	Pearson Correlation	-.144	-.028	-.182	1	-.194	-.148	.192	.259
		Sig. (2-tailed)	.526	.904	.424		.389	.527	.397	.249
		N	22	22	22	22	22	21	22	22
	SC5	Pearson Correlation	.288	.044	.256	-.194	1	.128	.085	.183
		Sig. (2-tailed)	.196	.850	.254	.389		.585	.708	.418
		N	22	22	22	22	22	21	22	22
	SC6_Trans	Pearson Correlation	.199	-.268	-.038	-.148	.128	1	-.168	-.176
		Sig. (2-tailed)	.397	.243	.870	.527	.585		.471	.449
		N	21	21	21	21	21	21	21	21
	SC7	Pearson Correlation	.428*	.537**	.478*	.192	.085	-.168	1	.711**
		Sig. (2-tailed)	.050	.009	.023	.397	.708	.471		.000
		N	22	22	22	22	22	21	22	22
	SC8	Pearson Correlation	.081	.441*	.445*	.259	.183	-.176	.711**	1
		Sig. (2-tailed)	.729	.044	.041	.249	.418	.449	.000	
		N	22	22	22	22	22	21	22	22

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Appendix F11: Bivariate Scatterplot Matrix (“Other”)



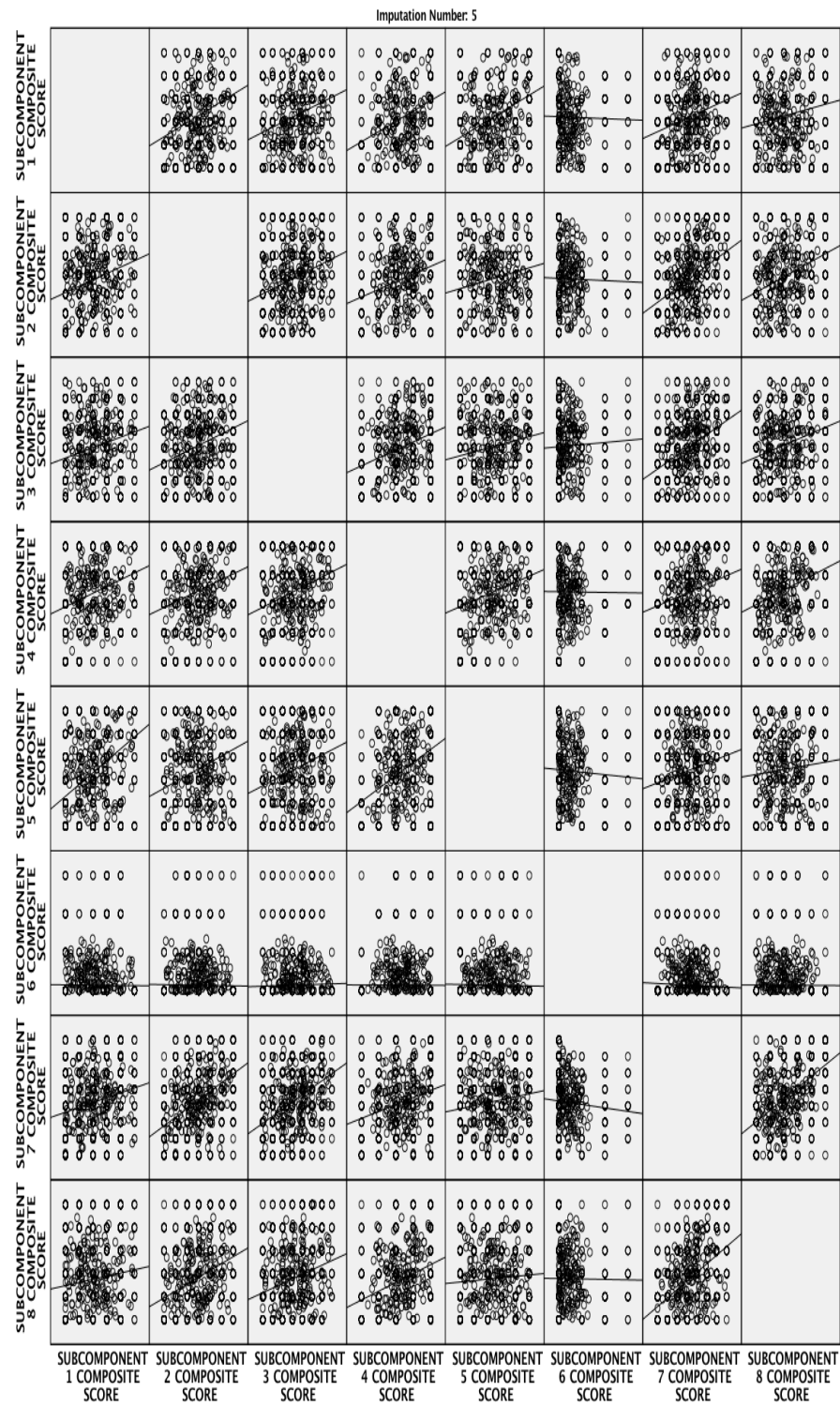
Appendix F12: Bivariate Correlations (Other)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.442**	.107	.156	.133	.091	-.001	-.052
		Sig. (2-tailed)		.009	.557	.386	.461	.622	.997	.777
		N	34	34	34	34	34	33	34	34
	SC2	Pearson Correlation	.442**	1	.090	-.012	.223	.009	.336	-.009
		Sig. (2-tailed)	.009		.636	.946	.217	.961	.056	.963
		N	34	34	34	34	34	33	34	34
	SC3	Pearson Correlation	.107	.090	1	-.061	.085	-.064	.281	.202
		Sig. (2-tailed)	.557	.636		.739	.647	.729	.115	.289
		N	34	34	34	34	34	33	34	34
	SC4	Pearson Correlation	.156	-.012	-.061	1	.192	-.320	-.122	.209
		Sig. (2-tailed)	.386	.946	.739		.285	.070	.503	.244
		N	34	34	34	34	34	33	34	34
	SC5	Pearson Correlation	.133	.223	.085	.192	1	-.247	.122	-.248
		Sig. (2-tailed)	.461	.217	.647	.285		.174	.500	.167
		N	34	34	34	34	34	33	34	34
	SC6_Trans	Pearson Correlation	.091	.009	-.064	-.320	-.247	1	-.298	-.081
		Sig. (2-tailed)	.622	.961	.729	.070	.174		.099	.666
		N	33	33	33	33	33	33	33	33
	SC7	Pearson Correlation	-.001	.336	.281	-.122	.122	-.298	1	.275
		Sig. (2-tailed)	.997	.056	.115	.503	.500	.099		.125
		N	34	34	34	34	34	33	34	34
	SC8	Pearson Correlation	-.052	-.009	.202	.209	-.248	-.081	.275	1
		Sig. (2-tailed)	.777	.963	.289	.244	.167	.666	.125	
		N	34	34	34	34	34	33	34	34

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Appendix F13: Bivariate Scatterplot Matrix (No Hispanic Origin)

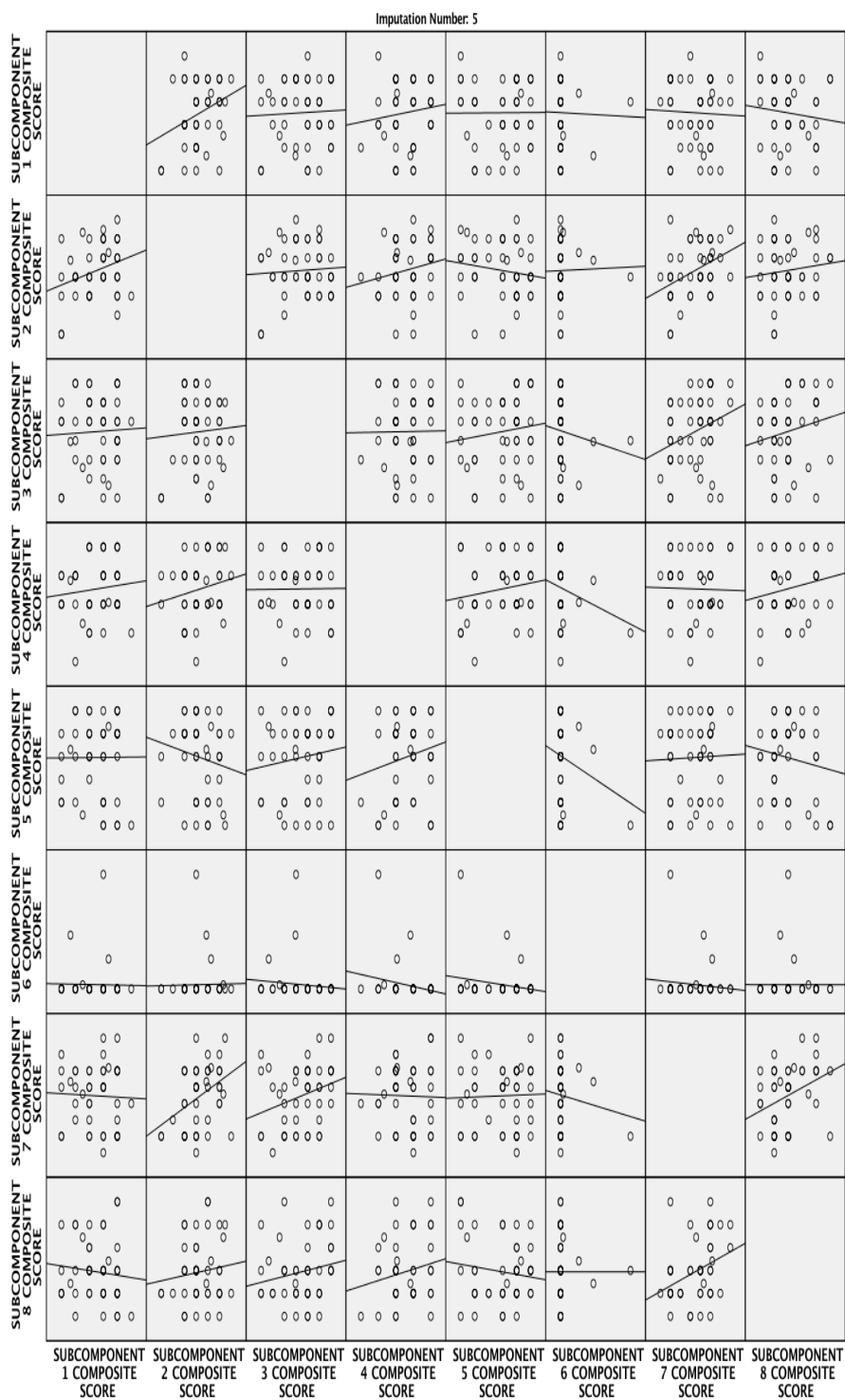


Appendix F14: Bivariate Correlations (No Hispanic Origin)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.322**	.263**	.325**	.438**	-.005	.243**	.157**
		Sig. (2-tailed)		.000	.000	.000	.000	.862	.000	.000
		N	1632	1632	1632	1632	1632	1469	1632	1632
	SC2	Pearson Correlation	.322**	1	.305**	.276**	.259**	-.024	.444**	.348**
		Sig. (2-tailed)	.000		.000	.000	.000	.368	.000	.000
		N	1632	1632	1632	1632	1632	1469	1632	1632
	SC3	Pearson Correlation	.263**	.305**	1	.292**	.232**	.023	.428**	.272**
		Sig. (2-tailed)	.000	.000		.000	.000	.378	.000	.000
		N	1632	1632	1632	1632	1632	1469	1632	1632
	SC4	Pearson Correlation	.325**	.276**	.292**	1	.347**	-.002	.251**	.308**
		Sig. (2-tailed)	.000	.000	.000		.000	.924	.000	.000
		N	1632	1632	1632	1632	1632	1469	1632	1632
	SC5	Pearson Correlation	.438**	.259**	.232**	.347**	1	-.038	.182**	.086**
		Sig. (2-tailed)	.000	.000	.000	.000		.145	.000	.001
		N	1632	1632	1632	1632	1632	1469	1632	1632
	SC6_Trans	Pearson Correlation	-.005	-.024	.023	-.002	-.038	1	-.059*	-.020
		Sig. (2-tailed)	.862	.368	.378	.924	.145		.023	.445
		N	1469	1469	1469	1469	1469	1469	1469	1469
	SC7	Pearson Correlation	.243**	.444**	.428**	.251**	.182**	-.059*	1	.515**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.023		.000
		N	1632	1632	1632	1632	1632	1469	1632	1632
	SC8	Pearson Correlation	.157**	.348**	.272**	.308**	.086**	-.020	.515**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.001	.445	.000	
		N	1632	1632	1632	1632	1632	1469	1632	1632

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

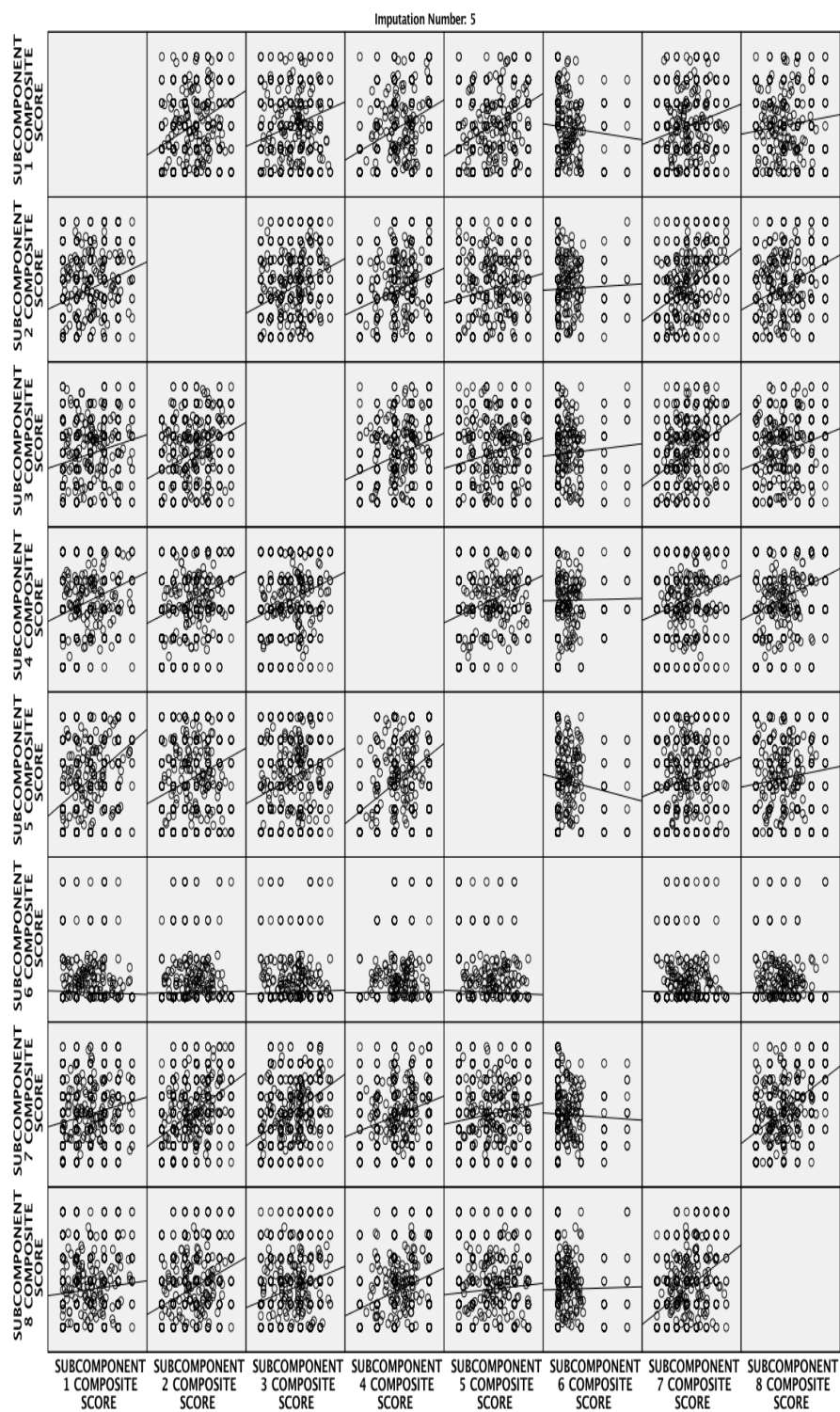


Appendix F16: Bivariate Correlations (Hispanic Origin)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.274	-.038	.110	-.051	.049	-.072	-.123
		Sig. (2-tailed)		.068	.807	.475	.736	.754	.639	.425
		N	47	47	47	47	47	44	47	47
	SC2	Pearson Correlation	.274	1	.019	.183	-.165	-.031	.320*	.028
		Sig. (2-tailed)	.068		.904	.234	.286	.841	.035	.861
		N	47	47	47	47	47	44	47	47
	SC3	Pearson Correlation	-.038	.019	1	-.037	.095	-.064	.303*	.211
		Sig. (2-tailed)	.807	.904		.811	.539	.681	.042	.166
		N	47	47	47	47	47	44	47	47
	SC4	Pearson Correlation	.110	.183	-.037	1	.152	-.245	-.018	.232
		Sig. (2-tailed)	.475	.234	.811		.321	.110	.906	.132
		N	47	47	47	47	47	44	47	47
	SC5	Pearson Correlation	-.051	-.165	.095	.152	1	-.272	-.019	-.126
		Sig. (2-tailed)	.736	.286	.539	.321		.077	.902	.413
		N	47	47	47	47	47	44	47	47
	SC6_Trans	Pearson Correlation	.049	-.031	-.064	-.245	-.272	1	-.209	-.002
		Sig. (2-tailed)	.754	.841	.681	.110	.077		.179	.989
		N	44	44	44	44	44	44	44	44
	SC7	Pearson Correlation	-.072	.320*	.303*	-.018	-.019	-.209	1	.346*
		Sig. (2-tailed)	.639	.035	.042	.906	.902	.179		.018
		N	47	47	47	47	47	44	47	47
	SC8	Pearson Correlation	-.123	.028	.211	.232	-.126	-.002	.346*	1
		Sig. (2-tailed)	.425	.861	.166	.132	.413	.989	.018	
		N	47	47	47	47	47	44	47	47

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).



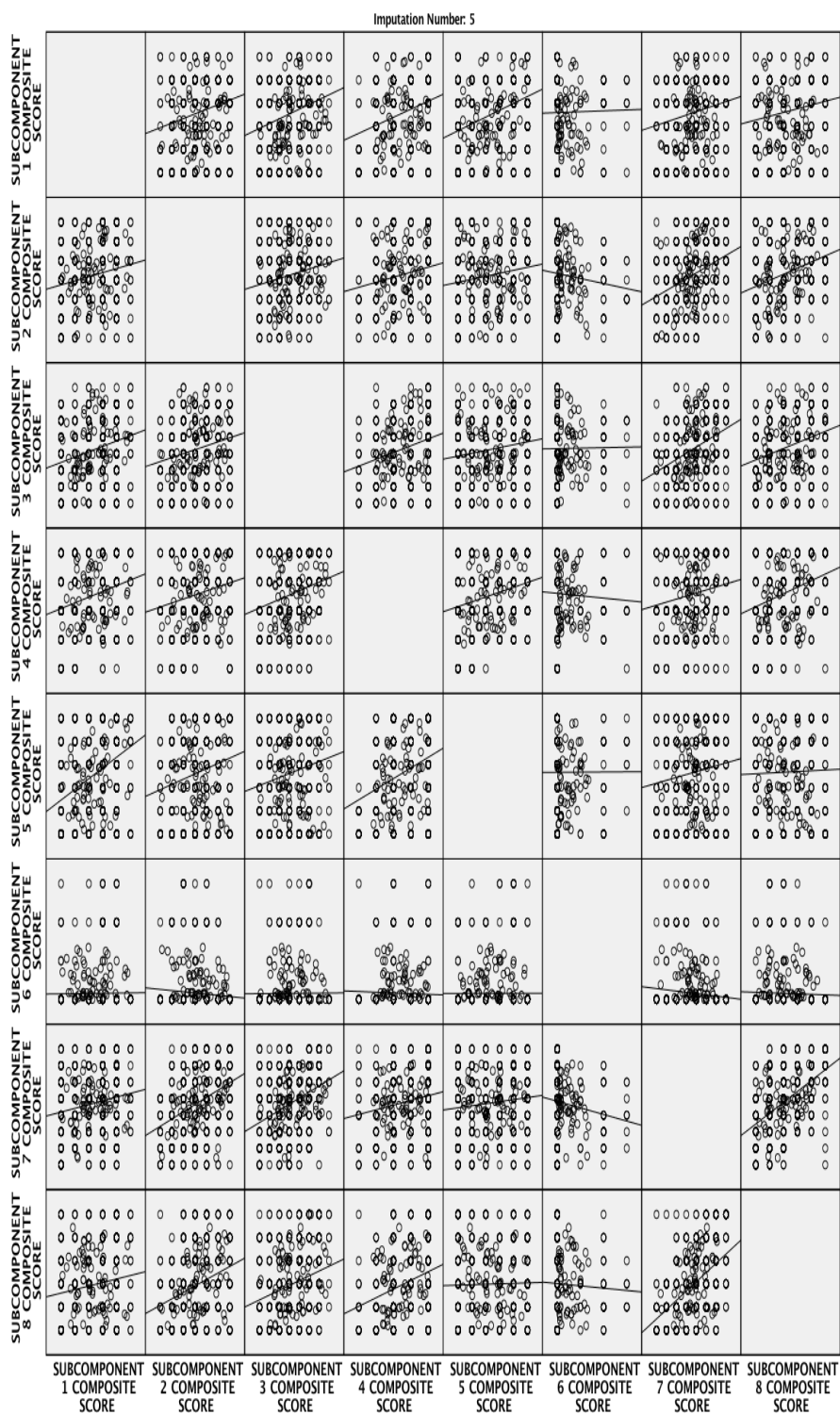
Appendix F18: Bivariate Correlations (No Child Service History)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.341**	.246**	.336**	.455**	-.039	.223**	.118**
		Sig. (2-tailed)		.000	.000	.000	.000	.256	.000	.000
		N	991	991	991	991	991	882	991	991
	SC2	Pearson Correlation	.341**	1	.346**	.290**	.265**	.004	.448**	.355**
		Sig. (2-tailed)	.000		.000	.000	.000	.902	.000	.000
		N	991	991	991	991	991	882	991	991
	SC3	Pearson Correlation	.246**	.346**	1	.301**	.242**	.018	.441**	.263**
		Sig. (2-tailed)	.000	.000		.000	.000	.607	.000	.000
		N	991	991	991	991	991	882	991	991
	SC4	Pearson Correlation	.336**	.290**	.301**	1	.368**	-.010	.265**	.299**
		Sig. (2-tailed)	.000	.000	.000		.000	.776	.000	.000
		N	991	991	991	991	991	882	991	991
	SC5	Pearson Correlation	.455**	.265**	.242**	.368**	1	-.085*	.182**	.099**
		Sig. (2-tailed)	.000	.000	.000	.000		.015	.000	.004
		N	991	991	991	991	991	882	991	991
	SC6_Trans	Pearson Correlation	-.039	.004	.018	-.010	-.085*	1	-.039	-.011
		Sig. (2-tailed)	.256	.902	.607	.776	.015		.258	.757
		N	882	882	882	882	882	882	882	882
	SC7	Pearson Correlation	.223**	.448**	.441**	.265**	.182**	-.039	1	.496**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.258		.000
		N	991	991	991	991	991	882	991	991
	SC8	Pearson Correlation	.118**	.355**	.263**	.299**	.099**	-.011	.496**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.004	.757	.000	
		N	991	991	991	991	991	882	991	991

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Appendix F19: Bivariate Scatterplot Matrix (Child Service History)



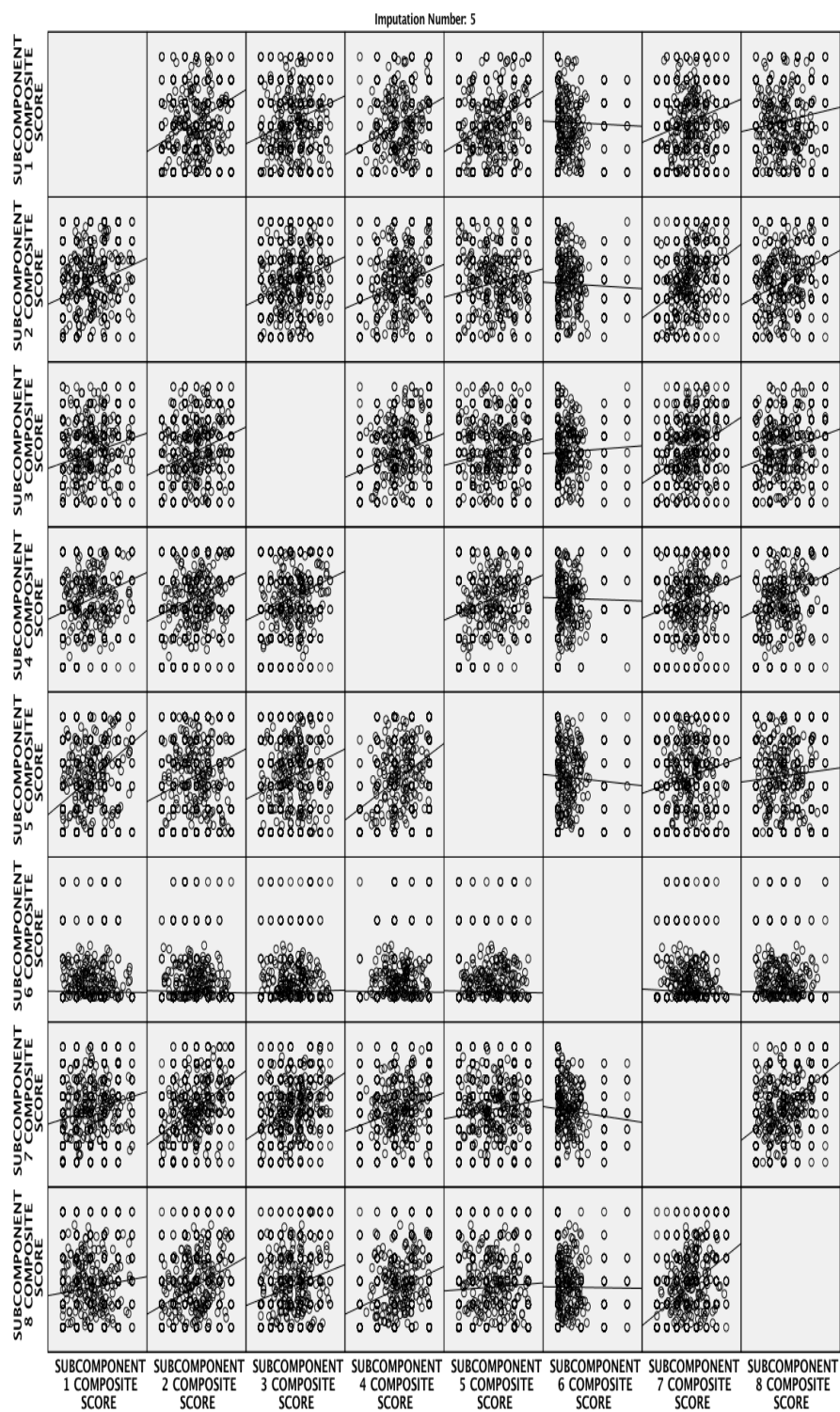
Appendix F20: Bivariate Correlations (Child Service History)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.196**	.245**	.252**	.363**	.016	.164**	.140**
		Sig. (2-tailed)		.000	.000	.000	.000	.698	.000	.001
		N	688	688	688	688	688	631	688	688
	SC2	Pearson Correlation	.196**	1	.203**	.196**	.192**	-.089*	.352**	.274**
		Sig. (2-tailed)	.000		.000	.000	.000	.027	.000	.000
		N	688	688	688	688	688	631	688	688
	SC3	Pearson Correlation	.245**	.203**	1	.241**	.197**	.014	.382**	.261**
		Sig. (2-tailed)	.000	.000		.000	.000	.741	.000	.000
		N	688	688	688	688	688	631	688	688
	SC4	Pearson Correlation	.252**	.196**	.241**	1	.286**	-.017	.163**	.287**
		Sig. (2-tailed)	.000	.000	.000		.000	.676	.000	.000
		N	688	688	688	688	688	631	688	688
	SC5	Pearson Correlation	.363**	.192**	.197**	.286**	1	-.007	.128**	.028
		Sig. (2-tailed)	.000	.000	.000	.000		.857	.002	.500
		N	688	688	688	688	688	631	688	688
	SC6_Trans	Pearson Correlation	.016	-.089*	.014	-.017	-.007	1	-.117**	-.044
		Sig. (2-tailed)	.698	.027	.741	.676	.857		.005	.291
		N	631	631	631	631	631	631	631	631
	SC7	Pearson Correlation	.164**	.352**	.382**	.163**	.128**	-.117**	1	.501**
		Sig. (2-tailed)	.000	.000	.000	.000	.002	.005		.000
		N	688	688	688	688	688	631	688	688
	SC8	Pearson Correlation	.140**	.274**	.261**	.287**	.028	-.044	.501**	1
		Sig. (2-tailed)	.001	.000	.000	.000	.500	.291	.000	
		N	688	688	688	688	688	631	688	688

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Appendix F21: Bivariate Scatterplot Matrix (No Gang Affiliation)



Appendix F22: Bivariate Correlations (No Gang Affiliation)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.329**	.253**	.313**	.436**	-.006	.231**	.140**
		Sig. (2-tailed)		.000	.000	.000	.000	.813	.000	.000
		N	1556	1556	1556	1556	1556	1402	1556	1556
	SC2	Pearson Correlation	.329**	1	.298**	.282**	.252**	-.031	.444**	.339**
		Sig. (2-tailed)	.000		.000	.000	.000	.249	.000	.000
		N	1556	1556	1556	1556	1556	1402	1556	1556
	SC3	Pearson Correlation	.253**	.298**	1	.282**	.227**	.018	.406**	.248**
		Sig. (2-tailed)	.000	.000		.000	.000	.506	.000	.000
		N	1556	1556	1556	1556	1556	1402	1556	1556
	SC4	Pearson Correlation	.313**	.282**	.282**	1	.355**	-.012	.243**	.296**
		Sig. (2-tailed)	.000	.000	.000		.000	.652	.000	.000
		N	1556	1556	1556	1556	1556	1402	1556	1556
	SC5	Pearson Correlation	.436**	.252**	.227**	.355**	1	-.042	.163**	.069**
		Sig. (2-tailed)	.000	.000	.000	.000		.120	.000	.007
		N	1556	1556	1556	1556	1556	1402	1556	1556
	SC6_Trans	Pearson Correlation	-.006	-.031	.018	-.012	-.042	1	-.068*	-.024
		Sig. (2-tailed)	.813	.249	.506	.652	.120		.011	.381
		N	1402	1402	1402	1402	1402	1402	1402	1402
	SC7	Pearson Correlation	.231**	.444**	.406**	.243**	.163**	-.068*	1	.497**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.011		.000
		N	1556	1556	1556	1556	1556	1402	1556	1556
	SC8	Pearson Correlation	.140**	.339**	.248**	.296**	.069**	-.024	.497**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.007	.381	.000	
		N	1556	1556	1556	1556	1556	1402	1556	1556

** . Correlation is significant at the 0.01 level (2-tailed).

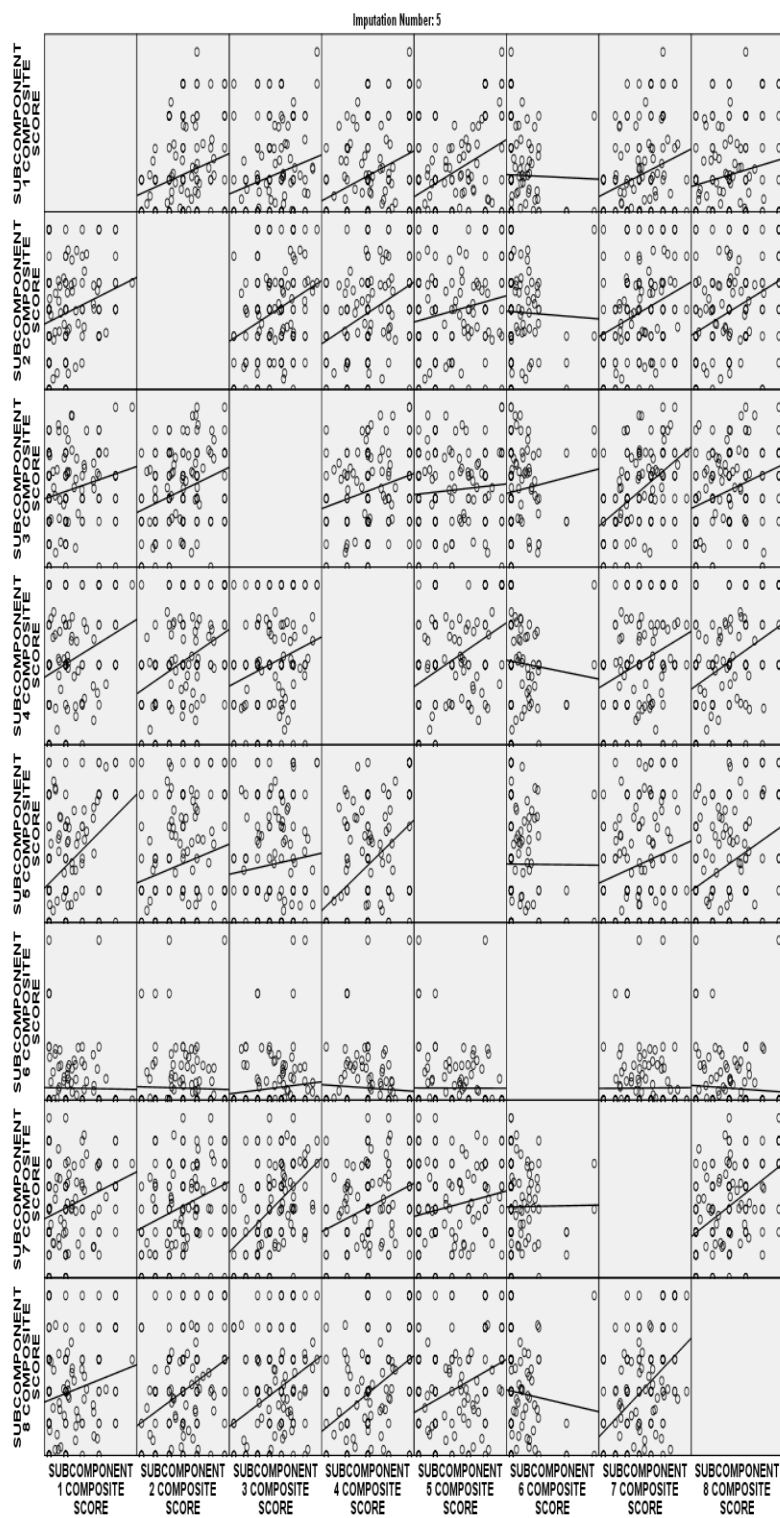
* . Correlation is significant at the 0.05 level (2-tailed).

Appendix F24: Bivariate Correlations (Gang Affiliation)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.131	.181	.306	.244	.070	.156	.153
		Sig. (2-tailed)		.226	.073	.091	.074	.509	.195	.155
		N	123	123	123	123	123	111	123	123
	SC2	Pearson Correlation	.131	1	.265**	.113	.222*	.087	.353**	.305**
		Sig. (2-tailed)	.226		.005	.251	.019	.389	.000	.001
		N	123	123	123	123	123	111	123	123
	SC3	Pearson Correlation	.181	.265**	1	.217*	.218*	.089	.558**	.428**
		Sig. (2-tailed)	.073	.005		.026	.021	.402	.000	.000
		N	123	123	123	123	123	111	123	123
	SC4	Pearson Correlation	.306	.113	.217*	1	.109	.093	.148	.351**
		Sig. (2-tailed)	.091	.251	.026		.482	.387	.250	.000
		N	123	123	123	123	123	111	123	123
	SC5	Pearson Correlation	.244	.222*	.218*	.109	1	-.055	.283**	.150
		Sig. (2-tailed)	.074	.019	.021	.482		.579	.004	.121
		N	123	123	123	123	123	111	123	123
	SC6_Trans	Pearson Correlation	.070	.087	.089	.093	-.055	1	.039	.046
		Sig. (2-tailed)	.509	.389	.402	.387	.579		.702	.650
		N	111	111	111	111	111	111	111	111
	SC7	Pearson Correlation	.156	.353**	.558**	.148	.283**	.039	1	.587**
		Sig. (2-tailed)	.195	.000	.000	.250	.004	.702		.000
		N	123	123	123	123	123	111	123	123
	SC8	Pearson Correlation	.153	.305**	.428**	.351**	.150	.046	.587**	1
		Sig. (2-tailed)	.155	.001	.000	.000	.121	.650	.000	
		N	123	123	123	123	123	111	123	123

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).



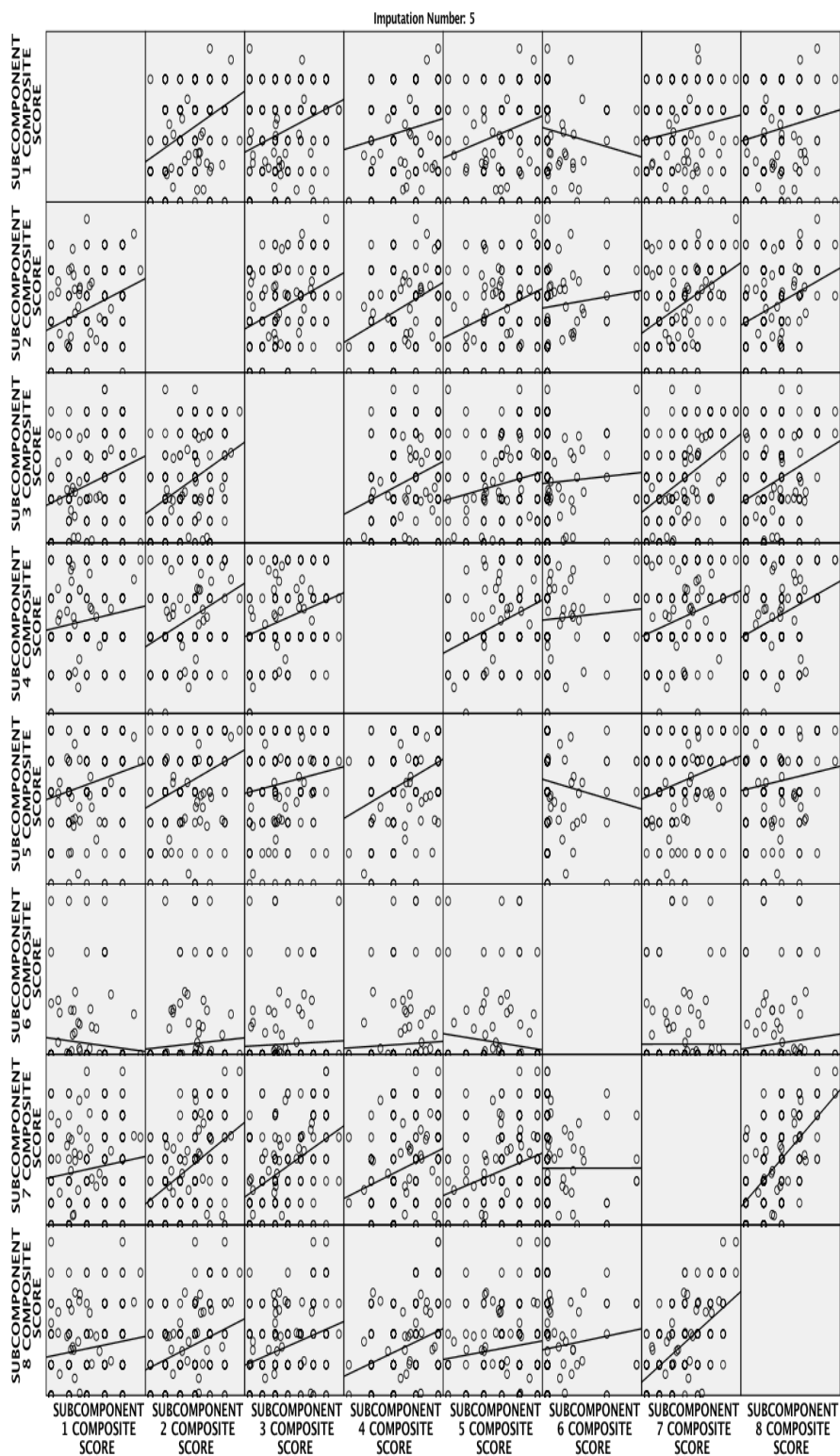
Appendix F26: Bivariate Correlations (Minor Offence)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.223*	.190*	.378**	.362**	-.014	.224*	.198
		Sig. (2-tailed)		.011	.029	.000	.000	.898	.020	.052
		N	158	158	158	158	158	121	158	158
	SC2	Pearson Correlation	.223*	1	.249*	.347**	.182*	-.065	.277**	.344**
		Sig. (2-tailed)	.011		.019	.000	.032	.502	.001	.000
		N	158	158	158	158	158	121	158	158
	SC3	Pearson Correlation	.190*	.249*	1	.244*	.110	.044	.482**	.330**
		Sig. (2-tailed)	.029	.019		.011	.193	.670	.000	.001
		N	158	158	158	158	158	121	158	158
	SC4	Pearson Correlation	.378**	.347**	.244*	1	.476**	-.077	.319**	.386**
		Sig. (2-tailed)	.000	.000	.011		.000	.489	.001	.000
		N	158	158	158	158	158	121	158	158
	SC5	Pearson Correlation	.362**	.182*	.110	.476**	1	-.140	.171	.336**
		Sig. (2-tailed)	.000	.032	.193	.000		.141	.058	.000
		N	158	158	158	158	158	121	158	158
	SC6_Trans	Pearson Correlation	-.014	-.065	.044	-.077	-.140	1	-.053	-.072
		Sig. (2-tailed)	.898	.502	.670	.489	.141		.572	.436
		N	121	121	121	121	121	121	121	121
	SC7	Pearson Correlation	.224*	.277**	.482**	.319**	.171	-.053	1	.537**
		Sig. (2-tailed)	.020	.001	.000	.001	.058	.572		.000
		N	158	158	158	158	158	121	158	158
	SC8	Pearson Correlation	.198	.344**	.330**	.386**	.336**	-.072	.537**	1
		Sig. (2-tailed)	.052	.000	.001	.000	.000	.436	.000	
		N	158	158	158	158	158	121	158	158

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Appendix F27: Bivariate Scatterplot Matrix (Drug Offence)

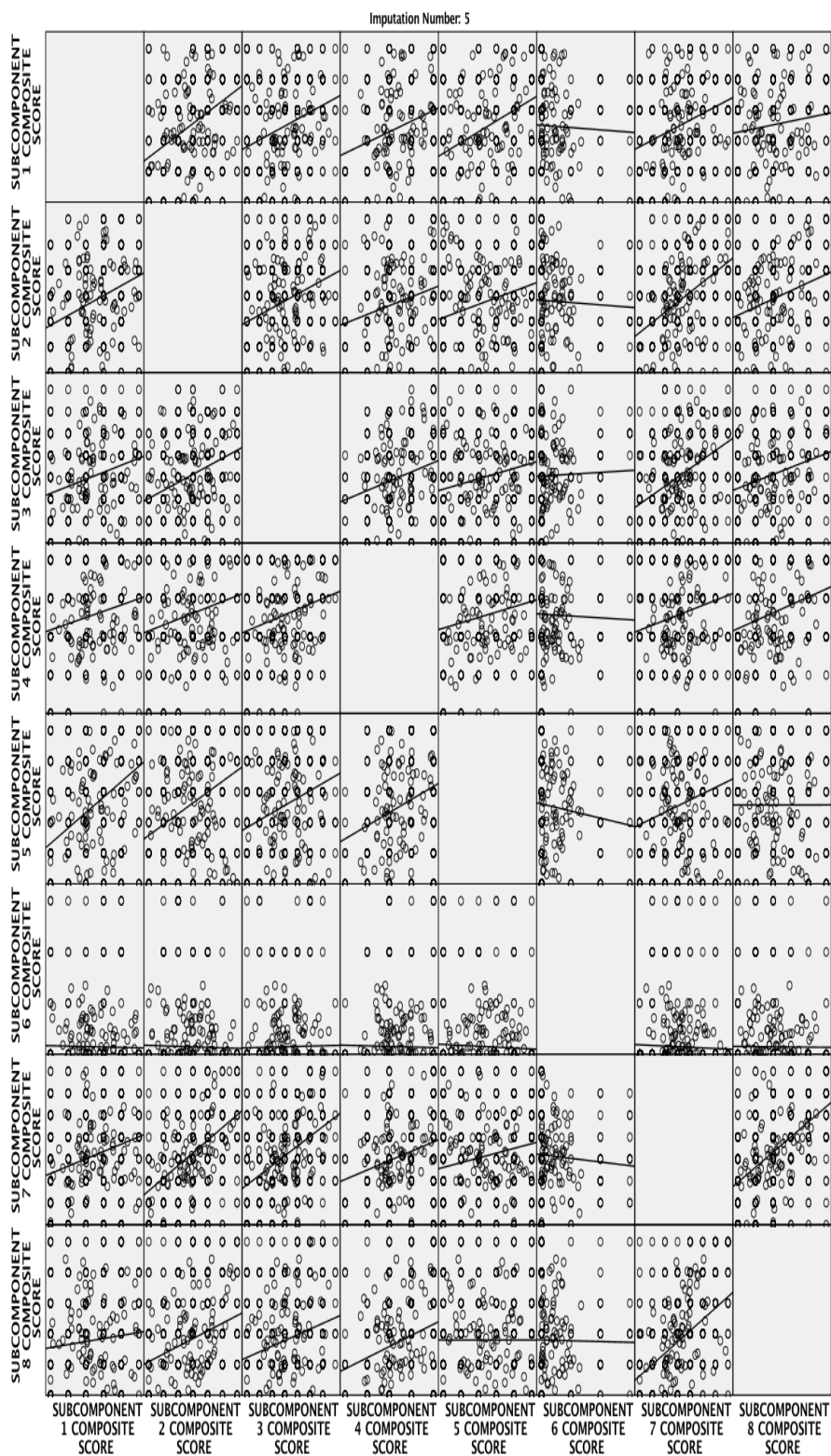


Appendix F28: Bivariate Correlations (Drug Offence)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.368**	.280**	.186*	.212**	-.112	.155*	.152
		Sig. (2-tailed)		.000	.000	.022	.010	.170	.048	.057
		N	179	179	179	179	179	157	179	179
	SC2	Pearson Correlation	.368**	1	.402**	.359**	.291**	.051	.467**	.337**
		Sig. (2-tailed)	.000		.000	.000	.001	.547	.000	.000
		N	179	179	179	179	179	157	179	179
	SC3	Pearson Correlation	.280**	.402**	1	.306**	.145	.041	.434**	.294**
		Sig. (2-tailed)	.000	.000		.000	.074	.624	.000	.000
		N	179	179	179	179	179	157	179	179
	SC4	Pearson Correlation	.186*	.359**	.306**	1	.333**	.016	.294**	.331**
		Sig. (2-tailed)	.022	.000	.000		.000	.847	.000	.000
		N	179	179	179	179	179	157	179	179
	SC5	Pearson Correlation	.212**	.291**	.145	.333**	1	-.053	.224*	.148
		Sig. (2-tailed)	.010	.001	.074	.000		.526	.013	.085
		N	179	179	179	179	179	157	179	179
	SC6_Trans	Pearson Correlation	-.112	.051	.041	.016	-.053	1	-.046	.082
		Sig. (2-tailed)	.170	.547	.624	.847	.526		.576	.314
		N	157	157	157	157	157	157	157	157
	SC7	Pearson Correlation	.155*	.467**	.434**	.294**	.224*	-.046	1	.594**
		Sig. (2-tailed)	.048	.000	.000	.000	.013	.576		.000
		N	179	179	179	179	179	157	179	179
	SC8	Pearson Correlation	.152	.337**	.294**	.331**	.148	.082	.594**	1
		Sig. (2-tailed)	.057	.000	.000	.000	.085	.314	.000	
		N	179	179	179	179	179	157	179	179

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).



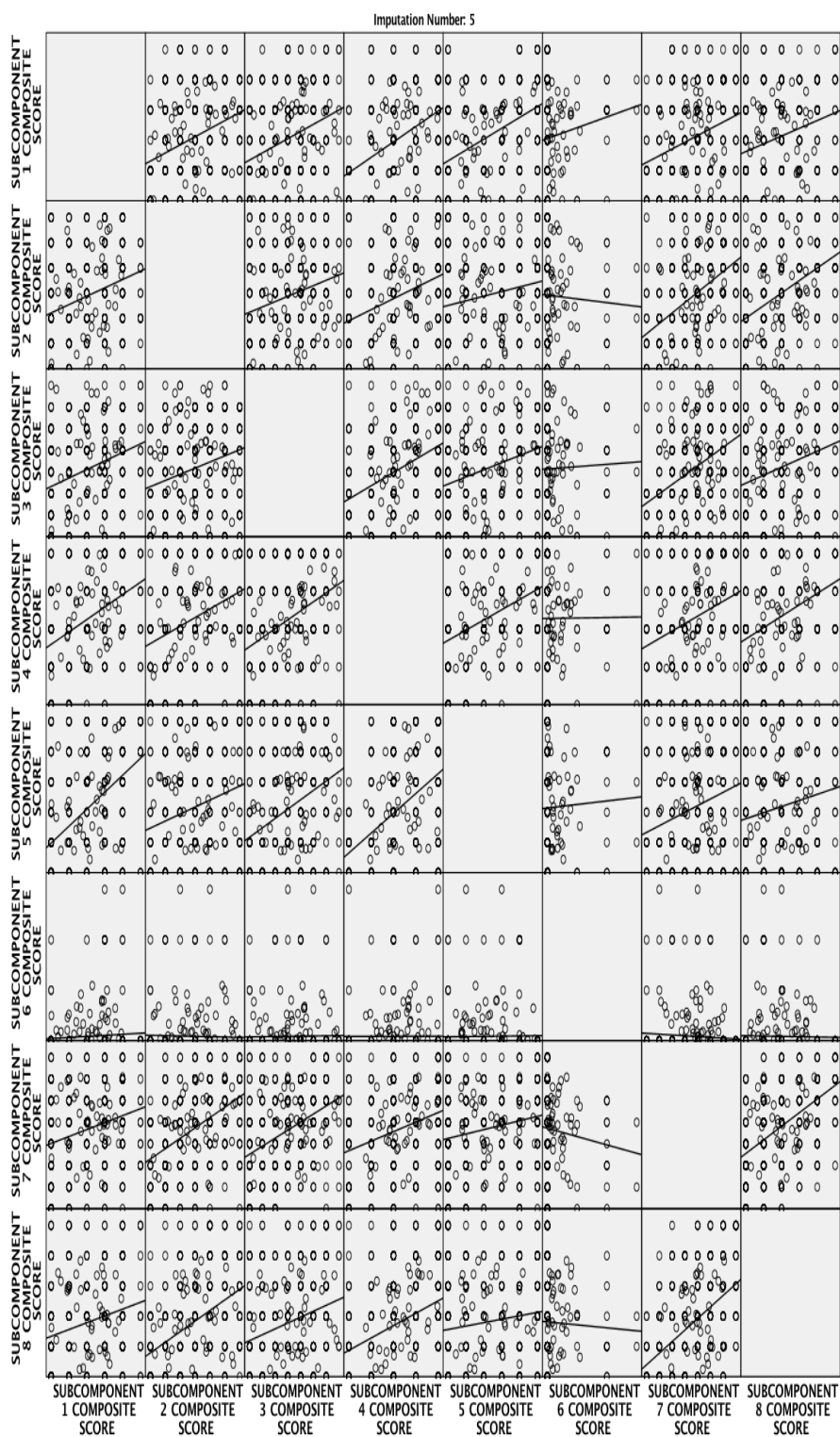
Appendix F30: Bivariate Correlations (Property Crimes)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.389**	.275**	.229**	.426**	-.027	.267**	.111**
		Sig. (2-tailed)		.000	.000	.000	.000	.476	.000	.003
		N	800	800	800	800	800	731	800	800
	SC2	Pearson Correlation	.389**	1	.318**	.232**	.336**	-.022	.455**	.270**
		Sig. (2-tailed)	.000		.000	.000	.000	.554	.000	.000
		N	800	800	800	800	800	731	800	800
	SC3	Pearson Correlation	.275**	.318**	1	.247**	.253**	.017	.429**	.244**
		Sig. (2-tailed)	.000	.000		.000	.000	.666	.000	.000
		N	800	800	800	800	800	731	800	800
	SC4	Pearson Correlation	.229**	.232**	.247**	1	.239**	-.014	.228**	.267**
		Sig. (2-tailed)	.000	.000	.000		.000	.711	.000	.000
		N	800	800	800	800	800	731	800	800
	SC5	Pearson Correlation	.426**	.336**	.253**	.239**	1	-.071	.228**	.009
		Sig. (2-tailed)	.000	.000	.000	.000		.059	.000	.798
		N	800	800	800	800	800	731	800	800
	SC6_Trans	Pearson Correlation	-.027	-.022	.017	-.014	-.071	1	-.045	-.020
		Sig. (2-tailed)	.476	.554	.666	.711	.059		.240	.599
		N	731	731	731	731	731	731	731	731
	SC7	Pearson Correlation	.267**	.455**	.429**	.228**	.228**	-.045	1	.507**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.240		.000
		N	800	800	800	800	800	731	800	800
	SC8	Pearson Correlation	.111**	.270**	.244**	.267**	.009	-.020	.507**	1
		Sig. (2-tailed)	.003	.000	.000	.000	.798	.599	.000	
		N	800	800	800	800	800	731	800	800

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Appendix F31: Bivariate Scatterplot Matrix (Violent Crime)



Appendix F32: Bivariate Correlations (Violent Crime)

Imputation Number			SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
Pooled	SC1	Pearson Correlation	1	.321**	.259**	.304**	.428**	.012	.219**	.132**
		Sig. (2-tailed)		.000	.000	.000	.000	.688	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC2	Pearson Correlation	.321**	1	.324**	.251**	.245**	-.014	.441**	.351**
		Sig. (2-tailed)	.000		.000	.000	.000	.620	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC3	Pearson Correlation	.259**	.324**	1	.285**	.223**	.033	.438**	.268**
		Sig. (2-tailed)	.000	.000		.000	.000	.249	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC4	Pearson Correlation	.304**	.251**	.285**	1	.332**	.005	.225**	.300**
		Sig. (2-tailed)	.000	.000	.000		.000	.877	.000	.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC5	Pearson Correlation	.428**	.245**	.223**	.332**	1	-.042	.149**	.056*
		Sig. (2-tailed)	.000	.000	.000	.000		.153	.000	.046
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC6_Trans	Pearson Correlation	.012	-.014	.033	.005	-.042	1	-.052	-.020
		Sig. (2-tailed)	.688	.620	.249	.877	.153		.076	.502
		N	1187	1187	1187	1187	1187	1187	1187	1187
	SC7	Pearson Correlation	.219**	.441**	.438**	.225**	.149**	-.052	1	.515**
		Sig. (2-tailed)	.000	.000	.000	.000	.000	.076		.000
		N	1321	1321	1321	1321	1321	1187	1321	1321
	SC8	Pearson Correlation	.132**	.351**	.268**	.300**	.056*	-.020	.515**	1
		Sig. (2-tailed)	.000	.000	.000	.000	.046	.502	.000	
		N	1321	1321	1321	1321	1321	1187	1321	1321

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Appendix G1: Homogeneity of Variance (Gender)

Imputation Number	Levene Statistic	df1	df2	Sig.
1	3.308	1	1677	.069
2	2.284	1	1677	.131
3	2.780	1	1677	.096
4	3.223	1	1677	.073
5	2.783	1	1677	.095
6	2.431	1	1677	.119
7	2.217	1	1677	.137
8	2.381	1	1677	.123
9	2.875	1	1677	.090
10	1.726	1	1677	.189

Appendix G2: Cross-Tabulation for Gender and Y-LSI Total

Imputation Number	GENDER	Mean	N	Std. Deviation	Variance
1	Male	19.33	1321	7.837	61.416
	Female	20.86	358	7.277	52.955
	Total	19.66	1679	7.744	59.972
2	Male	19.26	1321	7.808	60.959
	Female	20.79	358	7.284	53.055
	Total	19.59	1679	7.722	59.633
3	Male	19.36	1321	7.810	60.992
	Female	20.84	358	7.241	52.433
	Total	19.67	1679	7.714	59.505
4	Male	19.38	1321	7.806	60.938
	Female	20.87	358	7.237	52.368
	Total	19.70	1679	7.711	59.454
5	Male	19.36	1321	7.778	60.498
	Female	20.85	358	7.219	52.114
	Total	19.68	1679	7.684	59.050
6	Male	19.31	1321	7.786	60.615
	Female	20.93	358	7.264	52.761
	Total	19.66	1679	7.704	59.345
7	Male	19.27	1321	7.766	60.307
	Female	20.91	358	7.242	52.444
	Total	19.62	1679	7.685	59.052
8	Male	19.36	1321	7.820	61.155
	Female	20.71	358	7.281	53.007
	Total	19.65	1679	7.726	59.691
9	Male	19.35	1321	7.830	61.313
	Female	20.84	358	7.255	52.630
	Total	19.67	1679	7.733	59.802
10	Male	19.26	1321	7.832	61.332
	Female	20.80	358	7.370	54.316
	Total	19.59	1679	7.759	60.201

Appendix G3: Homogeneity of Variance (Race New)

Imputation Number	Levene Statistic	df1	df2	Sig.
1	11.418	3	1675	.000
2	10.943	3	1675	.000
3	9.843	3	1675	.000
4	11.067	3	1675	.000
5	10.925	3	1675	.000
6	11.121	3	1675	.000
7	9.341	3	1675	.000
8	10.247	3	1675	.000
9	11.661	3	1675	.000
10	11.520	3	1675	.000

Appendix G4 – Cross-Tabulation for RaceNew and Y-LSI Total

Imputation Number	RACENEW	Mean	N	Std. Deviation	Variance
1	Black	20.83	455	6.844	46.841
	White	19.09	1169	8.076	65.214
	Bi-Racial	22.07	22	6.478	41.959
	Other	21.93	33	5.616	31.541
	Total	19.66	1679	7.744	59.972
2	Black	20.78	456	6.806	46.325
	White	19.00	1167	8.053	64.852
	Bi-Racial	22.44	22	6.614	43.744
	Other	21.87	34	5.629	31.686
	Total	19.59	1679	7.722	59.633
3	Black	20.85	455	6.830	46.650
	White	19.11	1171	8.032	64.515
	Bi-Racial	22.25	22	6.488	42.098
	Other	21.77	31	5.829	33.981
	Total	19.67	1679	7.714	59.505
4	Black	20.76	455	6.841	46.801
	White	19.17	1167	8.044	64.712
	Bi-Racial	22.16	23	6.320	39.942
	Other	21.85	34	5.620	31.584
	Total	19.70	1679	7.711	59.454
5	Black	20.76	455	6.796	46.180
	White	19.14	1168	8.015	64.240
	Bi-Racial	22.39	22	6.568	43.145
	Other	22.02	34	5.556	30.867
	Total	19.68	1679	7.684	59.050
6	Black	20.84	455	6.809	46.367
	White	19.09	1168	8.034	64.537
	Bi-Racial	22.14	22	6.468	41.837
	Other	21.79	34	5.607	31.441
	Total	19.66	1679	7.704	59.345
7	Black	20.83	455	6.833	46.692
	White	19.04	1168	7.997	63.946
	Bi-Racial	22.10	23	6.399	40.944
	Other	21.58	33	5.698	32.463

Imputation Number	RACENEW	Mean	N	Std. Deviation	Variance
8	Total	19.62	1679	7.685	59.052
	Black	20.77	455	6.823	46.558
	White	19.08	1167	8.049	64.790
	Bi-Racial	22.73	22	7.022	49.302
	Other	22.05	35	5.654	31.973
9	Total	19.65	1679	7.726	59.691
	Black	20.74	455	6.808	46.349
	White	19.14	1167	8.086	65.384
	Bi-Racial	22.02	22	6.492	42.148
	Other	21.72	35	5.591	31.258
10	Total	19.67	1679	7.733	59.802
	Black	20.76	455	6.854	46.971
	White	19.02	1168	8.094	65.506
	Bi-Racial	22.06	23	6.331	40.082
	Other	21.94	33	5.684	32.309
	Total	19.59	1679	7.759	60.201

Appendix G5 - Homogeneity of Variance (Hispanic Origin)

Imputation Number	Levene Statistic	df1	df2	Sig.
1	13.795	1	1677	.000
2	12.235	1	1677	.000
3	14.651	1	1677	.000
4	13.433	1	1677	.000
5	11.039	1	1677	.001
6	13.486	1	1677	.000
7	14.928	1	1677	.000
8	15.679	1	1677	.000
9	12.148	1	1677	.001
10	10.630	1	1677	.001

Appendix G6 – Cross-Tabulation for Hispanic Origin and the Y-LSI Total

Imputation Number	HISPANIC ORIGIN	Mean	N	Std. Deviation	Variance
1	No	19.57	1632	7.795	60.769
	Yes	22.72	47	4.816	23.199
	Total	19.66	1679	7.744	59.972
2	No	19.52	1631	7.777	60.478
	Yes	21.96	48	5.071	25.719
	Total	19.59	1679	7.722	59.633
3	No	19.59	1633	7.765	60.290
	Yes	22.73	46	4.745	22.518
	Total	19.67	1679	7.714	59.505
4	No	19.62	1632	7.765	60.298
	Yes	22.27	47	4.881	23.826
	Total	19.70	1679	7.711	59.454
5	No	19.61	1632	7.733	59.795
	Yes	22.08	47	5.275	27.828
	Total	19.68	1679	7.684	59.050
6	No	19.58	1632	7.759	60.200
	Yes	22.29	47	4.797	23.012
	Total	19.66	1679	7.704	59.345
7	No	19.53	1632	7.737	59.863
	Yes	22.64	47	4.690	22.000
	Total	19.62	1679	7.685	59.052
8	No	19.56	1633	7.780	60.522
	Yes	22.57	46	4.683	21.928
	Total	19.65	1679	7.726	59.691
9	No	19.59	1631	7.787	60.632
	Yes	22.14	48	5.084	25.844
	Total	19.67	1679	7.733	59.802
10	No	19.52	1632	7.806	60.931
	Yes	22.07	47	5.399	29.150
	Total	19.59	1679	7.759	60.201

Appendix G7 - Homogeneity of Variance (Child Service History)

Imputation Number	Levene Statistic	df1	df2	Sig.
1	14.005	1	1677	.000
2	10.038	1	1677	.002
3	10.448	1	1677	.001
4	16.778	1	1677	.000
5	9.936	1	1677	.002
6	13.249	1	1677	.000
7	12.911	1	1677	.000
8	9.526	1	1677	.002
9	10.811	1	1677	.001
10	12.309	1	1677	.000

Appendix G8 – Cross-Tabulation for CHS and the Y-LSI Total

Imputation Number	CHS	Mean	N	Std. Deviation	Variance
1	No	18.11	997	7.850	61.621
	Yes	21.92	682	7.000	48.995
	Total	19.66	1679	7.744	59.972
2	No	17.88	981	7.753	60.104
	Yes	21.99	698	7.015	49.205
	Total	19.59	1679	7.722	59.633
3	No	18.08	996	7.769	60.356
	Yes	22.00	683	7.016	49.230
	Total	19.67	1679	7.714	59.505
4	No	18.02	985	7.827	61.258
	Yes	22.07	694	6.882	47.368
	Total	19.70	1679	7.711	59.454
5	No	18.05	992	7.743	59.950
	Yes	22.02	687	6.964	48.502
	Total	19.68	1679	7.684	59.050
6	No	17.97	1003	7.734	59.815
	Yes	22.17	676	6.940	48.168
	Total	19.66	1679	7.704	59.345
7	No	17.94	969	7.760	60.218
	Yes	21.91	710	6.958	48.415
	Total	19.62	1679	7.685	59.052
8	No	17.97	993	7.756	60.150
	Yes	22.07	686	7.012	49.170
	Total	19.65	1679	7.726	59.691
9	No	18.08	1007	7.797	60.791
	Yes	22.04	672	6.999	48.982
	Total	19.67	1679	7.733	59.802
10	No	18.03	985	7.857	61.731
	Yes	21.79	694	7.057	49.801
	Total	19.59	1679	7.759	60.201

Appendix G9- Homogeneity of Variance (Gang Affiliation)

Imputation Number	Levene Statistic	df1	df2	Sig.
1	.076	1	1677	.782
2	.210	1	1677	.646
3	.130	1	1677	.719
4	.259	1	1677	.611
5	.022	1	1677	.882
6	.282	1	1677	.596
7	.223	1	1677	.637
8	.353	1	1677	.553
9	.010	1	1677	.919
10	.200	1	1677	.655

Appendix G10 – Cross-Tabulation for Gang Affiliation and the Y-LSI Total

Imputation Number	GANG	Mean	N	Std. Deviation	Variance
1	No	19.32	1569	7.647	58.478
	Yes	24.44	110	7.573	57.356
	Total	19.66	1679	7.744	59.972
2	No	19.29	1543	7.632	58.251
	Yes	23.04	136	7.926	62.826
	Total	19.59	1679	7.722	59.633
3	No	19.39	1545	7.633	58.257
	Yes	22.90	134	7.938	63.010
	Total	19.67	1679	7.714	59.505
4	No	19.40	1543	7.622	58.102
	Yes	23.05	136	7.935	62.969
	Total	19.70	1679	7.711	59.454
5	No	19.34	1569	7.569	57.284
	Yes	24.42	110	7.789	60.673
	Total	19.68	1679	7.684	59.050
6	No	19.37	1546	7.618	58.038
	Yes	23.03	133	7.917	62.681
	Total	19.66	1679	7.704	59.345
7	No	19.29	1566	7.598	57.732
	Yes	24.22	113	7.422	55.093
	Total	19.62	1679	7.685	59.052
8	No	19.32	1569	7.635	58.286
	Yes	24.33	110	7.535	56.773
	Total	19.65	1679	7.726	59.691
9	No	19.37	1538	7.661	58.686
	Yes	22.94	141	7.793	60.725
	Total	19.67	1679	7.733	59.802
10	No	19.26	1568	7.661	58.692
	Yes	24.22	111	7.685	59.061
	Total	19.59	1679	7.759	60.201

Appendix G11 - Homogeneity of Variance (Offence Type New)

Imputation Number	Levene Statistic	df1	df2	Sig.
1	1.121	3	1675	.339
2	1.705	3	1675	.164
3	1.224	3	1675	.300
4	2.129	3	1675	.095
5	1.929	3	1675	.123
6	1.251	3	1675	.290
7	1.019	3	1675	.383
8	2.024	3	1675	.109
9	1.501	3	1675	.212
10	.833	3	1675	.476

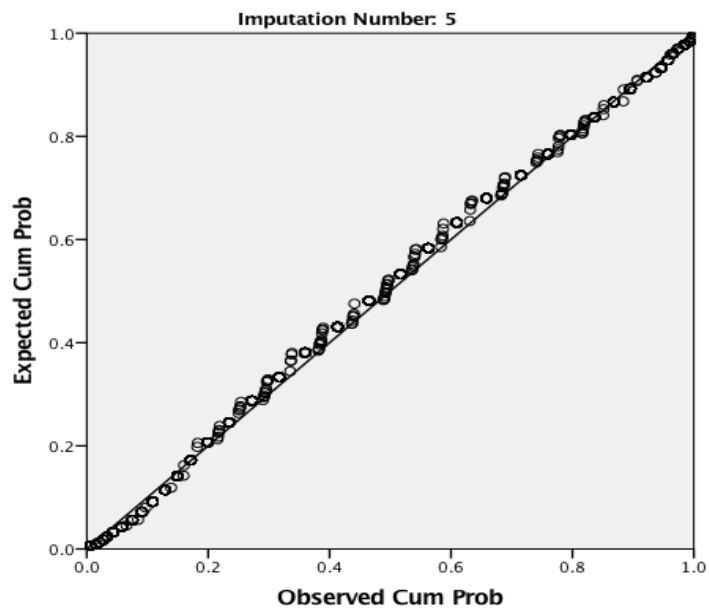
Appendix G12 – Cross-Tabulation for Offence Type New and the Y-LSI Total

Imputation Number	OFFTYPENEW	Mean	N	Std. Deviation	Variance
1	Minor Offence	18.04	162	7.858	61.750
	Drugs	19.30	176	7.379	54.455
	Property	19.97	805	7.640	58.373
	Violent	19.79	536	7.936	62.985
	Total	19.66	1679	7.744	59.972
2	Minor Offence	17.83	162	7.648	58.484
	Drugs	18.95	176	7.155	51.200
	Property	19.87	797	7.627	58.174
	Violent	19.90	544	7.993	63.890
	Total	19.59	1679	7.722	59.633
3	Minor Offence	18.19	158	8.041	64.651
	Drugs	19.13	179	7.104	50.463
	Property	19.85	795	7.603	57.812
	Violent	20.02	547	7.928	62.859
	Total	19.67	1679	7.714	59.505
4	Minor Offence	18.09	156	7.370	54.321
	Drugs	19.22	175	7.190	51.697
	Property	19.98	807	7.661	58.693
	Violent	19.89	541	7.995	63.920
	Total	19.70	1679	7.711	59.454
5	Minor Offence	17.84	149	7.590	57.604
	Drugs	19.14	181	7.092	50.292
	Property	19.99	813	7.609	57.903
	Violent	19.89	536	7.952	63.240
	Total	19.68	1679	7.684	59.050
6	Minor Offence	17.99	158	7.531	56.709
	Drugs	19.38	178	7.146	51.062
	Property	19.89	794	7.714	59.505
	Violent	19.89	549	7.868	61.912
	Total	19.66	1679	7.704	59.345
7	Minor Offence	18.02	158	7.596	57.692
	Drugs	18.84	177	7.240	52.411
	Property	19.89	799	7.642	58.397
	Violent	19.94	545	7.857	61.731

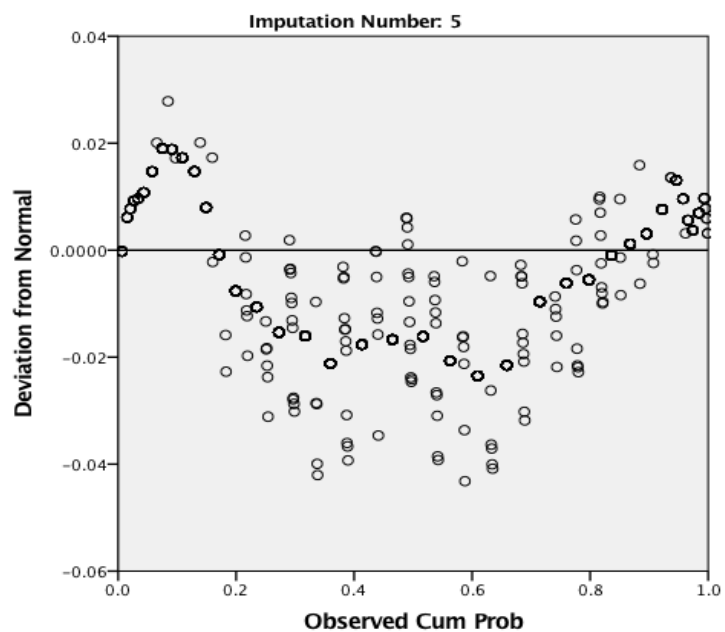
Imputation Number	OFFTYPENEW	Mean	N	Std. Deviation	Variance
8	Total	19.62	1679	7.685	59.052
	Minor Offence	17.97	167	7.458	55.619
	Drugs	18.98	176	7.154	51.182
	Property	20.02	799	7.694	59.193
	Violent	19.83	537	7.972	63.546
9	Total	19.65	1679	7.726	59.691
	Minor Offence	17.97	151	7.744	59.973
	Drugs	19.44	181	7.234	52.332
	Property	19.82	801	7.657	58.626
	Violent	19.99	546	7.958	63.326
10	Total	19.67	1679	7.733	59.802
	Minor Offence	18.04	159	7.961	63.371
	Drugs	19.47	192	7.232	52.297
	Property	19.71	791	7.727	59.711
	Violent	19.91	537	7.893	62.303
	Total	19.59	1679	7.759	60.201

Appendix H1 - Normality (Males)

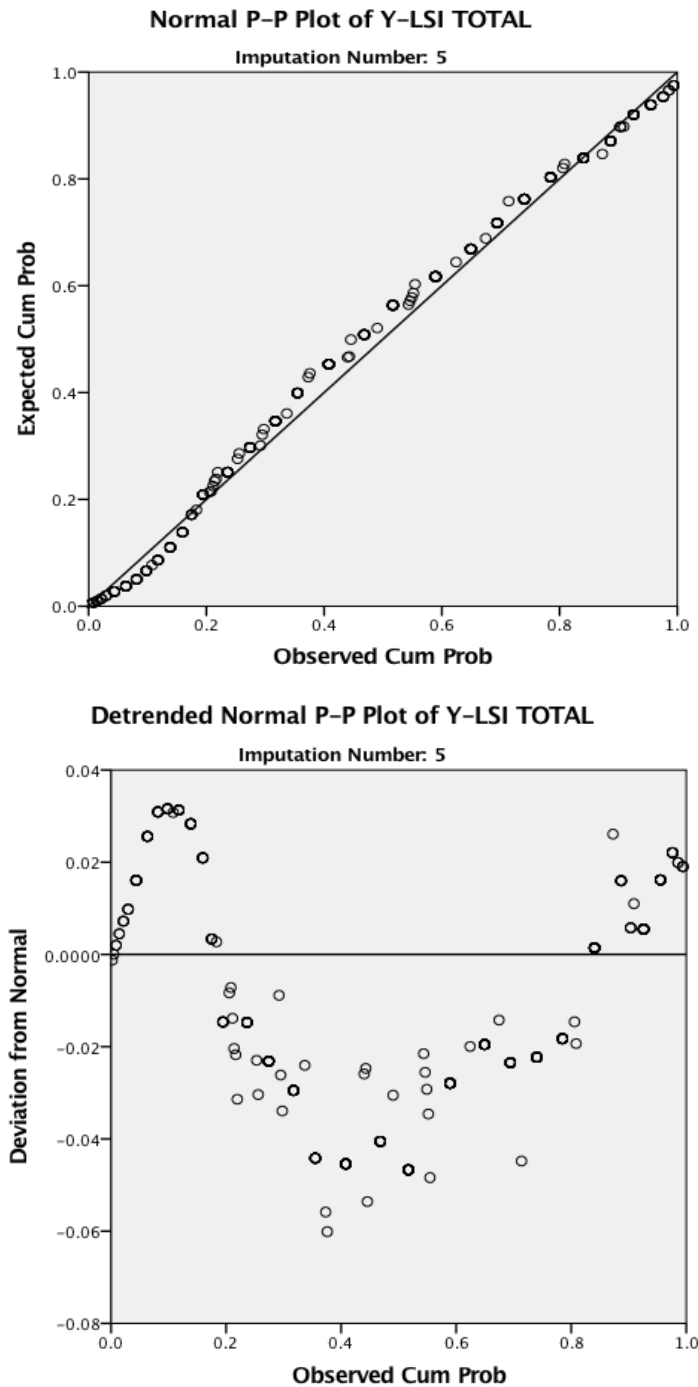
Normal P-P Plot of Y-LSI TOTAL



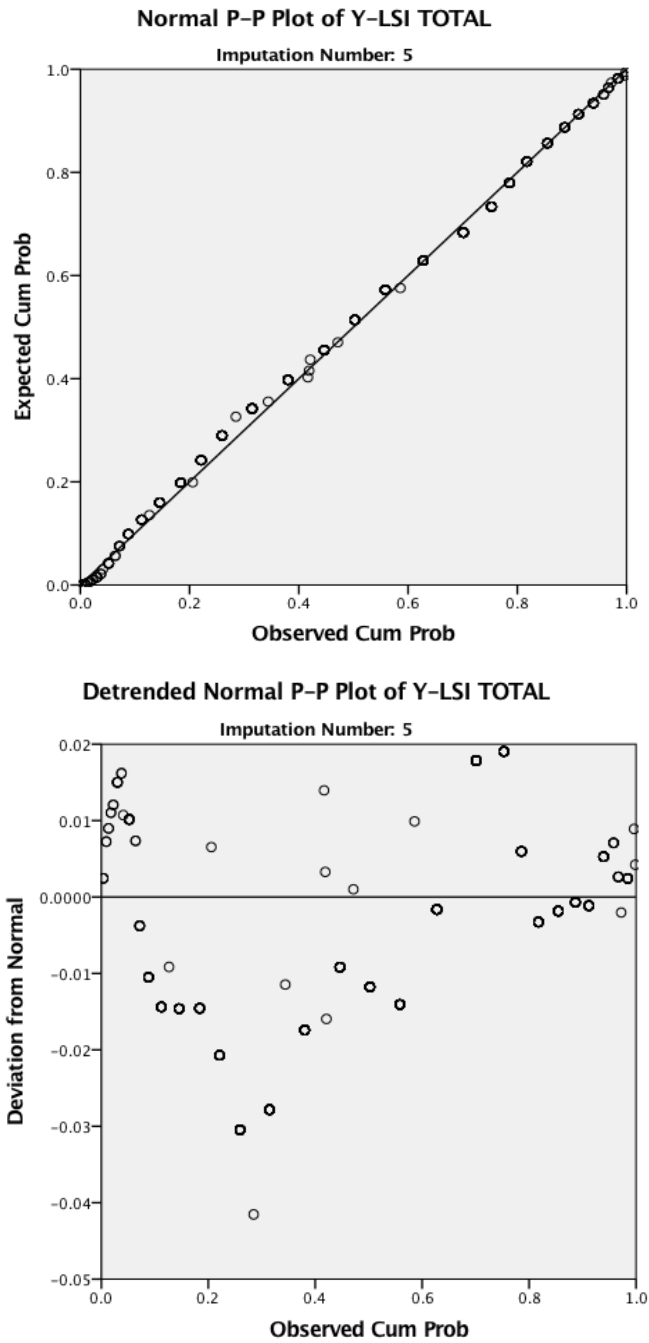
Detrended Normal P-P Plot of Y-LSI TOTAL



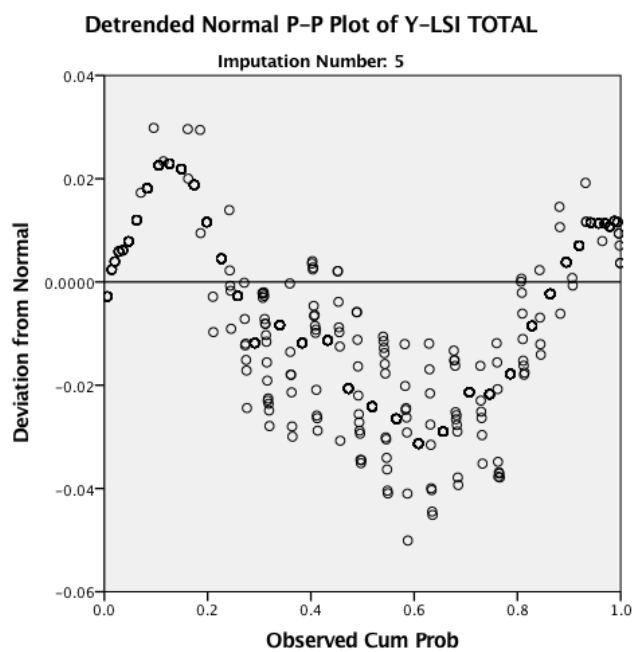
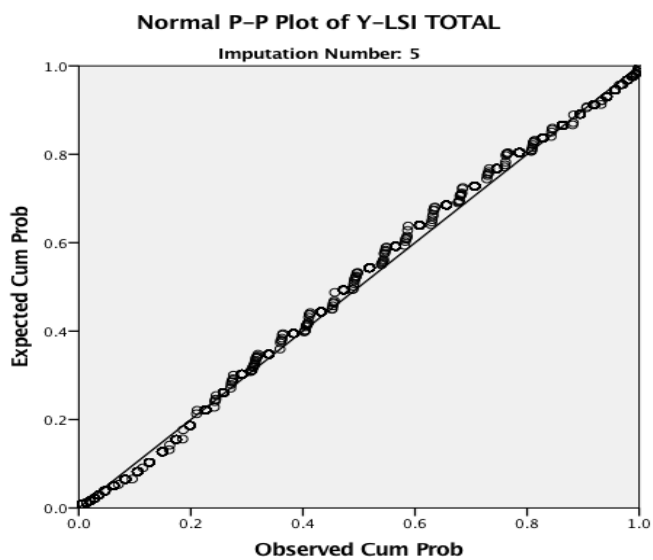
Appendix H2 - Normality (Females)



Appendix H3 - Normality (Blacks)

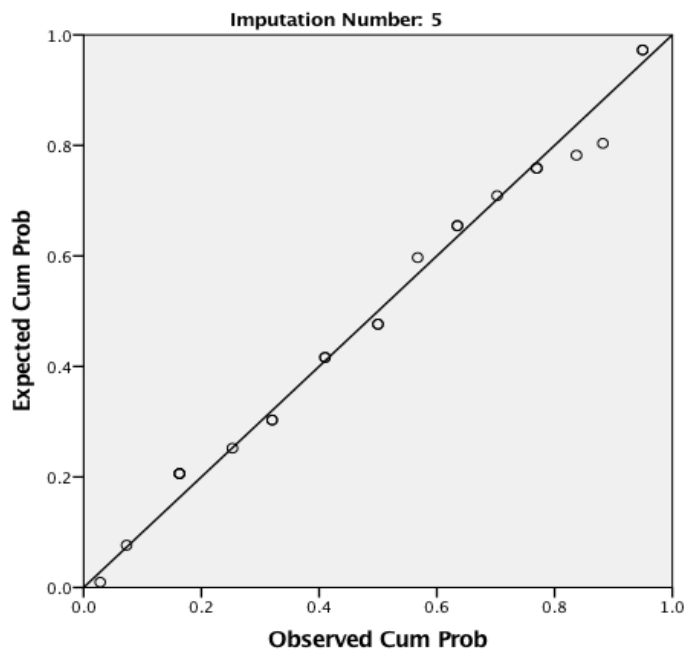


Appendix H4 - Normality (Whites)

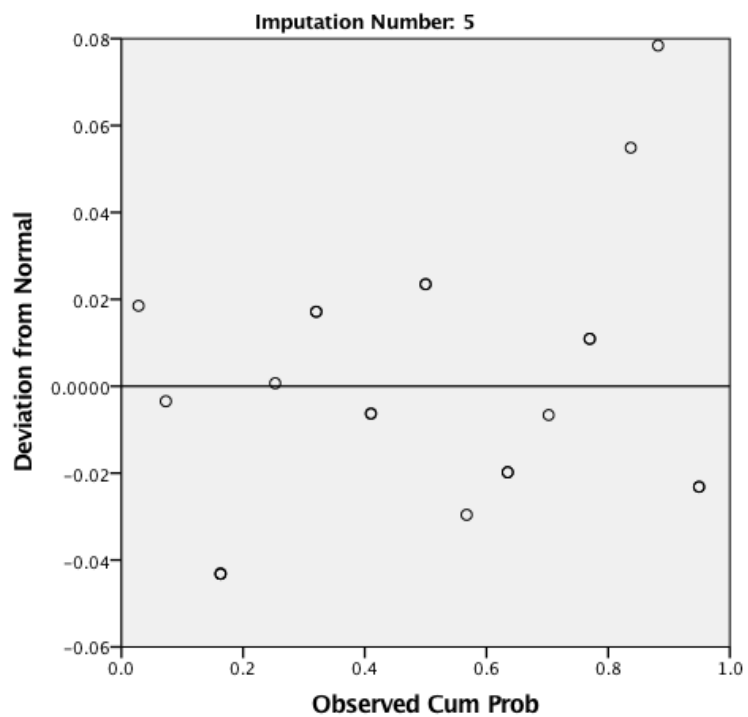


Appendix H5 - Normality (Bi-Racial)

Normal P-P Plot of Y-LSI TOTAL

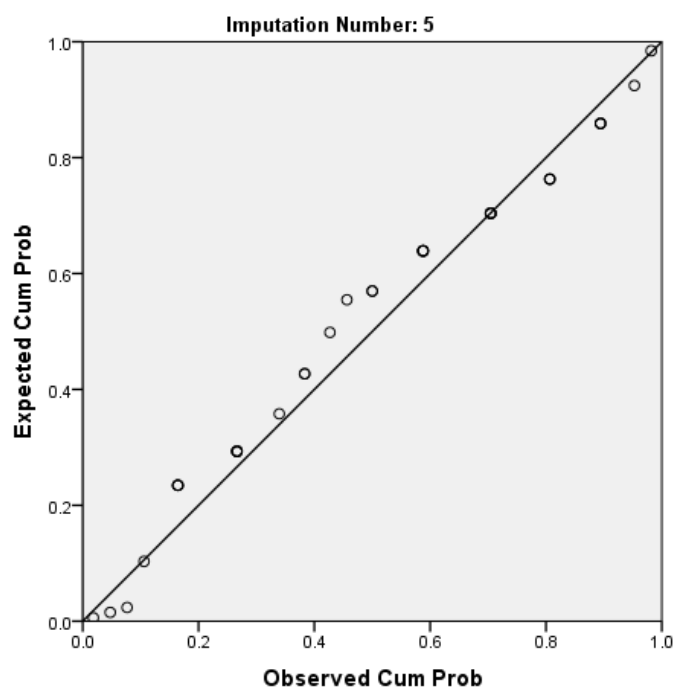


Detrended Normal P-P Plot of Y-LSI TOTAL

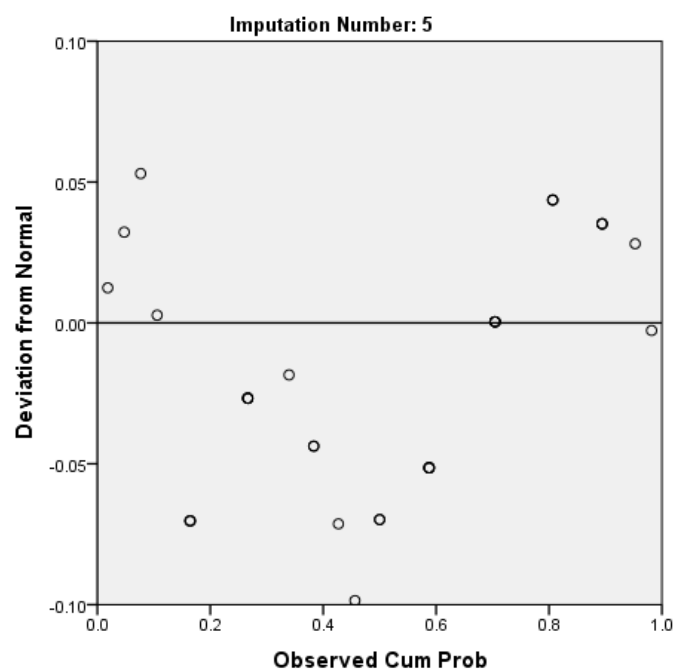


Appendix H6 – Normality (“Other” Race)

Normal P-P Plot of Y-LSI TOTAL

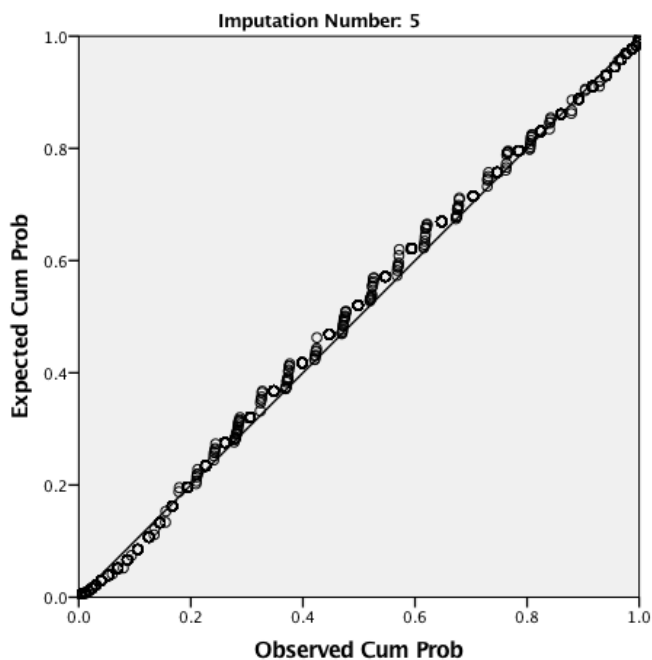


Detrended Normal P-P Plot of Y-LSI TOTAL

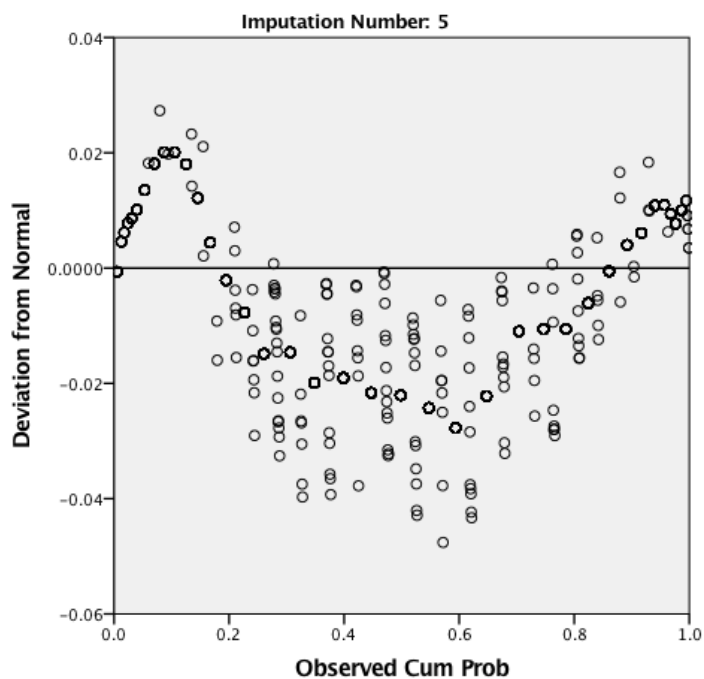


Appendix H7 - Normality (No Hispanic Origin)

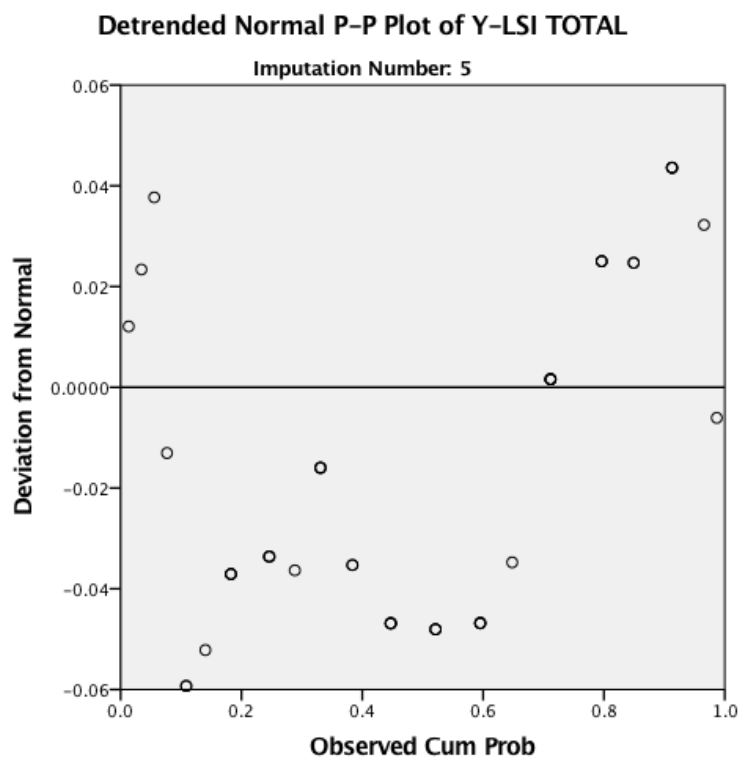
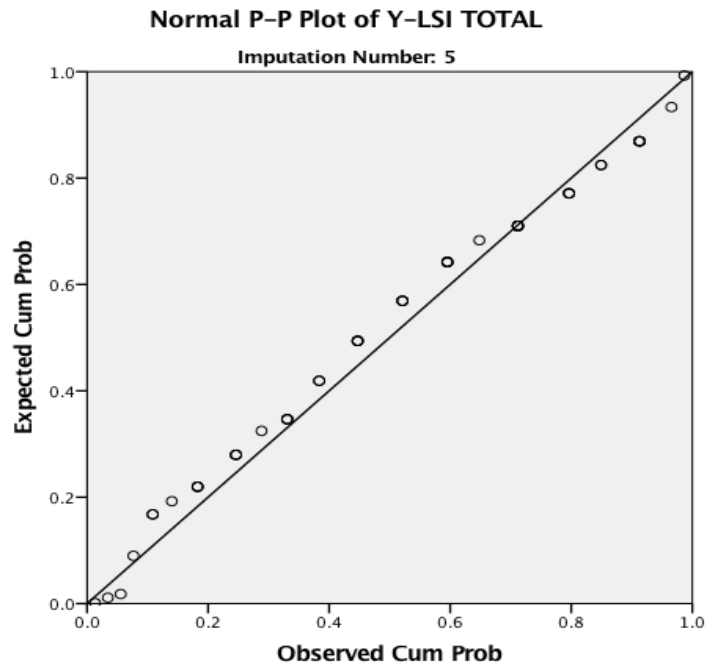
Normal P-P Plot of Y-LSI TOTAL



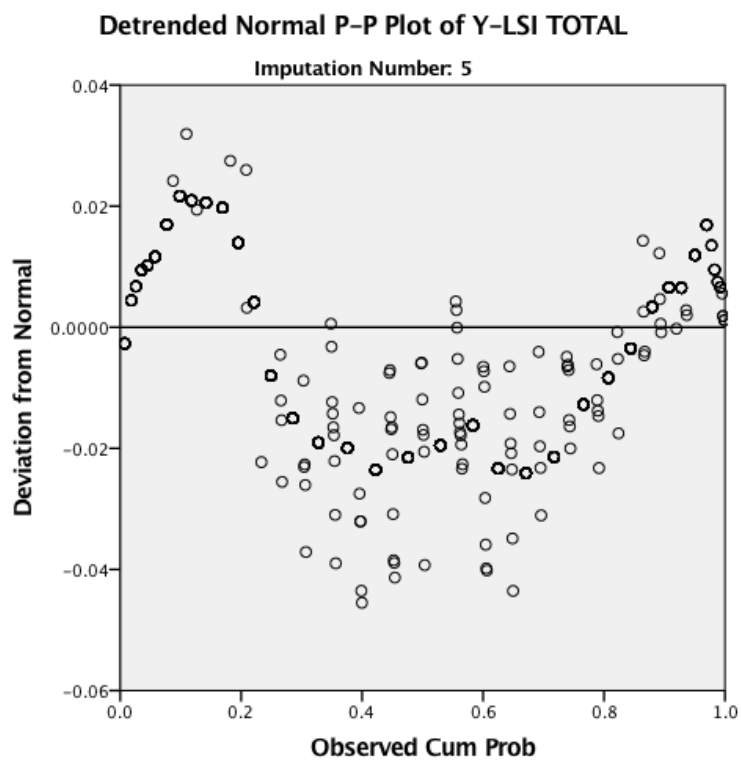
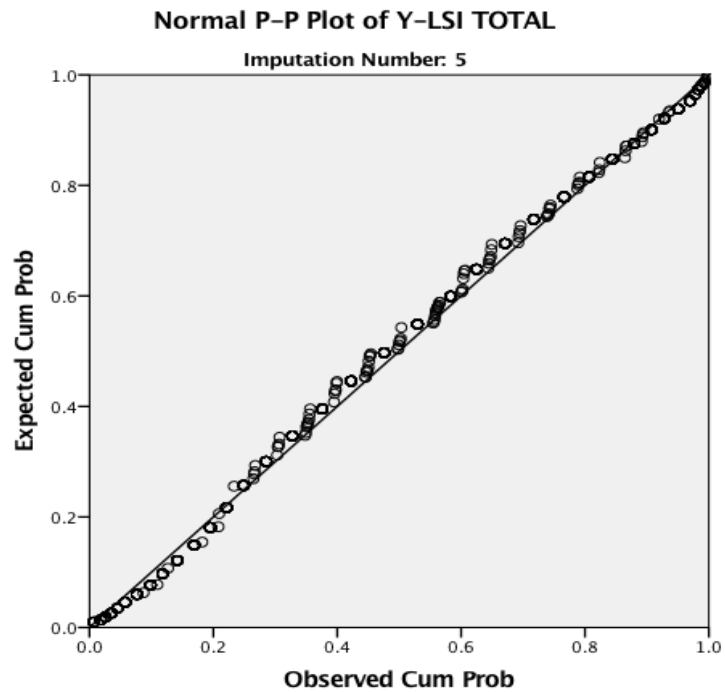
Detrended Normal P-P Plot of Y-LSI TOTAL



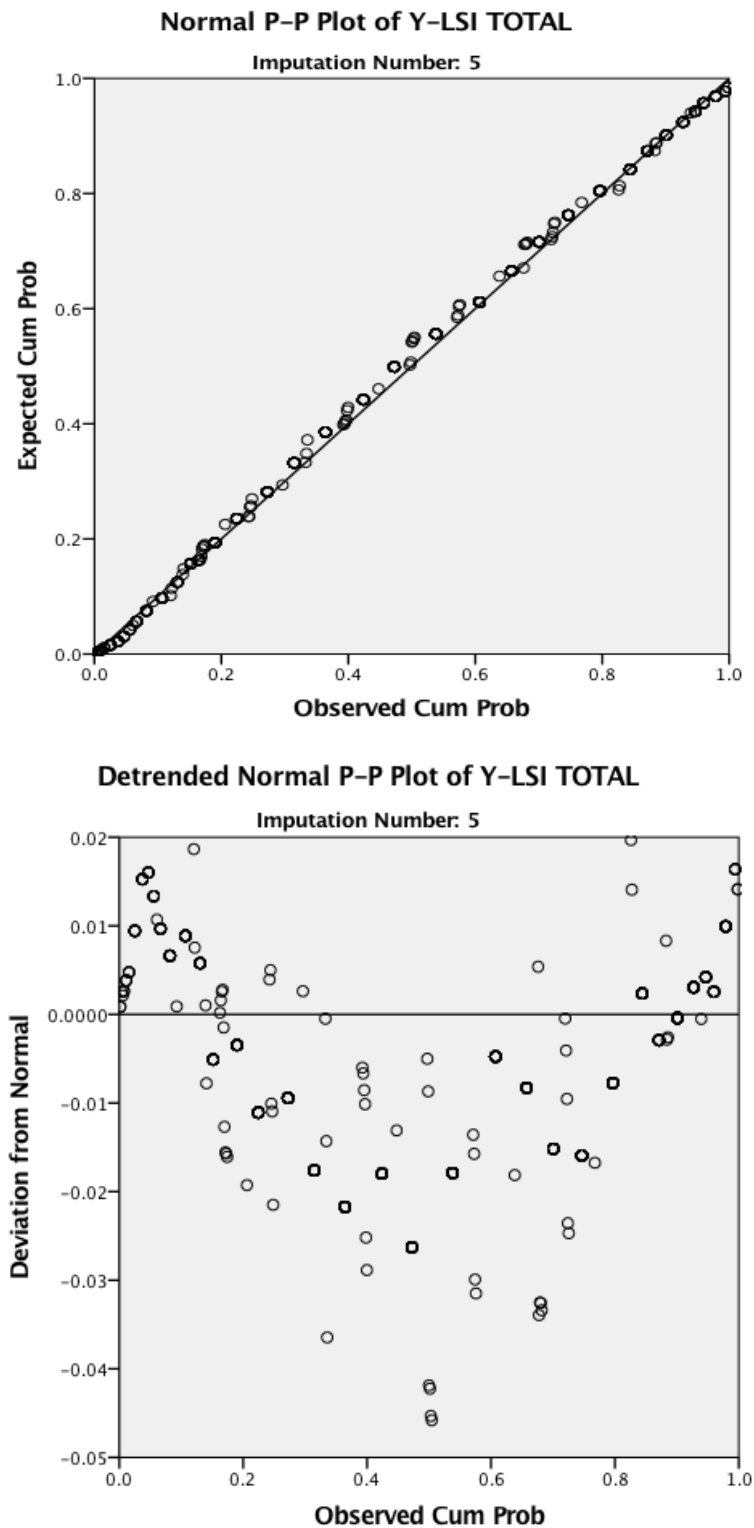
Appendix H8 - Normality (Hispanic Origin)



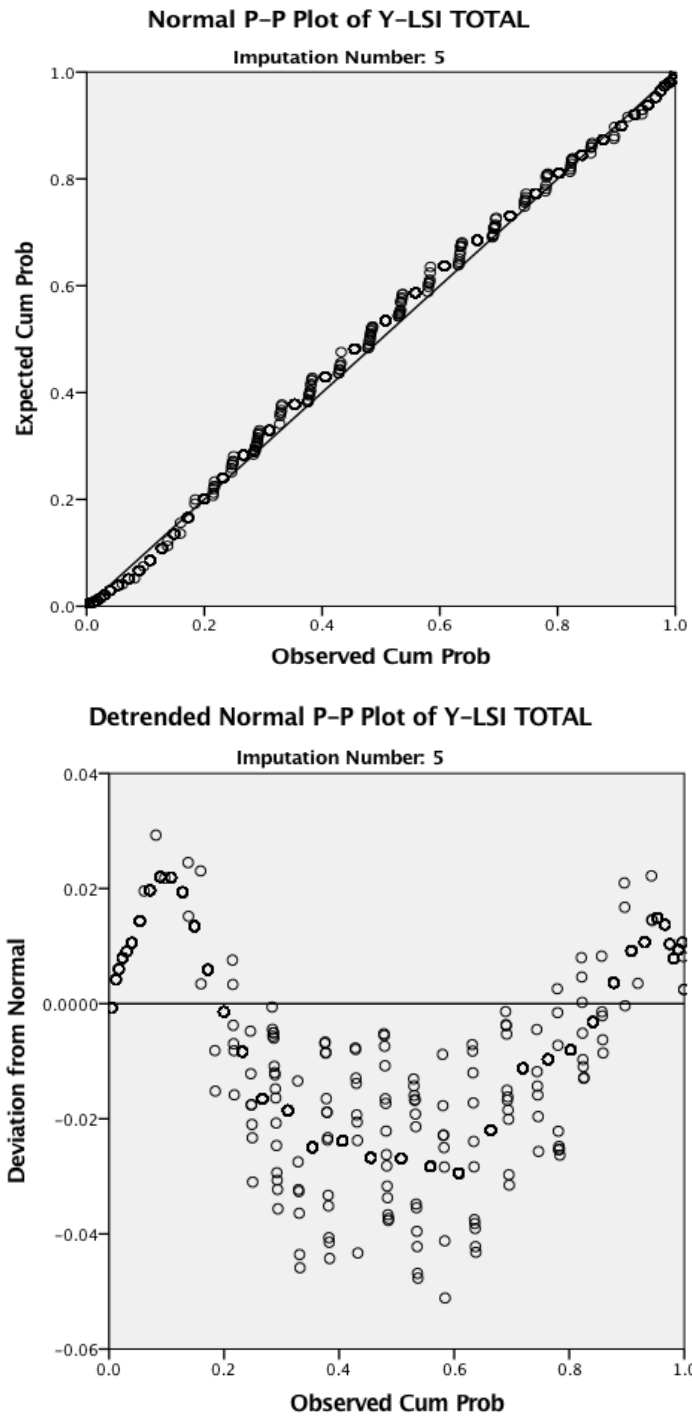
Appendix H9 - Normality (No Child Service History)



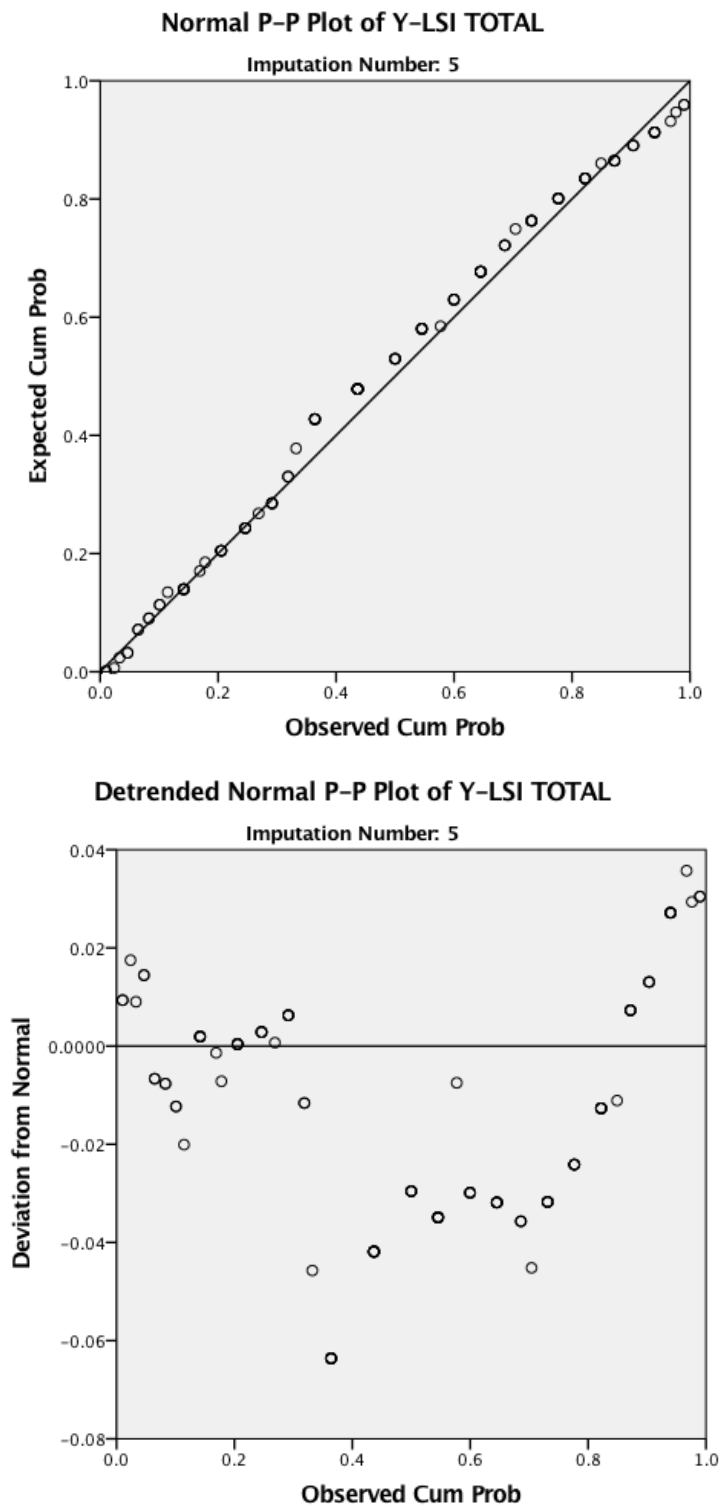
Appendix H10 - Normality (Child Service History)



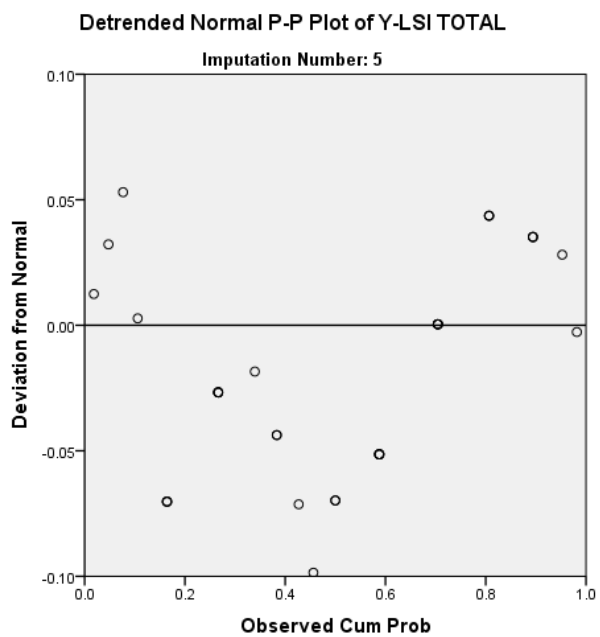
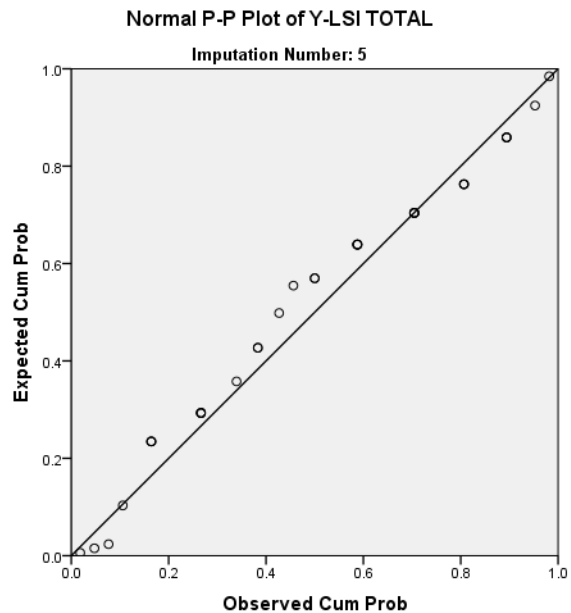
Appendix H11 - Normality (No Gang Affiliation)



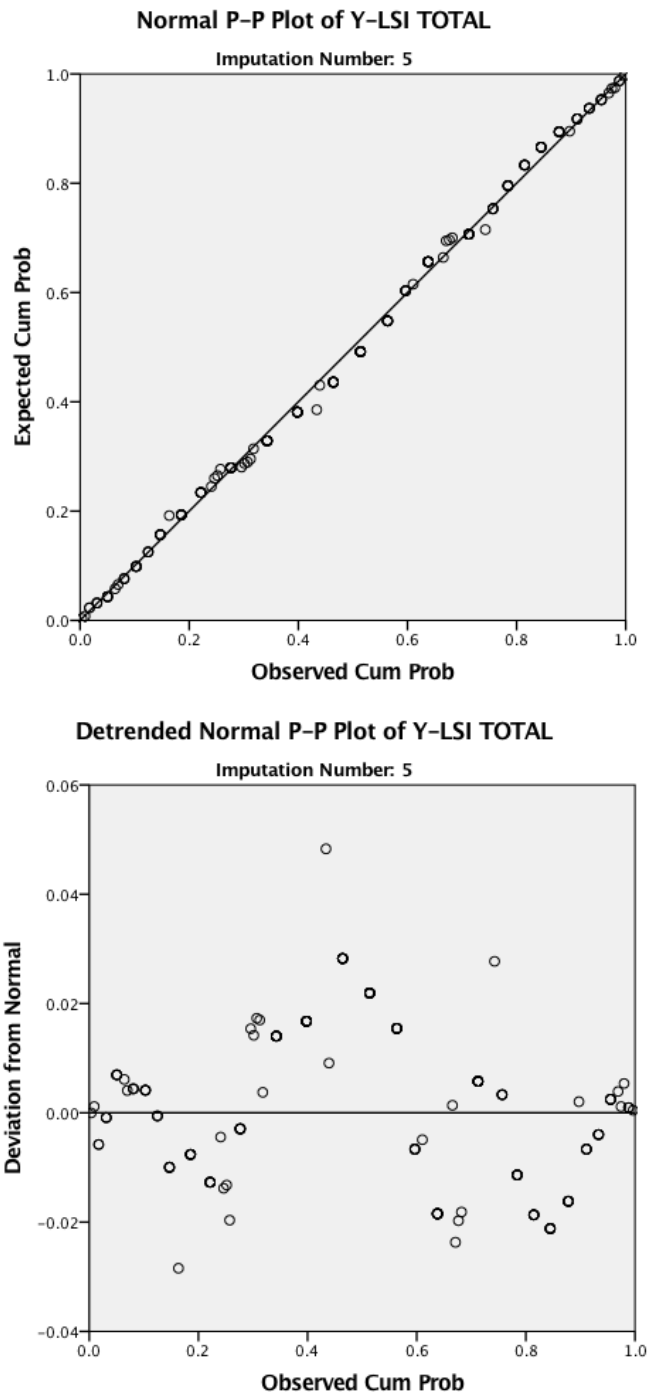
Appendix H12 - Normality (Gang Affiliation)



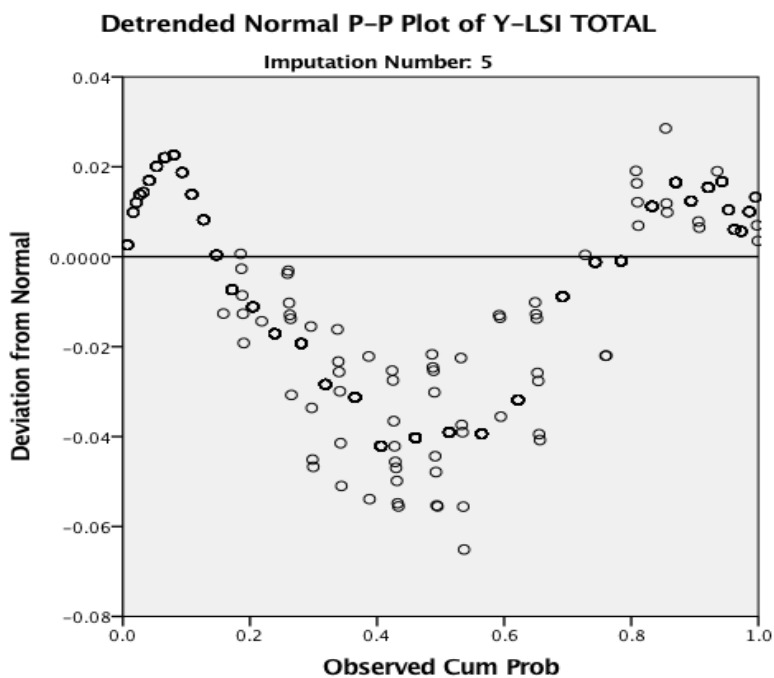
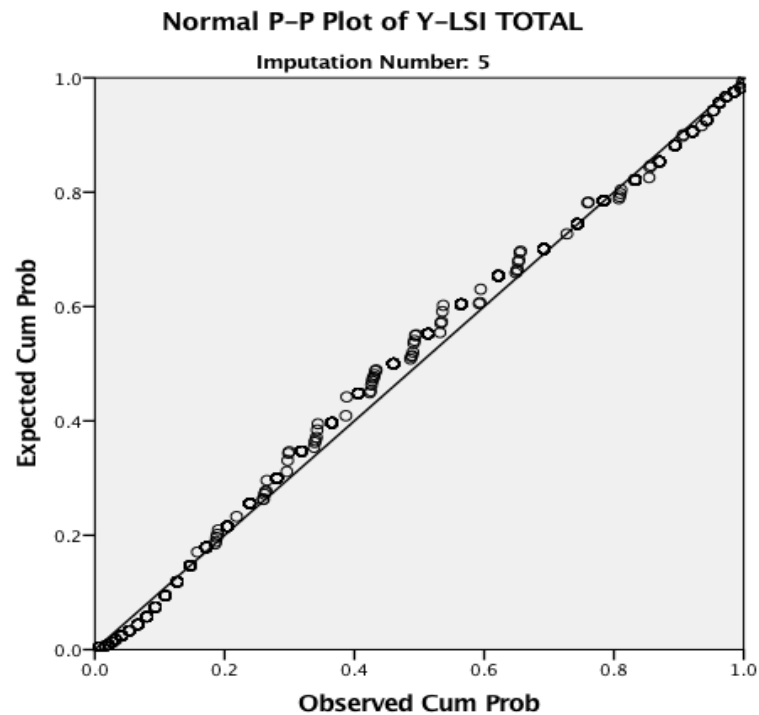
Appendix H13 – Normality (Minor Offence)



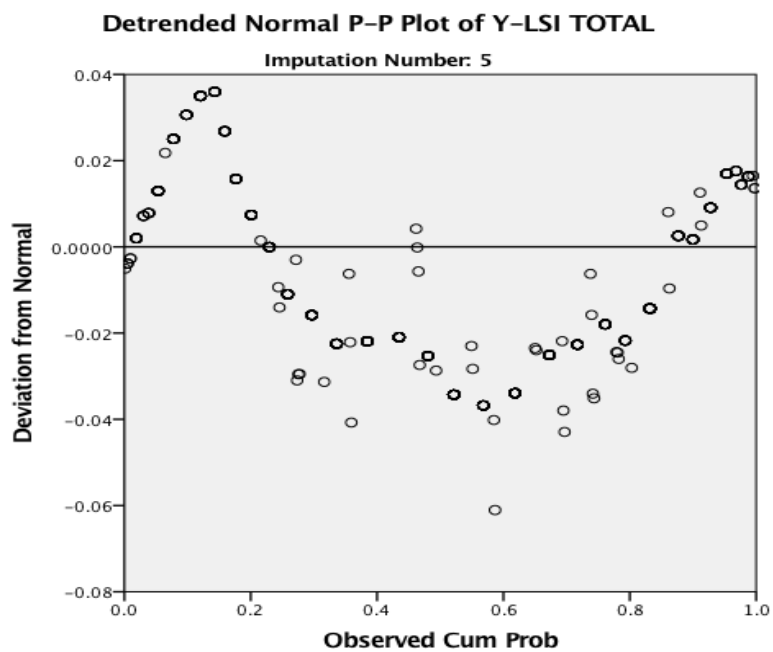
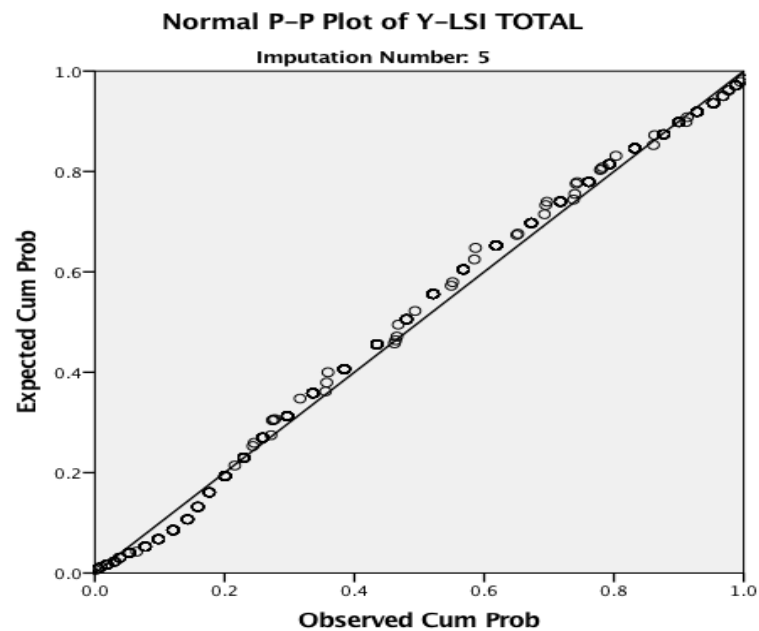
Appendix H14- Normality (Drug Crime)



Appendix H15 - Normality (Property Crimes)



Appendix H16 - Normality (Violent Crime)



Appendix I1 – Multivariate Normality Cell Counts (Gender)

Imputation Number	GENDER	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
1	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
2	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
3	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
4	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
5	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
6	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
7	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
8	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
9	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679
10	Male	1321	1321	1321	1321	1321	1187	1321	1321
	Female	358	358	358	358	358	326	358	358
	Total	1679	1679	1679	1679	1679	1513	1679	1679

Appendix I2 – Multivariate Normality Cell Counts (Race)

Imputation Number	RACENEW	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
1	Black	455	455	455	455	455	446	455	455
	White	1169	1169	1169	1169	1169	1014	1169	1169
	Bi-Racial	22	22	22	22	22	21	22	22
	Other	33	33	33	33	33	32	33	33
	Total	1679	1679	1679	1679	1679	1513	1679	1679
2	Black	456	456	456	456	456	447	456	456
	White	1167	1167	1167	1167	1167	1012	1167	1167
	Bi-Racial	22	22	22	22	22	21	22	22
	Other	34	34	34	34	34	33	34	34
	Total	1679	1679	1679	1679	1679	1513	1679	1679
3	Black	455	455	455	455	455	446	455	455
	White	1171	1171	1171	1171	1171	1015	1171	1171
	Bi-Racial	22	22	22	22	22	21	22	22
	Other	31	31	31	31	31	31	31	31
	Total	1679	1679	1679	1679	1679	1513	1679	1679
4	Black	455	455	455	455	455	446	455	455
	White	1167	1167	1167	1167	1167	1012	1167	1167
	Bi-Racial	23	23	23	23	23	21	23	23
	Other	34	34	34	34	34	34	34	34
	Total	1679	1679	1679	1679	1679	1513	1679	1679
5	Black	455	455	455	455	455	446	455	455
	White	1168	1168	1168	1168	1168	1013	1168	1168
	Bi-Racial	22	22	22	22	22	21	22	22
	Other	34	34	34	34	34	33	34	34
	Total	1679	1679	1679	1679	1679	1513	1679	1679
6	Black	455	455	455	455	455	446	455	455
	White	1168	1168	1168	1168	1168	1013	1168	1168
	Bi-Racial	22	22	22	22	22	21	22	22
	Other	34	34	34	34	34	33	34	34
	Total	1679	1679	1679	1679	1679	1513	1679	1679
7	Black	455	455	455	455	455	446	455	455
	White	1168	1168	1168	1168	1168	1013	1168	1168
	Bi-Racial	23	23	23	23	23	22	23	23
	Other	33	33	33	33	33	32	33	33

Imputation Number	RACENEW	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
8	Total	1679	1679	1679	1679	1679	1513	1679	1679
	Black	455	455	455	455	455	446	455	455
	White	1167	1167	1167	1167	1167	1012	1167	1167
	Bi-Racial	22	22	22	22	22	21	22	22
	Other	35	35	35	35	35	34	35	35
	Total	1679	1679	1679	1679	1679	1513	1679	1679
9	Black	455	455	455	455	455	446	455	455
	White	1167	1167	1167	1167	1167	1012	1167	1167
	Bi-Racial	22	22	22	22	22	21	22	22
	Other	35	35	35	35	35	34	35	35
	Total	1679	1679	1679	1679	1679	1513	1679	1679
	Black	455	455	455	455	455	446	455	455
10	White	1168	1168	1168	1168	1168	1013	1168	1168
	Bi-Racial	23	23	23	23	23	21	23	23
	Other	33	33	33	33	33	33	33	33
	Total	1679	1679	1679	1679	1679	1513	1679	1679

Appendix I3 – Multivariate Normality Cell Counts (Hispanic Origin)

Imputation Number	HISPANIC	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
1	No	1632	1632	1632	1632	1632	1469	1632	1632
	Yes	47	47	47	47	47	44	47	47
	Total	1679	1679	1679	1679	1679	1513	1679	1679
2	No	1631	1631	1631	1631	1631	1468	1631	1631
	Yes	48	48	48	48	48	45	48	48
	Total	1679	1679	1679	1679	1679	1513	1679	1679
3	No	1633	1633	1633	1633	1633	1470	1633	1633
	Yes	46	46	46	46	46	43	46	46
	Total	1679	1679	1679	1679	1679	1513	1679	1679
4	No	1632	1632	1632	1632	1632	1469	1632	1632
	Yes	47	47	47	47	47	44	47	47
	Total	1679	1679	1679	1679	1679	1513	1679	1679
5	No	1632	1632	1632	1632	1632	1469	1632	1632
	Yes	47	47	47	47	47	44	47	47
	Total	1679	1679	1679	1679	1679	1513	1679	1679
6	No	1632	1632	1632	1632	1632	1469	1632	1632
	Yes	47	47	47	47	47	44	47	47
	Total	1679	1679	1679	1679	1679	1513	1679	1679
7	No	1632	1632	1632	1632	1632	1469	1632	1632
	Yes	47	47	47	47	47	44	47	47
	Total	1679	1679	1679	1679	1679	1513	1679	1679
8	No	1633	1633	1633	1633	1633	1470	1633	1633
	Yes	46	46	46	46	46	43	46	46
	Total	1679	1679	1679	1679	1679	1513	1679	1679
9	No	1631	1631	1631	1631	1631	1468	1631	1631
	Yes	48	48	48	48	48	45	48	48
	Total	1679	1679	1679	1679	1679	1513	1679	1679
10	No	1632	1632	1632	1632	1632	1469	1632	1632
	Yes	47	47	47	47	47	44	47	47
	Total	1679	1679	1679	1679	1679	1513	1679	1679

Appendix I4 – Multivariate Normality Cell Counts (CHS)

Imputation Number	CHS	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
1	No	997	997	997	997	997	888	997	997
	Yes	682	682	682	682	682	625	682	682
	Total	1679	1679	1679	1679	1679	1513	1679	1679
2	No	981	981	981	981	981	876	981	981
	Yes	698	698	698	698	698	637	698	698
	Total	1679	1679	1679	1679	1679	1513	1679	1679
3	No	996	996	996	996	996	883	996	996
	Yes	683	683	683	683	683	630	683	683
	Total	1679	1679	1679	1679	1679	1513	1679	1679
4	No	985	985	985	985	985	874	985	985
	Yes	694	694	694	694	694	639	694	694
	Total	1679	1679	1679	1679	1679	1513	1679	1679
5	No	992	992	992	992	992	887	992	992
	Yes	687	687	687	687	687	626	687	687
	Total	1679	1679	1679	1679	1679	1513	1679	1679
6	No	1003	1003	1003	1003	1003	886	1003	1003
	Yes	676	676	676	676	676	627	676	676
	Total	1679	1679	1679	1679	1679	1513	1679	1679
7	No	969	969	969	969	969	868	969	969
	Yes	710	710	710	710	710	645	710	710
	Total	1679	1679	1679	1679	1679	1513	1679	1679
8	No	993	993	993	993	993	887	993	993
	Yes	686	686	686	686	686	626	686	686
	Total	1679	1679	1679	1679	1679	1513	1679	1679
9	No	1007	1007	1007	1007	1007	894	1007	1007
	Yes	672	672	672	672	672	619	672	672
	Total	1679	1679	1679	1679	1679	1513	1679	1679
10	No	985	985	985	985	985	880	985	985
	Yes	694	694	694	694	694	633	694	694
	Total	1679	1679	1679	1679	1679	1513	1679	1679

Appendix I5 – Multivariate Normality Cell Counts (Gang Affiliation)

Imputation Number	GANG	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
1	No	1569	1569	1569	1569	1569	1412	1569	1569
	Yes	110	110	110	110	110	101	110	110
	Total	1679	1679	1679	1679	1679	1513	1679	1679
2	No	1543	1543	1543	1543	1543	1394	1543	1543
	Yes	136	136	136	136	136	119	136	136
	Total	1679	1679	1679	1679	1679	1513	1679	1679
3	No	1545	1545	1545	1545	1545	1397	1545	1545
	Yes	134	134	134	134	134	116	134	134
	Total	1679	1679	1679	1679	1679	1513	1679	1679
4	No	1543	1543	1543	1543	1543	1396	1543	1543
	Yes	136	136	136	136	136	117	136	136
	Total	1679	1679	1679	1679	1679	1513	1679	1679
5	No	1569	1569	1569	1569	1569	1409	1569	1569
	Yes	110	110	110	110	110	104	110	110
	Total	1679	1679	1679	1679	1679	1513	1679	1679
6	No	1546	1546	1546	1546	1546	1396	1546	1546
	Yes	133	133	133	133	133	117	133	133
	Total	1679	1679	1679	1679	1679	1513	1679	1679
7	No	1566	1566	1566	1566	1566	1409	1566	1566
	Yes	113	113	113	113	113	104	113	113
	Total	1679	1679	1679	1679	1679	1513	1679	1679
8	No	1569	1569	1569	1569	1569	1412	1569	1569
	Yes	110	110	110	110	110	101	110	110
	Total	1679	1679	1679	1679	1679	1513	1679	1679
9	No	1538	1538	1538	1538	1538	1390	1538	1538
	Yes	141	141	141	141	141	123	141	141
	Total	1679	1679	1679	1679	1679	1513	1679	1679
10	No	1568	1568	1568	1568	1568	1407	1568	1568
	Yes	111	111	111	111	111	106	111	111
	Total	1679	1679	1679	1679	1679	1513	1679	1679

Appendix I6 – Multivariate Normality Cell Counts (Offence Type)

Imputation Number	OFFTYPENEW	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
1	Minor Offence	162	162	162	162	162	124	162	162
	Drugs	176	176	176	176	176	154	176	176
	Property	805	805	805	805	805	737	805	805
	Violent	536	536	536	536	536	498	536	536
	Total	1679	1679	1679	1679	1679	1513	1679	1679
2	Minor Offence	162	162	162	162	162	124	162	162
	Drugs	176	176	176	176	176	155	176	176
	Property	797	797	797	797	797	728	797	797
	Violent	544	544	544	544	544	506	544	544
	Total	1679	1679	1679	1679	1679	1513	1679	1679
3	Minor Offence	158	158	158	158	158	122	158	158
	Drugs	179	179	179	179	179	158	179	179
	Property	795	795	795	795	795	723	795	795
	Violent	547	547	547	547	547	510	547	547
	Total	1679	1679	1679	1679	1679	1513	1679	1679
4	Minor Offence	156	156	156	156	156	119	156	156
	Drugs	175	175	175	175	175	152	175	175
	Property	807	807	807	807	807	737	807	807
	Violent	541	541	541	541	541	505	541	541
	Total	1679	1679	1679	1679	1679	1513	1679	1679
5	Minor Offence	149	149	149	149	149	113	149	149
	Drugs	181	181	181	181	181	160	181	181
	Property	813	813	813	813	813	742	813	813
	Violent	536	536	536	536	536	498	536	536
	Total	1679	1679	1679	1679	1679	1513	1679	1679
6	Minor Offence	158	158	158	158	158	122	158	158
	Drugs	178	178	178	178	178	154	178	178
	Property	794	794	794	794	794	727	794	794
	Violent	549	549	549	549	549	510	549	549
	Total	1679	1679	1679	1679	1679	1513	1679	1679
7	Minor Offence	158	158	158	158	158	122	158	158
	Drugs	177	177	177	177	177	154	177	177
	Property	799	799	799	799	799	730	799	799
	Violent	545	545	545	545	545	507	545	545

Imputation Number	OFFTYPENEW	SC1	SC2	SC3	SC4	SC5	SC6_Trans	SC7	SC8
8	Total	1679	1679	1679	1679	1679	1513	1679	1679
	Minor Offence	167	167	167	167	167	129	167	167
	Drugs	176	176	176	176	176	155	176	176
	Property	799	799	799	799	799	730	799	799
	Violent	537	537	537	537	537	499	537	537
	Total	1679	1679	1679	1679	1679	1513	1679	1679
9	Minor Offence	151	151	151	151	151	115	151	151
	Drugs	181	181	181	181	181	159	181	181
	Property	801	801	801	801	801	734	801	801
	Violent	546	546	546	546	546	505	546	546
	Total	1679	1679	1679	1679	1679	1513	1679	1679
10	Minor Offence	159	159	159	159	159	122	159	159
	Drugs	192	192	192	192	192	168	192	192
	Property	791	791	791	791	791	724	791	791
	Violent	537	537	537	537	537	499	537	537
	Total	1679	1679	1679	1679	1679	1513	1679	1679

Appendix J: Box-M Test

Box's Test of Equality of Covariance Matrices ^a		
1	Box's M	1723.381
	F	1.682
	df1	864
	df2	32875.971
	Sig.	.000
2	Box's M	1738.206
	F	1.550
	df1	936
	df2	33294.857
	Sig.	.000
3	Box's M	1805.821
	F	1.731
	df1	900
	df2	47424.844
	Sig.	.000
4	Box's M	1682.568
	F	1.767
	df1	828
	df2	43184.220
	Sig.	.000
5	Box's M	1684.003
	F	1.781
	df1	828
	df2	49298.559
	Sig.	.000

Box's Test of Equality of Covariance Matrices ^a		
6	Box's M	1838.162
	F	1.717
	df1	900
	df2	33021.551
	Sig.	.000
7	Box's M	1777.950
	F	1.776
	df1	864
	df2	43237.358
	Sig.	.000
8	Box's M	1624.977
	F	1.673
	df1	828
	df2	33246.433
	Sig.	.000
9	Box's M	1831.297
	F	1.725
	df1	900
	df2	37460.195
	Sig.	.000
10	Box's M	1389.942
	F	1.625
	df1	756
	df2	47752.722
	Sig.	.000

Imputation Number	GENDER		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
4	Fem ale	Std. Deviation	.59005	.50865	.59545	.39831	.67303	.26519	.57002	.53534
		Variance	.348	.259	.355	.159	.453	.070	.325	.287
		Mean	.9426	1.3636	1.2503	1.1789	1.0411	.0578	1.4682	.9625
		N	358	358	358	358	358	358	358	358
	Total	Std. Deviation	.60023	.47731	.51166	.35132	.64562	.20512	.47783	.51280
		Variance	.360	.228	.262	.123	.417	.042	.228	.263
		Mean	1.0190	1.2390	1.2617	1.1637	1.0390	.0823	1.3189	.8983
		N	1679	1679	1679	1679	1679	1679	1679	1679
	Male	Std. Deviation	.59339	.50617	.57848	.38874	.66709	.25385	.55698	.53151
		Variance	.352	.256	.335	.151	.445	.064	.310	.283
		Mean	1.0398	1.2033	1.2726	1.1608	1.0463	.0910	1.2801	.8759
		N	1321	1321	1321	1321	1321	1321	1321	1321
	Fem ale	Std. Deviation	.59478	.51103	.59295	.39897	.67467	.26814	.56895	.53342
		Variance	.354	.261	.352	.159	.455	.072	.324	.285
		Mean	.9447	1.3481	1.2689	1.1786	1.0502	.0584	1.4860	.9676
		N	358	358	358	358	358	358	358	358
	Total	Std. Deviation	.59668	.48827	.51953	.35402	.64405	.20877	.46453	.50481
		Variance	.356	.238	.270	.125	.415	.044	.216	.255
		Mean	1.0196	1.2342	1.2718	1.1646	1.0471	.0841	1.3240	.8955
		N	1679	1679	1679	1679	1679	1679	1679	1679
5	Male	Std. Deviation	.59629	.50958	.57793	.38979	.66808	.25692	.55468	.52864
		Variance	.356	.260	.334	.152	.446	.066	.308	.279
		Mean	1.0422	1.1994	1.2670	1.1641	1.0485	.0913	1.2826	.8822
		N	1321	1321	1321	1321	1321	1321	1321	1321
		Std. Deviation	.59089	.51145	.59531	.39327	.67151	.26950	.56616	.53222
		Variance	.349	.262	.354	.155	.451	.073	.321	.283

Imputation Number	GENDER		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Rec ode_2	SC7_Re code	SC8_Re code
6	Fem ale	Mean	.9409	1.3521	1.2734	1.1785	1.0533	.0634	1.4777	.9425
		N	358	358	358	358	358	358	358	358
		Std. Deviation	.60073	.47977	.51173	.35707	.64601	.21590	.46519	.50862
		Variance	.361	.230	.262	.127	.417	.047	.216	.259
	Total	Mean	1.0206	1.2320	1.2684	1.1672	1.0495	.0854	1.3242	.8950
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59427	.50859	.57836	.38578	.66597	.25920	.55189	.52771
		Variance	.353	.259	.335	.149	.444	.067	.305	.278
	Male	Mean	1.0404	1.1974	1.2667	1.1623	1.0403	.0920	1.2811	.8790
		N	1321	1321	1321	1321	1321	1321	1321	1321
		Std. Deviation	.59307	.50837	.59414	.39713	.67243	.27037	.56760	.53274
		Variance	.352	.258	.353	.158	.452	.073	.322	.284
	Fem ale	Mean	.9439	1.3570	1.2594	1.1783	1.0496	.0589	1.4800	.9753
		N	358	358	358	358	358	358	358	358
		Std. Deviation	.59433	.47635	.51045	.35956	.64716	.21261	.46496	.50666
		Variance	.353	.227	.261	.129	.419	.045	.216	.257
Total	Mean	1.0198	1.2314	1.2651	1.1657	1.0423	.0849	1.3235	.8995	
	N	1679	1679	1679	1679	1679	1679	1679	1679	
	Std. Deviation	.59448	.50581	.57717	.38938	.66694	.25943	.55324	.52862	
	Variance	.353	.256	.333	.152	.445	.067	.306	.279	
7	Male	Mean	1.0486	1.1969	1.2601	1.1631	1.0420	.0927	1.2792	.8782
		N	1321	1321	1321	1321	1321	1321	1321	1321
		Std. Deviation	.59078	.50795	.59657	.39755	.67087	.27235	.56631	.53551
		Variance	.349	.258	.356	.158	.450	.074	.321	.287
	Fem ale	Mean	.9541	1.3649	1.2599	1.1849	1.0600	.0558	1.4691	.9569
		N	358	358	358	358	358	358	358	358

Imputation Number	GENDER		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
8	Total	Std. Deviation	.59615	.47512	.50933	.35387	.64238	.20066	.46206	.50468
		Variance	.355	.226	.259	.125	.413	.040	.213	.255
		Mean	1.0284	1.2327	1.2601	1.1677	1.0459	.0848	1.3197	.8949
		N	1679	1679	1679	1679	1679	1679	1679	1679
	Male	Std. Deviation	.59302	.50569	.57893	.38865	.66475	.25912	.55114	.52992
		Variance	.352	.256	.335	.151	.442	.067	.304	.281
		Mean	1.0417	1.1972	1.2662	1.1649	1.0491	.0942	1.2796	.8788
		N	1321	1321	1321	1321	1321	1321	1321	1321
	Female	Std. Deviation	.59343	.51080	.59597	.39575	.67243	.27219	.57043	.53290
		Variance	.352	.261	.355	.157	.452	.074	.325	.284
		Mean	.9385	1.3627	1.2437	1.1782	1.0521	.0597	1.4674	.9562
		N	358	358	358	358	358	358	358	358
	Total	Std. Deviation	.59883	.47583	.51777	.34757	.64569	.21213	.47446	.50353
		Variance	.359	.226	.268	.121	.417	.045	.225	.254
		Mean	1.0197	1.2325	1.2614	1.1678	1.0497	.0868	1.3196	.8953
		N	1679	1679	1679	1679	1679	1679	1679	1679
9	Total	Std. Deviation	.59591	.50795	.58011	.38592	.66663	.26087	.55658	.52759
		Variance	.355	.258	.337	.149	.444	.068	.310	.278
		Mean	1.0458	1.1962	1.2697	1.1677	1.0401	.0943	1.2810	.8822
		N	1321	1321	1321	1321	1321	1321	1321	1321
	Male	Std. Deviation	.59028	.51013	.59391	.39478	.67203	.27199	.56998	.53711
		Variance	.348	.260	.353	.156	.452	.074	.325	.288
		Mean	.9470	1.3526	1.2654	1.1783	1.0503	.0581	1.4751	.9603
		N	358	358	358	358	358	358	358	358
	Female	Std. Deviation	.60336	.47910	.50764	.35515	.64619	.20901	.46599	.50534
		Variance	.364	.230	.258	.126	.418	.044	.217	.255

Imputation Number	GENDER		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
10	Total	Mean	1.0247	1.2295	1.2688	1.1700	1.0423	.0866	1.3224	.8988
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59430	.50760	.57645	.38659	.66642	.26021	.55506	.53132
		Variance	.353	.258	.332	.149	.444	.068	.308	.282
	Male	Mean	1.0481	1.1950	1.2609	1.1649	1.0407	.0923	1.2769	.8772
		N	1321	1321	1321	1321	1321	1321	1321	1321
		Std. Deviation	.58894	.50757	.59624	.39607	.67490	.26897	.57159	.53381
		Variance	.347	.258	.355	.157	.455	.072	.327	.285
	Female	Mean	.9471	1.3568	1.2651	1.1751	1.0538	.0585	1.4672	.9550
		N	358	358	358	358	358	358	358	358
		Std. Deviation	.60048	.47808	.51746	.35509	.64930	.20813	.47172	.50633
		Variance	.361	.229	.268	.126	.422	.043	.223	.256
	Total	Mean	1.0265	1.2295	1.2618	1.1671	1.0435	.0851	1.3175	.8938
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59269	.50565	.58019	.38762	.66935	.25752	.55716	.52888
		Variance	.351	.256	.337	.150	.448	.066	.310	.280

Appendix K2: Multivariate Cell Variances (Race New)

Imputation Number	RACENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
1	Black	Mean	1.2032	1.2690	1.3594	1.2322	1.1679	.0574	1.3059	.8580
		N	455	455	455	455	455	455	455	455
		Std. Deviation	.49543	.44164	.50209	.34609	.62059	.23903	.57296	.49813
		Variance	.245	.195	.252	.120	.385	.057	.328	.248
	White	Mean	.9385	1.2084	1.2230	1.1352	.9946	.0950	1.3209	.9124
		N	1169	1169	1169	1169	1169	1169	1169	1169
		Std. Deviation	.61381	.53027	.60493	.40668	.67861	.26370	.55322	.54525
		Variance	.377	.281	.366	.165	.461	.070	.306	.297
	Bi- Racial	Mean	1.3470	1.2599	1.3289	1.2512	1.2166	.0694	1.3673	.9580
		N	22	22	22	22	22	22	22	22
		Std. Deviation	.36043	.47389	.57208	.32086	.65787	.24731	.54017	.38837
		Variance	.130	.225	.327	.103	.433	.061	.292	.151
	Other	Mean	1.2045	1.3609	1.3107	1.1789	1.2453	.0765	1.3511	.9921
		N	33	33	33	33	33	33	33	33
		Std. Deviation	.53864	.46649	.59710	.28461	.65239	.25205	.47280	.52215
		Variance	.290	.218	.357	.081	.426	.064	.224	.273
	Total	Mean	1.0208	1.2285	1.2631	1.1639	1.0494	.0841	1.3180	.8998
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59297	.50650	.58100	.39026	.66731	.25714	.55665	.53100
		Variance	.352	.257	.338	.152	.445	.066	.310	.282
2	Black	Mean	1.2007	1.2679	1.3564	1.2297	1.1708	.0565	1.3054	.8501
		N	456	456	456	456	456	456	456	456
		Std. Deviation	.49603	.44361	.50542	.34913	.62012	.23908	.57384	.49908
		Variance	.246	.197	.255	.122	.385	.057	.329	.249
	White	Mean	.9367	1.2044	1.2146	1.1414	.9928	.0944	1.3179	.9034
		N								
		Std. Deviation								
		Variance								

Imputation Number	RACENEW	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
3	N	1167	1167	1167	1167	1167	1167	1167	1167
	Std. Deviation	.61566	.53341	.60277	.40389	.67731	.26399	.55621	.54122
	Variance	.379	.285	.363	.163	.459	.070	.309	.293
	Bi-Racial Mean	1.3554	1.2810	1.3546	1.2802	1.2150	.0678	1.3884	1.0095
	N	22	22	22	22	22	22	22	22
	Std. Deviation	.35473	.49173	.58202	.32073	.65735	.24495	.54299	.39294
	Variance	.126	.242	.339	.103	.432	.060	.295	.154
	Other Mean	1.2205	1.3485	1.3459	1.1790	1.2465	.0689	1.3422	.9419
	N	34	34	34	34	34	34	34	34
	Std. Deviation	.53857	.44967	.56099	.27996	.64538	.23546	.47820	.53342
	Variance	.290	.202	.315	.078	.417	.055	.229	.285
	Total Mean	1.0196	1.2256	1.2576	1.1680	1.0492	.0833	1.3159	.8911
	N	1679	1679	1679	1679	1679	1679	1679	1679
	Std. Deviation	.59444	.50914	.57998	.38849	.66635	.25701	.55907	.52859
	Variance	.353	.259	.336	.151	.444	.066	.313	.279
	Black Mean	1.2007	1.2720	1.3632	1.2305	1.1694	.0537	1.3077	.8561
	N	455	455	455	455	455	455	455	455
	Std. Deviation	.49669	.44336	.50008	.34602	.61894	.23470	.57434	.49833
	Variance	.247	.197	.250	.120	.383	.055	.330	.248
	White Mean	.9375	1.2234	1.2187	1.1352	.9809	.0949	1.3207	.9111
	N	1171	1171	1171	1171	1171	1171	1171	1171
	Std. Deviation	.61386	.52980	.60189	.40442	.67780	.26147	.55297	.54593
	Variance	.377	.281	.362	.164	.459	.068	.306	.298
	Bi-Racial Mean	1.3621	1.2562	1.3474	1.2667	1.1990	.0723	1.3737	.9892
	N	22	22	22	22	22	22	22	22
	Std. Deviation	.35329	.47283	.57673	.31355	.65674	.25212	.53911	.37289

[illegible]

Imputation Number	RACENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
5		Std. Deviation	.59629	.50958	.57793	.38979	.66808	.25692	.55468	.52864
		Variance	.356	.260	.334	.152	.446	.066	.308	.279
	Black	Mean	1.2011	1.2693	1.3611	1.2283	1.1692	.0573	1.3085	.8527
		N	455	455	455	455	455	455	455	455
		Std. Deviation	.49722	.44163	.49844	.34716	.62011	.23902	.57182	.49491
		Variance	.247	.195	.248	.121	.385	.057	.327	.245
	White	Mean	.9390	1.2134	1.2293	1.1412	.9936	.0979	1.3277	.9071
		N	1168	1168	1168	1168	1168	1168	1168	1168
		Std. Deviation	.61575	.53342	.60265	.40081	.67655	.26742	.54659	.54192
		Variance	.379	.285	.363	.161	.458	.072	.299	.294
	Bi- Racial	Mean	1.3541	1.2394	1.3636	1.2768	1.2282	.0502	1.3920	.9803
		N	22	22	22	22	22	22	22	22
		Std. Deviation	.35536	.47600	.59128	.31779	.66422	.23417	.54522	.37154
		Variance	.126	.227	.350	.101	.441	.055	.297	.138
	Other	Mean	1.1903	1.3670	1.3080	1.1711	1.2561	.0559	1.3682	.9942
		N	34	34	34	34	34	34	34	34
		Std. Deviation	.52823	.46119	.58720	.28458	.64852	.21972	.47550	.52171
		Variance	.279	.213	.345	.081	.421	.048	.226	.272
	Total	Mean	1.0206	1.2320	1.2684	1.1672	1.0495	.0854	1.3242	.8950
		N	1679	1679	1679	1679	1679	1679	1679	1679
6		Std. Deviation	.59427	.50859	.57836	.38578	.66597	.25920	.55189	.52771
		Variance	.353	.259	.335	.149	.444	.067	.305	.278
	Black	Mean	1.2016	1.2713	1.3624	1.2299	1.1684	.0573	1.3079	.8604
		N	455	455	455	455	455	455	455	455
		Std. Deviation	.49752	.44285	.49933	.34856	.62210	.24034	.57115	.49513
		Variance	.248	.196	.249	.121	.387	.058	.326	.245

Imputation Number	RACENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
7	White	Mean	.9366	1.2114	1.2247	1.1384	.9848	.0970	1.3273	.9124
		N	1168	1168	1168	1168	1168	1168	1168	1168
		Std. Deviation	.61490	.52919	.60159	.40521	.67687	.26732	.54901	.54313
		Variance	.378	.280	.362	.164	.458	.071	.301	.295
	Bi-Racial	Mean	1.3726	1.2757	1.3210	1.2588	1.1768	.0563	1.3914	.9818
		N	22	22	22	22	22	22	22	22
		Std. Deviation	.35663	.48542	.57410	.31519	.66997	.23471	.54484	.37144
		Variance	.127	.236	.330	.099	.449	.055	.297	.138
	Other	Mean	1.2189	1.3573	1.3180	1.1840	1.2451	.0576	1.3592	.9243
		N	34	34	34	34	34	34	34	34
		Std. Deviation	.53697	.45224	.55455	.28092	.64460	.22036	.46819	.53329
		Variance	.288	.205	.308	.079	.416	.049	.219	.284
	Total	Mean	1.0198	1.2314	1.2651	1.1657	1.0423	.0849	1.3235	.8995
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59448	.50581	.57717	.38938	.66694	.25943	.55324	.52862
		Variance	.353	.256	.333	.152	.445	.067	.306	.279
	Black	Mean	1.2060	1.2681	1.3594	1.2307	1.1695	.0560	1.3080	.8572
		N	455	455	455	455	455	455	455	455
		Std. Deviation	.49496	.44206	.49858	.34744	.61947	.23806	.57187	.49588
		Variance	.245	.195	.249	.121	.384	.057	.327	.246
	White	Mean	.9478	1.2153	1.2187	1.1414	.9891	.0970	1.3229	.9071
		N	1168	1168	1168	1168	1168	1168	1168	1168
		Std. Deviation	.61509	.52986	.60398	.40464	.67521	.26738	.54489	.54445
		Variance	.378	.281	.365	.164	.456	.071	.297	.296
		Mean	1.3648	1.2704	1.3189	1.2403	1.2401	.0687	1.3926	.9820
		N	23	23	23	23	23	23	23	23

Imputation Number	RACENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
8	Bi-Racial	Std. Deviation	.34528	.46762	.56363	.32000	.65339	.24584	.53013	.37306
		Variance	.119	.219	.318	.102	.427	.060	.281	.139
	Other	Mean	1.1990	1.3352	1.3148	1.1808	1.2168	.0592	1.3173	.9230
		N	33	33	33	33	33	33	33	33
		Std. Deviation	.53752	.45543	.56369	.28404	.64430	.22348	.51139	.54668
		Variance	.289	.207	.318	.081	.415	.050	.262	.299
	Total	Mean	1.0284	1.2327	1.2601	1.1677	1.0459	.0848	1.3197	.8949
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59302	.50569	.57893	.38865	.66475	.25912	.55114	.52992
		Variance	.352	.256	.335	.151	.442	.067	.304	.281
	Black	Mean	1.2048	1.2696	1.3559	1.2308	1.1692	.0594	1.3043	.8557
		N	455	455	455	455	455	455	455	455
		Std. Deviation	.49424	.44406	.50043	.34609	.61852	.24204	.57149	.49458
		Variance	.244	.197	.250	.120	.383	.059	.327	.245
	White	Mean	.9354	1.2130	1.2217	1.1407	.9934	.0989	1.3225	.9068
		N	1167	1167	1167	1167	1167	1167	1167	1167
		Std. Deviation	.61779	.53163	.60426	.40137	.67814	.26866	.55366	.54145
		Variance	.382	.283	.365	.161	.460	.072	.307	.293
	Bi-Racial	Mean	1.3396	1.2788	1.3629	1.2650	1.2212	.0689	1.3989	1.0062
		N	22	22	22	22	22	22	22	22
		Std. Deviation	.36885	.48901	.59052	.31354	.65987	.24663	.55098	.38815
		Variance	.136	.239	.349	.098	.435	.061	.304	.151
	Other	Mean	1.2229	1.3720	1.2935	1.1886	1.2664	.0521	1.3712	.9558
		N	35	35	35	35	35	35	35	35
		Std. Deviation	.52916	.45547	.58829	.28387	.64547	.21648	.46630	.53563
		Variance	.280	.207	.346	.081	.417	.047	.217	.287

Imputation Number	RACENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
9	Total	Mean	1.0197	1.2325	1.2614	1.1678	1.0497	.0868	1.3196	.8953
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59591	.50795	.58011	.38592	.66663	.26087	.55658	.52759
		Variance	.355	.258	.337	.149	.444	.068	.310	.278
	Black	Mean	1.1988	1.2676	1.3571	1.2314	1.1645	.0547	1.3008	.8593
		N	455	455	455	455	455	455	455	455
		Std. Deviation	.49722	.44149	.50051	.34645	.61988	.23617	.57265	.49642
		Variance	.247	.195	.251	.120	.384	.056	.328	.246
	White	Mean	.9449	1.2107	1.2323	1.1440	.9854	.0998	1.3289	.9108
		N	1167	1167	1167	1167	1167	1167	1167	1167
		Std. Deviation	.61653	.53189	.59999	.40253	.67745	.26876	.55124	.54606
		Variance	.380	.283	.360	.162	.459	.072	.304	.298
	Bi-Racial	Mean	1.3784	1.2185	1.3534	1.2643	1.1963	.0880	1.3770	.9704
		N	22	22	22	22	22	22	22	22
		Std. Deviation	.36129	.49765	.58102	.31359	.65748	.28772	.53921	.37550
		Variance	.131	.248	.338	.098	.432	.083	.291	.141
	Other	Mean	1.2007	1.3694	1.2850	1.1781	1.2549	.0586	1.3508	.9678
		N	35	35	35	35	35	35	35	35
		Std. Deviation	.52604	.45464	.58822	.27613	.63976	.21928	.46429	.54260
		Variance	.277	.207	.346	.076	.409	.048	.216	.294
Total	Mean	1.0247	1.2295	1.2688	1.1700	1.0423	.0866	1.3224	.8988	
	N	1679	1679	1679	1679	1679	1679	1679	1679	
	Std. Deviation	.59430	.50760	.57645	.38659	.66642	.26021	.55506	.53132	
	Variance	.353	.258	.332	.149	.444	.068	.308	.282	
10	Black	Mean	1.2015	1.2627	1.3565	1.2319	1.1698	.0554	1.3042	.8542
		N	455	455	455	455	455	455	455	455

Imputation Number	RACENEW	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
	Std. Deviation	.49590	.44533	.50426	.34676	.62051	.23745	.57230	.49491
	Variance	.246	.198	.254	.120	.385	.056	.328	.245
White	Mean	.9469	1.2125	1.2230	1.1397	.9849	.0983	1.3195	.9055
	N	1168	1168	1168	1168	1168	1168	1168	1168
	Std. Deviation	.61471	.52828	.60255	.40336	.68057	.26588	.55458	.54372
	Variance	.378	.279	.363	.163	.463	.071	.308	.296
Bi- Racial	Mean	1.3649	1.2493	1.3142	1.2537	1.2375	.0769	1.3900	.9583
	N	23	23	23	23	23	23	23	23
	Std. Deviation	.35245	.47475	.60566	.30921	.64967	.24484	.52932	.37695
	Variance	.124	.225	.367	.096	.422	.060	.280	.142
Other	Mean	1.1976	1.3592	1.2949	1.1799	1.2407	.0333	1.3799	.9818
	N	33	33	33	33	33	33	33	33
	Std. Deviation	.53465	.46628	.60483	.28425	.65601	.19124	.46018	.52466
	Variance	.286	.217	.366	.081	.430	.037	.212	.275
Total	Mean	1.0265	1.2295	1.2618	1.1671	1.0435	.0851	1.3175	.8938
	N	1679	1679	1679	1679	1679	1679	1679	1679
	Std. Deviation	.59269	.50565	.58019	.38762	.66935	.25752	.55716	.52888
	Variance	.351	.256	.337	.150	.448	.066	.310	.280

Appendix K3: Multivariate Cell Variances (Hispanic Origin)

[illegible]

Imputation Number	HISPANIC ORIGIN	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Rec ode_2	SC7_Re code	SC8_Re code	
4	Yes	Std. Deviation	.59558	.50903	.57957	.39038	.66853	.25573	.55839	.53268
		Variance	.355	.259	.336	.152	.447	.065	.312	.284
		Mean	1.2055	1.4244	1.4617	1.2381	1.2872	.0353	1.4060	.9662
		N	46	46	46	46	46	46	46	46
	Total	Std. Deviation	.47842	.34705	.50442	.32010	.56611	.16978	.50204	.48884
		Variance	.229	.120	.254	.102	.320	.029	.252	.239
		Mean	1.0190	1.2390	1.2617	1.1637	1.0390	.0823	1.3189	.8983
		N	1679	1679	1679	1679	1679	1679	1679	1679
	No	Std. Deviation	.59339	.50617	.57848	.38874	.66709	.25385	.55698	.53151
		Variance	.352	.256	.335	.151	.445	.064	.310	.283
		Mean	1.0148	1.2290	1.2672	1.1631	1.0410	.0855	1.3221	.8934
		N	1632	1632	1632	1632	1632	1632	1632	1632
	Yes	Std. Deviation	.59896	.51286	.57948	.39138	.67009	.25897	.55645	.52977
		Variance	.359	.263	.336	.153	.449	.067	.310	.281
		Mean	1.1842	1.4134	1.4322	1.2167	1.2613	.0360	1.3917	.9682
		N	47	47	47	47	47	47	47	47
	Total	Std. Deviation	.47066	.33587	.50070	.32912	.55896	.16621	.48965	.48744
		Variance	.222	.113	.251	.108	.312	.028	.240	.238
		Mean	1.0196	1.2342	1.2718	1.1646	1.0471	.0841	1.3240	.8955
		N	1679	1679	1679	1679	1679	1679	1679	1679
5	No	Std. Deviation	.59629	.50958	.57793	.38979	.66808	.25692	.55468	.52864
		Variance	.356	.260	.334	.152	.446	.066	.308	.279
		Mean	1.0167	1.2271	1.2652	1.1657	1.0439	.0865	1.3223	.8928
		N	1632	1632	1632	1632	1632	1632	1632	1632
		Std. Deviation	.59619	.51049	.57888	.38747	.66766	.26081	.55323	.52890
		Variance	.355	.261	.335	.150	.446	.068	.306	.280

Imputation Number	HISPANIC ORIGIN		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
6	Yes	Mean	1.1536	1.4018	1.3784	1.2184	1.2449	.0479	1.3893	.9721
		N	47	47	47	47	47	47	47	47
		Std. Deviation	.51135	.40632	.55486	.32097	.57718	.19336	.50443	.48319
		Variance	.261	.165	.308	.103	.333	.037	.254	.233
	Total	Mean	1.0206	1.2320	1.2684	1.1672	1.0495	.0854	1.3242	.8950
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59427	.50859	.57836	.38578	.66597	.25920	.55189	.52771
		Variance	.353	.259	.335	.149	.444	.067	.305	.278
	No	Mean	1.0154	1.2271	1.2601	1.1635	1.0362	.0865	1.3218	.8973
		N	1632	1632	1632	1632	1632	1632	1632	1632
		Std. Deviation	.59700	.50895	.57870	.39095	.66866	.26155	.55497	.52952
		Variance	.356	.259	.335	.153	.447	.068	.308	.280
	Yes	Mean	1.1751	1.3842	1.4393	1.2440	1.2551	.0306	1.3836	.9755
		N	47	47	47	47	47	47	47	47
		Std. Deviation	.47902	.35249	.49611	.32414	.57045	.16271	.49078	.49555
		Variance	.229	.124	.246	.105	.325	.026	.241	.246
7	Total	Mean	1.0198	1.2314	1.2651	1.1657	1.0423	.0849	1.3235	.8995
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59448	.50581	.57717	.38938	.66694	.25943	.55324	.52862
		Variance	.353	.256	.333	.152	.445	.067	.306	.279
	No	Mean	1.0233	1.2273	1.2553	1.1656	1.0406	.0863	1.3170	.8920
		N	1632	1632	1632	1632	1632	1632	1632	1632
		Std. Deviation	.59537	.50873	.58029	.39030	.66628	.26121	.55251	.53095
		Variance	.354	.259	.337	.152	.444	.068	.305	.282
	Yes	Mean	1.2071	1.4194	1.4259	1.2396	1.2282	.0337	1.4149	.9969
		N	47	47	47	47	47	47	47	47

Imputation Number	HISPANIC ORIGIN	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Rec ode_2	SC7_Re code	SC8_Re code		
8	Total	Std. Deviation	.47601	.33985	.50770	.32118	.58688	.16507	.49739	.48719	
		Variance	.227	.115	.258	.103	.344	.027	.247	.237	
		Mean	1.0284	1.2327	1.2601	1.1677	1.0459	.0848	1.3197	.8949	
		N	1679	1679	1679	1679	1679	1679	1679	1679	
	No	Std. Deviation	.59302	.50569	.57893	.38865	.66475	.25912	.55114	.52992	
		Variance	.352	.256	.335	.151	.442	.067	.304	.281	
		Mean	1.0151	1.2270	1.2560	1.1662	1.0442	.0881	1.3179	.8930	
		N	1633	1633	1633	1633	1633	1633	1633	1633	
	Yes	Std. Deviation	.59845	.51062	.58143	.38748	.66816	.26277	.55816	.52874	
		Variance	.358	.261	.338	.150	.446	.069	.312	.280	
		Mean	1.1832	1.4271	1.4518	1.2228	1.2466	.0399	1.3812	.9775	
		N	46	46	46	46	46	46	46	46	
	Total	Std. Deviation	.47418	.35404	.50026	.32431	.58288	.17646	.49867	.48302	
		Variance	.225	.125	.250	.105	.340	.031	.249	.233	
		Mean	1.0197	1.2325	1.2614	1.1678	1.0497	.0868	1.3196	.8953	
		N	1679	1679	1679	1679	1679	1679	1679	1679	
	9	No	Std. Deviation	.59591	.50795	.58011	.38592	.66663	.26087	.55658	.52759
			Variance	.355	.258	.337	.149	.444	.068	.310	.278
Mean			1.0213	1.2248	1.2637	1.1686	1.0356	.0878	1.3208	.8974	
N			1631	1631	1631	1631	1631	1631	1631	1631	
Yes		Std. Deviation	.59628	.51072	.57787	.38846	.66854	.26219	.55673	.53240	
		Variance	.356	.261	.334	.151	.447	.069	.310	.283	
		Mean	1.1407	1.3887	1.4434	1.2146	1.2697	.0441	1.3755	.9475	
		N	48	48	48	48	48	48	48	48	
	Std. Deviation	.51460	.35544	.50077	.31647	.54899	.17727	.49720	.49586		
	Variance	.265	.126	.251	.100	.301	.031	.247	.246		

Imputation Number	HISPANIC ORIGIN		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Rec ode_2	SC7_Re code	SC8_Re code
10	Total	Mean	1.0247	1.2295	1.2688	1.1700	1.0423	.0866	1.3224	.8988
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59430	.50760	.57645	.38659	.66642	.26021	.55506	.53132
		Variance	.353	.258	.332	.149	.444	.068	.308	.282
	No	Mean	1.0221	1.2252	1.2567	1.1656	1.0367	.0862	1.3159	.8915
		N	1632	1632	1632	1632	1632	1632	1632	1632
		Std. Deviation	.59504	.50851	.58146	.38836	.67128	.25931	.55881	.52970
		Variance	.354	.259	.338	.151	.451	.067	.312	.281
	Yes	Mean	1.1809	1.3805	1.4402	1.2174	1.2779	.0458	1.3723	.9728
		N	47	47	47	47	47	47	47	47
		Std. Deviation	.48427	.36702	.50836	.36117	.55521	.18233	.49900	.49851
		Variance	.235	.135	.258	.130	.308	.033	.249	.249
	Total	Mean	1.0265	1.2295	1.2618	1.1671	1.0435	.0851	1.3175	.8938
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59269	.50565	.58019	.38762	.66935	.25752	.55716	.52888
		Variance	.351	.256	.337	.150	.448	.066	.310	.280

Imputation Number	CHLD SRVCS HISTORY	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code	
4	Yes	Std. Deviation	.60249	.52852	.59995	.39981	.67161	.23437	.58215	.53393
		Variance	.363	.279	.360	.160	.451	.055	.339	.285
		Mean	1.1605	1.3787	1.3226	1.2181	1.1172	.0926	1.4579	.9847
		N	683	683	683	683	683	683	683	683
	Total	Std. Deviation	.55040	.43580	.54032	.36554	.65307	.27969	.48601	.51629
		Variance	.303	.190	.292	.134	.427	.078	.236	.267
		Mean	1.0190	1.2390	1.2617	1.1637	1.0390	.0823	1.3189	.8983
		N	1679	1679	1679	1679	1679	1679	1679	1679
	No	Std. Deviation	.59339	.50617	.57848	.38874	.66709	.25385	.55698	.53151
		Variance	.352	.256	.335	.151	.445	.064	.310	.283
		Mean	.9165	1.1269	1.2344	1.1271	.9935	.0755	1.2224	.8249
		N	985	985	985	985	985	985	985	985
	Yes	Std. Deviation	.60473	.53286	.59316	.40319	.67044	.23730	.57782	.53374
		Variance	.366	.284	.352	.163	.449	.056	.334	.285
		Mean	1.1658	1.3864	1.3248	1.2177	1.1233	.0963	1.4683	.9956
		N	694	694	694	694	694	694	694	694
	Total	Std. Deviation	.55242	.43133	.55170	.36365	.65770	.28217	.48517	.50501
		Variance	.305	.186	.304	.132	.433	.080	.235	.255
		Mean	1.0196	1.2342	1.2718	1.1646	1.0471	.0841	1.3240	.8955
		N	1679	1679	1679	1679	1679	1679	1679	1679
5	No	Std. Deviation	.59629	.50958	.57793	.38979	.66808	.25692	.55468	.52864
		Variance	.356	.260	.334	.152	.446	.066	.308	.279
		Mean	.9249	1.1290	1.2170	1.1290	.9977	.0799	1.2247	.8388
		N	992	992	992	992	992	992	992	992
		Std. Deviation	.60629	.53350	.59948	.40067	.67089	.24408	.57531	.53103
		Variance	.368	.285	.359	.161	.450	.060	.331	.282

Imputation Number	CHLD SRVCS HISTORY	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code	
8	Total	Std. Deviation	.54954	.42674	.55468	.36196	.65436	.27794	.48142	.51358
		Variance	.302	.182	.308	.131	.428	.077	.232	.264
		Mean	1.0284	1.2327	1.2601	1.1677	1.0459	.0848	1.3197	.8949
		N	1679	1679	1679	1679	1679	1679	1679	1679
	No	Std. Deviation	.59302	.50569	.57893	.38865	.66475	.25912	.55114	.52992
		Variance	.352	.256	.335	.151	.442	.067	.304	.281
		Mean	.9161	1.1257	1.2171	1.1232	.9979	.0836	1.2237	.8356
		N	993	993	993	993	993	993	993	993
	Yes	Std. Deviation	.60647	.52877	.60056	.40480	.66852	.25468	.58015	.53192
		Variance	.368	.280	.361	.164	.447	.065	.337	.283
		Mean	1.1697	1.3871	1.3255	1.2322	1.1247	.0915	1.4584	.9817
		N	686	686	686	686	686	686	686	686
	Total	Std. Deviation	.54696	.43203	.54322	.34712	.65717	.26969	.48867	.50937
		Variance	.299	.187	.295	.120	.432	.073	.239	.259
		Mean	1.0197	1.2325	1.2614	1.1678	1.0497	.0868	1.3196	.8953
		N	1679	1679	1679	1679	1679	1679	1679	1679
9	No	Std. Deviation	.59591	.50795	.58011	.38592	.66663	.26087	.55658	.52759
		Variance	.355	.258	.337	.149	.444	.068	.310	.278
		Mean	.9213	1.1295	1.2320	1.1291	.9848	.0793	1.2350	.8421
		N	1007	1007	1007	1007	1007	1007	1007	1007
	Yes	Std. Deviation	.60459	.53175	.58921	.40080	.67118	.24234	.57784	.53863
		Variance	.366	.283	.347	.161	.450	.059	.334	.290
		Mean	1.1797	1.3794	1.3240	1.2311	1.1285	.0976	1.4533	.9839
		N	672	672	672	672	672	672	672	672
	Std. Deviation	.54322	.42769	.55266	.35587	.65026	.28473	.49116	.50884	
	Variance	.295	.183	.305	.127	.423	.081	.241	.259	

Imputation Number	CHLD SRVCS HISTORY		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
10	Total	Mean	1.0247	1.2295	1.2688	1.1700	1.0423	.0866	1.3224	.8988
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59430	.50760	.57645	.38659	.66642	.26021	.55506	.53132
		Variance	.353	.258	.332	.149	.444	.068	.308	.282
	No	Mean	.9318	1.1250	1.2277	1.1318	.9894	.0826	1.2204	.8400
		N	985	985	985	985	985	985	985	985
		Std. Deviation	.60055	.53182	.59006	.39858	.67246	.25377	.58145	.53547
		Variance	.361	.283	.348	.159	.452	.064	.338	.287
	Yes	Mean	1.1610	1.3778	1.3102	1.2172	1.1202	.0886	1.4553	.9701
		N	694	694	694	694	694	694	694	694
		Std. Deviation	.55462	.42424	.56277	.36598	.65781	.26289	.48907	.51012
		Variance	.308	.180	.317	.134	.433	.069	.239	.260
	Total	Mean	1.0265	1.2295	1.2618	1.1671	1.0435	.0851	1.3175	.8938
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59269	.50565	.58019	.38762	.66935	.25752	.55716	.52888
		Variance	.351	.256	.337	.150	.448	.066	.310	.280

Imputation Number	GANG AFFILIATION	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code	
4	Yes	Std. Deviation	.59833	.50893	.58368	.39001	.66760	.25656	.55790	.53180
		Variance	.358	.259	.341	.152	.446	.066	.311	.283
		Mean	1.1990	1.3453	1.4694	1.2349	1.0833	.0779	1.4931	1.0554
		N	134	134	134	134	134	134	134	134
	Total	Std. Deviation	.50088	.46184	.46891	.36776	.66213	.22099	.51710	.50402
		Variance	.251	.213	.220	.135	.438	.049	.267	.254
		Mean	1.0190	1.2390	1.2617	1.1637	1.0390	.0823	1.3189	.8983
		N	1679	1679	1679	1679	1679	1679	1679	1679
	No	Std. Deviation	.59339	.50617	.57848	.38874	.66709	.25385	.55698	.53151
		Variance	.352	.256	.335	.151	.445	.064	.310	.283
		Mean	1.0039	1.2253	1.2540	1.1583	1.0392	.0840	1.3090	.8804
		N	1543	1543	1543	1543	1543	1543	1543	1543
	Yes	Std. Deviation	.60123	.51065	.58238	.39103	.66973	.25881	.55663	.52890
		Variance	.361	.261	.339	.153	.449	.067	.310	.280
		Mean	1.1971	1.3349	1.4734	1.2362	1.1369	.0855	1.4942	1.0666
		N	136	136	136	136	136	136	136	136
	Total	Std. Deviation	.50597	.48783	.48265	.36930	.64457	.23536	.50344	.49627
		Variance	.256	.238	.233	.136	.415	.055	.253	.246
		Mean	1.0196	1.2342	1.2718	1.1646	1.0471	.0841	1.3240	.8955
		N	1679	1679	1679	1679	1679	1679	1679	1679
5	No	Std. Deviation	.59629	.50958	.57793	.38979	.66808	.25692	.55468	.52864
		Variance	.356	.260	.334	.152	.446	.066	.308	.279
		Mean	.9990	1.2231	1.2519	1.1561	1.0392	.0870	1.3079	.8797
		N	1569	1569	1569	1569	1569	1569	1569	1569
		Std. Deviation	.59940	.51005	.58129	.39071	.66615	.26127	.55309	.52679
		Variance	.359	.260	.338	.153	.444	.068	.306	.278

[illegible]

Imputation Number	GANG AFFILIATION	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code		
8	Total	Std. Deviation	.38452	.45960	.48323	.25881	.62022	.25009	.46544	.49055	
		Variance	.148	.211	.234	.067	.385	.063	.217	.241	
		Mean	1.0284	1.2327	1.2601	1.1677	1.0459	.0848	1.3197	.8949	
		N	1679	1679	1679	1679	1679	1679	1679	1679	
	No	Std. Deviation	.59302	.50569	.57893	.38865	.66475	.25912	.55114	.52992	
		Variance	.352	.256	.335	.151	.442	.067	.304	.281	
		Mean	.9976	1.2239	1.2453	1.1561	1.0355	.0882	1.3040	.8818	
		N	1569	1569	1569	1569	1569	1569	1569	1569	
	Yes	Std. Deviation	.60178	.51039	.58395	.39105	.66770	.26302	.55832	.52801	
		Variance	.362	.260	.341	.153	.446	.069	.312	.279	
		Mean	1.3355	1.3558	1.4909	1.3335	1.2533	.0669	1.5430	1.0878	
		N	110	110	110	110	110	110	110	110	
	Total	Std. Deviation	.38670	.45639	.46724	.25149	.61898	.22801	.48049	.48426	
		Variance	.150	.208	.218	.063	.383	.052	.231	.235	
		Mean	1.0197	1.2325	1.2614	1.1678	1.0497	.0868	1.3196	.8953	
		N	1679	1679	1679	1679	1679	1679	1679	1679	
	9	No	Std. Deviation	.59591	.50795	.58011	.38592	.66663	.26087	.55658	.52759
			Variance	.355	.258	.337	.149	.444	.068	.310	.278
Mean			1.0101	1.2195	1.2529	1.1653	1.0352	.0861	1.3062	.8829	
N			1538	1538	1538	1538	1538	1538	1538	1538	
Yes		Std. Deviation	.59798	.51090	.57953	.38754	.66675	.26099	.55701	.53171	
		Variance	.358	.261	.336	.150	.445	.068	.310	.283	
		Mean	1.1844	1.3392	1.4424	1.2206	1.1200	.0917	1.4985	1.0725	
		N	141	141	141	141	141	141	141	141	
	Std. Deviation	.52870	.45759	.51230	.37367	.66020	.25234	.50234	.49654		
	Variance	.280	.209	.262	.140	.436	.064	.252	.247		

Imputation Number	GANG AFFILIATION		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
10	Total	Mean	1.0247	1.2295	1.2688	1.1700	1.0423	.0866	1.3224	.8988
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59430	.50760	.57645	.38659	.66642	.26021	.55506	.53132
		Variance	.353	.258	.332	.149	.444	.068	.308	.282
	No	Mean	1.0050	1.2194	1.2475	1.1565	1.0285	.0871	1.3023	.8808
		N	1568	1568	1568	1568	1568	1568	1568	1568
		Std. Deviation	.59730	.50768	.58319	.39185	.66950	.25958	.55828	.52805
		Variance	.357	.258	.340	.154	.448	.067	.312	.279
	Yes	Mean	1.3309	1.3718	1.4636	1.3162	1.2551	.0563	1.5322	1.0773
		N	111	111	111	111	111	111	111	111
		Std. Deviation	.41972	.45484	.49590	.28389	.63325	.22551	.49568	.50824
		Variance	.176	.207	.246	.081	.401	.051	.246	.258
	Total	Mean	1.0265	1.2295	1.2618	1.1671	1.0435	.0851	1.3175	.8938
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59269	.50565	.58019	.38762	.66935	.25752	.55716	.52888
		Variance	.351	.256	.337	.150	.448	.066	.310	.280

Appendix K6: Multivariate Cell Variances (Offence Type New)

[illegible]

Imputation Number	OFFTYPENEW	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code	
3	Drugs	Std. Deviation	.58621	.50477	.49506	.45340	.64860	.28943	.57033	.57544
		Variance	.344	.255	.245	.206	.421	.084	.325	.331
		Mean	1.0921	1.1282	1.1555	1.1731	1.3552	.1030	1.0840	.8127
		N	176	176	176	176	176	176	176	176
	Property	Std. Deviation	.55836	.51327	.63843	.30450	.46583	.28885	.60819	.50785
		Variance	.312	.263	.408	.093	.217	.083	.370	.258
		Mean	1.1029	1.2192	1.2596	1.2270	1.0953	.0837	1.2959	.9003
		N	797	797	797	797	797	797	797	797
	Violent	Std. Deviation	.57777	.50609	.56583	.33025	.65828	.26729	.56553	.51656
		Variance	.334	.256	.320	.109	.433	.071	.320	.267
		Mean	.9879	1.2596	1.2640	1.1082	.9416	.0581	1.4383	.8986
		N	544	544	544	544	544	544	544	544
	Total	Std. Deviation	.58644	.51059	.60067	.45196	.69673	.21397	.49724	.53735
		Variance	.344	.261	.361	.204	.485	.046	.247	.289
		Mean	1.0196	1.2256	1.2576	1.1680	1.0492	.0833	1.3159	.8911
		N	1679	1679	1679	1679	1679	1679	1679	1679
	Minor Offence	Std. Deviation	.59444	.50914	.57998	.38849	.66635	.25701	.55907	.52859
		Variance	.353	.259	.336	.151	.444	.066	.313	.279
		Mean	.6349	1.2737	1.3394	1.0845	.7824	.1489	1.2584	.9846
		N	158	158	158	158	158	158	158	158
	Drugs	Std. Deviation	.58689	.52113	.50137	.45091	.63569	.29410	.59619	.58277
		Variance	.344	.272	.251	.203	.404	.086	.355	.340
		Mean	1.0664	1.1740	1.1796	1.1558	1.3667	.0944	1.1208	.8420
		N								

Imputation Number	OFFTYPENEW	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
4	N	179	179	179	179	179	179	179	179
	Std. Deviation	.56235	.50525	.61918	.32463	.44244	.27542	.60209	.50362
	Varianc e	.316	.255	.383	.105	.196	.076	.363	.254
	Property Mean	1.1004	1.2267	1.2643	1.2250	1.0937	.0803	1.2837	.8866
	N	795	795	795	795	795	795	795	795
	Std. Deviation	.57699	.50387	.57063	.33024	.66044	.25595	.56365	.51982
	Varianc e	.333	.254	.326	.109	.436	.066	.318	.270
	Violent Mean	.9961	1.2682	1.2623	1.0998	.9262	.0621	1.4523	.9088
	N	547	547	547	547	547	547	547	547
	Std. Deviation	.58503	.50407	.59473	.44903	.69424	.22677	.48729	.53983
	Varianc e	.342	.254	.354	.202	.482	.051	.237	.291
	Total Mean	1.0190	1.2390	1.2617	1.1637	1.0390	.0823	1.3189	.8983
	N	1679	1679	1679	1679	1679	1679	1679	1679
	Std. Deviation	.59339	.50617	.57848	.38874	.66709	.25385	.55698	.53151
	Varianc e	.352	.256	.335	.151	.445	.064	.310	.283
	Minor Offence Mean	.6406	1.2407	1.3594	1.0575	.8305	.1547	1.2714	.9738
	N	156	156	156	156	156	156	156	156
	Std. Deviation	.59200	.50490	.51013	.44649	.63861	.31617	.56250	.55078
	Varianc e	.350	.255	.260	.199	.408	.100	.316	.303
	Drugs Mean	1.0660	1.1680	1.1789	1.1589	1.3964	.1112	1.1168	.8014
	N	175	175	175	175	175	175	175	175
	Std. Deviation	.55737	.51903	.62727	.31024	.42073	.29419	.61060	.50938
	Varianc e	.311	.269	.393	.096	.177	.087	.373	.259

Imputation Number	OFFTYPENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
5	Property	Mean	1.1138	1.2306	1.2695	1.2302	1.0992	.0829	1.2951	.8902
		N	807	807	807	807	807	807	807	807
		Std. Deviation	.57638	.50116	.56371	.32673	.66448	.25794	.56258	.52122
		Varianc e	.332	.251	.318	.107	.442	.067	.316	.272
	Violent	Mean	.9733	1.2592	1.2800	1.0994	.9189	.0567	1.4493	.9111
		N	541	541	541	541	541	541	541	541
		Std. Deviation	.59220	.51960	.59752	.45885	.69293	.21633	.49093	.53599
		Varianc e	.351	.270	.357	.211	.480	.047	.241	.287
	Total	Mean	1.0196	1.2342	1.2718	1.1646	1.0471	.0841	1.3240	.8955
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59629	.50958	.57793	.38979	.66808	.25692	.55468	.52864
		Varianc e	.356	.260	.334	.152	.446	.066	.308	.279
	Minor Offence	Mean	.5915	1.2486	1.3738	1.0352	.8396	.1513	1.2799	.9362
		N	149	149	149	149	149	149	149	149
		Std. Deviation	.57855	.51617	.48321	.43794	.65256	.28940	.56871	.58201
		Varianc e	.335	.266	.233	.192	.426	.084	.323	.339
	Drugs	Mean	1.0738	1.1709	1.1575	1.1956	1.3888	.1173	1.1165	.8280
		N	181	181	181	181	181	181	181	181
		Std. Deviation	.54820	.50322	.62774	.31825	.42344	.31321	.60637	.49212
		Varianc e	.301	.253	.394	.101	.179	.098	.368	.242
	Property	Mean	1.1157	1.2321	1.2702	1.2277	1.0923	.0872	1.2969	.9021
		N	813	813	813	813	813	813	813	813
		Std. Deviation	.57460	.50289	.56537	.32777	.65776	.26979	.55944	.51668

[illegible]

Imputation Number	OFFTYPENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
7	Total	Std. Deviation	.58719	.51130	.59216	.45061	.69097	.20322	.48538	.53656
		Varianc e	.345	.261	.351	.203	.477	.041	.236	.288
		Mean	1.0198	1.2314	1.2651	1.1657	1.0423	.0849	1.3235	.8995
		N	1679	1679	1679	1679	1679	1679	1679	1679
	Minor Offence	Std. Deviation	.59448	.50581	.57717	.38938	.66694	.25943	.55324	.52862
		Varianc e	.353	.256	.333	.152	.445	.067	.306	.279
		Mean	.6870	1.2835	1.3306	1.0619	.7942	.1767	1.2537	.9488
		N	158	158	158	158	158	158	158	158
	Drugs	Std. Deviation	.61238	.49638	.49982	.43623	.63049	.34894	.56178	.58441
		Varianc e	.375	.246	.250	.190	.398	.122	.316	.342
		Mean	1.1090	1.1506	1.1358	1.1707	1.3719	.1044	1.0894	.7983
		N	177	177	177	177	177	177	177	177
	Property	Std. Deviation	.55367	.51316	.63078	.32165	.43223	.28792	.60951	.50669
		Varianc e	.307	.263	.398	.103	.187	.083	.372	.257
		Mean	1.1050	1.2207	1.2737	1.2261	1.0961	.0867	1.2977	.8990
		N	799	799	799	799	799	799	799	799
	Violent	Std. Deviation	.57853	.49980	.56703	.33283	.66023	.26411	.55754	.51691
		Varianc e	.335	.250	.322	.111	.436	.070	.311	.267
		Mean	.9891	1.2622	1.2600	1.1119	.9393	.0491	1.4459	.9047
		N	545	545	545	545	545	545	545	545
	Total	Std. Deviation	.58331	.51190	.59550	.45127	.69309	.19738	.48428	.53722
		Varianc e	.340	.262	.355	.204	.480	.039	.235	.289
		Mean	1.0284	1.2327	1.2601	1.1677	1.0459	.0848	1.3197	.8949
		N								

Imputation Number	OFFTYPENEW	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
8	N	1679	1679	1679	1679	1679	1679	1679	1679
	Std. Deviation	.59302	.50569	.57893	.38865	.66475	.25912	.55114	.52992
	Varianc e	.352	.256	.335	.151	.442	.067	.304	.281
	Mean	.7280	1.2688	1.3539	1.0759	.8827	.1542	1.2188	.9251
	N	167	167	167	167	167	167	167	167
	Std. Deviation	.62747	.49299	.47073	.43563	.65945	.30604	.56707	.56145
	Varianc e	.394	.243	.222	.190	.435	.094	.322	.315
	Mean	1.0596	1.1606	1.1628	1.1848	1.3913	.0982	1.0955	.7788
	N	176	176	176	176	176	176	176	176
	Std. Deviation	.56951	.50158	.63019	.31402	.42131	.27908	.60915	.49889
	Varianc e	.324	.252	.397	.099	.178	.078	.371	.249
	Mean	1.1012	1.2287	1.2724	1.2292	1.0896	.0867	1.3020	.9072
	N	799	799	799	799	799	799	799	799
	Std. Deviation	.57838	.50596	.56795	.32783	.66131	.26705	.56171	.51766
	Varianc e	.335	.256	.323	.107	.437	.071	.316	.268
	Mean	.9761	1.2505	1.2486	1.0993	.9303	.0623	1.4507	.9065
	N	537	537	537	537	537	537	537	537
	Std. Deviation	.58906	.51649	.60728	.44969	.69557	.22442	.49190	.53710
	Varianc e	.347	.267	.369	.202	.484	.050	.242	.288
	Mean	1.0197	1.2325	1.2614	1.1678	1.0497	.0868	1.3196	.8953
	N	1679	1679	1679	1679	1679	1679	1679	1679
	Std. Deviation	.59591	.50795	.58011	.38592	.66663	.26087	.55658	.52759
	Varianc e	.355	.258	.337	.149	.444	.068	.310	.278

Imputation Number	OFFTYPENEW		SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code
9	Minor Offence	Mean	.6133	1.2690	1.3577	1.0496	.8115	.1556	1.2849	.9870
		N	151	151	151	151	151	151	151	151
		Std. Deviation	.59892	.51073	.47717	.43735	.64653	.30213	.57925	.57760
		Varianc e	.359	.261	.228	.191	.418	.091	.336	.334
	Drugs	Mean	1.1135	1.1569	1.2024	1.1722	1.3952	.1066	1.1245	.8333
		N	181	181	181	181	181	181	181	181
		Std. Deviation	.54925	.50763	.61549	.32474	.42197	.28886	.61164	.50010
		Varianc e	.302	.258	.379	.105	.178	.083	.374	.250
	Property	Mean	1.1041	1.2212	1.2572	1.2326	1.0902	.0871	1.2845	.8960
		N	801	801	801	801	801	801	801	801
		Std. Deviation	.57853	.50527	.56953	.32698	.66048	.26812	.56199	.51851
		Varianc e	.335	.255	.324	.107	.436	.072	.316	.269
	Violent	Mean	.9926	1.2549	1.2833	1.1106	.9189	.0602	1.4539	.9004
		N	546	546	546	546	546	546	546	546
		Std. Deviation	.58133	.50864	.59594	.44991	.69172	.21934	.48603	.54451
		Varianc e	.338	.259	.355	.202	.478	.048	.236	.296
	Total	Mean	1.0247	1.2295	1.2688	1.1700	1.0423	.0866	1.3224	.8988
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59430	.50760	.57645	.38659	.66642	.26021	.55506	.53132
		Varianc e	.353	.258	.332	.149	.444	.068	.308	.282
10	Minor Offence	Mean	.7027	1.2380	1.3596	1.0938	.8125	.1340	1.2670	.9792
		N	159	159	159	159	159	159	159	159
		Std. Deviation	.61417	.51462	.49073	.43920	.64942	.27753	.57861	.56721

Imputation Number	OFFTYPENEW	SC1_Re code	SC2_Re code	SC3_Re code	SC4_Re code	SC5_Re code	SC6_Re code_2	SC7_Re code	SC8_Re code	
	Varianc e	.377	.265	.241	.193	.422	.077	.335	.322	
	Drugs	Mean	1.0946	1.1721	1.1931	1.1864	1.3763	.1007	1.1459	.8212
		N	192	192	192	192	192	192	192	192
		Std. Deviation	.55280	.50312	.61577	.31968	.44289	.27767	.60004	.50447
	Varianc e	.306	.253	.379	.102	.196	.077	.360	.254	
	Property	Mean	1.1084	1.2198	1.2573	1.2180	1.0828	.0819	1.2829	.8890
		N	791	791	791	791	791	791	791	791
		Std. Deviation	.57508	.50209	.57393	.33413	.66429	.25778	.56859	.51947
	Varianc e	.331	.252	.329	.112	.441	.066	.323	.270	
	Violent	Mean	.9776	1.2619	1.2641	1.1067	.9350	.0698	1.4448	.9016
		N	537	537	537	537	537	537	537	537
		Std. Deviation	.58918	.50816	.59806	.45093	.69887	.24174	.48890	.53692
	Varianc e	.347	.258	.358	.203	.488	.058	.239	.288	
	Total	Mean	1.0265	1.2295	1.2618	1.1671	1.0435	.0851	1.3175	.8938
		N	1679	1679	1679	1679	1679	1679	1679	1679
		Std. Deviation	.59269	.50565	.58019	.38762	.66935	.25752	.55716	.52888
	Varianc e	.351	.256	.337	.150	.448	.066	.310	.280	

Appendix L1: Mahalanobis Distances (Males)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	22.70955	1	4.2	4.2	4.2
		22.92786	1	4.2	4.2	8.3
		22.99251	1	4.2	4.2	12.5
		24.21261	1	4.2	4.2	16.7
		24.38501	1	4.2	4.2	20.8
		25.33484	1	4.2	4.2	25.0
		25.72429	1	4.2	4.2	29.2
		26.50560	1	4.2	4.2	33.3
		35.37223	1	4.2	4.2	37.5
		37.01901	1	4.2	4.2	41.7
		37.22526	1	4.2	4.2	45.8
		37.49439	1	4.2	4.2	50.0
		37.65699	1	4.2	4.2	54.2
		37.86728	1	4.2	4.2	58.3
		38.10291	1	4.2	4.2	62.5
		38.59804	1	4.2	4.2	66.7
		38.72909	1	4.2	4.2	70.8
		39.36200	1	4.2	4.2	75.0
		41.18596	1	4.2	4.2	79.2
		44.09329	1	4.2	4.2	83.3
		44.57576	1	4.2	4.2	87.5
		46.12397	1	4.2	4.2	91.7
		49.70969	1	4.2	4.2	95.8
		51.82734	1	4.2	4.2	100.0
		Total	24	100.0	100.0	
2	Valid	22.82614	1	4.0	4.0	4.0
		22.87271	1	4.0	4.0	8.0
		23.23137	1	4.0	4.0	12.0
		23.59320	1	4.0	4.0	16.0
		24.47767	1	4.0	4.0	20.0
		24.76034	1	4.0	4.0	24.0
		25.58321	1	4.0	4.0	28.0
		26.20169	1	4.0	4.0	32.0
		27.17458	1	4.0	4.0	36.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
3	Valid	35.81198	1	4.0	40.0
		37.52065	1	4.0	44.0
		37.54641	1	4.0	48.0
		37.82105	1	4.0	52.0
		38.05183	1	4.0	56.0
		38.12034	1	4.0	60.0
		38.35771	1	4.0	64.0
		38.93446	1	4.0	68.0
		39.00480	1	4.0	72.0
		39.58502	1	4.0	76.0
		41.87800	1	4.0	80.0
		44.16095	1	4.0	84.0
		44.34402	1	4.0	88.0
		46.58235	1	4.0	92.0
		49.67768	1	4.0	96.0
		53.07612	1	4.0	100.0
		Total	25	100.0	
		22.51001	1	3.8	3.8
		22.65848	1	3.8	7.7
		22.82637	1	3.8	11.5
		22.89976	1	3.8	15.4
		23.81895	1	3.8	19.2
		24.58864	1	3.8	23.1
		24.62245	1	3.8	26.9
		25.17788	1	3.8	30.8
		25.76556	1	3.8	34.6
		27.17050	1	3.8	38.5
		36.35423	1	3.8	42.3
		38.16787	1	3.8	46.2
		38.22736	1	3.8	50.0
		38.23216	1	3.8	53.8
		38.40378	1	3.8	57.7
		38.49442	1	3.8	61.5
		38.89090	1	3.8	65.4
		39.26372	1	3.8	69.2
		39.47815	1	3.8	73.1

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
4	Valid	39.94346	1	3.8	76.9
		42.20972	1	3.8	80.8
		44.29473	1	3.8	84.6
		45.12071	1	3.8	88.5
		46.13549	1	3.8	92.3
		49.45029	1	3.8	96.2
		52.68996	1	3.8	100.0
		Total	26	100.0	
		22.54596	1	4.2	4.2
		22.91852	1	4.2	8.3
		23.82145	1	4.2	12.5
		24.30233	1	4.2	16.7
		24.67571	1	4.2	20.8
		24.94314	1	4.2	25.0
		25.77581	1	4.2	29.2
		26.94692	1	4.2	33.3
		35.78004	1	4.2	37.5
		37.20302	1	4.2	41.7
		37.24982	1	4.2	45.8
		37.27563	1	4.2	50.0
		37.54713	1	4.2	54.2
		37.74990	1	4.2	58.3
		37.99805	1	4.2	62.5
		38.67980	1	4.2	66.7
		38.68971	1	4.2	70.8
		39.17713	1	4.2	75.0
		41.61940	1	4.2	79.2
		43.52480	1	4.2	83.3
		44.56731	1	4.2	87.5
		45.93007	1	4.2	91.7
		49.03242	1	4.2	95.8
		52.37079	1	4.2	100.0
		Total	24	100.0	
5	Valid	22.47437	1	4.0	4.0
		22.76195	1	4.0	8.0
		22.86200	1	4.0	12.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent		
6	Valid	23.21474	1	4.0	4.0	16.0	
		24.40724	1	4.0	4.0	20.0	
		24.45954	1	4.0	4.0	24.0	
		25.17970	1	4.0	4.0	28.0	
		26.20485	1	4.0	4.0	32.0	
		26.74862	1	4.0	4.0	36.0	
		35.37093	1	4.0	4.0	40.0	
		36.89670	1	4.0	4.0	44.0	
		37.24229	1	4.0	4.0	48.0	
		37.56643	1	4.0	4.0	52.0	
		37.66301	1	4.0	4.0	56.0	
		37.82384	1	4.0	4.0	60.0	
		37.86515	1	4.0	4.0	64.0	
		38.50693	1	4.0	4.0	68.0	
		38.64478	1	4.0	4.0	72.0	
		39.02617	1	4.0	4.0	76.0	
		41.17350	1	4.0	4.0	80.0	
		43.83033	1	4.0	4.0	84.0	
		44.08569	1	4.0	4.0	88.0	
		45.76133	1	4.0	4.0	92.0	
		49.34445	1	4.0	4.0	96.0	
		51.95629	1	4.0	4.0	100.0	
		Total	25	100.0	100.0		
		Missing	22.61925	1	4.2	4.2	4.2
			23.16551	1	4.2	4.2	8.3
	23.38045		1	4.2	4.2	12.5	
	24.38201		1	4.2	4.2	16.7	
	24.59174		1	4.2	4.2	20.8	
	25.05657		1	4.2	4.2	25.0	
	26.08926		1	4.2	4.2	29.2	
	26.61872		1	4.2	4.2	33.3	
	35.15537		1	4.2	4.2	37.5	
	36.68027		1	4.2	4.2	41.7	
	36.81879		1	4.2	4.2	45.8	
	37.01461	1	4.2	4.2	50.0		
	37.16204	1	4.2	4.2	54.2		

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
7	Valid	37.24797	1	4.2	58.3
		37.51315	1	4.2	62.5
		38.17716	1	4.2	66.7
		38.30673	1	4.2	70.8
		38.46209	1	4.2	75.0
		41.12939	1	4.2	79.2
		42.68782	1	4.2	83.3
		43.93794	1	4.2	87.5
		45.63944	1	4.2	91.7
		49.17834	1	4.2	95.8
		52.15281	1	4.2	100.0
		Total	24	100.0	
		22.62412	1	4.3	4.3
		22.76714	1	4.3	8.7
		24.07532	1	4.3	13.0
		24.36856	1	4.3	17.4
		24.76012	1	4.3	21.7
		25.50386	1	4.3	26.1
		26.89110	1	4.3	30.4
		34.62748	1	4.3	34.8
		36.10136	1	4.3	39.1
		36.10909	1	4.3	43.5
		36.32095	1	4.3	47.8
		36.48592	1	4.3	52.2
		36.73139	1	4.3	56.5
		36.82246	1	4.3	60.9
		37.28527	1	4.3	65.2
		37.74187	1	4.3	69.6
		38.16553	1	4.3	73.9
		40.45645	1	4.3	78.3
		42.37957	1	4.3	82.6
		43.34402	1	4.3	87.0
		45.65685	1	4.3	91.3
		48.32214	1	4.3	95.7
		52.00776	1	4.3	100.0
		Total	23	100.0	

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
8	Valid	22.92523	1	4.3	4.3	4.3
		23.17260	1	4.3	4.3	8.7
		23.96994	1	4.3	4.3	13.0
		24.05076	1	4.3	4.3	17.4
		24.93324	1	4.3	4.3	21.7
		25.80370	1	4.3	4.3	26.1
		26.21286	1	4.3	4.3	30.4
		34.83955	1	4.3	4.3	34.8
		36.43891	1	4.3	4.3	39.1
		36.51555	1	4.3	4.3	43.5
		36.88417	1	4.3	4.3	47.8
		36.91236	1	4.3	4.3	52.2
		36.91780	1	4.3	4.3	56.5
		37.17030	1	4.3	4.3	60.9
		37.70261	1	4.3	4.3	65.2
		38.01298	1	4.3	4.3	69.6
		38.22121	1	4.3	4.3	73.9
		41.10153	1	4.3	4.3	78.3
		43.14184	1	4.3	4.3	82.6
		43.74637	1	4.3	4.3	87.0
		45.06849	1	4.3	4.3	91.3
		48.44346	1	4.3	4.3	95.7
		51.04801	1	4.3	4.3	100.0
		Total	23	100.0	100.0	
9	Valid	22.79887	1	4.3	4.3	4.3
		23.16597	1	4.3	4.3	8.7
		23.85769	1	4.3	4.3	13.0
		24.38358	1	4.3	4.3	17.4
		25.13240	1	4.3	4.3	21.7
		26.28286	1	4.3	4.3	26.1
		26.53822	1	4.3	4.3	30.4
		34.42938	1	4.3	4.3	34.8
		36.34892	1	4.3	4.3	39.1
		36.60222	1	4.3	4.3	43.5
		36.69788	1	4.3	4.3	47.8
		36.85770	1	4.3	4.3	52.2

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent	
10	Valid	36.98706	1	4.3	4.3	56.5
		37.40632	1	4.3	4.3	60.9
		38.04813	1	4.3	4.3	65.2
		38.47468	1	4.3	4.3	69.6
		38.73278	1	4.3	4.3	73.9
		40.91522	1	4.3	4.3	78.3
		42.68572	1	4.3	4.3	82.6
		42.80062	1	4.3	4.3	87.0
		44.75366	1	4.3	4.3	91.3
		48.84837	1	4.3	4.3	95.7
		51.39528	1	4.3	4.3	100.0
		Total	23	100.0	100.0	
		22.54953	1	4.2	4.2	4.2
		23.28378	1	4.2	4.2	8.3
		23.29116	1	4.2	4.2	12.5
		24.32714	1	4.2	4.2	16.7
		24.74110	1	4.2	4.2	20.8
		25.14603	1	4.2	4.2	25.0
		26.17342	1	4.2	4.2	29.2
		27.28324	1	4.2	4.2	33.3
		35.41028	1	4.2	4.2	37.5
		37.19813	1	4.2	4.2	41.7
		37.27122	1	4.2	4.2	45.8
	37.33637	1	4.2	4.2	50.0	
	37.36677	1	4.2	4.2	54.2	
	37.46999	1	4.2	4.2	58.3	
	38.09463	1	4.2	4.2	62.5	
	38.10034	1	4.2	4.2	66.7	
	38.70006	1	4.2	4.2	70.8	
	39.53187	1	4.2	4.2	75.0	
	41.67840	1	4.2	4.2	79.2	
	43.75755	1	4.2	4.2	83.3	
	44.15042	1	4.2	4.2	87.5	
46.02359	1	4.2	4.2	91.7		
48.87334	1	4.2	4.2	95.8		
52.57508	1	4.2	4.2	100.0		

Imputation Number	Frequency	Percent	Valid Percent	Cumulative Percent
Total	24	100.0	100.0	

Appendix L2: Mahalanobis Distances (Females)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	28.73361	1	14.3	14.3	14.3
		31.41895	1	14.3	14.3	28.6
		31.63503	1	14.3	14.3	42.9
		34.41055	1	14.3	14.3	57.1
		60.30450	1	14.3	14.3	71.4
		64.21154	1	14.3	14.3	85.7
		67.21301	1	14.3	14.3	100.0
		Total	7	100.0	100.0	
2	Valid	22.91550	1	12.5	12.5	12.5
		26.84087	1	12.5	12.5	25.0
		29.03972	1	12.5	12.5	37.5
		29.36304	1	12.5	12.5	50.0
		32.34333	1	12.5	12.5	62.5
		56.15890	1	12.5	12.5	75.0
		60.27795	1	12.5	12.5	87.5
		64.20713	1	12.5	12.5	100.0
		Total	8	100.0	100.0	
3	Valid	22.51037	1	12.5	12.5	12.5
		30.48625	1	12.5	12.5	25.0
		33.06336	1	12.5	12.5	37.5
		34.08126	1	12.5	12.5	50.0
		35.73696	1	12.5	12.5	62.5
		63.30422	1	12.5	12.5	75.0
		66.33917	1	12.5	12.5	87.5
		68.51955	1	12.5	12.5	100.0
		Total	8	100.0	100.0	
4	Valid	23.21673	1	12.5	12.5	12.5
		28.72938	1	12.5	12.5	25.0
		31.67163	1	12.5	12.5	37.5
		32.71312	1	12.5	12.5	50.0
		34.25115	1	12.5	12.5	62.5
		61.07960	1	12.5	12.5	75.0
		65.04774	1	12.5	12.5	87.5
		67.87183	1	12.5	12.5	100.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
5	Valid	Total	8	100.0	100.0
		22.56181	1	12.5	12.5
		27.61788	1	12.5	25.0
		30.01207	1	12.5	37.5
		31.19926	1	12.5	50.0
		32.03981	1	12.5	62.5
		58.84114	1	12.5	75.0
		62.73047	1	12.5	87.5
		65.99818	1	12.5	100.0
		Total	8	100.0	100.0
6	Valid	22.46385	1	11.1	11.1
		22.58294	1	11.1	22.2
		28.20109	1	11.1	33.3
		30.82969	1	11.1	44.4
		32.03253	1	11.1	55.6
		32.14625	1	11.1	66.7
		58.87567	1	11.1	77.8
		62.65109	1	11.1	88.9
		65.02794	1	11.1	100.0
		Total	9	100.0	100.0
7	Valid	23.16951	1	12.5	12.5
		30.90841	1	12.5	25.0
		33.57979	1	12.5	37.5
		33.66610	1	12.5	50.0
		35.60464	1	12.5	62.5
		64.53331	1	12.5	75.0
		67.93434	1	12.5	87.5
		72.22983	1	12.5	100.0
8	Valid	Total	8	100.0	100.0
		23.11627	1	12.5	12.5
		28.32620	1	12.5	25.0
		30.96314	1	12.5	37.5
		32.06785	1	12.5	50.0
		34.24476	1	12.5	62.5
		59.36454	1	12.5	75.0
		63.31157	1	12.5	87.5

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
9	Valid	65.77585	1	12.5	100.0
		Total	8	100.0	100.0
		29.28605	1	14.3	14.3
		32.20566	1	14.3	28.6
		32.20635	1	14.3	42.9
		34.27222	1	14.3	57.1
		61.52286	1	14.3	71.4
		64.11775	1	14.3	85.7
		68.59479	1	14.3	100.0
		Total	7	100.0	100.0
10	Valid	22.79075	1	12.5	12.5
		29.47712	1	12.5	25.0
		31.55289	1	12.5	37.5
		32.57246	1	12.5	50.0
		33.71188	1	12.5	62.5
		62.09321	1	12.5	75.0
		64.94786	1	12.5	87.5
		68.56418	1	12.5	100.0
		Total	8	100.0	100.0

Appendix L3: Mahalanobis Distances (Blacks)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	23.04851	1	6.7	6.7	6.7
		23.13940	1	6.7	6.7	13.3
		23.55560	1	6.7	6.7	20.0
		23.93205	1	6.7	6.7	26.7
		24.33325	1	6.7	6.7	33.3
		24.57232	1	6.7	6.7	40.0
		24.84282	1	6.7	6.7	46.7
		25.22497	1	6.7	6.7	53.3
		26.09447	1	6.7	6.7	60.0
		26.93341	1	6.7	6.7	66.7
		29.03602	1	6.7	6.7	73.3
		43.54047	1	6.7	6.7	80.0
		45.00259	1	6.7	6.7	86.7
		45.15341	1	6.7	6.7	93.3
		45.87015	1	6.7	6.7	100.0
		Total	15	100.0	100.0	
2	Valid	23.10218	1	6.7	6.7	6.7
		23.21683	1	6.7	6.7	13.3
		23.37954	1	6.7	6.7	20.0
		23.65127	1	6.7	6.7	26.7
		24.04674	1	6.7	6.7	33.3
		24.53595	1	6.7	6.7	40.0
		24.72636	1	6.7	6.7	46.7
		25.01952	1	6.7	6.7	53.3
		25.82211	1	6.7	6.7	60.0
		26.81227	1	6.7	6.7	66.7
		28.82204	1	6.7	6.7	73.3
		43.57412	1	6.7	6.7	80.0
		44.94671	1	6.7	6.7	86.7
		44.97287	1	6.7	6.7	93.3
		45.73242	1	6.7	6.7	100.0
		Total	15	100.0	100.0	
3	Valid	22.69843	1	6.3	6.3	6.3
		23.59804	1	6.3	6.3	12.5

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent	
4	Valid	23.60638	1	6.3	6.3	18.8
		24.00062	1	6.3	6.3	25.0
		24.00298	1	6.3	6.3	31.3
		24.36594	1	6.3	6.3	37.5
		24.99437	1	6.3	6.3	43.8
		25.23118	1	6.3	6.3	50.0
		25.43268	1	6.3	6.3	56.3
		26.29484	1	6.3	6.3	62.5
		27.15916	1	6.3	6.3	68.8
		29.22811	1	6.3	6.3	75.0
		44.49036	1	6.3	6.3	81.3
		45.87264	1	6.3	6.3	87.5
		46.09750	1	6.3	6.3	93.8
		46.47567	1	6.3	6.3	100.0
		Total	16	100.0	100.0	
		5	Valid	23.21197	1	6.7
23.35010	1			6.7	6.7	13.3
23.73422	1			6.7	6.7	20.0
23.94368	1			6.7	6.7	26.7
24.11761	1			6.7	6.7	33.3
24.50462	1			6.7	6.7	40.0
24.89011	1			6.7	6.7	46.7
25.07769	1			6.7	6.7	53.3
26.03684	1			6.7	6.7	60.0
26.81449	1			6.7	6.7	66.7
28.77678	1			6.7	6.7	73.3
44.07469	1			6.7	6.7	80.0
45.26731	1			6.7	6.7	86.7
45.63745	1			6.7	6.7	93.3
45.87936	1			6.7	6.7	100.0
Total	15			100.0	100.0	

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
6	Valid	24.70399	1	6.7	6.7
		24.71247	1	6.7	6.7
		25.11026	1	6.7	6.7
		25.87726	1	6.7	6.7
		26.53266	1	6.7	6.7
		29.13244	1	6.7	6.7
		43.57863	1	6.7	6.7
		44.97403	1	6.7	6.7
		45.06695	1	6.7	6.7
		45.70803	1	6.7	6.7
		Total	15	100.0	100.0
		22.75747	1	6.7	6.7
		22.97894	1	6.7	6.7
		23.07215	1	6.7	6.7
		23.77984	1	6.7	6.7
		23.85196	1	6.7	6.7
7	Valid	24.21070	1	6.7	6.7
		24.63852	1	6.7	6.7
		24.85305	1	6.7	6.7
		26.05394	1	6.7	6.7
		26.56069	1	6.7	6.7
		28.56604	1	6.7	6.7
		43.13738	1	6.7	6.7
		44.42781	1	6.7	6.7
		44.76258	1	6.7	6.7
		45.56557	1	6.7	6.7
		Total	15	100.0	100.0
		23.07652	1	6.7	6.7
		23.23788	1	6.7	6.7
		23.74677	1	6.7	6.7
		23.98306	1	6.7	6.7
		24.18736	1	6.7	6.7
		24.75755	1	6.7	6.7
		24.83213	1	6.7	6.7
		25.35891	1	6.7	6.7
		25.91460	1	6.7	6.7

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
8	Valid	26.52630	1	6.7	66.7
		29.53834	1	6.7	73.3
		43.75787	1	6.7	80.0
		45.33107	1	6.7	86.7
		45.38282	1	6.7	93.3
		45.59694	1	6.7	100.0
		Total	15	100.0	
		22.76214	1	6.7	6.7
		22.79676	1	6.7	13.3
		23.00193	1	6.7	20.0
		23.52326	1	6.7	26.7
		23.86571	1	6.7	33.3
		24.22604	1	6.7	40.0
		24.74262	1	6.7	46.7
		24.77306	1	6.7	53.3
		25.69396	1	6.7	60.0
		26.56935	1	6.7	66.7
		28.36382	1	6.7	73.3
		42.93997	1	6.7	80.0
		44.26824	1	6.7	86.7
		44.67498	1	6.7	93.3
		44.92513	1	6.7	100.0
		Total	15	100.0	
9	Valid	22.64264	1	6.3	6.3
		23.46055	1	6.3	12.5
		23.47801	1	6.3	18.8
		23.83142	1	6.3	25.0
		24.08245	1	6.3	31.3
		24.23498	1	6.3	37.5
		24.85709	1	6.3	43.8
		25.01918	1	6.3	50.0
		25.41221	1	6.3	56.3
		26.07212	1	6.3	62.5
		27.11177	1	6.3	68.8
		29.20104	1	6.3	75.0
		44.19910	1	6.3	81.3

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent	
10	Valid	45.69520	1	6.3	6.3	87.5
		45.84425	1	6.3	6.3	93.8
		46.18822	1	6.3	6.3	100.0
		Total	16	100.0	100.0	
	23.29984	1	6.7	6.7	6.7	
	23.56326	1	6.7	6.7	13.3	
	23.87232	1	6.7	6.7	20.0	
	23.88095	1	6.7	6.7	26.7	
	24.41350	1	6.7	6.7	33.3	
	24.68451	1	6.7	6.7	40.0	
	24.82531	1	6.7	6.7	46.7	
	25.51247	1	6.7	6.7	53.3	
	25.95070	1	6.7	6.7	60.0	
	26.69822	1	6.7	6.7	66.7	
	29.54489	1	6.7	6.7	73.3	
	43.64716	1	6.7	6.7	80.0	
	45.33189	1	6.7	6.7	86.7	
	45.34587	1	6.7	6.7	93.3	
	45.86834	1	6.7	6.7	100.0	
	Total	15	100.0	100.0		

Appendix L4: Mahalanobis Distances (Whites)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	22.60773	1	4.2	4.2	4.2
		22.79889	1	4.2	4.2	8.3
		22.95823	1	4.2	4.2	12.5
		23.06916	1	4.2	4.2	16.7
		23.39573	1	4.2	4.2	20.8
		23.41574	1	4.2	4.2	25.0
		24.21212	1	4.2	4.2	29.2
		25.98239	1	4.2	4.2	33.3
		26.28642	1	4.2	4.2	37.5
		36.93059	1	4.2	4.2	41.7
		38.35730	1	4.2	4.2	45.8
		38.78485	1	4.2	4.2	50.0
		39.93542	1	4.2	4.2	54.2
		40.02995	1	4.2	4.2	58.3
		40.75404	1	4.2	4.2	62.5
		40.87027	1	4.2	4.2	66.7
		41.47813	1	4.2	4.2	70.8
		42.92671	1	4.2	4.2	75.0
		46.14328	1	4.2	4.2	79.2
		46.22019	1	4.2	4.2	83.3
		47.21357	1	4.2	4.2	87.5
		50.09140	1	4.2	4.2	91.7
		50.77434	1	4.2	4.2	95.8
		51.57496	1	4.2	4.2	100.0
		Total	24	100.0	100.0	
2	Valid	22.78725	1	4.2	4.2	4.2
		22.95032	1	4.2	4.2	8.3
		22.96054	1	4.2	4.2	12.5
		23.09057	1	4.2	4.2	16.7
		23.73700	1	4.2	4.2	20.8
		23.86410	1	4.2	4.2	25.0
		24.06842	1	4.2	4.2	29.2
		26.30500	1	4.2	4.2	33.3
		26.67340	1	4.2	4.2	37.5

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
3	Valid	36.81916	1	4.2	41.7
		38.08678	1	4.2	45.8
		38.83488	1	4.2	50.0
		39.65441	1	4.2	54.2
		39.73129	1	4.2	58.3
		40.58116	1	4.2	62.5
		40.61038	1	4.2	66.7
		41.58303	1	4.2	70.8
		43.19827	1	4.2	75.0
		45.98287	1	4.2	79.2
		46.00166	1	4.2	83.3
		46.16033	1	4.2	87.5
		50.21278	1	4.2	91.7
		50.56342	1	4.2	95.8
		52.10201	1	4.2	100.0
		Total	24	100.0	
		22.49020	1	4.0	4.0
		22.51868	1	4.0	8.0
		22.86711	1	4.0	12.0
		23.30153	1	4.0	16.0
		23.59845	1	4.0	20.0
		23.80132	1	4.0	24.0
		24.04608	1	4.0	28.0
		24.24294	1	4.0	32.0
		25.85821	1	4.0	36.0
		26.89443	1	4.0	40.0
		38.03390	1	4.0	44.0
		38.80390	1	4.0	48.0
		40.05355	1	4.0	52.0
		40.75842	1	4.0	56.0
		41.08412	1	4.0	60.0
		41.46113	1	4.0	64.0
		42.06525	1	4.0	68.0
		42.08878	1	4.0	72.0
		43.90922	1	4.0	76.0
		46.09382	1	4.0	80.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
4	Valid	47.13366	1	4.0	84.0
		47.59309	1	4.0	88.0
		50.21357	1	4.0	92.0
		50.83862	1	4.0	96.0
		52.13312	1	4.0	100.0
		Total	25	100.0	
		22.66378	1	4.2	4.2
		22.76977	1	4.2	8.3
		22.82314	1	4.2	12.5
		23.29032	1	4.2	16.7
		23.29242	1	4.2	20.8
		24.24647	1	4.2	25.0
		24.54289	1	4.2	29.2
		25.98687	1	4.2	33.3
		26.44956	1	4.2	37.5
		37.00093	1	4.2	41.7
		38.46228	1	4.2	45.8
		38.72061	1	4.2	50.0
		39.48739	1	4.2	54.2
		39.66494	1	4.2	58.3
		40.39163	1	4.2	62.5
		40.55613	1	4.2	66.7
		41.62680	1	4.2	70.8
		43.44279	1	4.2	75.0
		45.68738	1	4.2	79.2
		45.91678	1	4.2	83.3
		46.24715	1	4.2	87.5
		50.45423	1	4.2	91.7
		50.62872	1	4.2	95.8
		51.85302	1	4.2	100.0
		Total	24	100.0	
5	Valid	22.46775	1	4.2	4.2
		22.88325	1	4.2	8.3
		23.08463	1	4.2	12.5
		23.19775	1	4.2	16.7
		23.41921	1	4.2	20.8

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
	23.57369	1	4.2	4.2	25.0
	24.30512	1	4.2	4.2	29.2
	26.11187	1	4.2	4.2	33.3
	26.49036	1	4.2	4.2	37.5
	36.51017	1	4.2	4.2	41.7
	37.91337	1	4.2	4.2	45.8
	38.11379	1	4.2	4.2	50.0
	39.20738	1	4.2	4.2	54.2
	39.32090	1	4.2	4.2	58.3
	39.90581	1	4.2	4.2	62.5
	40.34335	1	4.2	4.2	66.7
	40.90045	1	4.2	4.2	70.8
	42.80142	1	4.2	4.2	75.0
	45.36222	1	4.2	4.2	79.2
	45.78729	1	4.2	4.2	83.3
	45.82933	1	4.2	4.2	87.5
	49.44846	1	4.2	4.2	91.7
	50.57131	1	4.2	4.2	95.8
	50.81784	1	4.2	4.2	100.0
	Total	24	100.0	100.0	
6	Valid				
	22.46074	1	4.3	4.3	4.3
	22.88744	1	4.3	4.3	8.7
	23.03046	1	4.3	4.3	13.0
	23.68313	1	4.3	4.3	17.4
	23.79151	1	4.3	4.3	21.7
	23.85892	1	4.3	4.3	26.1
	25.85885	1	4.3	4.3	30.4
	26.23703	1	4.3	4.3	34.8
	36.29347	1	4.3	4.3	39.1
	37.88996	1	4.3	4.3	43.5
	37.96718	1	4.3	4.3	47.8
	38.50492	1	4.3	4.3	52.2
	38.94785	1	4.3	4.3	56.5
	39.25050	1	4.3	4.3	60.9
	40.05001	1	4.3	4.3	65.2
	40.74034	1	4.3	4.3	69.6

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
7	Valid	42.72024	1	4.3	73.9
		44.67911	1	4.3	78.3
		45.18015	1	4.3	82.6
		45.72772	1	4.3	87.0
		49.00971	1	4.3	91.3
		50.54935	1	4.3	95.7
		51.45443	1	4.3	100.0
		Total	23	100.0	
		22.49893	1	4.3	4.3
		22.69898	1	4.3	8.7
		22.73518	1	4.3	13.0
		23.22785	1	4.3	17.4
		23.30791	1	4.3	21.7
		24.16140	1	4.3	26.1
		25.55749	1	4.3	30.4
		26.66841	1	4.3	34.8
		36.01998	1	4.3	39.1
		37.54607	1	4.3	43.5
		37.61479	1	4.3	47.8
		38.50731	1	4.3	52.2
		38.50813	1	4.3	56.5
		39.21812	1	4.3	60.9
		39.67062	1	4.3	65.2
		40.52148	1	4.3	69.6
8	Valid	42.14990	1	4.3	73.9
		44.66344	1	4.3	78.3
		45.19057	1	4.3	82.6
		45.78024	1	4.3	87.0
		49.73740	1	4.3	91.3
		49.87397	1	4.3	95.7
		51.40535	1	4.3	100.0
		Total	23	100.0	
		22.55231	1	4.3	4.3
		22.71856	1	4.3	8.7
	Valid	22.81384	1	4.3	13.0
		23.13333	1	4.3	17.4

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
	23.27540	1	4.3	4.3	21.7
	23.61077	1	4.3	4.3	26.1
	25.74198	1	4.3	4.3	30.4
	25.77849	1	4.3	4.3	34.8
	36.17938	1	4.3	4.3	39.1
	37.32019	1	4.3	4.3	43.5
	37.90778	1	4.3	4.3	47.8
	38.58683	1	4.3	4.3	52.2
	38.95989	1	4.3	4.3	56.5
	39.27063	1	4.3	4.3	60.9
	39.93186	1	4.3	4.3	65.2
	40.15040	1	4.3	4.3	69.6
	42.78175	1	4.3	4.3	73.9
	44.99709	1	4.3	4.3	78.3
	45.26771	1	4.3	4.3	82.6
	45.76864	1	4.3	4.3	87.0
	48.49741	1	4.3	4.3	91.3
	49.39259	1	4.3	4.3	95.7
	50.44593	1	4.3	4.3	100.0
	Total	23	100.0	100.0	
9	Valid				
	22.62397	1	4.3	4.3	4.3
	22.81908	1	4.3	4.3	8.7
	22.83263	1	4.3	4.3	13.0
	23.49303	1	4.3	4.3	17.4
	23.75410	1	4.3	4.3	21.7
	23.77198	1	4.3	4.3	26.1
	26.14427	1	4.3	4.3	30.4
	26.73564	1	4.3	4.3	34.8
	35.67558	1	4.3	4.3	39.1
	37.65876	1	4.3	4.3	43.5
	37.92385	1	4.3	4.3	47.8
	38.41163	1	4.3	4.3	52.2
	39.00734	1	4.3	4.3	56.5
	39.62227	1	4.3	4.3	60.9
	39.95599	1	4.3	4.3	65.2
	40.98351	1	4.3	4.3	69.6

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent	
10	Valid	42.39925	1	4.3	4.3	73.9
		44.63834	1	4.3	4.3	78.3
		44.68736	1	4.3	4.3	82.6
		45.03631	1	4.3	4.3	87.0
		49.74619	1	4.3	4.3	91.3
		50.47046	1	4.3	4.3	95.7
		50.81772	1	4.3	4.3	100.0
		Total	23	100.0	100.0	
		22.76600	1	4.2	4.2	4.2
		22.77862	1	4.2	4.2	8.3
		22.89701	1	4.2	4.2	12.5
		23.21417	1	4.2	4.2	16.7
		23.58302	1	4.2	4.2	20.8
		23.62173	1	4.2	4.2	25.0
		24.27267	1	4.2	4.2	29.2
		26.24641	1	4.2	4.2	33.3
		26.77564	1	4.2	4.2	37.5
		36.60211	1	4.2	4.2	41.7
		37.99775	1	4.2	4.2	45.8
		38.54977	1	4.2	4.2	50.0
		39.45310	1	4.2	4.2	54.2
		39.55380	1	4.2	4.2	58.3
		40.12177	1	4.2	4.2	62.5
		40.66018	1	4.2	4.2	66.7
	41.31888	1	4.2	4.2	70.8	
	42.99216	1	4.2	4.2	75.0	
	45.75987	1	4.2	4.2	79.2	
	45.84822	1	4.2	4.2	83.3	
	45.90439	1	4.2	4.2	87.5	
	50.47813	1	4.2	4.2	91.7	
	50.57044	1	4.2	4.2	95.8	
	51.59044	1	4.2	4.2	100.0	
	Total	24	100.0	100.0		

Appendix L5: Mahalanobis Distances (“Others”)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
2	Valid	24.16270	1	100.0	100.0	100.0
3	Valid	29.03226	1	100.0	100.0	100.0
4	Valid	26.07414	1	100.0	100.0	100.0
5	Valid	25.95699	1	100.0	100.0	100.0
6	Valid	26.05892	1	100.0	100.0	100.0
7	Valid	25.24294	1	100.0	100.0	100.0
8	Valid	26.88764	1	100.0	100.0	100.0
9	Valid	26.45144	1	100.0	100.0	100.0
10	Valid	31.03030	1	100.0	100.0	100.0

Appendix L6: Mahalanobis Distances (Non-Hispanic)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	22.47557	1	2.9	2.9	2.9
		22.55354	1	2.9	2.9	5.7
		22.57075	1	2.9	2.9	8.6
		22.62650	1	2.9	2.9	11.4
		22.86660	1	2.9	2.9	14.3
		22.89056	1	2.9	2.9	17.1
		23.27159	1	2.9	2.9	20.0
		23.41015	1	2.9	2.9	22.9
		23.75621	1	2.9	2.9	25.7
		23.89477	1	2.9	2.9	28.6
		24.29107	1	2.9	2.9	31.4
		24.66502	1	2.9	2.9	34.3
		25.51017	1	2.9	2.9	37.1
		26.06684	1	2.9	2.9	40.0
		27.01390	1	2.9	2.9	42.9
		27.33519	1	2.9	2.9	45.7
		38.52754	1	2.9	2.9	48.6
		39.43580	1	2.9	2.9	51.4
		40.19409	1	2.9	2.9	54.3
		40.24956	1	2.9	2.9	57.1
		40.46589	1	2.9	2.9	60.0
		40.71939	1	2.9	2.9	62.9
		41.00825	1	2.9	2.9	65.7
		41.09486	1	2.9	2.9	68.6
		41.32643	1	2.9	2.9	71.4
		41.78710	1	2.9	2.9	74.3
		41.97500	1	2.9	2.9	77.1
		42.39103	1	2.9	2.9	80.0
		44.30147	1	2.9	2.9	82.9
		47.82176	1	2.9	2.9	85.7
		48.31762	1	2.9	2.9	88.6
		48.98061	1	2.9	2.9	91.4
		50.86095	1	2.9	2.9	94.3
		51.23624	1	2.9	2.9	97.1

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
2	Valid	54.14560	1	2.9	100.0
		Total	35	100.0	100.0
		22.58732	1	2.9	2.9
		22.69058	1	2.9	5.9
		22.76756	1	2.9	8.8
		22.92251	1	2.9	11.8
		22.96096	1	2.9	14.7
		23.45692	1	2.9	17.6
		23.64086	1	2.9	20.6
		23.91840	1	2.9	23.5
		24.15887	1	2.9	26.5
		24.79030	1	2.9	29.4
		25.01136	1	2.9	32.4
		25.49496	1	2.9	35.3
		26.22970	1	2.9	38.2
		27.26706	1	2.9	41.2
		27.74531	1	2.9	44.1
		38.65784	1	2.9	47.1
		39.40557	1	2.9	50.0
		40.44917	1	2.9	52.9
		40.49040	1	2.9	55.9
		40.50996	1	2.9	58.8
		40.90283	1	2.9	61.8
		41.08291	1	2.9	64.7
		41.21516	1	2.9	67.6
		41.32306	1	2.9	70.6
		41.93815	1	2.9	73.5
		41.99416	1	2.9	76.5
		42.86635	1	2.9	79.4
		44.74397	1	2.9	82.4
		47.68302	1	2.9	85.3
		47.75083	1	2.9	88.2
		48.94373	1	2.9	91.2
		51.17724	1	2.9	94.1
		51.19287	1	2.9	97.1
		54.71668	1	2.9	100.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
Total		34	100.0	100.0	
3	Valid	22.69412	1	2.9	2.9
		22.89030	1	2.9	5.9
		23.03691	1	2.9	8.8
		23.17695	1	2.9	11.8
		23.62335	1	2.9	14.7
		23.93742	1	2.9	17.6
		24.12228	1	2.9	20.6
		24.17325	1	2.9	23.5
		24.40084	1	2.9	26.5
		24.70446	1	2.9	29.4
		25.06609	1	2.9	32.4
		25.65787	1	2.9	35.3
		25.81956	1	2.9	38.2
		27.06101	1	2.9	41.2
		27.99163	1	2.9	44.1
		39.64174	1	2.9	47.1
		39.94119	1	2.9	50.0
		41.22185	1	2.9	52.9
		41.50789	1	2.9	55.9
		41.56872	1	2.9	58.8
		41.62613	1	2.9	61.8
		41.74427	1	2.9	64.7
		42.21589	1	2.9	67.6
		42.38644	1	2.9	70.6
		42.72389	1	2.9	73.5
		42.82054	1	2.9	76.5
		43.35965	1	2.9	79.4
		45.30269	1	2.9	82.4
		48.41874	1	2.9	85.3
		49.08025	1	2.9	88.2
		49.08370	1	2.9	91.2
		51.40112	1	2.9	94.1
		51.42651	1	2.9	97.1
		54.83909	1	2.9	100.0
		Total	34	100.0	100.0

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
4	Valid	22.53054	1	2.9	2.9	2.9
		22.66645	1	2.9	2.9	5.9
		22.71089	1	2.9	2.9	8.8
		22.74095	1	2.9	2.9	11.8
		22.86061	1	2.9	2.9	14.7
		23.38929	1	2.9	2.9	17.6
		23.68366	1	2.9	2.9	20.6
		23.69004	1	2.9	2.9	23.5
		23.94822	1	2.9	2.9	26.5
		24.61311	1	2.9	2.9	29.4
		25.08196	1	2.9	2.9	32.4
		25.90381	1	2.9	2.9	35.3
		25.99063	1	2.9	2.9	38.2
		26.62436	1	2.9	2.9	41.2
		27.56515	1	2.9	2.9	44.1
		38.66284	1	2.9	2.9	47.1
		39.55342	1	2.9	2.9	50.0
		40.18425	1	2.9	2.9	52.9
		40.34924	1	2.9	2.9	55.9
		40.45996	1	2.9	2.9	58.8
		40.51004	1	2.9	2.9	61.8
		40.88183	1	2.9	2.9	64.7
		40.92442	1	2.9	2.9	67.6
		41.03423	1	2.9	2.9	70.6
		41.61892	1	2.9	2.9	73.5
		41.81993	1	2.9	2.9	76.5
		42.66369	1	2.9	2.9	79.4
		44.61164	1	2.9	2.9	82.4
		47.16138	1	2.9	2.9	85.3
		47.85681	1	2.9	2.9	88.2
		48.66755	1	2.9	2.9	91.2
		51.16283	1	2.9	2.9	94.1
		51.35709	1	2.9	2.9	97.1
		54.62266	1	2.9	2.9	100.0
		Total	34	100.0	100.0	
5	Valid	22.46435	1	3.0	3.0	3.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
	22.57560	1	3.0	3.0	6.1
	22.77669	1	3.0	3.0	9.1
	23.03751	1	3.0	3.0	12.1
	23.25875	1	3.0	3.0	15.2
	23.41812	1	3.0	3.0	18.2
	23.97870	1	3.0	3.0	21.2
	24.09223	1	3.0	3.0	24.2
	24.54133	1	3.0	3.0	27.3
	24.76354	1	3.0	3.0	30.3
	25.72383	1	3.0	3.0	33.3
	26.36346	1	3.0	3.0	36.4
	26.82303	1	3.0	3.0	39.4
	27.36295	1	3.0	3.0	42.4
	38.36963	1	3.0	3.0	45.5
	39.19657	1	3.0	3.0	48.5
	39.86289	1	3.0	3.0	51.5
	40.13448	1	3.0	3.0	54.5
	40.25737	1	3.0	3.0	57.6
	40.43932	1	3.0	3.0	60.6
	40.67863	1	3.0	3.0	63.6
	40.89857	1	3.0	3.0	66.7
	40.93980	1	3.0	3.0	69.7
	41.38542	1	3.0	3.0	72.7
	41.84303	1	3.0	3.0	75.8
	42.24576	1	3.0	3.0	78.8
	44.24954	1	3.0	3.0	81.8
	47.31539	1	3.0	3.0	84.8
	47.61688	1	3.0	3.0	87.9
	48.56774	1	3.0	3.0	90.9
	50.75798	1	3.0	3.0	93.9
	51.27150	1	3.0	3.0	97.0
	53.93635	1	3.0	3.0	100.0
	Total	33	100.0	100.0	
6	Valid				
	22.47346	1	3.1	3.1	3.1
	22.71529	1	3.1	3.1	6.3
	22.91340	1	3.1	3.1	9.4

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
	23.15435	1	3.1	3.1	12.5
	23.42794	1	3.1	3.1	15.6
	23.66173	1	3.1	3.1	18.8
	23.79404	1	3.1	3.1	21.9
	24.58757	1	3.1	3.1	25.0
	24.90216	1	3.1	3.1	28.1
	25.31709	1	3.1	3.1	31.3
	26.05948	1	3.1	3.1	34.4
	26.73758	1	3.1	3.1	37.5
	27.08055	1	3.1	3.1	40.6
	38.01789	1	3.1	3.1	43.8
	38.97893	1	3.1	3.1	46.9
	39.56494	1	3.1	3.1	50.0
	39.67492	1	3.1	3.1	53.1
	39.92737	1	3.1	3.1	56.3
	40.05287	1	3.1	3.1	59.4
	40.08111	1	3.1	3.1	62.5
	40.23446	1	3.1	3.1	65.6
	40.51685	1	3.1	3.1	68.8
	40.79027	1	3.1	3.1	71.9
	41.41457	1	3.1	3.1	75.0
	41.92536	1	3.1	3.1	78.1
	44.04567	1	3.1	3.1	81.3
	46.40676	1	3.1	3.1	84.4
	47.41574	1	3.1	3.1	87.5
	48.09535	1	3.1	3.1	90.6
	50.21677	1	3.1	3.1	93.8
	50.91535	1	3.1	3.1	96.9
	53.92338	1	3.1	3.1	100.0
	Total	32	100.0	100.0	
7	Valid				
	22.56935	1	3.1	3.1	3.1
	22.57753	1	3.1	3.1	6.3
	22.78600	1	3.1	3.1	9.4
	22.82039	1	3.1	3.1	12.5
	23.07727	1	3.1	3.1	15.6
	23.29471	1	3.1	3.1	18.8

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
23.87104		1	3.1	3.1	21.9
24.26749		1	3.1	3.1	25.0
24.64597		1	3.1	3.1	28.1
25.56365		1	3.1	3.1	31.3
25.76208		1	3.1	3.1	34.4
26.50821		1	3.1	3.1	37.5
27.82911		1	3.1	3.1	40.6
37.98179		1	3.1	3.1	43.8
38.88341		1	3.1	3.1	46.9
39.42685		1	3.1	3.1	50.0
39.58338		1	3.1	3.1	53.1
39.67463		1	3.1	3.1	56.3
39.96673		1	3.1	3.1	59.4
40.15179		1	3.1	3.1	62.5
40.26350		1	3.1	3.1	65.6
40.28566		1	3.1	3.1	68.8
40.78181		1	3.1	3.1	71.9
41.15557		1	3.1	3.1	75.0
41.80036		1	3.1	3.1	78.1
43.72416		1	3.1	3.1	81.3
46.57788		1	3.1	3.1	84.4
47.23907		1	3.1	3.1	87.5
48.86289		1	3.1	3.1	90.6
50.66281		1	3.1	3.1	93.8
50.78745		1	3.1	3.1	96.9
54.37631		1	3.1	3.1	100.0
Total		32	100.0	100.0	
8	Valid	22.57751	1	3.1	3.1
		22.72397	1	3.1	6.3
		23.06067	1	3.1	9.4
		23.11563	1	3.1	12.5
		23.27034	1	3.1	15.6
		23.36375	1	3.1	18.8
		23.74947	1	3.1	21.9
		24.11657	1	3.1	25.0
		24.29266	1	3.1	28.1

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
9	Valid	25.13584	1	3.1	31.3
		25.79281	1	3.1	34.4
		26.58348	1	3.1	37.5
		27.04594	1	3.1	40.6
		37.96967	1	3.1	43.8
		38.58134	1	3.1	46.9
		39.50408	1	3.1	50.0
		39.57861	1	3.1	53.1
		39.75484	1	3.1	56.3
		39.81963	1	3.1	59.4
		40.06171	1	3.1	62.5
		40.27613	1	3.1	65.6
		40.49306	1	3.1	68.8
		40.79377	1	3.1	71.9
		40.99377	1	3.1	75.0
		41.48110	1	3.1	78.1
		44.12133	1	3.1	81.3
		46.74011	1	3.1	84.4
		47.44366	1	3.1	87.5
		48.03397	1	3.1	90.6
		49.77458	1	3.1	93.8
		50.13128	1	3.1	96.9
		53.29866	1	3.1	100.0
		Total	32	100.0	100.0
		22.72812	1	3.2	3.2
		22.82088	1	3.2	6.5
		22.90388	1	3.2	9.7
		23.26692	1	3.2	12.9
		23.48790	1	3.2	16.1
		23.73753	1	3.2	19.4
		24.42735	1	3.2	22.6
		24.67156	1	3.2	25.8
		25.19638	1	3.2	29.0
		26.34883	1	3.2	32.3
		26.80419	1	3.2	35.5
		27.34155	1	3.2	38.7

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
		37.55616	1	3.2	41.9
		39.09553	1	3.2	45.2
		39.38340	1	3.2	48.4
		39.77196	1	3.2	51.6
		40.06177	1	3.2	54.8
		40.11040	1	3.2	58.1
		40.12740	1	3.2	61.3
		40.25156	1	3.2	64.5
		40.66988	1	3.2	67.7
		41.26143	1	3.2	71.0
		41.31402	1	3.2	74.2
		42.19326	1	3.2	77.4
		43.83540	1	3.2	80.6
		46.49440	1	3.2	83.9
		46.53628	1	3.2	87.1
		47.78844	1	3.2	90.3
		50.87675	1	3.2	93.5
		51.09058	1	3.2	96.8
		53.56845	1	3.2	100.0
		Total	31	100.0	
10	Valid	22.57249	1	2.9	2.9
		22.66319	1	2.9	5.9
		22.79140	1	2.9	8.8
		22.86294	1	2.9	11.8
		23.11318	1	2.9	14.7
		23.23040	1	2.9	17.6
		23.61447	1	2.9	20.6
		23.64050	1	2.9	23.5
		24.06866	1	2.9	26.5
		24.63929	1	2.9	29.4
		24.80576	1	2.9	32.4
		25.62940	1	2.9	35.3
		26.18186	1	2.9	38.2
		26.85451	1	2.9	41.2
		27.90646	1	2.9	44.1
		38.56462	1	2.9	47.1

Imputation Number	Frequency	Percent	Valid Percent	Cumulative Percent
39.33630	1	2.9	2.9	50.0
40.21932	1	2.9	2.9	52.9
40.38494	1	2.9	2.9	55.9
40.38521	1	2.9	2.9	58.8
40.62277	1	2.9	2.9	61.8
40.87616	1	2.9	2.9	64.7
40.91023	1	2.9	2.9	67.6
41.21853	1	2.9	2.9	70.6
41.49341	1	2.9	2.9	73.5
42.04770	1	2.9	2.9	76.5
42.58366	1	2.9	2.9	79.4
44.74508	1	2.9	2.9	82.4
47.58640	1	2.9	2.9	85.3
47.85223	1	2.9	2.9	88.2
48.83856	1	2.9	2.9	91.2
51.07397	1	2.9	2.9	94.1
51.41127	1	2.9	2.9	97.1
54.49656	1	2.9	2.9	100.0
Total	34	100.0	100.0	

Appendix L7: Mahalanobis Distances (Hispanic)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	40.21602	1	100.0	100.0	100.0
2	Valid	27.74557	1	100.0	100.0	100.0
3	Valid	42.13693	1	100.0	100.0	100.0
4	Valid	43.50803	1	100.0	100.0	100.0
5	Valid	36.45049	1	100.0	100.0	100.0
6	Valid	44.35317	1	100.0	100.0	100.0
7	Valid	43.77637	1	100.0	100.0	100.0
8	Valid	40.55860	1	100.0	100.0	100.0
9	Valid	40.96155	1	100.0	100.0	100.0
10	Valid	39.10643	1	100.0	100.0	100.0

Appendix L8: Mahalanobis Distances (No CHS)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	22.56155	1	3.7	3.7	3.7
		22.87682	1	3.7	3.7	7.4
		22.94443	1	3.7	3.7	11.1
		23.01059	1	3.7	3.7	14.8
		23.10245	1	3.7	3.7	18.5
		23.26624	1	3.7	3.7	22.2
		23.70414	1	3.7	3.7	25.9
		23.75522	1	3.7	3.7	29.6
		24.53507	1	3.7	3.7	33.3
		25.08032	1	3.7	3.7	37.0
		25.58586	1	3.7	3.7	40.7
		26.39628	1	3.7	3.7	44.4
		26.66154	1	3.7	3.7	48.1
		27.34767	1	3.7	3.7	51.9
		29.78753	1	3.7	3.7	55.6
		44.26667	1	3.7	3.7	59.3
		44.71124	1	3.7	3.7	63.0
		46.06993	1	3.7	3.7	66.7
		47.05508	1	3.7	3.7	70.4
		47.59711	1	3.7	3.7	74.1
		48.44291	1	3.7	3.7	77.8
		49.06804	1	3.7	3.7	81.5
		53.17987	1	3.7	3.7	85.2
		54.29605	1	3.7	3.7	88.9
		54.89817	1	3.7	3.7	92.6
		56.29931	1	3.7	3.7	96.3
		58.69527	1	3.7	3.7	100.0
		Total	27	100.0	100.0	
2	Valid	22.88970	1	4.3	4.3	4.3
		23.46898	1	4.3	4.3	8.7
		23.48453	1	4.3	4.3	13.0
		25.04884	1	4.3	4.3	17.4
		25.55024	1	4.3	4.3	21.7
		25.68301	1	4.3	4.3	26.1

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
3	Valid	25.72251	1	4.3	30.4
		26.40526	1	4.3	34.8
		28.34638	1	4.3	39.1
		40.41669	1	4.3	43.5
		41.90423	1	4.3	47.8
		42.95884	1	4.3	52.2
		43.05783	1	4.3	56.5
		44.34721	1	4.3	60.9
		45.09177	1	4.3	65.2
		45.30546	1	4.3	69.6
		46.94288	1	4.3	73.9
		50.01239	1	4.3	78.3
		50.46278	1	4.3	82.6
		51.96877	1	4.3	87.0
		52.10071	1	4.3	91.3
		52.66506	1	4.3	95.7
		55.91950	1	4.3	100.0
		Total	23	100.0	
		22.63390	1	3.8	3.8
		22.63954	1	3.8	7.7
		22.73687	1	3.8	11.5
		23.48867	1	3.8	15.4
		23.95149	1	3.8	19.2
		24.14667	1	3.8	23.1
		24.61595	1	3.8	26.9
		24.80931	1	3.8	30.8
		25.43128	1	3.8	34.6
		25.82477	1	3.8	38.5
		26.08164	1	3.8	42.3
		28.23299	1	3.8	46.2
		28.55522	1	3.8	50.0
		29.86780	1	3.8	53.8
		31.16879	1	3.8	57.7
		47.54430	1	3.8	61.5
		49.28420	1	3.8	65.4
		50.04122	1	3.8	69.2

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
4	Valid	50.50787	1	3.8	73.1
		51.56692	1	3.8	76.9
		52.39870	1	3.8	80.8
		55.54768	1	3.8	84.6
		56.85034	1	3.8	88.5
		58.61948	1	3.8	92.3
		59.47151	1	3.8	96.2
		59.82645	1	3.8	100.0
		Total	26	100.0	
		22.64596	1	4.2	4.2
		22.89671	1	4.2	8.3
		22.91020	1	4.2	12.5
		22.99502	1	4.2	16.7
		23.37774	1	4.2	20.8
		24.18535	1	4.2	25.0
		24.22592	1	4.2	29.2
		24.30538	1	4.2	33.3
		24.66268	1	4.2	37.5
		25.70223	1	4.2	41.7
		26.55122	1	4.2	45.8
		29.37225	1	4.2	50.0
		30.20082	1	4.2	54.2
		46.06718	1	4.2	58.3
		47.37174	1	4.2	62.5
		48.35828	1	4.2	66.7
		49.14120	1	4.2	70.8
		49.48022	1	4.2	75.0
		50.46389	1	4.2	79.2
		53.84137	1	4.2	83.3
		54.76611	1	4.2	87.5
		56.65438	1	4.2	91.7
		58.32684	1	4.2	95.8
		61.62262	1	4.2	100.0
		Total	24	100.0	
5	Valid	23.46069	1	4.5	4.5
		23.59131	1	4.5	9.1

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent	
6	Valid	23.60527	1	4.5	4.5	13.6
		23.89131	1	4.5	4.5	18.2
		23.99530	1	4.5	4.5	22.7
		24.53025	1	4.5	4.5	27.3
		24.63735	1	4.5	4.5	31.8
		26.19985	1	4.5	4.5	36.4
		26.31263	1	4.5	4.5	40.9
		28.04125	1	4.5	4.5	45.5
		29.43694	1	4.5	4.5	50.0
		44.29623	1	4.5	4.5	54.5
		45.46396	1	4.5	4.5	59.1
		46.47174	1	4.5	4.5	63.6
		47.01155	1	4.5	4.5	68.2
		48.36623	1	4.5	4.5	72.7
		49.09432	1	4.5	4.5	77.3
		52.60343	1	4.5	4.5	81.8
		53.46577	1	4.5	4.5	86.4
		55.29375	1	4.5	4.5	90.9
		56.20330	1	4.5	4.5	95.5
		58.60499	1	4.5	4.5	100.0
		Total	22	100.0	100.0	
22.57503	1	4.5	4.5	4.5		
23.14116	1	4.5	4.5	9.1		
24.04513	1	4.5	4.5	13.6		
24.60626	1	4.5	4.5	18.2		
24.83782	1	4.5	4.5	22.7		
25.73706	1	4.5	4.5	27.3		
25.75213	1	4.5	4.5	31.8		
28.22108	1	4.5	4.5	36.4		
40.12358	1	4.5	4.5	40.9		
40.73089	1	4.5	4.5	45.5		
42.49999	1	4.5	4.5	50.0		
42.56989	1	4.5	4.5	54.5		
43.58183	1	4.5	4.5	59.1		
43.63194	1	4.5	4.5	63.6		
44.69064	1	4.5	4.5	68.2		

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
7	Valid	46.33296	1	4.5	72.7
		48.63464	1	4.5	77.3
		48.69548	1	4.5	81.8
		50.80531	1	4.5	86.4
		51.61691	1	4.5	90.9
		52.10667	1	4.5	95.5
		55.03325	1	4.5	100.0
		Total	22	100.0	
		22.84776	1	4.3	4.3
		22.96812	1	4.3	8.7
		23.14766	1	4.3	13.0
		23.50196	1	4.3	17.4
		23.65129	1	4.3	21.7
		23.87994	1	4.3	26.1
		24.04010	1	4.3	30.4
		25.01487	1	4.3	34.8
		25.48054	1	4.3	39.1
		25.49935	1	4.3	43.5
		27.49082	1	4.3	47.8
		28.75016	1	4.3	52.2
		43.29628	1	4.3	56.5
		44.16664	1	4.3	60.9
		45.23570	1	4.3	65.2
		46.44039	1	4.3	69.6
		46.45800	1	4.3	73.9
		47.68867	1	4.3	78.3
8	Valid	51.89593	1	4.3	82.6
		52.59382	1	4.3	87.0
		53.74649	1	4.3	91.3
		55.21391	1	4.3	95.7
		58.92567	1	4.3	100.0
		Total	23	100.0	
		22.50437	1	4.5	4.5
		22.51419	1	4.5	9.1
		23.51032	1	4.5	13.6
		24.36795	1	4.5	18.2

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
		24.48819	1	4.5	22.7
		25.11604	1	4.5	27.3
		25.51407	1	4.5	31.8
		25.80383	1	4.5	36.4
		27.73070	1	4.5	40.9
		39.78477	1	4.5	45.5
		40.56716	1	4.5	50.0
		41.95109	1	4.5	54.5
		42.17059	1	4.5	59.1
		43.74554	1	4.5	63.6
		43.75927	1	4.5	68.2
		46.81589	1	4.5	72.7
		47.96426	1	4.5	77.3
		48.40334	1	4.5	81.8
		50.40386	1	4.5	86.4
		51.77712	1	4.5	90.9
		51.83427	1	4.5	95.5
		54.19116	1	4.5	100.0
		Total	22	100.0	
9	Valid	22.79277	1	4.2	4.2
		22.81121	1	4.2	8.3
		23.10747	1	4.2	12.5
		23.23524	1	4.2	16.7
		23.26672	1	4.2	20.8
		24.32848	1	4.2	25.0
		24.34246	1	4.2	29.2
		24.35901	1	4.2	33.3
		24.38221	1	4.2	37.5
		25.86952	1	4.2	41.7
		26.26548	1	4.2	45.8
		29.04381	1	4.2	50.0
		29.91440	1	4.2	54.2
		45.62396	1	4.2	58.3
		45.65296	1	4.2	62.5
		47.87909	1	4.2	66.7
		48.69861	1	4.2	70.8

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
10	Valid	49.07778	1	4.2	75.0
		49.24918	1	4.2	79.2
		52.52968	1	4.2	83.3
		53.41006	1	4.2	87.5
		54.84833	1	4.2	91.7
		57.94137	1	4.2	95.8
		59.42098	1	4.2	100.0
		Total	24	100.0	100.0
		22.57262	1	4.5	4.5
		23.37892	1	4.5	9.1
		23.76961	1	4.5	13.6
		24.26904	1	4.5	18.2
		24.79201	1	4.5	22.7
		25.33271	1	4.5	27.3
		25.58684	1	4.5	31.8
		26.35876	1	4.5	36.4
		27.11311	1	4.5	40.9
		39.32742	1	4.5	45.5
		40.33320	1	4.5	50.0
		41.63525	1	4.5	54.5
		42.50404	1	4.5	59.1
		42.61450	1	4.5	63.6
		43.98016	1	4.5	68.2
		44.84379	1	4.5	72.7
		45.84657	1	4.5	77.3
		48.30971	1	4.5	81.8
		49.13933	1	4.5	86.4
		50.62012	1	4.5	90.9
		51.80844	1	4.5	95.5
		54.44083	1	4.5	100.0
		Total	22	100.0	100.0

Appendix L9: Mahalanobis Distances (CHS)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	24.77859	1	11.1	11.1	11.1
		24.82645	1	11.1	11.1	22.2
		33.94226	1	11.1	11.1	33.3
		35.15560	1	11.1	11.1	44.4
		35.48759	1	11.1	11.1	55.6
		36.07687	1	11.1	11.1	66.7
		36.79326	1	11.1	11.1	77.8
		39.08707	1	11.1	11.1	88.9
		45.44450	1	11.1	11.1	100.0
		Total	9	100.0	100.0	
2	Valid	22.51670	1	9.1	9.1	9.1
		22.68408	1	9.1	9.1	18.2
		22.75376	1	9.1	9.1	27.3
		22.97182	1	9.1	9.1	36.4
		24.20963	1	9.1	9.1	45.5
		28.07786	1	9.1	9.1	54.5
		37.39731	1	9.1	9.1	63.6
		37.96344	1	9.1	9.1	72.7
		38.12777	1	9.1	9.1	81.8
		39.25282	1	9.1	9.1	90.9
		40.18385	1	9.1	9.1	100.0
		Total	11	100.0	100.0	
3	Valid	23.84723	1	10.0	10.0	10.0
		25.44809	1	10.0	10.0	20.0
		32.73014	1	10.0	10.0	30.0
		34.34938	1	10.0	10.0	40.0
		34.67029	1	10.0	10.0	50.0
		35.52253	1	10.0	10.0	60.0
		35.52648	1	10.0	10.0	70.0
		35.55983	1	10.0	10.0	80.0
		36.87903	1	10.0	10.0	90.0
		48.13678	1	10.0	10.0	100.0
		Total	10	100.0	100.0	
4	Valid	23.28929	1	9.1	9.1	9.1

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
5	Valid	23.89692	1	9.1	18.2
		24.90925	1	9.1	27.3
		32.62880	1	9.1	36.4
		34.39354	1	9.1	45.5
		34.75149	1	9.1	54.5
		34.80093	1	9.1	63.6
		35.07056	1	9.1	72.7
		35.58547	1	9.1	81.8
		37.85485	1	9.1	90.9
		44.08337	1	9.1	100.0
		Total	11	100.0	
		24.57912	1	9.1	9.1
		25.52514	1	9.1	18.2
		25.85718	1	9.1	27.3
		32.91677	1	9.1	36.4
		34.73368	1	9.1	45.5
		35.06657	1	9.1	54.5
		35.27029	1	9.1	63.6
		35.60155	1	9.1	72.7
6	Valid	36.23711	1	9.1	81.8
		38.13508	1	9.1	90.9
		44.89646	1	9.1	100.0
		Total	11	100.0	
		22.67706	1	8.3	8.3
		22.71118	1	8.3	16.7
		22.79137	1	8.3	25.0
		22.92025	1	8.3	33.3
		25.68499	1	8.3	41.7
		26.79242	1	8.3	50.0
		26.87130	1	8.3	58.3
		36.87044	1	8.3	66.7
		37.35776	1	8.3	75.0
		37.92256	1	8.3	83.3
		38.82303	1	8.3	91.7
		39.10910	1	8.3	100.0
		Total	12	100.0	

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
7	Valid	24.07749	1	9.1	9.1	9.1
		24.67757	1	9.1	9.1	18.2
		25.77233	1	9.1	9.1	27.3
		33.61332	1	9.1	9.1	36.4
		35.16725	1	9.1	9.1	45.5
		35.48149	1	9.1	9.1	54.5
		35.94171	1	9.1	9.1	63.6
		36.00842	1	9.1	9.1	72.7
		36.73698	1	9.1	9.1	81.8
		39.04843	1	9.1	9.1	90.9
		45.51283	1	9.1	9.1	100.0
		Total	11	100.0	100.0	
8	Valid	22.50928	1	11.1	11.1	11.1
		24.41378	1	11.1	11.1	22.2
		27.30121	1	11.1	11.1	33.3
		36.86284	1	11.1	11.1	44.4
		38.43809	1	11.1	11.1	55.6
		38.50460	1	11.1	11.1	66.7
		39.13203	1	11.1	11.1	77.8
		39.59732	1	11.1	11.1	88.9
		39.68152	1	11.1	11.1	100.0
		Total	9	100.0	100.0	
9	Valid	23.11038	1	9.1	9.1	9.1
		23.48100	1	9.1	9.1	18.2
		25.46416	1	9.1	9.1	27.3
		31.63554	1	9.1	9.1	36.4
		33.45353	1	9.1	9.1	45.5
		33.58216	1	9.1	9.1	54.5
		34.25379	1	9.1	9.1	63.6
		34.60762	1	9.1	9.1	72.7
		34.79926	1	9.1	9.1	81.8
		36.82862	1	9.1	9.1	90.9
		43.97978	1	9.1	9.1	100.0
		Total	11	100.0	100.0	
10	Valid	22.81575	1	7.7	7.7	7.7
		23.07925	1	7.7	7.7	15.4

Imputation Number	Frequency	Percent	Valid Percent	Cumulative Percent
23.27178	1	7.7	7.7	23.1
23.44548	1	7.7	7.7	30.8
23.64369	1	7.7	7.7	38.5
24.78680	1	7.7	7.7	46.2
28.05539	1	7.7	7.7	53.8
38.84785	1	7.7	7.7	61.5
39.58120	1	7.7	7.7	69.2
40.03131	1	7.7	7.7	76.9
41.16190	1	7.7	7.7	84.6
41.21519	1	7.7	7.7	92.3
51.48337	1	7.7	7.7	100.0
Total	13	100.0	100.0	

Appendix L10: Mahalanobis Distances (No Gang Affiliation)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	22.46461	1	3.0	3.0	3.0
		22.59239	1	3.0	3.0	6.1
		22.74671	1	3.0	3.0	9.1
		22.81700	1	3.0	3.0	12.1
		22.91034	1	3.0	3.0	15.2
		23.11185	1	3.0	3.0	18.2
		23.17501	1	3.0	3.0	21.2
		23.78367	1	3.0	3.0	24.2
		24.08021	1	3.0	3.0	27.3
		24.14673	1	3.0	3.0	30.3
		24.64916	1	3.0	3.0	33.3
		25.42426	1	3.0	3.0	36.4
		26.00369	1	3.0	3.0	39.4
		26.89960	1	3.0	3.0	42.4
		27.66483	1	3.0	3.0	45.5
		38.73372	1	3.0	3.0	48.5
		39.38787	1	3.0	3.0	51.5
		40.24011	1	3.0	3.0	54.5
		40.38317	1	3.0	3.0	57.6
		40.73454	1	3.0	3.0	60.6
		40.79590	1	3.0	3.0	63.6
		41.38338	1	3.0	3.0	66.7
		41.50441	1	3.0	3.0	69.7
		41.79361	1	3.0	3.0	72.7
		42.10908	1	3.0	3.0	75.8
		42.37514	1	3.0	3.0	78.8
		43.78447	1	3.0	3.0	81.8
		48.10075	1	3.0	3.0	84.8
		48.41161	1	3.0	3.0	87.9
		49.40369	1	3.0	3.0	90.9
		50.91424	1	3.0	3.0	93.9
		51.28362	1	3.0	3.0	97.0
		54.53590	1	3.0	3.0	100.0
		Total	33	100.0	100.0	

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
2	Valid	22.62840	1	3.2	3.2	3.2
		22.80748	1	3.2	3.2	6.5
		22.80909	1	3.2	3.2	9.7
		23.07682	1	3.2	3.2	12.9
		23.14551	1	3.2	3.2	16.1
		23.19863	1	3.2	3.2	19.4
		23.91794	1	3.2	3.2	22.6
		24.40936	1	3.2	3.2	25.8
		24.56527	1	3.2	3.2	29.0
		25.02839	1	3.2	3.2	32.3
		26.62046	1	3.2	3.2	35.5
		26.97881	1	3.2	3.2	38.7
		28.25973	1	3.2	3.2	41.9
		38.80122	1	3.2	3.2	45.2
		39.30991	1	3.2	3.2	48.4
		40.31828	1	3.2	3.2	51.6
		40.45595	1	3.2	3.2	54.8
		40.62422	1	3.2	3.2	58.1
		40.85077	1	3.2	3.2	61.3
		41.28690	1	3.2	3.2	64.5
		41.45365	1	3.2	3.2	67.7
		41.74481	1	3.2	3.2	71.0
		42.09670	1	3.2	3.2	74.2
		42.63485	1	3.2	3.2	77.4
		44.00431	1	3.2	3.2	80.6
		47.72353	1	3.2	3.2	83.9
		47.95079	1	3.2	3.2	87.1
		49.70611	1	3.2	3.2	90.3
		51.26412	1	3.2	3.2	93.5
		51.30921	1	3.2	3.2	96.8
		55.15241	1	3.2	3.2	100.0
		Total	31	100.0	100.0	
3	Valid	22.59697	1	3.0	3.0	3.0
		22.70166	1	3.0	3.0	6.1
		22.71778	1	3.0	3.0	9.1
		22.90623	1	3.0	3.0	12.1

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
23.42782		1	3.0	3.0	15.2
23.62965		1	3.0	3.0	18.2
23.93210		1	3.0	3.0	21.2
24.02897		1	3.0	3.0	24.2
24.22710		1	3.0	3.0	27.3
24.56583		1	3.0	3.0	30.3
24.70942		1	3.0	3.0	33.3
25.43766		1	3.0	3.0	36.4
26.08795		1	3.0	3.0	39.4
26.91615		1	3.0	3.0	42.4
28.09131		1	3.0	3.0	45.5
39.40850		1	3.0	3.0	48.5
39.54102		1	3.0	3.0	51.5
40.87230		1	3.0	3.0	54.5
41.04874		1	3.0	3.0	57.6
41.14067		1	3.0	3.0	60.6
41.36794		1	3.0	3.0	63.6
41.98046		1	3.0	3.0	66.7
42.16357		1	3.0	3.0	69.7
42.41275		1	3.0	3.0	72.7
42.43470		1	3.0	3.0	75.8
42.83210		1	3.0	3.0	78.8
44.48835		1	3.0	3.0	81.8
48.22236		1	3.0	3.0	84.8
48.95563		1	3.0	3.0	87.9
49.27512		1	3.0	3.0	90.9
50.94572		1	3.0	3.0	93.9
51.06369		1	3.0	3.0	97.0
54.79026		1	3.0	3.0	100.0
Total		33	100.0	100.0	
4	Valid	22.57593	1	3.1	3.1
		22.59602	1	3.1	6.3
		22.69774	1	3.1	9.4
		22.71909	1	3.1	12.5
		23.11440	1	3.1	15.6
		23.34688	1	3.1	18.8

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
5	Valid	23.61262	1	3.1	21.9
		24.26828	1	3.1	25.0
		24.55750	1	3.1	28.1
		24.80297	1	3.1	31.3
		25.62871	1	3.1	34.4
		26.16742	1	3.1	37.5
		26.48229	1	3.1	40.6
		27.93957	1	3.1	43.8
		38.65210	1	3.1	46.9
		39.21652	1	3.1	50.0
		40.02582	1	3.1	53.1
		40.27358	1	3.1	56.3
		40.27675	1	3.1	59.4
		40.68013	1	3.1	62.5
		40.89714	1	3.1	65.6
		40.95976	1	3.1	68.8
		41.46720	1	3.1	71.9
		41.50046	1	3.1	75.0
		42.48042	1	3.1	78.1
		44.02318	1	3.1	81.3
		46.90778	1	3.1	84.4
		47.87054	1	3.1	87.5
		49.09529	1	3.1	90.6
		50.85584	1	3.1	93.8
		51.22034	1	3.1	96.9
		54.98052	1	3.1	100.0
		Total	32	100.0	
		22.48099	1	3.2	3.2
		22.83322	1	3.2	6.5
		22.87405	1	3.2	9.7
		23.00844	1	3.2	12.9
		23.32250	1	3.2	16.1
		24.02824	1	3.2	19.4
		24.23991	1	3.2	22.6
		24.44917	1	3.2	25.8
		24.63511	1	3.2	29.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
6	Valid	25.53002	1	3.2	32.3
		26.26326	1	3.2	35.5
		26.78192	1	3.2	38.7
		27.48538	1	3.2	41.9
		38.51924	1	3.2	45.2
		39.07842	1	3.2	48.4
		39.85770	1	3.2	51.6
		40.25333	1	3.2	54.8
		40.29387	1	3.2	58.1
		40.34607	1	3.2	61.3
		41.05594	1	3.2	64.5
		41.16252	1	3.2	67.7
		41.36175	1	3.2	71.0
		41.88327	1	3.2	74.2
		42.09128	1	3.2	77.4
		43.76331	1	3.2	80.6
		47.45212	1	3.2	83.9
		47.93931	1	3.2	87.1
		48.78509	1	3.2	90.3
		50.49768	1	3.2	93.5
		51.19443	1	3.2	96.8
		53.98666	1	3.2	100.0
		Total	31	100.0	
		22.57169	1	3.3	3.3
		22.93636	1	3.3	6.7
		22.96047	1	3.3	10.0
		23.06508	1	3.3	13.3
		23.78083	1	3.3	16.7
		23.80585	1	3.3	20.0
		24.17423	1	3.3	23.3
		24.91705	1	3.3	26.7
		24.99249	1	3.3	30.0
		26.50706	1	3.3	33.3
		26.62276	1	3.3	36.7
		27.18521	1	3.3	40.0
		37.85768	1	3.3	43.3

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
		38.65068	1	3.3	46.7
		39.23770	1	3.3	50.0
		39.57059	1	3.3	53.3
		39.72142	1	3.3	56.7
		39.75425	1	3.3	60.0
		40.10236	1	3.3	63.3
		40.48050	1	3.3	66.7
		40.59854	1	3.3	70.0
		41.30102	1	3.3	73.3
		41.53831	1	3.3	76.7
		43.33838	1	3.3	80.0
		46.25856	1	3.3	83.3
		47.28949	1	3.3	86.7
		48.03203	1	3.3	90.0
		49.76152	1	3.3	93.3
		50.58688	1	3.3	96.7
		53.74862	1	3.3	100.0
		Total	30	100.0	
7	Valid	22.62238	1	3.1	3.1
		22.70547	1	3.1	6.3
		22.73097	1	3.1	9.4
		22.79691	1	3.1	12.5
		22.89692	1	3.1	15.6
		23.10203	1	3.1	18.8
		23.63763	1	3.1	21.9
		24.22397	1	3.1	25.0
		24.33013	1	3.1	28.1
		24.68286	1	3.1	31.3
		25.56422	1	3.1	34.4
		25.76992	1	3.1	37.5
		26.65766	1	3.1	40.6
		28.26455	1	3.1	43.8
		38.44564	1	3.1	46.9
		39.24925	1	3.1	50.0
		39.83727	1	3.1	53.1
		40.18119	1	3.1	56.3

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
8	Valid	40.27936	1	3.1	59.4
		40.79833	1	3.1	62.5
		40.81049	1	3.1	65.6
		40.83042	1	3.1	68.8
		41.35383	1	3.1	71.9
		41.70646	1	3.1	75.0
		42.35501	1	3.1	78.1
		43.62599	1	3.1	81.3
		47.08092	1	3.1	84.4
		47.65306	1	3.1	87.5
		49.48199	1	3.1	90.6
		51.19670	1	3.1	93.8
		51.33001	1	3.1	96.9
		55.04293	1	3.1	100.0
		Total	32	100.0	100.0
		22.71286	1	3.3	3.3
		22.85134	1	3.3	6.7
		22.96535	1	3.3	10.0
		23.12667	1	3.3	13.3
		23.34193	1	3.3	16.7
		23.84366	1	3.3	20.0
		23.88494	1	3.3	23.3
		24.01643	1	3.3	26.7
		25.00846	1	3.3	30.0
		25.54453	1	3.3	33.3
		26.43150	1	3.3	36.7
		27.29576	1	3.3	40.0
		38.03034	1	3.3	43.3
		38.50410	1	3.3	46.7
		39.51987	1	3.3	50.0
		39.62856	1	3.3	53.3
		39.90000	1	3.3	56.7
		39.98710	1	3.3	60.0
		40.39098	1	3.3	63.3
		40.72938	1	3.3	66.7
		40.93988	1	3.3	70.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
9	Valid	41.00078	1	3.3	73.3
		41.42189	1	3.3	76.7
		43.45781	1	3.3	80.0
		46.87171	1	3.3	83.3
		47.49648	1	3.3	86.7
		48.27060	1	3.3	90.0
		49.79124	1	3.3	93.3
		50.17983	1	3.3	96.7
		53.30663	1	3.3	100.0
		Total	30	100.0	
		22.63057	1	3.3	3.3
		22.86648	1	3.3	6.7
		22.94448	1	3.3	10.0
		23.37984	1	3.3	13.3
		23.64103	1	3.3	16.7
		23.71346	1	3.3	20.0
		24.34614	1	3.3	23.3
		24.51466	1	3.3	26.7
		25.06471	1	3.3	30.0
		26.53608	1	3.3	33.3
		26.97515	1	3.3	36.7
		27.65061	1	3.3	40.0
		37.78122	1	3.3	43.3
		39.18497	1	3.3	46.7
		39.57417	1	3.3	50.0
		39.96669	1	3.3	53.3
		40.15191	1	3.3	56.7
		40.46700	1	3.3	60.0
		40.48523	1	3.3	63.3
		40.73115	1	3.3	66.7
		41.37969	1	3.3	70.0
		41.62275	1	3.3	73.3
		42.32299	1	3.3	76.7
		43.82474	1	3.3	80.0
		46.80721	1	3.3	83.3
		46.86484	1	3.3	86.7

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent	
10	Valid	48.16682	1	3.3	3.3	90.0
		50.92535	1	3.3	3.3	93.3
		50.99337	1	3.3	3.3	96.7
		53.76756	1	3.3	3.3	100.0
		Total	30	100.0	100.0	
		22.61528	1	3.1	3.1	3.1
		22.83532	1	3.1	3.1	6.3
		22.97639	1	3.1	3.1	9.4
		23.12460	1	3.1	3.1	12.5
		23.12984	1	3.1	3.1	15.6
		23.44040	1	3.1	3.1	18.8
		23.68098	1	3.1	3.1	21.9
		24.26966	1	3.1	3.1	25.0
		24.39344	1	3.1	3.1	28.1
		24.75704	1	3.1	3.1	31.3
		25.40808	1	3.1	3.1	34.4
		26.28194	1	3.1	3.1	37.5
		26.88409	1	3.1	3.1	40.6
		28.12953	1	3.1	3.1	43.8
		38.69370	1	3.1	3.1	46.9
		39.24317	1	3.1	3.1	50.0
		40.35113	1	3.1	3.1	53.1
		40.43122	1	3.1	3.1	56.3
		40.66737	1	3.1	3.1	59.4
		40.93835	1	3.1	3.1	62.5
		41.24606	1	3.1	3.1	65.6
		41.40751	1	3.1	3.1	68.8
		41.55572	1	3.1	3.1	71.9
		42.15788	1	3.1	3.1	75.0
		42.54271	1	3.1	3.1	78.1
		44.22928	1	3.1	3.1	81.3
		47.82490	1	3.1	3.1	84.4
		48.12559	1	3.1	3.1	87.5
		49.04159	1	3.1	3.1	90.6
		51.07647	1	3.1	3.1	93.8
		51.38054	1	3.1	3.1	96.9

Imputation Number	Frequency	Percent	Valid Percent	Cumulative Percent
54.69041	1	3.1	3.1	100.0
Total	32	100.0	100.0	

Appendix L11: Mahalanobis Distances (Gang Affiliation)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	25.89912	1	50.0	50.0	50.0
		50.94294	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
2	Valid	22.52298	1	33.3	33.3	33.3
		29.82420	1	33.3	33.3	66.7
		49.43691	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
3	Valid	26.46402	1	33.3	33.3	33.3
		27.58423	1	33.3	33.3	66.7
		59.30218	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
4	Valid	23.12947	1	33.3	33.3	33.3
		26.51642	1	33.3	33.3	66.7
		55.00767	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
5	Valid	22.76139	1	33.3	33.3	33.3
		25.38917	1	33.3	33.3	66.7
		50.54708	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
6	Valid	25.09452	1	33.3	33.3	33.3
		26.69552	1	33.3	33.3	66.7
		55.24569	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
7	Valid	22.66964	1	50.0	50.0	50.0
		41.61803	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
8	Valid	23.09953	1	33.3	33.3	33.3
		25.59868	1	33.3	33.3	66.7
		49.56710	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
9	Valid	23.51937	1	33.3	33.3	33.3
		25.82918	1	33.3	33.3	66.7
		48.07211	1	33.3	33.3	100.0
		Total	3	100.0	100.0	

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
10	Valid	22.83076	1	33.3	33.3	33.3
		27.24903	1	33.3	33.3	66.7
		49.68819	1	33.3	33.3	100.0
		Total	3	100.0	100.0	

Appendix L12: Mahalanobis Distances (Minor Offence)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	39.76471	1	50.0	50.0	50.0
		44.07028	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
2	Valid	37.98606	1	50.0	50.0	50.0
		45.66168	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
3	Valid	38.97324	1	50.0	50.0	50.0
		43.78209	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
4	Valid	26.49710	1	25.0	25.0	25.0
		30.70235	1	25.0	25.0	50.0
		33.56803	1	25.0	25.0	75.0
		34.95928	1	25.0	25.0	100.0
		Total	4	100.0	100.0	
5	Valid	39.42974	1	50.0	50.0	50.0
		44.12396	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
6	Valid	32.70366	1	33.3	33.3	33.3
		37.07895	1	33.3	33.3	66.7
		38.87074	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
7	Valid	24.73037	1	33.3	33.3	33.3
		28.73975	1	33.3	33.3	66.7
		33.58248	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
8	Valid	33.81731	1	50.0	50.0	50.0
		42.33905	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
9	Valid	37.00735	1	50.0	50.0	50.0
		40.65146	1	50.0	50.0	100.0
		Total	2	100.0	100.0	
10	Valid	40.77652	1	50.0	50.0	50.0
		46.47066	1	50.0	50.0	100.0
		Total	2	100.0	100.0	

Appendix L13: Mahalanobis Distances (Drug Crimes)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	24.71018	1	25.0	25.0	25.0
		35.52072	1	25.0	25.0	50.0
		40.73992	1	25.0	25.0	75.0
		46.03828	1	25.0	25.0	100.0
		Total	4	100.0	100.0	
2	Valid	23.17748	1	20.0	20.0	20.0
		24.14545	1	20.0	20.0	40.0
		31.71552	1	20.0	20.0	60.0
		39.10696	1	20.0	20.0	80.0
		39.75091	1	20.0	20.0	100.0
		Total	5	100.0	100.0	
3	Valid	24.46370	1	25.0	25.0	25.0
		34.45323	1	25.0	25.0	50.0
		40.06084	1	25.0	25.0	75.0
		47.61090	1	25.0	25.0	100.0
		Total	4	100.0	100.0	
4	Valid	29.81844	1	33.3	33.3	33.3
		35.96980	1	33.3	33.3	66.7
		44.69359	1	33.3	33.3	100.0
		Total	3	100.0	100.0	
5	Valid	26.50928	1	25.0	25.0	25.0
		27.10235	1	25.0	25.0	50.0
		33.36623	1	25.0	25.0	75.0
		37.91187	1	25.0	25.0	100.0
		Total	4	100.0	100.0	
6	Valid	26.68889	1	25.0	25.0	25.0
		27.95980	1	25.0	25.0	50.0
		33.61401	1	25.0	25.0	75.0
		41.28653	1	25.0	25.0	100.0
		Total	4	100.0	100.0	
7	Valid	22.71258	1	25.0	25.0	25.0
		31.57048	1	25.0	25.0	50.0
		38.45945	1	25.0	25.0	75.0
		44.03641	1	25.0	25.0	100.0

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
8	Valid	Total	4	100.0	100.0	
		23.27441	1	25.0	25.0	25.0
		33.55063	1	25.0	25.0	50.0
		38.86090	1	25.0	25.0	75.0
		48.18175	1	25.0	25.0	100.0
9	Valid	Total	4	100.0	100.0	
		23.76962	1	25.0	25.0	25.0
		33.86863	1	25.0	25.0	50.0
		39.08262	1	25.0	25.0	75.0
		43.42767	1	25.0	25.0	100.0
10	Valid	Total	4	100.0	100.0	
		23.86361	1	25.0	25.0	25.0
		35.01072	1	25.0	25.0	50.0
		39.53588	1	25.0	25.0	75.0
		46.69498	1	25.0	25.0	100.0
		Total	4	100.0	100.0	

Appendix L14: Mahalanobis Distances (Property Crimes)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	33.56523	1	8.3	8.3	8.3
		34.14849	1	8.3	8.3	16.7
		34.70887	1	8.3	8.3	25.0
		35.59269	1	8.3	8.3	33.3
		35.92451	1	8.3	8.3	41.7
		36.27086	1	8.3	8.3	50.0
		36.41596	1	8.3	8.3	58.3
		36.54585	1	8.3	8.3	66.7
		37.10909	1	8.3	8.3	75.0
		37.13753	1	8.3	8.3	83.3
		44.76943	1	8.3	8.3	91.7
		45.57015	1	8.3	8.3	100.0
		Total	12	100.0	100.0	
2	Valid	22.64172	1	7.7	7.7	7.7
		35.27227	1	7.7	7.7	15.4
		35.45530	1	7.7	7.7	23.1
		35.95238	1	7.7	7.7	30.8
		37.13820	1	7.7	7.7	38.5
		37.25772	1	7.7	7.7	46.2
		37.35289	1	7.7	7.7	53.8
		37.75507	1	7.7	7.7	61.5
		37.93845	1	7.7	7.7	69.2
		38.14540	1	7.7	7.7	76.9
		39.01604	1	7.7	7.7	84.6
		45.93417	1	7.7	7.7	92.3
		46.91506	1	7.7	7.7	100.0
		Total	13	100.0	100.0	
3	Valid	22.74204	1	5.6	5.6	5.6
		22.75917	1	5.6	5.6	11.1
		22.95154	1	5.6	5.6	16.7
		22.96584	1	5.6	5.6	22.2
		23.23087	1	5.6	5.6	27.8
		23.42967	1	5.6	5.6	33.3
		23.72933	1	5.6	5.6	38.9

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
4	Valid	24.95117	1	5.6	44.4
		38.58127	1	5.6	50.0
		39.20575	1	5.6	55.6
		40.71389	1	5.6	61.1
		40.91197	1	5.6	66.7
		41.29781	1	5.6	72.2
		41.40994	1	5.6	77.8
		41.69362	1	5.6	83.3
		43.26511	1	5.6	88.9
		49.41225	1	5.6	94.4
		51.13862	1	5.6	100.0
		Total	18	100.0	
		22.94176	1	5.9	5.9
		23.09577	1	5.9	11.8
		23.38095	1	5.9	17.6
		23.58359	1	5.9	23.5
		23.75624	1	5.9	29.4
		23.76055	1	5.9	35.3
5	Valid	23.76582	1	5.9	41.2
		25.54403	1	5.9	47.1
		39.22819	1	5.9	52.9
		40.45683	1	5.9	58.8
		40.75830	1	5.9	64.7
		41.02517	1	5.9	70.6
		41.74455	1	5.9	76.5
		42.09706	1	5.9	82.4
		42.23265	1	5.9	88.2
		43.23913	1	5.9	94.1
		51.06884	1	5.9	100.0
		Total	17	100.0	
		23.53313	1	8.3	8.3
		34.90571	1	8.3	16.7
		35.92741	1	8.3	25.0
		36.70823	1	8.3	33.3
		37.29200	1	8.3	41.7
		37.42211	1	8.3	50.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
6	Valid	37.64109	1	8.3	58.3
		37.76504	1	8.3	66.7
		38.37158	1	8.3	75.0
		39.25576	1	8.3	83.3
		46.52991	1	8.3	91.7
		47.91436	1	8.3	100.0
		Total	12	100.0	
		22.96249	1	8.3	8.3
		24.20011	1	8.3	16.7
		35.08999	1	8.3	25.0
		36.64350	1	8.3	33.3
		36.83308	1	8.3	41.7
		37.20653	1	8.3	50.0
		37.46912	1	8.3	58.3
		37.96233	1	8.3	66.7
		38.04414	1	8.3	75.0
		38.55591	1	8.3	83.3
		40.33643	1	8.3	91.7
		47.15998	1	8.3	100.0
		Total	12	100.0	
7	Valid	22.85219	1	7.1	7.1
		22.99352	1	7.1	14.3
		23.00607	1	7.1	21.4
		23.45763	1	7.1	28.6
		24.42445	1	7.1	35.7
		37.46727	1	7.1	42.9
		38.96106	1	7.1	50.0
		38.96638	1	7.1	57.1
		39.18466	1	7.1	64.3
		39.36045	1	7.1	71.4
		40.00977	1	7.1	78.6
		40.06010	1	7.1	85.7
		41.83873	1	7.1	92.9
		49.78927	1	7.1	100.0
		Total	14	100.0	
8	Valid	23.66402	1	8.3	8.3

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
9	Valid	35.64635	1	8.3	8.3
		36.75774	1	8.3	8.3
		37.17344	1	8.3	8.3
		37.52107	1	8.3	8.3
		37.52250	1	8.3	8.3
		37.99788	1	8.3	8.3
		38.33633	1	8.3	8.3
		38.38923	1	8.3	8.3
		38.54978	1	8.3	8.3
		39.35749	1	8.3	8.3
		47.41355	1	8.3	8.3
		Total	12	100.0	100.0
		22.96191	1	8.3	8.3
		35.22502	1	8.3	8.3
		36.01322	1	8.3	8.3
		36.62471	1	8.3	8.3
10	Valid	37.46615	1	8.3	8.3
		37.46662	1	8.3	8.3
		37.82758	1	8.3	8.3
		38.00203	1	8.3	8.3
		38.73425	1	8.3	8.3
		39.47262	1	8.3	8.3
		46.06785	1	8.3	8.3
		46.85536	1	8.3	8.3
		Total	12	100.0	100.0
		22.84435	1	5.9	5.9
		22.93981	1	5.9	5.9
		23.02217	1	5.9	5.9
		23.24304	1	5.9	5.9
		23.25338	1	5.9	5.9
		23.40117	1	5.9	5.9
		24.21860	1	5.9	5.9
		38.80548	1	5.9	5.9
		38.90299	1	5.9	5.9
		41.08235	1	5.9	5.9
		41.08762	1	5.9	5.9

Imputation Number	Frequency	Percent	Valid Percent	Cumulative Percent
41.54830	1	5.9	5.9	70.6
41.76051	1	5.9	5.9	76.5
41.95984	1	5.9	5.9	82.4
42.47328	1	5.9	5.9	88.2
49.84989	1	5.9	5.9	94.1
50.18976	1	5.9	5.9	100.0
Total	17	100.0	100.0	

Appendix L15: Mahalanobis Distances (Violent Crime)

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
1	Valid	27.28623	1	7.7	7.7	7.7
		29.17188	1	7.7	7.7	15.4
		29.51529	1	7.7	7.7	23.1
		29.72587	1	7.7	7.7	30.8
		30.65637	1	7.7	7.7	38.5
		30.85523	1	7.7	7.7	46.2
		30.96774	1	7.7	7.7	53.8
		31.29938	1	7.7	7.7	61.5
		32.76056	1	7.7	7.7	69.2
		33.25230	1	7.7	7.7	76.9
		33.25739	1	7.7	7.7	84.6
		64.73884	1	7.7	7.7	92.3
		67.56706	1	7.7	7.7	100.0
		Total	13	100.0	100.0	
2	Valid	26.51440	1	6.7	6.7	6.7
		28.05112	1	6.7	6.7	13.3
		28.71159	1	6.7	6.7	20.0
		28.75710	1	6.7	6.7	26.7
		28.80571	1	6.7	6.7	33.3
		28.84479	1	6.7	6.7	40.0
		28.92338	1	6.7	6.7	46.7
		30.11365	1	6.7	6.7	53.3
		30.77355	1	6.7	6.7	60.0
		31.12025	1	6.7	6.7	66.7
		32.46073	1	6.7	6.7	73.3
		32.78338	1	6.7	6.7	80.0
		33.10639	1	6.7	6.7	86.7
		62.97124	1	6.7	6.7	93.3
		64.74739	1	6.7	6.7	100.0
		Total	15	100.0	100.0	
3	Valid	24.20075	1	6.3	6.3	6.3
		24.25630	1	6.3	6.3	12.5
		24.57760	1	6.3	6.3	18.8
		24.74666	1	6.3	6.3	25.0

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
4	Valid	24.83633	1	6.3	31.3
		25.41987	1	6.3	37.5
		25.42116	1	6.3	43.8
		26.23349	1	6.3	50.0
		27.15855	1	6.3	56.3
		27.84202	1	6.3	62.5
		28.49400	1	6.3	68.8
		28.93431	1	6.3	75.0
		52.74630	1	6.3	81.3
		52.94034	1	6.3	87.5
		54.31053	1	6.3	93.8
		55.40830	1	6.3	100.0
		Total	16	100.0	100.0
		24.75091	1	6.3	6.3
		26.66083	1	6.3	12.5
		26.68116	1	6.3	18.8
5	Valid	26.77966	1	6.3	25.0
		26.83599	1	6.3	31.3
		27.13762	1	6.3	37.5
		27.76769	1	6.3	43.8
		27.98643	1	6.3	50.0
		29.12578	1	6.3	56.3
		29.35967	1	6.3	62.5
		29.66472	1	6.3	68.8
		30.37603	1	6.3	75.0
		30.45360	1	6.3	81.3
		58.08046	1	6.3	87.5
		58.12873	1	6.3	93.8
		60.87466	1	6.3	100.0
		Total	16	100.0	100.0
		29.31797	1	7.7	7.7
		31.15039	1	7.7	15.4
		31.23468	1	7.7	23.1
		31.32621	1	7.7	30.8
		32.00814	1	7.7	38.5
		32.52260	1	7.7	46.2

Imputation Number		Frequency	Percent	Valid Percent	Cumulative Percent
6	Valid	32.93404	1	7.7	53.8
		33.77011	1	7.7	61.5
		34.32975	1	7.7	69.2
		34.86341	1	7.7	76.9
		35.28089	1	7.7	84.6
		69.17557	1	7.7	92.3
		71.55558	1	7.7	100.0
		Total	13	100.0	
		29.79408	1	7.7	7.7
		31.61543	1	7.7	15.4
		31.66453	1	7.7	23.1
		31.84733	1	7.7	30.8
		32.10362	1	7.7	38.5
		33.05042	1	7.7	46.2
		33.37339	1	7.7	53.8
		34.09321	1	7.7	61.5
		34.92302	1	7.7	69.2
		35.22203	1	7.7	76.9
		35.30584	1	7.7	84.6
		70.39857	1	7.7	92.3
		71.97182	1	7.7	100.0
		Total	13	100.0	
7	Valid	30.60944	1	7.7	7.7
		32.57858	1	7.7	15.4
		32.64216	1	7.7	23.1
		33.04157	1	7.7	30.8
		33.90134	1	7.7	38.5
		34.03443	1	7.7	46.2
		34.39659	1	7.7	53.8
		34.42749	1	7.7	61.5
		35.57271	1	7.7	69.2
		36.08021	1	7.7	76.9
		37.63936	1	7.7	84.6
		72.48622	1	7.7	92.3
		73.85064	1	7.7	100.0
		Total	13	100.0	

Imputation Number			Frequency	Percent	Valid Percent	Cumulative Percent
8	Valid	23.64228	1	6.3	6.3	6.3
		25.01190	1	6.3	6.3	12.5
		25.73660	1	6.3	6.3	18.8
		25.89037	1	6.3	6.3	25.0
		26.16126	1	6.3	6.3	31.3
		26.32803	1	6.3	6.3	37.5
		26.62823	1	6.3	6.3	43.8
		28.06985	1	6.3	6.3	50.0
		28.32889	1	6.3	6.3	56.3
		28.46285	1	6.3	6.3	62.5
		29.28254	1	6.3	6.3	68.8
		29.65650	1	6.3	6.3	75.0
		30.55224	1	6.3	6.3	81.3
		56.08500	1	6.3	6.3	87.5
		59.87356	1	6.3	6.3	93.8
		64.91188	1	6.3	6.3	100.0
		Total	16	100.0	100.0	
9	Valid	24.46481	1	6.7	6.7	6.7
		26.50223	1	6.7	6.7	13.3
		26.60703	1	6.7	6.7	20.0
		26.70023	1	6.7	6.7	26.7
		26.83468	1	6.7	6.7	33.3
		27.12964	1	6.7	6.7	40.0
		27.41684	1	6.7	6.7	46.7
		27.54001	1	6.7	6.7	53.3
		28.31758	1	6.7	6.7	60.0
		30.40036	1	6.7	6.7	66.7
		30.94623	1	6.7	6.7	73.3
		31.06157	1	6.7	6.7	80.0
		57.38609	1	6.7	6.7	86.7
		57.78702	1	6.7	6.7	93.3
		61.38873	1	6.7	6.7	100.0
		Total	15	100.0	100.0	
10	Valid	22.65423	1	7.7	7.7	7.7
		22.78507	1	7.7	7.7	15.4
		24.09807	1	7.7	7.7	23.1

Imputation Number	Frequency	Percent	Valid Percent	Cumulative Percent
24.11640	1	7.7	7.7	30.8
24.55103	1	7.7	7.7	38.5
24.72892	1	7.7	7.7	46.2
25.38767	1	7.7	7.7	53.8
25.62154	1	7.7	7.7	61.5
27.28908	1	7.7	7.7	69.2
46.07410	1	7.7	7.7	76.9
46.91899	1	7.7	7.7	84.6
47.72432	1	7.7	7.7	92.3
50.10697	1	7.7	7.7	100.0
Total	13	100.0	100.0	

Appendix M1: Sources of Multivariate Outliers

Imputation Number	Model	Unstandardized Coefficients		Standardized Coefficients		t	Sig.
		B	Std. Error	Beta			
1	1 (Constant)	.314	.012			26.423	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.140	.024	.141		5.812	.000
	2 (Constant)	.372	.020			18.252	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.026	.007	-.084		-3.497	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.139	.024	.140		5.807	.000
	3 (Constant)	.340	.024			14.289	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.029	.008	-.093		-3.840	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.139	.024	.140		5.814	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.021	.008	.061		2.518	.012
	4 (Constant)	.369	.027			13.914	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.025	.008	-.083		-3.343	.001
	SUBCOMPONENT 6 COMPOSITE SCORE	.135	.024	.136		5.637	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.032	.009	.095		3.408	.001
	SUBCOMPONENT 7 COMPOSITE SCORE	-.017	.007	-.070		-2.460	.014
2	1 (Constant)	.314	.012			26.472	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.137	.024	.138		5.698	.000
	2 (Constant)	.372	.020			18.286	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.026	.007	-.084		-3.499	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.136	.024	.137		5.669	.000
3	1 (Constant)	.315	.012			26.535	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.133	.024	.132		5.474	.000
	2 (Constant)	.375	.020			18.428	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.027	.007	-.088		-3.644	.000

Imputation Number	Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
3	SUBCOMPONENT 6 COMPOSITE SCORE	.132	.024	.131	5.435	.000
	(Constant)	.346	.024		14.540	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.030	.008	-.097	-3.973	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.132	.024	.131	5.433	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.020	.008	.058	2.387	.017
4	(Constant)	.373	.026		14.087	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.027	.008	-.086	-3.473	.001
	SUBCOMPONENT 6 COMPOSITE SCORE	.129	.024	.128	5.318	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.031	.010	.090	3.218	.001
	SUBCOMPONENT 7 COMPOSITE SCORE	-.016	.007	-.066	-2.306	.021
5	(Constant)	.353	.028		12.528	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.031	.008	-.100	-3.894	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.128	.024	.127	5.291	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.028	.010	.081	2.882	.004
	SUBCOMPONENT 7 COMPOSITE SCORE	-.021	.007	-.084	-2.823	.005
6	SUBCOMPONENT 2 COMPOSITE SCORE	.017	.008	.059	2.110	.035
	(Constant)	.367	.029		12.670	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.024	.009	-.078	-2.828	.005
	SUBCOMPONENT 6 COMPOSITE SCORE	.126	.024	.125	5.207	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.027	.010	.078	2.774	.006
	SUBCOMPONENT 7 COMPOSITE SCORE	-.020	.007	-.081	-2.715	.007
	SUBCOMPONENT 2 COMPOSITE SCORE	.019	.008	.065	2.329	.020

Imputation Number	Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
4	SUBCOMPONENT 5 COMPOSITE SCORE	-.014	.007	-.055	-2.056	.040
	1 (Constant)	.314	.012		26.427	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.140	.024	.140	5.805	.000
	2 (Constant)	.371	.020		18.267	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.026	.007	-.084	-3.466	.001
5	SUBCOMPONENT 6 COMPOSITE SCORE	.140	.024	.140	5.813	.000
	1 (Constant)	.313	.012		26.337	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.145	.024	.146	6.054	.000
	2 (Constant)	.369	.020		18.129	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.025	.007	-.082	-3.412	.001
6	SUBCOMPONENT 6 COMPOSITE SCORE	.144	.024	.145	6.024	.000
	1 (Constant)	.313	.012		26.372	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.143	.024	.145	5.992	.000
	2 (Constant)	.371	.020		18.257	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.026	.007	-.085	-3.510	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.142	.024	.144	5.986	.000
	3 (Constant)	.341	.024		14.360	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.029	.008	-.094	-3.848	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.143	.024	.144	6.001	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.020	.008	.059	2.404	.016
7	1 (Constant)	.313	.012		26.382	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.142	.024	.144	5.967	.000
	2 (Constant)	.357	.019		18.379	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.140	.024	.142	5.875	.000

Imputation Number	Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
8	SUBCOMPONENT 5 COMPOSITE SCORE	-.018	.006	-.069	-2.859	.004
	1 (Constant)	.312	.012		26.254	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.150	.024	.152	6.297	.000
	2 (Constant)	.368	.020		18.139	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.025	.007	-.082	-3.414	.001
9	SUBCOMPONENT 6 COMPOSITE SCORE	.149	.024	.151	6.288	.000
	1 (Constant)	.312	.012		26.269	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.149	.024	.151	6.248	.000
	2 (Constant)	.359	.019		18.533	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.146	.024	.148	6.139	.000
	SUBCOMPONENT 5 COMPOSITE SCORE	-.019	.006	-.074	-3.057	.002
	3 (Constant)	.331	.024		14.041	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.145	.024	.147	6.114	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.017	.008	.049	2.040	.041
	SUBCOMPONENT 5 COMPOSITE SCORE	-.020	.006	-.078	-3.217	.001
	4 (Constant)	.351	.025		13.842	.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.018	.008	-.058	-2.142	.032
	SUBCOMPONENT 6 COMPOSITE SCORE	.146	.024	.148	6.161	.000
	SUBCOMPONENT 8 COMPOSITE SCORE	.019	.008	.056	2.289	.022
	SUBCOMPONENT 5 COMPOSITE SCORE	-.014	.007	-.053	-2.001	.046
10	1 (Constant)	.313	.012		26.364	.000
	SUBCOMPONENT 6 COMPOSITE SCORE	.143	.024	.144	5.964	.000
	2 (Constant)	.362	.020		17.654	.000

Imputation Number	Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	SUBCOMPONENT 1 COMPOSITE SCORE	-.022	.007	-.070	-2.910	.004
	SUBCOMPONENT 6 COMPOSITE SCORE	.143	.024	.144	5.972	.000

Appendix M2: Excluded Variables for Multivariate Outliers

Imputation Number	Model	Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
1	1 SUBCOMPONENT 2 COMPOSITE SCORE	-.014 ^d	-.584	.559	-.014	1.000
	SUBCOMPONENT 3 COMPOSITE SCORE	-.027 ^d	-1.118	.264	-.027	1.000
	SUBCOMPONENT 4 COMPOSITE SCORE	-.050 ^d	-2.052	.040	-.050	1.000
	SUBCOMPONENT 5 COMPOSITE SCORE	-.057 ^d	-2.373	.018	-.058	.999
	SUBCOMPONENT 7 COMPOSITE SCORE	-.040 ^d	-1.660	.097	-.041	.996
	SUBCOMPONENT 8 COMPOSITE SCORE	.047 ^d	1.957	.051	.048	1.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.084 ^d	-3.497	.000	-.085	1.000
2	2 SUBCOMPONENT 2 COMPOSITE SCORE	.014 ^e	.553	.580	.014	.899
	SUBCOMPONENT 3 COMPOSITE SCORE	-.006 ^e	-.225	.822	-.005	.933
	SUBCOMPONENT 4 COMPOSITE SCORE	-.025 ^e	-.989	.323	-.024	.897
	SUBCOMPONENT 5 COMPOSITE SCORE	-.026 ^e	-.994	.320	-.024	.821
	SUBCOMPONENT 7 COMPOSITE SCORE	-.022 ^e	-.888	.375	-.022	.944
	SUBCOMPONENT 8 COMPOSITE SCORE	.061 ^e	2.518	.012	.061	.978
3	3 SUBCOMPONENT 2 COMPOSITE SCORE	-.006 ^f	-.231	.817	-.006	.814
	SUBCOMPONENT 3 COMPOSITE SCORE	-.022 ^f	-.872	.383	-.021	.876
	SUBCOMPONENT 4 COMPOSITE SCORE	-.045 ^f	-1.722	.085	-.042	.834
	SUBCOMPONENT 5 COMPOSITE SCORE	-.028 ^f	-1.046	.296	-.026	.820
	SUBCOMPONENT 7 COMPOSITE SCORE	-.070 ^f	-2.460	.014	-.060	.713
4	4 SUBCOMPONENT 2 COMPOSITE SCORE	.015 ^g	.533	.594	.013	.740

Imputation Number	Model				Partial Correlation	Collinearity Statistics Tolerance
		Beta In	t	Sig.		
2	SUBCOMPONENT 3 COMPOSITE SCORE	-.002 ^g	-.091	.927	-.002	.786
	SUBCOMPONENT 4 COMPOSITE SCORE	-.041 ^g	-1.562	.118	-.038	.830
	SUBCOMPONENT 5 COMPOSITE SCORE	-.021 ^g	-.797	.426	-.019	.812
	1 SUBCOMPONENT 2 COMPOSITE SCORE	-.020 ^d	-.808	.419	-.020	.999
	SUBCOMPONENT 3 COMPOSITE SCORE	-.044 ^d	-1.840	.066	-.045	.999
	SUBCOMPONENT 4 COMPOSITE SCORE	-.034 ^d	-1.404	.161	-.034	1.000
	SUBCOMPONENT 5 COMPOSITE SCORE	-.057 ^d	-2.373	.018	-.058	.998
	SUBCOMPONENT 7 COMPOSITE SCORE	-.044 ^d	-1.820	.069	-.044	.997
	SUBCOMPONENT 8 COMPOSITE SCORE	.021 ^d	.869	.385	.021	1.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.084 ^d	-3.499	.000	-.085	1.000
	2 SUBCOMPONENT 2 COMPOSITE SCORE	.009 ^e	.348	.728	.008	.893
	SUBCOMPONENT 3 COMPOSITE SCORE	-.024 ^e	-.962	.336	-.023	.931
	SUBCOMPONENT 4 COMPOSITE SCORE	-.007 ^e	-.291	.771	-.007	.895
	SUBCOMPONENT 5 COMPOSITE SCORE	-.026 ^e	-.973	.331	-.024	.815
3	SUBCOMPONENT 7 COMPOSITE SCORE	-.025 ^e	-1.022	.307	-.025	.941
	SUBCOMPONENT 8 COMPOSITE SCORE	.035 ^e	1.440	.150	.035	.975
	1 SUBCOMPONENT 2 COMPOSITE SCORE	.017 ^d	.716	.474	.017	1.000
	SUBCOMPONENT 3 COMPOSITE SCORE	-.035 ^d	-1.426	.154	-.035	.999
	SUBCOMPONENT 4 COMPOSITE SCORE	-.051 ^d	-2.129	.033	-.052	1.000
	SUBCOMPONENT 5 COMPOSITE SCORE	-.081 ^d	-3.352	.001	-.082	.998

Imputation Number	Model				Partial Correlation	Collinearity Statistics Tolerance
		Beta In	t	Sig.		
	SUBCOMPONENT 7 COMPOSITE SCORE	-.040 ^d	-1.663	.097	-.041	.998
	SUBCOMPONENT 8 COMPOSITE SCORE	.043 ^d	1.789	.074	.044	1.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.088 ^d	-3.644	.000	-.089	1.000
2	SUBCOMPONENT 2 COMPOSITE SCORE	.051 ^e	2.017	.044	.049	.894
	SUBCOMPONENT 3 COMPOSITE SCORE	-.013 ^e	-.515	.607	-.013	.934
	SUBCOMPONENT 4 COMPOSITE SCORE	-.026 ^e	-1.024	.306	-.025	.898
	SUBCOMPONENT 5 COMPOSITE SCORE	-.053 ^e	-1.975	.048	-.048	.812
	SUBCOMPONENT 7 COMPOSITE SCORE	-.020 ^e	-.822	.411	-.020	.941
	SUBCOMPONENT 8 COMPOSITE SCORE	.058 ^e	2.387	.017	.058	.976
3	SUBCOMPONENT 2 COMPOSITE SCORE	.036 ^f	1.344	.179	.033	.808
	SUBCOMPONENT 3 COMPOSITE SCORE	-.029 ^f	-1.112	.266	-.027	.882
	SUBCOMPONENT 4 COMPOSITE SCORE	-.046 ^f	-1.732	.083	-.042	.833
	SUBCOMPONENT 5 COMPOSITE SCORE	-.053 ^f	-1.998	.046	-.049	.811
	SUBCOMPONENT 7 COMPOSITE SCORE	-.066 ^f	-2.306	.021	-.056	.712
4	SUBCOMPONENT 2 COMPOSITE SCORE	.059 ^g	2.110	.035	.052	.740
	SUBCOMPONENT 3 COMPOSITE SCORE	-.011 ^g	-.393	.695	-.010	.790
	SUBCOMPONENT 4 COMPOSITE SCORE	-.043 ^g	-1.616	.106	-.039	.831
	SUBCOMPONENT 5 COMPOSITE SCORE	-.048 ^g	-1.805	.071	-.044	.805
5	SUBCOMPONENT 3 COMPOSITE SCORE	-.016 ^h	-.593	.553	-.015	.783
	SUBCOMPONENT 4 COMPOSITE SCORE	-.048 ^h	-1.822	.069	-.045	.824

Imputation Number	Model				Partial Correlation	Collinearity Statistics		
		Beta In	t	Sig.		Tolerance		
4	6	SUBCOMPONENT 5 COMPOSITE SCORE	-.055 ^h	-2.056	.040	-.050	.795	
		SUBCOMPONENT 3 COMPOSITE SCORE	-.010 ⁱ	-.373	.709	-.009	.774	
		SUBCOMPONENT 4 COMPOSITE SCORE	-.038 ⁱ	-1.379	.168	-.034	.778	
	1	SUBCOMPONENT 2 COMPOSITE SCORE	.007 ^d	.273	.785	.007	1.000	
		SUBCOMPONENT 3 COMPOSITE SCORE	-.008 ^d	-.313	.755	-.008	.999	
		SUBCOMPONENT 4 COMPOSITE SCORE	-.047 ^d	-1.954	.051	-.048	1.000	
		SUBCOMPONENT 5 COMPOSITE SCORE	-.061 ^d	-2.513	.012	-.061	.999	
		SUBCOMPONENT 7 COMPOSITE SCORE	-.028 ^d	-1.137	.256	-.028	.998	
		SUBCOMPONENT 8 COMPOSITE SCORE	.033 ^d	1.384	.167	.034	1.000	
		SUBCOMPONENT 1 COMPOSITE SCORE	-.084 ^d	-3.466	.001	-.084	1.000	
		2	SUBCOMPONENT 2 COMPOSITE SCORE	.038 ^e	1.481	.139	.036	.894
			SUBCOMPONENT 3 COMPOSITE SCORE	.014 ^e	.570	.569	.014	.936
			SUBCOMPONENT 4 COMPOSITE SCORE	-.023 ^e	-.898	.370	-.022	.898
			SUBCOMPONENT 5 COMPOSITE SCORE	-.030 ^e	-1.126	.260	-.028	.811
SUBCOMPONENT 7 COMPOSITE SCORE	-.008 ^e		-.336	.737	-.008	.943		
	SUBCOMPONENT 8 COMPOSITE SCORE	.047 ^e	1.933	.053	.047	.977		
5	1	SUBCOMPONENT 2 COMPOSITE SCORE	.000 ^d	-.011	.991	.000	1.000	
		SUBCOMPONENT 3 COMPOSITE SCORE	-.017 ^d	-.686	.493	-.017	.999	
		SUBCOMPONENT 4 COMPOSITE SCORE	-.041 ^d	-1.689	.091	-.041	1.000	
		SUBCOMPONENT 5 COMPOSITE SCORE	-.059 ^d	-2.437	.015	-.059	.999	

Imputation Number	Model				Partial Correlation	Collinearity Statistics Tolerance
		Beta In	t	Sig.		
2	SUBCOMPONENT 7 COMPOSITE SCORE	-.030 ^d	-1.227	.220	-.030	.997
	SUBCOMPONENT 8 COMPOSITE SCORE	.031 ^d	1.278	.202	.031	1.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.082 ^d	-3.412	.001	-.083	1.000
	SUBCOMPONENT 2 COMPOSITE SCORE	.029 ^e	1.141	.254	.028	.897
	SUBCOMPONENT 3 COMPOSITE SCORE	.005 ^e	.202	.840	.005	.932
	SUBCOMPONENT 4 COMPOSITE SCORE	-.016 ^e	-.638	.524	-.016	.898
	SUBCOMPONENT 5 COMPOSITE SCORE	-.029 ^e	-1.092	.275	-.027	.818
	SUBCOMPONENT 7 COMPOSITE SCORE	-.011 ^e	-.441	.659	-.011	.942
	SUBCOMPONENT 8 COMPOSITE SCORE	.044 ^e	1.804	.071	.044	.978
6	1 SUBCOMPONENT 2 COMPOSITE SCORE	-.007 ^d	-.272	.785	-.007	1.000
	SUBCOMPONENT 3 COMPOSITE SCORE	-.029 ^d	-1.195	.232	-.029	.999
	SUBCOMPONENT 4 COMPOSITE SCORE	-.043 ^d	-1.766	.078	-.043	1.000
	SUBCOMPONENT 5 COMPOSITE SCORE	-.074 ^d	-3.083	.002	-.075	.999
	SUBCOMPONENT 7 COMPOSITE SCORE	-.032 ^d	-1.310	.190	-.032	.998
	SUBCOMPONENT 8 COMPOSITE SCORE	.044 ^d	1.816	.070	.044	1.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.085 ^d	-3.510	.000	-.085	1.000
	2 SUBCOMPONENT 2 COMPOSITE SCORE	.023 ^e	.914	.361	.022	.895
	SUBCOMPONENT 3 COMPOSITE SCORE	-.007 ^e	-.276	.783	-.007	.928
	SUBCOMPONENT 4 COMPOSITE SCORE	-.017 ^e	-.668	.504	-.016	.895
	SUBCOMPONENT 5 COMPOSITE SCORE	-.047 ^e	-1.765	.078	-.043	.819

Imputation Number	Model				Partial Correlation	Collinearity Statistics Tolerance
		Beta In	t	Sig.		
3	SUBCOMPONENT 7 COMPOSITE SCORE	-.012 ^e	-.494	.621	-.012	.942
	SUBCOMPONENT 8 COMPOSITE SCORE	.059 ^e	2.404	.016	.059	.975
	SUBCOMPONENT 2 COMPOSITE SCORE	.004 ^f	.166	.868	.004	.806
	SUBCOMPONENT 3 COMPOSITE SCORE	-.022 ^f	-.872	.384	-.021	.876
	SUBCOMPONENT 4 COMPOSITE SCORE	-.037 ^f	-1.391	.164	-.034	.826
	SUBCOMPONENT 5 COMPOSITE SCORE	-.048 ^f	-1.822	.069	-.044	.819
	SUBCOMPONENT 7 COMPOSITE SCORE	-.055 ^f	-1.945	.052	-.047	.710
7	1 SUBCOMPONENT 2 COMPOSITE SCORE	-.001 ^d	-.044	.965	-.001	.999
	SUBCOMPONENT 3 COMPOSITE SCORE	-.039 ^d	-1.606	.109	-.039	.999
	SUBCOMPONENT 4 COMPOSITE SCORE	-.035 ^d	-1.450	.147	-.035	1.000
	SUBCOMPONENT 5 COMPOSITE SCORE	-.069 ^d	-2.859	.004	-.070	.999
	SUBCOMPONENT 7 COMPOSITE SCORE	-.044 ^d	-1.817	.069	-.044	.997
	SUBCOMPONENT 8 COMPOSITE SCORE	.035 ^d	1.452	.147	.035	1.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.065 ^d	-2.695	.007	-.066	1.000
	2 SUBCOMPONENT 2 COMPOSITE SCORE	.017 ^j	.691	.490	.017	.937
	SUBCOMPONENT 3 COMPOSITE SCORE	-.024 ^j	-.979	.328	-.024	.947
	SUBCOMPONENT 4 COMPOSITE SCORE	-.013 ^j	-.496	.620	-.012	.881
	SUBCOMPONENT 7 COMPOSITE SCORE	-.033 ^j	-1.332	.183	-.033	.965
	SUBCOMPONENT 8 COMPOSITE SCORE	.041 ^j	1.693	.091	.041	.993
	SUBCOMPONENT 1 COMPOSITE SCORE	-.043 ^j	-1.621	.105	-.040	.813

Imputation Number	Model					Collinearity Statistics	
		Beta In	t	Sig.	Partial Correlation	Tolerance	
8	1	SUBCOMPONENT 2 COMPOSITE SCORE	.000 ^d	.002	.999	.000	1.000
		SUBCOMPONENT 3 COMPOSITE SCORE	-.033 ^d	-1.381	.167	-.034	.999
		SUBCOMPONENT 4 COMPOSITE SCORE	-.039 ^d	-1.634	.102	-.040	1.000
		SUBCOMPONENT 5 COMPOSITE SCORE	-.057 ^d	-2.365	.018	-.058	.999
		SUBCOMPONENT 7 COMPOSITE SCORE	-.036 ^d	-1.508	.132	-.037	.998
		SUBCOMPONENT 8 COMPOSITE SCORE	.031 ^d	1.282	.200	.031	1.000
		SUBCOMPONENT 1 COMPOSITE SCORE	-.082 ^d	-3.414	.001	-.083	1.000
	2	SUBCOMPONENT 2 COMPOSITE SCORE	.030 ^e	1.186	.236	.029	.893
		SUBCOMPONENT 3 COMPOSITE SCORE	-.013 ^e	-.542	.588	-.013	.936
		SUBCOMPONENT 4 COMPOSITE SCORE	-.015 ^e	-.586	.558	-.014	.899
		SUBCOMPONENT 5 COMPOSITE SCORE	-.027 ^e	-1.010	.312	-.025	.817
		SUBCOMPONENT 7 COMPOSITE SCORE	-.018 ^e	-.720	.472	-.018	.941
		SUBCOMPONENT 8 COMPOSITE SCORE	.044 ^e	1.827	.068	.045	.977
9	1	SUBCOMPONENT 2 COMPOSITE SCORE	-.010 ^d	-.406	.684	-.010	1.000
		SUBCOMPONENT 3 COMPOSITE SCORE	-.020 ^d	-.820	.412	-.020	.998
		SUBCOMPONENT 4 COMPOSITE SCORE	-.030 ^d	-1.240	.215	-.030	1.000
		SUBCOMPONENT 5 COMPOSITE SCORE	-.074 ^d	-3.057	.002	-.074	.998
		SUBCOMPONENT 7 COMPOSITE SCORE	-.032 ^d	-1.323	.186	-.032	.998
		SUBCOMPONENT 8 COMPOSITE SCORE	.043 ^d	1.777	.076	.043	1.000
		SUBCOMPONENT 1 COMPOSITE SCORE	-.072 ^d	-3.010	.003	-.073	1.000

Imputation Number	Model				Partial Correlation	Collinearity Statistics Tolerance
		Beta In	t	Sig.		
	2 SUBCOMPONENT 2 COMPOSITE SCORE	.010 ^j	.396	.692	.010	.933
	SUBCOMPONENT 3 COMPOSITE SCORE	-.003 ^j	-.103	.918	-.003	.943
	SUBCOMPONENT 4 COMPOSITE SCORE	-.005 ^j	-.200	.841	-.005	.881
	SUBCOMPONENT 7 COMPOSITE SCORE	-.019 ^j	-.794	.428	-.019	.966
	SUBCOMPONENT 8 COMPOSITE SCORE	.049 ^j	2.040	.041	.050	.993
	SUBCOMPONENT 1 COMPOSITE SCORE	-.050 ^j	-1.874	.061	-.046	.813
3	SUBCOMPONENT 2 COMPOSITE SCORE	-.008 ^k	-.300	.764	-.007	.830
	SUBCOMPONENT 3 COMPOSITE SCORE	-.016 ^k	-.640	.522	-.016	.882
	SUBCOMPONENT 4 COMPOSITE SCORE	-.023 ^k	-.846	.398	-.021	.803
	SUBCOMPONENT 7 COMPOSITE SCORE	-.060 ^k	-2.116	.034	-.052	.720
	SUBCOMPONENT 1 COMPOSITE SCORE	-.058 ^k	-2.142	.032	-.052	.801
4	SUBCOMPONENT 2 COMPOSITE SCORE	.004 ^l	.162	.872	.004	.792
	SUBCOMPONENT 3 COMPOSITE SCORE	-.008 ^l	-.302	.763	-.007	.860
	SUBCOMPONENT 4 COMPOSITE SCORE	-.013 ^l	-.472	.637	-.012	.777
	SUBCOMPONENT 7 COMPOSITE SCORE	-.052 ^l	-1.836	.067	-.045	.706
10	1 SUBCOMPONENT 2 COMPOSITE SCORE	-.013 ^d	-.527	.598	-.013	1.000
	SUBCOMPONENT 3 COMPOSITE SCORE	-.032 ^d	-1.314	.189	-.032	.999
	SUBCOMPONENT 4 COMPOSITE SCORE	-.041 ^d	-1.695	.090	-.041	1.000
	SUBCOMPONENT 5 COMPOSITE SCORE	-.068 ^d	-2.808	.005	-.068	.998
	SUBCOMPONENT 7 COMPOSITE SCORE	-.042 ^d	-1.727	.084	-.042	.997

Imputation Number	Model					Collinearity Statistics
		Beta In	t	Sig.	Partial Correlation	Tolerance
	SUBCOMPONENT 8 COMPOSITE SCORE	.029 ^d	1.207	.227	.029	1.000
	SUBCOMPONENT 1 COMPOSITE SCORE	-.070 ^d	-2.910	.004	-.071	1.000
2	SUBCOMPONENT 2 COMPOSITE SCORE	.011 ^e	.424	.671	.010	.898
	SUBCOMPONENT 3 COMPOSITE SCORE	-.015 ^e	-.582	.560	-.014	.932
	SUBCOMPONENT 4 COMPOSITE SCORE	-.021 ^e	-.807	.420	-.020	.897
	SUBCOMPONENT 5 COMPOSITE SCORE	-.046 ^e	-1.731	.084	-.042	.816
	SUBCOMPONENT 7 COMPOSITE SCORE	-.026 ^e	-1.060	.289	-.026	.939
	SUBCOMPONENT 8 COMPOSITE SCORE	.041 ^e	1.671	.095	.041	.977

Appendix N: Multicollinearity Diagnostics

Imputation Number	Model	Dimension	Eigen value	Condition Index	Variance Proportions						
					(Constant)	GENDE R	RAC NEW	HISPANI C ORIGIN	CH S	GAN G	OFFTYP E NEW
1	1	1	3.553	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.983	1.901	.00	.05	.00	.67	.01	.11	.00
		3	.941	1.943	.00	.07	.01	.13	.01	.70	.00
		4	.707	2.241	.00	.83	.01	.00	.01	.13	.02
		5	.498	2.671	.01	.00	.07	.05	.86	.04	.01
		6	.248	3.786	.02	.01	.69	.11	.07	.00	.21
		7	.070	7.148	.96	.03	.20	.02	.00	.01	.75
2	1	1	3.581	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.986	1.906	.00	.01	.01	.75	.02	.02	.00
		3	.904	1.990	.00	.03	.01	.02	.00	.91	.00
		4	.725	2.222	.00	.89	.01	.00	.01	.03	.02
		5	.493	2.694	.01	.00	.08	.05	.86	.01	.01
		6	.243	3.842	.02	.01	.68	.15	.08	.00	.21
		7	.068	7.242	.96	.03	.20	.02	.00	.02	.75
3	1	1	3.573	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.981	1.908	.00	.01	.01	.78	.02	.00	.00
		3	.906	1.986	.00	.03	.00	.01	.00	.93	.00
		4	.725	2.220	.00	.89	.01	.00	.01	.03	.02
		5	.505	2.661	.01	.00	.07	.04	.87	.01	.01
		6	.243	3.832	.02	.01	.69	.14	.07	.00	.21
		7	.068	7.273	.96	.03	.20	.02	.00	.02	.75
4	1	1	3.576	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.981	1.909	.00	.01	.01	.79	.02	.00	.00
		3	.908	1.985	.00	.04	.00	.00	.00	.92	.00
		4	.726	2.219	.00	.89	.01	.00	.02	.03	.01
		5	.493	2.692	.01	.00	.08	.06	.85	.01	.01
		6	.248	3.795	.02	.01	.68	.12	.08	.00	.20
		7	.067	7.326	.96	.03	.20	.02	.00	.03	.76
5	1	1	3.567	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.984	1.904	.00	.04	.00	.71	.02	.07	.00
		3	.942	1.946	.00	.09	.01	.08	.01	.74	.00
		4	.704	2.251	.00	.81	.01	.00	.02	.15	.01
		5	.494	2.686	.01	.00	.08	.06	.85	.02	.01
		6	.241	3.848	.02	.01	.70	.12	.08	.01	.20
		7	.068	7.220	.95	.03	.18	.02	.00	.00	.76
6	1	1	3.555	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.984	1.900	.00	.01	.01	.78	.02	.00	.00
		3	.913	1.973	.00	.04	.00	.00	.00	.91	.00
		4	.728	2.211	.00	.89	.00	.00	.03	.04	.01
		5	.508	2.647	.01	.00	.08	.07	.82	.01	.01
		6	.245	3.813	.02	.01	.68	.12	.10	.00	.21
		7	.067	7.265	.96	.03	.20	.02	.00	.03	.76

Imputatio n Number	Mode l	Dimensio n	Eigen valu e	Conditio n Index	Variance Proportions						
					(Constant)	GENDE R	RAC E NEW	HISPANI C ORIGIN	CH S	GAN G	OFFTYP E NEW
7	1	1	3.583	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.979	1.913	.00	.04	.00	.71	.01	.07	.00
		3	.941	1.951	.00	.09	.01	.09	.01	.74	.00
		4	.699	2.264	.00	.81	.01	.00	.01	.16	.01
		5	.485	2.717	.01	.00	.07	.04	.88	.02	.01
		6	.242	3.850	.02	.01	.71	.13	.06	.01	.21
		7	.070	7.136	.96	.03	.18	.02	.01	.00	.75
8	1	1	3.553	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.987	1.897	.00	.04	.00	.65	.01	.12	.00
		3	.938	1.947	.00	.06	.01	.14	.01	.71	.00
		4	.705	2.245	.00	.83	.01	.00	.01	.12	.02
		5	.497	2.674	.01	.00	.07	.05	.87	.03	.01
		6	.250	3.769	.02	.01	.68	.12	.07	.00	.21
		7	.070	7.112	.96	.03	.21	.02	.00	.01	.75
9	1	1	3.567	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.981	1.907	.00	.01	.01	.79	.02	.00	.00
		3	.906	1.984	.00	.05	.00	.00	.00	.92	.00
		4	.728	2.214	.00	.87	.00	.00	.03	.04	.01
		5	.503	2.664	.01	.00	.08	.06	.84	.01	.01
		6	.249	3.786	.02	.01	.69	.12	.09	.00	.19
		7	.066	7.354	.96	.03	.20	.02	.00	.03	.77
10	1	1	3.566	1.000	.01	.02	.02	.01	.03	.01	.01
		2	.980	1.908	.00	.02	.00	.76	.02	.03	.00
		3	.928	1.960	.00	.08	.01	.04	.01	.83	.00
		4	.716	2.232	.00	.83	.01	.00	.01	.11	.02
		5	.492	2.692	.01	.00	.08	.05	.86	.02	.01
		6	.248	3.791	.02	.01	.68	.12	.07	.00	.21
		7	.070	7.152	.96	.04	.21	.02	.00	.00	.75

Appendix O: Analysis of Variance (ANOVA)

Imputation Number	Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Corrected Model	9847.760 ^b	10	984.776	18.093	.000	.098
	Intercept	56372.616	1	56372.616	1035.736	.000	.383
	GENDER	772.686	1	772.686	14.197	.000	.008
	RACENEW	721.152	3	240.384	4.417	.004	.008
	HISPANIC	172.487	1	172.487	3.169	.075	.002
	CHS	4139.149	1	4139.149	76.049	.000	.044
	GANG	1913.783	1	1913.783	35.162	.000	.021
	OFFTYPENEW	546.860	3	182.287	3.349	.018	.006
	Error	90785.195	1668	54.428			
	Total	749398.495	1679				
	Corrected Total	100632.955	1678				
2	Corrected Model	10100.852 ^c	10	1010.085	18.728	.000	.101
	Intercept	55804.489	1	55804.489	1034.657	.000	.383
	GENDER	591.453	1	591.453	10.966	.001	.007
	RACENEW	814.824	3	271.608	5.036	.002	.009
	HISPANIC	66.077	1	66.077	1.225	.269	.001
	CHS	5076.062	1	5076.062	94.114	.000	.053
	GANG	1325.370	1	1325.370	24.573	.000	.015
	OFFTYPENEW	607.764	3	202.588	3.756	.011	.007
	Error	89964.030	1668	53.935			
	Total	744358.724	1679				
	Corrected Total	100064.882	1678				
3	Corrected Model	9207.988 ^d	10	920.799	16.945	.000	.092
	Intercept	55593.166	1	55593.166	1023.031	.000	.380
	GENDER	503.157	1	503.157	9.259	.002	.006
	RACENEW	751.665	3	250.555	4.611	.003	.008
	HISPANIC	257.110	1	257.110	4.731	.030	.003
	CHS	4718.845	1	4718.845	86.837	.000	.049
	GANG	1138.097	1	1138.097	20.943	.000	.012
	OFFTYPENEW	510.657	3	170.219	3.132	.025	.006
	Error	90641.824	1668	54.342			
	Total	749611.084	1679				
	Corrected Total	99849.812	1678				
4	Corrected Model	9486.631 ^e	10	948.663	17.528	.000	.095
	Intercept	56399.568	1	56399.568	1042.063	.000	.385
	GENDER	521.329	1	521.329	9.632	.002	.006
	RACENEW	607.650	3	202.550	3.742	.011	.007
	HISPANIC	138.815	1	138.815	2.565	.109	.002
	CHS	5004.948	1	5004.948	92.474	.000	.053
	GANG	1215.437	1	1215.437	22.457	.000	.013
	OFFTYPENEW	448.054	3	149.351	2.759	.041	.005
	Error	90277.137	1668	54.123			
	Total	751052.514	1679				
	Corrected Total	99763.767	1678				
5	Corrected Model	9993.239 ^f	10	999.324	18.710	.000	.101
	Intercept	54658.983	1	54658.983	1023.335	.000	.380
	GENDER	664.471	1	664.471	12.440	.000	.007
	RACENEW	685.535	3	228.512	4.278	.005	.008
	HISPANIC	59.826	1	59.826	1.120	.290	.001
	CHS	4714.144	1	4714.144	88.259	.000	.050
	GANG	1814.854	1	1814.854	33.978	.000	.020
	OFFTYPENEW	388.380	3	129.460	2.424	.064	.004

Imputation Number	Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
6	Error	89092.195	1668	53.413			
	Total	749174.241	1679				
	Corrected Total	99085.435	1678				
	Corrected Model	10133.436 ^g	10	1013.344	18.897	.000	.102
	Intercept	56584.125	1	56584.125	1055.173	.000	.387
	GENDER	696.456	1	696.456	12.987	.000	.008
	RACENEW	632.600	3	210.867	3.932	.008	.007
	HISPANIC	148.536	1	148.536	2.770	.096	.002
	CHS	5378.207	1	5378.207	100.292	.000	.057
	GANG	1245.745	1	1245.745	23.230	.000	.014
	OFFTYPENEW	406.613	3	135.538	2.527	.056	.005
	Error	89447.231	1668	53.625			
	Total	748413.789	1679				
	Corrected Total	99580.667	1678				
7	Corrected Model	10334.110 ^h	10	1033.411	19.421	.000	.104
	Intercept	55650.677	1	55650.677	1045.853	.000	.385
	GENDER	777.994	1	777.994	14.621	.000	.009
	RACENEW	869.617	3	289.872	5.448	.001	.010
	HISPANIC	199.451	1	199.451	3.748	.053	.002
	CHS	4752.845	1	4752.845	89.321	.000	.051
	GANG	1692.321	1	1692.321	31.804	.000	.019
	OFFTYPENEW	361.688	3	120.563	2.266	.079	.004
	Error	88755.633	1668	53.211			
	Total	745318.186	1679				
	Corrected Total	99089.742	1678				
	Corrected Model	10406.754 ⁱ	10	1040.675	19.340	.000	.104
	Intercept	55638.470	1	55638.470	1033.975	.000	.383
	GENDER	500.847	1	500.847	9.308	.002	.006
8	RACENEW	666.049	3	222.016	4.126	.006	.007
	HISPANIC	135.157	1	135.157	2.512	.113	.002
	CHS	4866.039	1	4866.039	90.430	.000	.051
	GANG	1818.270	1	1818.270	33.790	.000	.020
	OFFTYPENEW	556.742	3	185.581	3.449	.016	.006
	Error	89755.552	1668	53.810			
	Total	748251.571	1679				
	Corrected Total	100162.305	1678				
	Corrected Model	9111.380 ^j	10	911.138	16.658	.000	.091
	Intercept	56291.529	1	56291.529	1029.136	.000	.382
	GENDER	601.965	1	601.965	11.005	.001	.007
	RACENEW	533.931	3	177.977	3.254	.021	.006
	HISPANIC	143.112	1	143.112	2.616	.106	.002
	CHS	4707.297	1	4707.297	86.060	.000	.049
9	GANG	1310.468	1	1310.468	23.958	.000	.014
	OFFTYPENEW	329.355	3	109.785	2.007	.111	.004
	Error	91236.022	1668	54.698			
	Total	749808.232	1679				
	Corrected Total	100347.402	1678				
	Corrected Model	9169.064 ^k	10	916.906	16.651	.000	.091
	Intercept	55743.324	1	55743.324	1012.320	.000	.378
	GENDER	656.258	1	656.258	11.918	.001	.007
	RACENEW	698.094	3	232.698	4.226	.006	.008
	HISPANIC	107.703	1	107.703	1.956	.162	.001
	CHS	4143.758	1	4143.758	75.252	.000	.043
	GANG	1650.022	1	1650.022	29.965	.000	.018
	Error						
	Total						
	Corrected Total						
10	Corrected Model						
	Intercept						
	GENDER						
	RACENEW						
	HISPANIC						
	CHS						
	GANG						
	Error						
	Total						
	Corrected Total						
	Corrected Model						
	Intercept						
	GENDER						
	RACENEW						
	HISPANIC						
	CHS						
	GANG						

Imputation Number	Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
	OFFTYPENEW	228.410	3	76.137	1.383	.246	.002
	Error	91848.326	1668	55.065			
	Total	745173.640	1679				
	Corrected Total	101017.390	1678				

Appendix P: Tukey-HSD for Race

Imputation Number	(I) RACENEW	(J) RACENEW	Mean Difference (I-J)	Std. Error	Sig.	97.5% Confidence Interval	
						Lower Bound	Upper Bound
1	Black	White	1.75*	.408	.000	.60	2.90
		Bi-Racial	-1.23	1.610	.870	-5.78	3.31
		Other	-1.10	1.330	.843	-4.85	2.66
	White	Black	-1.75*	.408	.000	-2.90	-.60
		Bi-Racial	-2.98	1.588	.239	-7.46	1.50
		Other	-2.84	1.302	.129	-6.51	.83
	Bi-Racial	Black	1.23	1.610	.870	-3.31	5.78
		White	2.98	1.588	.239	-1.50	7.46
		Other	.14	2.031	1.000	-5.59	5.87
	Other	Black	1.10	1.330	.843	-2.66	4.85
		White	2.84	1.302	.129	-.83	6.51
		Bi-Racial	-.14	2.031	1.000	-5.87	5.59
2	Black	White	1.78*	.406	.000	.64	2.92
		Bi-Racial	-1.66	1.603	.730	-6.18	2.87
		Other	-1.09	1.306	.838	-4.77	2.59
	White	Black	-1.78*	.406	.000	-2.92	-.64
		Bi-Racial	-3.43	1.580	.131	-7.89	1.02
		Other	-2.87	1.278	.111	-6.47	.73
	Bi-Racial	Black	1.66	1.603	.730	-2.87	6.18
		White	3.43	1.580	.131	-1.02	7.89
		Other	.56	2.009	.992	-5.10	6.23
	Other	Black	1.09	1.306	.838	-2.59	4.77
		White	2.87	1.278	.111	-.73	6.47
		Bi-Racial	-.56	2.009	.992	-6.23	5.10
3	Black	White	1.74*	.407	.000	.59	2.89
		Bi-Racial	-1.40	1.609	.820	-5.94	3.14
		Other	-.92	1.368	.907	-4.78	2.94
	White	Black	-1.74*	.407	.000	-2.89	-.59
		Bi-Racial	-3.14	1.586	.196	-7.62	1.33
		Other	-2.66	1.341	.194	-6.45	1.12
	Bi-Racial	Black	1.40	1.609	.820	-3.14	5.94
		White	3.14	1.586	.196	-1.33	7.62
		Other	.48	2.055	.996	-5.32	6.27
	Other	Black	.92	1.368	.907	-2.94	4.78
		White	2.66	1.341	.194	-1.12	6.45
		Bi-Racial	-.48	2.055	.996	-6.27	5.32
4	Black	White	1.59*	.407	.001	.45	2.74
		Bi-Racial	-1.40	1.572	.811	-5.83	3.04
		Other	-1.09	1.308	.838	-4.78	2.60
	White	Black	-1.59*	.407	.001	-2.74	-.45
		Bi-Racial	-2.99	1.549	.215	-7.36	1.38
		Other	-2.69	1.280	.154	-6.30	.92
	Bi-Racial	Black	1.40	1.572	.811	-3.04	5.83
		White	2.99	1.549	.215	-1.38	7.36
		Other	.31	1.986	.999	-5.30	5.91
	Other	Black	1.09	1.308	.838	-2.60	4.78
		White	2.69	1.280	.154	-.92	6.30
		Bi-Racial	-.31	1.986	.999	-5.91	5.30
5	Black	White	1.63*	.404	.000	.49	2.77
		Bi-Racial	-1.62	1.595	.739	-6.12	2.88

Imputation Number	(I) RACENEW	(J) RACENEW	Mean Difference (I-J)	Std. Error	Sig.	97.5% Confidence Interval	
						Lower Bound	Upper Bound
6	White	Other	-1.26	1.299	.766	-4.93	2.40
		Black	-1.63*	.404	.000	-2.77	-.49
		Bi-Racial	-3.25	1.573	.164	-7.69	1.18
	Bi-Racial	Other	-2.89	1.271	.105	-6.47	.70
		Black	1.62	1.595	.739	-2.88	6.12
		White	3.25	1.573	.164	-1.18	7.69
	Other	Other	.36	2.000	.998	-5.28	6.00
		Black	1.26	1.299	.766	-2.40	4.93
		White	2.89	1.271	.105	-.70	6.47
	Black	Bi-Racial	-.36	2.000	.998	-6.00	5.28
		White	1.75*	.405	.000	.60	2.89
		Bi-Racial	-1.30	1.599	.848	-5.81	3.21
	White	Other	-.96	1.302	.883	-4.63	2.71
		Black	-1.75*	.405	.000	-2.89	-.60
		Bi-Racial	-3.05	1.576	.214	-7.49	1.40
	Bi-Racial	Other	-2.70	1.274	.146	-6.30	.89
		Black	1.30	1.599	.848	-3.21	5.81
		White	3.05	1.576	.214	-1.40	7.49
	Other	Other	.34	2.004	.998	-5.31	6.00
		Black	.96	1.302	.883	-2.71	4.63
		White	2.70	1.274	.146	-.89	6.30
7	Black	Bi-Racial	-.34	2.004	.998	-6.00	5.31
		White	1.79*	.403	.000	.65	2.93
		Bi-Racial	-1.27	1.559	.847	-5.67	3.12
	White	Other	-.75	1.315	.941	-4.46	2.96
		Black	-1.79*	.403	.000	-2.93	-.65
		Bi-Racial	-3.06	1.536	.191	-7.39	1.27
	Bi-Racial	Other	-2.54	1.288	.199	-6.17	1.09
		Black	1.27	1.559	.847	-3.12	5.67
		White	3.06	1.536	.191	-1.27	7.39
	Other	Other	.52	1.981	.994	-5.07	6.11
		Black	.75	1.315	.941	-2.96	4.46
		White	2.54	1.288	.199	-1.09	6.17
8	Black	Bi-Racial	-.52	1.981	.994	-6.11	5.07
		White	1.69*	.405	.000	.54	2.83
		Bi-Racial	-1.96	1.601	.613	-6.47	2.56
	White	Other	-1.28	1.287	.753	-4.91	2.35
		Black	-1.69*	.405	.000	-2.83	-.54
		Bi-Racial	-3.65	1.579	.096	-8.10	.81
	Bi-Racial	Other	-2.97	1.258	.086	-6.52	.58
		Black	1.96	1.601	.613	-2.56	6.47
		White	3.65	1.579	.096	-.81	8.10
	Other	Other	.68	1.996	.986	-4.95	6.31
		Black	1.28	1.287	.753	-2.35	4.91
		White	2.97	1.258	.086	-.58	6.52
9	Black	Bi-Racial	-.68	1.996	.986	-6.31	4.95
		White	1.60*	.409	.001	.45	2.75
		Bi-Racial	-1.28	1.614	.858	-5.83	3.27
	White	Other	-.98	1.297	.875	-4.64	2.68
		Black	-1.60*	.409	.001	-2.75	-.45
		Bi-Racial	-2.88	1.592	.269	-7.37	1.61
		Other	-2.58	1.269	.176	-6.16	1.00

Imputation Number	(I) RACENEW	(J) RACENEW	Mean Difference (I-J)	Std. Error	Sig.	97.5% Confidence Interval	
						Lower Bound	Upper Bound
10	Bi-Racial	Black	1.28	1.614	.858	-3.27	5.83
		White	2.88	1.592	.269	-1.61	7.37
		Other	.30	2.012	.999	-5.37	5.98
	Other	Black	.98	1.297	.875	-2.68	4.64
		White	2.58	1.269	.176	-1.00	6.16
		Bi-Racial	-.30	2.012	.999	-5.98	5.37
	Black	White	1.74*	.410	.000	.59	2.90
		Bi-Racial	-1.30	1.586	.844	-5.78	3.17
		Other	-1.18	1.338	.814	-4.95	2.59
	White	Black	-1.74*	.410	.000	-2.90	-.59
		Bi-Racial	-3.05	1.562	.207	-7.46	1.36
		Other	-2.92	1.310	.115	-6.62	.77
	Bi-Racial	Black	1.30	1.586	.844	-3.17	5.78
		White	3.05	1.562	.207	-1.36	7.46
		Other	.12	2.016	1.000	-5.56	5.81
	Other	Black	1.18	1.338	.814	-2.59	4.95
		White	2.92	1.310	.115	-.77	6.62
		Bi-Racial	-.12	2.016	1.000	-5.81	5.56

Appendix Q: Multivariate Analysis of Variance (MANOVA)

Imputation Number	Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
1	Intercept	Pillai's Trace	.527	231.714 ^b	8.000	1661.000	.000	.527
	GENDER	Pillai's Trace	.043	9.337 ^b	8.000	1661.000	.000	.043
	RACENEW	Pillai's Trace	.066	4.687	24.000	4989.000	.000	.022
	HISPANIC	Pillai's Trace	.006	1.331 ^b	8.000	1661.000	.223	.006
	CHS	Pillai's Trace	.068	15.086 ^b	8.000	1661.000	.000	.068
	GANG	Pillai's Trace	.029	6.304 ^b	8.000	1661.000	.000	.029
	OFFTYPENEW	Pillai's Trace	.174	12.835	24.000	4989.000	.000	.058
2	Intercept	Pillai's Trace	.530	234.379 ^b	8.000	1661.000	.000	.530
	GENDER	Pillai's Trace	.041	8.908 ^b	8.000	1661.000	.000	.041
	RACENEW	Pillai's Trace	.061	4.306	24.000	4989.000	.000	.020
	HISPANIC	Pillai's Trace	.003	.709 ^b	8.000	1661.000	.684	.003
	CHS	Pillai's Trace	.074	16.552 ^b	8.000	1661.000	.000	.074
	GANG	Pillai's Trace	.017	3.596 ^b	8.000	1661.000	.000	.017
	OFFTYPENEW	Pillai's Trace	.172	12.644	24.000	4989.000	.000	.057
3	Intercept	Pillai's Trace	.529	233.411 ^b	8.000	1661.000	.000	.529
	GENDER	Pillai's Trace	.041	8.773 ^b	8.000	1661.000	.000	.041
	RACENEW	Pillai's Trace	.065	4.619	24.000	4989.000	.000	.022
	HISPANIC	Pillai's Trace	.007	1.427 ^b	8.000	1661.000	.180	.007
	CHS	Pillai's Trace	.068	15.090 ^b	8.000	1661.000	.000	.068
	GANG	Pillai's Trace	.018	3.748 ^b	8.000	1661.000	.000	.018
	OFFTYPENEW	Pillai's Trace	.191	14.103	24.000	4989.000	.000	.064
4	Intercept	Pillai's Trace	.531	234.963 ^b	8.000	1661.000	.000	.531
	GENDER	Pillai's Trace	.040	8.554 ^b	8.000	1661.000	.000	.040
	RACENEW	Pillai's Trace	.067	4.719	24.000	4989.000	.000	.022
	HISPANIC	Pillai's Trace	.005	1.109 ^b	8.000	1661.000	.354	.005

Imputation Number	Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
5	CHS	Pillai's Trace	.082	18.507 ^b	8.000	1661.000	.000	.082
	GANG	Pillai's Trace	.017	3.491 ^b	8.000	1661.000	.001	.017
	OFFTYPENEW	Pillai's Trace	.196	14.553	24.000	4989.000	.000	.065
	Intercept	Pillai's Trace	.526	230.194 ^b	8.000	1661.000	.000	.526
	GENDER	Pillai's Trace	.038	8.114 ^b	8.000	1661.000	.000	.038
	RACENEW	Pillai's Trace	.061	4.340	24.000	4989.000	.000	.020
	HISPANIC	Pillai's Trace	.003	.573 ^b	8.000	1661.000	.801	.003
	CHS	Pillai's Trace	.071	15.893 ^b	8.000	1661.000	.000	.071
6	GANG	Pillai's Trace	.026	5.500 ^b	8.000	1661.000	.000	.026
	OFFTYPENEW	Pillai's Trace	.196	14.516	24.000	4989.000	.000	.065
	Intercept	Pillai's Trace	.532	236.073 ^b	8.000	1661.000	.000	.532
	GENDER	Pillai's Trace	.040	8.604 ^b	8.000	1661.000	.000	.040
	RACENEW	Pillai's Trace	.060	4.210	24.000	4989.000	.000	.020
	HISPANIC	Pillai's Trace	.005	1.132 ^b	8.000	1661.000	.338	.005
	CHS	Pillai's Trace	.075	16.751 ^b	8.000	1661.000	.000	.075
	GANG	Pillai's Trace	.019	3.989 ^b	8.000	1661.000	.000	.019
7	OFFTYPENEW	Pillai's Trace	.176	12.928	24.000	4989.000	.000	.059
	Intercept	Pillai's Trace	.532	235.595 ^b	8.000	1661.000	.000	.532
	GENDER	Pillai's Trace	.043	9.325 ^b	8.000	1661.000	.000	.043
	RACENEW	Pillai's Trace	.062	4.421	24.000	4989.000	.000	.021
	HISPANIC	Pillai's Trace	.005	.989 ^b	8.000	1661.000	.443	.005
	CHS	Pillai's Trace	.075	16.901 ^b	8.000	1661.000	.000	.075
	GANG	Pillai's Trace	.023	4.958 ^b	8.000	1661.000	.000	.023
	OFFTYPENEW	Pillai's Trace	.186	13.735	24.000	4989.000	.000	.062
8	Intercept	Pillai's Trace	.531	235.434 ^b	8.000	1661.000	.000	.531

Imputation Number	Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
9	GENDER	Pillai's Trace	.045	9.802 ^b	8.000	1661.000	.000	.045
	RACENEW	Pillai's Trace	.065	4.575	24.000	4989.000	.000	.022
	HISPANIC	Pillai's Trace	.006	1.277 ^b	8.000	1661.000	.251	.006
	CHS	Pillai's Trace	.075	16.830 ^b	8.000	1661.000	.000	.075
	GANG	Pillai's Trace	.028	5.909 ^b	8.000	1661.000	.000	.028
	OFFTYPENEW	Pillai's Trace	.182	13.418	24.000	4989.000	.000	.061
	Intercept	Pillai's Trace	.528	232.066 ^b	8.000	1661.000	.000	.528
	GENDER	Pillai's Trace	.040	8.737 ^b	8.000	1661.000	.000	.040
	RACENEW	Pillai's Trace	.061	4.312	24.000	4989.000	.000	.020
	HISPANIC	Pillai's Trace	.006	1.268 ^b	8.000	1661.000	.256	.006
	CHS	Pillai's Trace	.073	16.233 ^b	8.000	1661.000	.000	.073
	GANG	Pillai's Trace	.016	3.447 ^b	8.000	1661.000	.001	.016
	OFFTYPENEW	Pillai's Trace	.198	14.673	24.000	4989.000	.000	.066
	Intercept	Pillai's Trace	.527	231.479 ^b	8.000	1661.000	.000	.527
10	GENDER	Pillai's Trace	.042	9.004 ^b	8.000	1661.000	.000	.042
	RACENEW	Pillai's Trace	.065	4.600	24.000	4989.000	.000	.022
	HISPANIC	Pillai's Trace	.006	1.155 ^b	8.000	1661.000	.323	.006
	CHS	Pillai's Trace	.071	15.938 ^b	8.000	1661.000	.000	.071
	GANG	Pillai's Trace	.021	4.348 ^b	8.000	1661.000	.000	.021
	OFFTYPENEW	Pillai's Trace	.162	11.904	24.000	4989.000	.000	.054

Appendix R: Pooled Within-Cell Correlations

SPSS Syntax:

```

manova SC1_Recode SC2_Recode SC3_Recode SC4_Recode SC5_Recode SC6_Recode SC7_Recode
SC8_Recode by GENDER(0,1) RACENEW(0,3) HISPANIC(0,1) CHS(0,1) GANG(0,1) OFFTYPENEW(0,3)/
contrast(GENDER)=simple(1)/
contrast (RACENEW)=simple(1)/
contrast (HISPANIC)=simple(1)/
contrast (CHS)=simple(1)/
contrast (GANG)=simple(1)/
contrast (OFFTYPENEW)=simple(1)/
print=signif(dimenr eigen) cellinfo(corr sscp) error(corr)/
noprint=signif(multiv univ hypoth)/
discrim=all/
design.

```

1

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55756							
SC2	.33170	.48758						
SC3	.23984	.33970	.57360					
SC4	.28210	.28567	.27967	.37962				
SC5	.39223	.27281	.24072	.33049	.63611			
SC6	.01383	-.00112	.03138	.01042	-.01222	.25870		
SC7	.23325	.40541	.41944	.24382	.19878	-.02671	.53357	
SC8	.17474	.33094	.25743	.29461	.11128	.01734	.48654	.52616

2

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55748							
SC2	.33357	.49062						
SC3	.24597	.32612	.57077					
SC4	.29662	.28513	.28004	.37911				
SC5	.40890	.27193	.23242	.34474	.64197			
SC6	.00727	-.00167	.04102	.01167	-.01983	.25720		
SC7	.23729	.40003	.41782	.25092	.19878	-.01228	.53360	
SC8	.17711	.33459	.25424	.30027	.12031	.01785	.47748	.51995

3

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55524							
SC2	.34764	.49017						
SC3	.23431	.34052	.57289					
SC4	.28802	.27551	.27907	.37909				
SC5	.39996	.26747	.22956	.33326	.63811			
SC6	.00796	.02346	.03700	.00152	-.02446	.25453		
SC7	.23740	.40284	.42137	.24542	.19618	-.00652	.53006	
SC8	.18618	.33534	.25071	.29954	.11550	.01509	.4808	.52442

4

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55741							
SC2	.33713	.49263						
SC3	.24371	.33812	.57406					
SC4	.28907	.28661	.29251	.38090				
SC5	.40849	.26404	.24510	.33351	.63710			
SC6	.01409	.00873	.05007	.00721	-.02188	.25527		
SC7	.24160	.39821	.42607	.24588	.20510	-.00688	.53057	
SC8	.17170	.32363	.26161	.30042	.12191	.00388	.48030	.51973

5

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55466							
SC2	.33801	.49213						
SC3	.24612	.32865	.56769					
SC4	.28094	.28879	.29664	.37580				
SC5	.39995	.25473	.23497	.33235	.63582			
SC6	.01194	.00718	.04386	.00225	-.00913	.25936		
SC7	.23908	.41040	.41278	.25246	.19901	-.01202	.52641	
SC8	.16421	.33033	.24875	.30090	.10956	.01188	.4724	.52061

6

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55871							
SC2	.34620	.48814						
SC3	.24126	.33885	.57086					
SC4	.29844	.28827	.28558	.37978				
SC5	.39462	.27028	.22539	.33204	.63863			
SC6	.03131	.02282	.05668	.01543	-.00818	.25946		
SC7	.23811	.39935	.42133	.25645	.19203	.01299	.52891	
SC8	.18542	.33795	.25231	.30478	.12236	.02197	.4857	.52297

7

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55703							
SC2	.33470	.48732						
SC3	.24175	.33035	.57264					
SC4	.28650	.28260	.28243	.37925				
SC5	.39894	.27106	.23242	.33001	.63505			
SC6	.03160	.00126	.04294	.00737	-.01148	.25523		
SC7	.23513	.39404	.42204	.24770	.19265	-.00786	.52550	
SC8	.16648	.33236	.24792	.28866	.11433	-.00015	.47547	.52149

8

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55855							
SC2	.33974	.48588						
SC3	.23501	.34181	.57231					
SC4	.28048	.28329	.27968	.37415				
SC5	.40016	.27396	.22910	.32954	.63671			
SC6	.01656	.01240	.02951	.01685	-.00316	.26153		
SC7	.23277	.40109	.41640	.23428	.19701	-.00447	.53239	
SC8	.16108	.32874	.25217	.30498	.11808	.01843	.47228	.51838

9

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55656							
SC2	.34001	.48916						
SC3	.26373	.33878	.57374					
SC4	.29785	.28858	.29759	.37696				
SC5	.40135	.27479	.24276	.33754	.63618			
SC6	.02687	.00937	.04995	.01716	-.02073	.25920		
SC7	.25091	.41191	.42769	.25383	.20328	.00012	.53316	
SC8	.17792	.33567	.25636	.30044	.11272	.02764	.48750	.52300

10

WITHIN CELLS Correlations with Std. Devs. on Diagonal

	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8
SC1	.55740							
SC2	.33761	.48704						
SC3	.24465	.35282	.57533					
SC4	.29173	.28535	.28945	.37792				
SC5	.39961	.27173	.23491	.33147	.64063			
SC6	.03289	.01893	.03975	.01721	-.01508	.25838		
SC7	.23753	.40548	.42668	.24497	.19470	-.02444	.53252	
SC8	.17471	.34093	.25772	.30190	.11377	.01311	.47931	.52198

Appendix S1: Homogeneity of Regression Full Model

SPSS Syntax:

```
MANOVA SC1_Recode BY GENDER (0,1), RACENEW (0,3) HISPANIC (0, 1), CHS(0, 1) GANG (0,1)
OFFTYPENEW (0,3)
  /PRINT = SIGNIF (BRIEF)
  /ANALYSIS=SC1_Recode
  /METHOD=SEQUENTIAL
  /DESIGN= GENDER, RACENEW, HISPANIC, CHS, GANG, OFFTYPENEW.
```

Manova

Imputation_: 1

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	515.21	1668	.31		
GENDER	2.51	1	2.51	8.13	.004
RACENEW	25.26	3	8.42	27.26	.000
HISPANIC	.28	1	.28	.92	.338
CHS	19.16	1	19.16	62.04	.000
GANG	6.41	1	6.41	20.74	.000
OFFTYPENEW	21.18	3	7.06	22.85	.000
(Model)	74.80	10	7.48	24.22	.000
(Total)	590.02	1678	.35		
R-Squared =	.127				
Adjusted R-Squared =	.122				

Imputation_: 2

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

102 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	513.23	1668	.31		
GENDER	2.29	1	2.29	7.44	.006
RACENEW	25.70	3	8.57	27.84	.000
HISPANIC	.48	1	.48	1.56	.212
CHS	24.09	1	24.09	78.30	.000
GANG	2.30	1	2.30	7.48	.006
OFFTYPENEW	24.85	3	8.28	26.92	.000
(Model)	79.71	10	7.97	25.91	.000
(Total)	592.94	1678	.35		
R-Squared =	.134				
Adjusted R-Squared =	.129				

Imputation_: 3

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 99 non-empty cells.
 1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC1_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	515.17	1668	.31		
GENDER	2.65	1	2.65	8.59	.003
RACENEW	25.04	3	8.35	27.02	.000
HISPANIC	.71	1	.71	2.30	.129
CHS	20.30	1	20.30	65.72	.000
GANG	2.58	1	2.58	8.34	.004
OFFTYPENEW	24.39	3	8.13	26.33	.000
(Model)	75.67	10	7.57	24.50	.000
(Total)	590.83	1678	.35		
R-Squared =	.128				
Adjusted R-Squared =	.123				

Imputation_: 4

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 101 non-empty cells.
 1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	517.09	1668	.31		
GENDER	2.55	1	2.55	8.23	.004
RACENEW	26.24	3	8.75	28.22	.000
HISPANIC	.33	1	.33	1.07	.301
CHS	22.15	1	22.15	71.44	.000
GANG	2.34	1	2.34	7.53	.006
OFFTYPENEW	25.93	3	8.64	27.89	.000
(Model)	79.54	10	7.95	25.66	.000
(Total)	596.63	1678	.36		
R-Squared =	.133				
Adjusted R-Squared =	.128				

Imputation_: 5

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
92 non-empty cells.
1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
SC1_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	512.70	1668	.31		
GENDER	2.89	1	2.89	9.39	.002
RACENEW	24.73	3	8.24	26.82	.000
HISPANIC	.16	1	.16	.52	.470
CHS	19.48	1	19.48	63.38	.000
GANG	6.13	1	6.13	19.96	.000
OFFTYPENEW	26.51	3	8.84	28.75	.000
(Model)	79.90	10	7.99	25.99	.000
(Total)	592.60	1678	.35		
R-Squared =	.135				
Adjusted R-Squared =	.130				

Imputation_: 6

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
102 non-empty cells.
1 design will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	519.16	1668	.31		
GENDER	2.62	1	2.62	8.42	.004
RACENEW	26.00	3	8.67	27.85	.000
HISPANIC	.22	1	.22	.70	.404
CHS	21.32	1	21.32	68.51	.000
GANG	2.87	1	2.87	9.21	.002
OFFTYPENEW	20.82	3	6.94	22.30	.000
(Model)	73.86	10	7.39	23.73	.000
(Total)	593.02	1678	.35		
R-Squared =	.125				
Adjusted R-Squared =	.119				

 Imputation_: 7

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

96 non-empty cells.

1 design will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	517.93	1668	.31		
GENDER	2.52	1	2.52	8.11	.004
RACENEW	24.37	3	8.12	26.16	.000
HISPANIC	.50	1	.50	1.61	.204
CHS	20.21	1	20.21	65.08	.000
GANG	6.02	1	6.02	19.37	.000
OFFTYPENEW	18.57	3	6.19	19.93	.000
(Model)	72.18	10	7.22	23.25	.000
(Total)	590.11	1678	.35		
R-Squared =	.122				
Adjusted R-Squared =	.117				

 Imputation_: 8

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 97 non-empty cells.
 1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	519.92	1668	.31		
GENDER	3.00	1	3.00	9.63	.002
RACENEW	26.23	3	8.74	28.05	.000
HISPANIC	.23	1	.23	.75	.386
CHS	22.90	1	22.90	73.46	.000
GANG	6.37	1	6.37	20.45	.000
OFFTYPENEW	17.21	3	5.74	18.41	.000
(Model)	75.95	10	7.60	24.37	.000
(Total)	595.87	1678	.36		
R-Squared =	.127				
Adjusted R-Squared =	.122				

Imputation_: 9

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 98 non-empty cells.
 1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	516.26	1668	.31		
GENDER	2.75	1	2.75	8.89	.003
RACENEW	23.86	3	7.95	25.70	.000
HISPANIC	.06	1	.06	.19	.661
CHS	23.30	1	23.30	75.28	.000
GANG	2.08	1	2.08	6.71	.010
OFFTYPENEW	24.34	3	8.11	26.22	.000
(Model)	76.39	10	7.64	24.68	.000
(Total)	592.65	1678	.35		
R-Squared =	.129				

Adjusted R-Squared = .124

Imputation_: 10

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

98 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC1_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC1_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	519.24	1668	.31		
GENDER	2.87	1	2.87	9.21	.002
RACENEW	23.71	3	7.90	25.39	.000
HISPANIC	.34	1	.34	1.09	.296
CHS	18.67	1	18.67	59.97	.000
GANG	5.89	1	5.89	18.93	.000
OFFTYPENEW	18.72	3	6.24	20.04	.000
(Model)	70.20	10	7.02	22.55	.000
(Total)	589.44	1678	.35		
R-Squared =	.119				
Adjusted R-Squared =	.114				

Appendix S2: Homogeneity of Regression Model 1

SPSS Syntax:

```
MANOVA SC4_Recode BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3) WITH SC1_Recode
/ANALYSIS=SC4_Recode
/METHOD=SEQUENTIAL
/DESIGN SC1_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC1_Recode BY
GENDER SC1_Recode BY RACENEW SC1_Recode BY HISPANIC SC1_Recode BY CHS SC1_Recode BY
GANG SC1_Recode BY OFFTYPENEW.
```

Imputation_: 1

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	211.50	1657	.13		
SC1_RECDE	29.20	1	29.20	228.75	.000
GENDER	.42	1	.42	3.26	.071
RACENEW	.60	3	.20	1.57	.195
HISPANIC	.05	1	.05	.43	.514
CHS	1.07	1	1.07	8.35	.004
GANG	.85	1	.85	6.65	.010
OFFTYPENEW	3.40	3	1.13	8.88	.000
SC1_RECDE BY GENDER	.12	1	.12	.97	.324
SC1_RECDE BY RACENE	.77	3	.26	2.01	.110
W					
SC1_RECDE BY HISPAN	.00	1	.00	.02	.889
IC					
SC1_RECDE BY CHS	.43	1	.43	3.40	.065
SC1_RECDE BY GANG	.14	1	.14	1.08	.299
SC1_RECDE BY OFFTYP	7.01	3	2.34	18.30	.000
ENEW					
(Model)	44.06	21	2.10	16.44	.000
(Total)	255.57	1678	.15		
R-Squared =	.172				
Adjusted R-Squared =	.162				

Imputation_: 2

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.
 102 non-empty cells.
 1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	210.05	1657	.13		
SC1_RECDE	29.66	1	29.66	233.97	.000
GENDER	.22	1	.22	1.75	.187
RACENEW	.40	3	.13	1.06	.366
HISPANIC	.00	1	.00	.00	.979
CHS	.99	1	.99	7.85	.005
GANG	.06	1	.06	.45	.502
OFFTYPENEW	3.60	3	1.20	9.47	.000
SC1_RECDE BY GENDER	.06	1	.06	.50	.480
SC1_RECDE BY RACENE	1.05	3	.35	2.77	.040
W					
SC1_RECDE BY HISPAN	.02	1	.02	.18	.669
IC					
SC1_RECDE BY CHS	.29	1	.29	2.25	.134
SC1_RECDE BY GANG	.52	1	.52	4.12	.043
SC1_RECDE BY OFFTYP	6.32	3	2.11	16.62	.000
ENEW					
(Model)	43.20	21	2.06	16.23	.000
(Total)	253.26	1678	.15		
R-Squared =	.171				
Adjusted R-Squared =	.160				

Imputation_: 3

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 99 non-empty cells.
 1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	211.15	1657	.13		
SC1_RECDE	28.63	1	28.63	224.70	.000

GENDER	.47	1	.47	3.67	.055
RACENEW	.58	3	.19	1.53	.205
HISPANIC	.10	1	.10	.76	.383
CHS	.50	1	.50	3.93	.048
GANG	.10	1	.10	.77	.381
OFFTYPENEW	4.55	3	1.52	11.90	.000
SC1_RECODE BY GENDER	.02	1	.02	.15	.698
SC1_RECODE BY RACENE	.86	3	.29	2.25	.081
W					
SC1_RECODE BY HISPAN	.05	1	.05	.42	.517
IC					
SC1_RECODE BY CHS	.53	1	.53	4.18	.041
SC1_RECODE BY GANG	.28	1	.28	2.19	.139
SC1_RECODE BY OFFTYP	5.76	3	1.92	15.06	.000
ENEW					
(Model)	42.43	21	2.02	15.86	.000
(Total)	253.58	1678	.15		
R-Squared =	.167				
Adjusted R-Squared =	.157				

Imputation_: 4

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 101 non-empty cells.
 1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC4_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	212.54	1657	.13		
SC1_RECODE	29.06	1	29.06	226.55	.000
GENDER	.43	1	.43	3.32	.069
RACENEW	.48	3	.16	1.24	.293
HISPANIC	.05	1	.05	.36	.549
CHS	.43	1	.43	3.37	.067
GANG	.11	1	.11	.85	.358
OFFTYPENEW	4.25	3	1.42	11.05	.000
SC1_RECODE BY GENDER	.07	1	.07	.51	.476
SC1_RECODE BY RACENE	.82	3	.27	2.13	.094
W					
SC1_RECODE BY HISPAN	.01	1	.01	.11	.736
IC					
SC1_RECODE BY CHS	.38	1	.38	2.97	.085
SC1_RECODE BY GANG	.26	1	.26	2.02	.155
SC1_RECODE BY OFFTYP	6.07	3	2.02	15.77	.000
ENEW					
(Model)	42.41	21	2.02	15.74	.000

(Total) 254.95 1678 .15
 R-Squared = .166
 Adjusted R-Squared = .156

 Imputation_: 5

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 92 non-empty cells.
 1 design will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	207.31	1657	.13		
SC1_RECODE	28.68	1	28.68	229.20	.000
GENDER	.38	1	.38	3.04	.081
RACENEW	.41	3	.14	1.10	.347
HISPANIC	.08	1	.08	.64	.425
CHS	.63	1	.63	5.00	.025
GANG	.85	1	.85	6.77	.009
OFFTYPENEW	4.03	3	1.34	10.75	.000
SC1_RECODE BY GENDER	.06	1	.06	.47	.493
SC1_RECODE BY RACENE	.90	3	.30	2.39	.067
W					
SC1_RECODE BY HISPAN	.10	1	.10	.79	.374
IC					
SC1_RECODE BY CHS	.29	1	.29	2.31	.129
SC1_RECODE BY GANG	.15	1	.15	1.17	.280
SC1_RECODE BY OFFTYP	5.88	3	1.96	15.66	.000
ENEW					
(Model)	42.42	21	2.02	16.15	.000
(Total)	249.73	1678	.15		
R-Squared =	.170				
Adjusted R-Squared =	.159				

 Imputation_: 6

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 102 non-empty cells.
 1 design will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	210.46	1657	.13		
SC1_RECODE	30.09	1	30.09	236.87	.000
GENDER	.40	1	.40	3.17	.075
RACENEW	.44	3	.15	1.15	.327
HISPANIC	.19	1	.19	1.51	.219
CHS	.53	1	.53	4.19	.041
GANG	.06	1	.06	.48	.488
OFFTYPENEW	4.04	3	1.35	10.61	.000
SC1_RECODE BY GENDER	.09	1	.09	.74	.390
SC1_RECODE BY RACENEW	.84	3	.28	2.20	.086
SC1_RECODE BY HISPANIC	.05	1	.05	.36	.548
SC1_RECODE BY CHS	.70	1	.70	5.50	.019
SC1_RECODE BY GANG	.73	1	.73	5.78	.016
SC1_RECODE BY OFFTYPENEW	5.78	3	1.93	15.18	.000
(Model)	43.95	21	2.09	16.48	.000
(Total)	254.41	1678	.15		
R-Squared =	.173				
Adjusted R-Squared =	.162				

Imputation_: 7

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
96 non-empty cells.
1 design will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	210.45	1657	.13		
SC1_RECODE	29.03	1	29.03	228.54	.000
GENDER	.52	1	.52	4.07	.044
RACENEW	.45	3	.15	1.17	.319
HISPANIC	.12	1	.12	.94	.332
CHS	.71	1	.71	5.59	.018
GANG	.88	1	.88	6.96	.008
OFFTYPENEW	3.49	3	1.16	9.16	.000
SC1_RECODE BY GENDER	.08	1	.08	.67	.414
SC1_RECODE BY RACENEW	.83	3	.28	2.18	.088

```

W
SC1_RECODE BY HISPAN      .12    1    .12    .93    .335
IC
SC1_RECODE BY CHS         .37    1    .37    2.89    .090
SC1_RECODE BY GANG        .26    1    .26    2.05    .153
SC1_RECODE BY OFFTYP      6.15    3    2.05    16.14    .000
ENEW
(Model)                   43.00    21    2.05    16.12    .000
(Total)                   253.46  1678    .15
R-Squared =               .170
Adjusted R-Squared =      .159

```

```

-----
Imputation_:      8
***** Analysis of Variance -- Design 1 *****
1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
97 non-empty cells.
1 design will be processed.

```

```

-----
***** Analysis of Variance -- Design 1 *****
Order of Variables for Analysis
Variates   Covariates
SC4_Reco
1 Dependent Variable
0 Covariates

```

```

-----
***** Analysis of Variance -- Design 1 *****
Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares
Source of Variation      SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL          206.60  1657    .12
SC1_RECODE                28.37    1    28.37  227.54    .000
GENDER                    .36    1    .36    2.91    .088
RACENEW                   .43    3    .14    1.15    .330
HISPANIC                  .05    1    .05    .40    .529
CHS                       1.06    1    1.06    8.47    .004
GANG                      .97    1    .97    7.78    .005
OFFTYPENEW                4.47    3    1.49   11.96    .000
SC1_RECODE BY GENDER      .06    1    .06    .51    .476
SC1_RECODE BY RACENE      .83    3    .28    2.23    .083
W
SC1_RECODE BY HISPAN      .04    1    .04    .35    .552
IC
SC1_RECODE BY CHS         .76    1    .76    6.11    .014
SC1_RECODE BY GANG        .09    1    .09    .71    .398
SC1_RECODE BY OFFTYP      5.81    3    1.94   15.54    .000
ENEW
(Model)                   43.31    21    2.06   16.54    .000
(Total)                   249.91  1678    .15
R-Squared =               .173
Adjusted R-Squared =      .163

```

```

-----
Imputation_:      9
***** Analysis of Variance -- Design 1 *****
1679 cases accepted.
0 cases rejected because of out-of-range factor values.

```

0 cases rejected because of missing data.
 98 non-empty cells.
 1 design will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	206.30	1657	.12		
SC1_RECODE	29.68	1	29.68	238.37	.000
GENDER	.30	1	.30	2.44	.119
RACENEW	.41	3	.14	1.10	.348
HISPANIC	.07	1	.07	.53	.465
CHS	.73	1	.73	5.85	.016
GANG	.01	1	.01	.12	.730
OFFTYPENEW	4.04	3	1.35	10.80	.000
SC1_RECODE BY GENDER	.02	1	.02	.19	.666
SC1_RECODE BY RACENEW	.99	3	.33	2.66	.047
W					
SC1_RECODE BY HISPANIC	.03	1	.03	.22	.642
IC					
SC1_RECODE BY CHS	.45	1	.45	3.61	.058
SC1_RECODE BY GANG	.41	1	.41	3.27	.071
SC1_RECODE BY OFFTYPENEW	7.34	3	2.45	19.65	.000
ENEW					
(Model)	44.48	21	2.12	17.01	.000
(Total)	250.78	1678	.15		
R-Squared =	.177				
Adjusted R-Squared =	.167				

Imputation_: 10

***** Analysis of Variance-- Design 1 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 98 non-empty cells.
 1 design will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC4_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC4_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	210.63	1657	.13		
SC1_RECODE	29.26	1	29.26	230.18	.000

GENDER	.30	1	.30	2.38	.123
RACENEW	.52	3	.17	1.35	.256
HISPANIC	.04	1	.04	.34	.558
CHS	.41	1	.41	3.24	.072
GANG	.70	1	.70	5.53	.019
OFFTYPENEW	2.85	3	.95	7.48	.000
SC1_RECODE BY GENDER	.01	1	.01	.08	.782
SC1_RECODE BY RACENE	.97	3	.32	2.55	.054
W					
SC1_RECODE BY HISPAN	.06	1	.06	.47	.493
IC					
SC1_RECODE BY CHS	.39	1	.39	3.04	.081
SC1_RECODE BY GANG	.05	1	.05	.39	.534
SC1_RECODE BY OFFTYP	5.92	3	1.97	15.54	.000
ENEW					
(Model)	41.49	21	1.98	15.54	.000
(Total)	252.12	1678	.15		
R-Squared =	.165				
Adjusted R-Squared =	.154				

Abbreviated	Extended
Name	Name
SC4_Reco	SC4_Recode

Appendix S3: Homogeneity of Regression Model 2

SPSS Syntax:

```

MANOVA SC7_Recode BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3) WITH SC1_Recode
SC4_Recode
  /ANALYSIS=SC7_Recode
  /METHOD=SEQUENTIAL
/DESIGN SC1_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC1_Recode BY
GENDER SC1_Recode BY RACENEW SC1_Recode BY HISPANIC SC1_Recode BY CHS SC1_Recode BY
GANG SC1_Recode BY OFFTYPENEW SC1_Recode
/DESIGN SC4_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC4_Recode BY
GENDER SC4_Recode BY RACENEW SC4_Recode BY HISPANIC SC4_Recode BY CHS SC4_Recode BY
GANG SC4_Recode BY OFFTYPENEW SC4_Recode.

```

Imputation_: 1

***** Analysis of Variance -- Design 2 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

2 designs will be processed.

Redundancies in Design Matrix

Column Effect

23 SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC7_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	443.30	1657	.27		
SC1_RECODE	27.65	1	27.65	103.35	.000
GENDER	13.88	1	13.88	51.88	.000
RACENEW	1.07	3	.36	1.34	.260
HISPANIC	.06	1	.06	.23	.630
CHS	10.46	1	10.46	39.11	.000
GANG	2.54	1	2.54	9.48	.002
OFFTYPENEW	16.64	3	5.55	20.74	.000
SC1_RECODE BY GENDER	.12	1	.12	.47	.494
SC1_RECODE BY RACENEW	1.69	3	.56	2.10	.098
SC1_RECODE BY HISPANIC	.70	1	.70	2.60	.107
SC1_RECODE BY CHS	.55	1	.55	2.06	.151
SC1_RECODE BY GANG	.04	1	.04	.16	.693
SC1_RECODE BY OFFTYPENEW	1.25	3	.42	1.55	.199

```

ENEW
SC1_RECODE      .00    0    .    .    .
(Model)         76.66   21   3.65  13.64  .000
(Total)         519.95 1678   .31
R-Squared =      .147
Adjusted R-Squared = .137

```

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

```

Column Effect
23 SC4_RECODE

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

```

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	442.55	1657	.27		
SC4_RECODE	29.83	1	29.83	111.70	.000
GENDER	10.73	1	10.73	40.17	.000
RACENEW	.37	3	.12	.46	.713
HISPANIC	.06	1	.06	.24	.622
CHS	12.70	1	12.70	47.54	.000
GANG	2.78	1	2.78	10.40	.001
OFFTYPENEW	17.89	3	5.96	22.33	.000
SC4_RECODE BY GENDER	.15	1	.15	.57	.450
SC4_RECODE BY RACENEW	.52	3	.17	.65	.586
W					
SC4_RECODE BY HISPANIC	.20	1	.20	.76	.383
IC					
SC4_RECODE BY CHS	.97	1	.97	3.62	.057
SC4_RECODE BY GANG	.26	1	.26	.97	.325
SC4_RECODE BY OFFTYP	.94	3	.31	1.18	.316
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	77.40	21	3.69	13.80	.000
(Total)	519.95	1678	.31		
R-Squared =	.149				
Adjusted R-Squared =	.138				

Imputation_: 2

***** Analysis of Variance -- Design 2 *****

```

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
102 non-empty cells.
2 designs will be processed.

```

Redundancies in Design Matrix

```

Column Effect
23 SC1_RECODE

```

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC7_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	444.50	1657	.27		
SC1_RECODE	28.66	1	28.66	106.83	.000
GENDER	14.05	1	14.05	52.37	.000
RACENEW	.98	3	.33	1.22	.302
HISPANIC	.00	1	.00	.01	.929
CHS	12.06	1	12.06	44.96	.000
GANG	2.53	1	2.53	9.42	.002
OFFTYPENEW	17.55	3	5.85	21.81	.000
SC1_RECODE BY GENDER	.25	1	.25	.93	.336
SC1_RECODE BY RACENEW	1.83	3	.61	2.27	.078
W					
SC1_RECODE BY HISPANIC	.82	1	.82	3.06	.081
IC					
SC1_RECODE BY CHS	.06	1	.06	.22	.635
SC1_RECODE BY GANG	.02	1	.02	.08	.771
SC1_RECODE BY OFFTYPENEW	1.18	3	.39	1.46	.223
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	79.98	21	3.81	14.20	.000
(Total)	524.48	1678	.31		
R-Squared =	.153				
Adjusted R-Squared =	.142				

 ***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

Column Effect

23 SC4_RECODE

 ***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC7_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	441.83	1657	.27		
SC4_RECODE	31.29	1	31.29	117.34	.000
GENDER	11.30	1	11.30	42.39	.000
RACENEW	.24	3	.08	.31	.821
HISPANIC	.00	1	.00	.02	.896
CHS	15.01	1	15.01	56.28	.000
GANG	2.97	1	2.97	11.12	.001

```

OFFTYPENEW      18.96    3    6.32   23.70   .000
SC4_RECODE BY GENDER    .07    1    .07    .25   .616
SC4_RECODE BY RACENE    .55    3    .18    .68   .563
W
SC4_RECODE BY HISPAN    .26    1    .26    .99   .320
IC
SC4_RECODE BY CHS      1.46    1    1.46    5.49   .019
SC4_RECODE BY GANG      .00    1    .00    .01   .933
SC4_RECODE BY OFFTYP    .54    3    .18    .67   .568
ENEW
SC4_RECODE          .00    0    .    .    .
(Model)      82.65    21    3.94   14.76   .000
(Total)     524.48   1678    .31
R-Squared =      .158
Adjusted R-Squared = .147

```

Imputation_: 3

***** Analysis of Variance-- Design 2 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
99 non-empty cells.
2 designs will be processed.

Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	442.80	1657	.27		
SC1_RECODE	29.61	1	29.61	110.81	.000
GENDER	12.66	1	12.66	47.37	.000
RACENEW	1.12	3	.37	1.40	.243
HISPANIC	.02	1	.02	.09	.766
CHS	11.53	1	11.53	43.15	.000
GANG	2.04	1	2.04	7.63	.006
OFFTYPENEW	17.56	3	5.85	21.90	.000
SC1_RECODE BY GENDER	.23	1	.23	.87	.350
SC1_RECODE BY RACENE	1.42	3	.47	1.77	.151
W					
SC1_RECODE BY HISPAN	.76	1	.76	2.85	.092
IC					
SC1_RECODE BY CHS	.28	1	.28	1.06	.304
SC1_RECODE BY GANG	.01	1	.01	.06	.815
SC1_RECODE BY OFFTYP	.50	3	.17	.62	.601
ENEW					
SC1_RECODE	.00	0	.	.	.

(Model) 77.75 21 3.70 13.85 .000
 (Total) 520.55 1678 .31
 R-Squared = .149
 Adjusted R-Squared = .139

***** Analysis of Variance--Design 2 *****

Redundancies in Design Matrix

Column Effect
 23 SC4_RECODE

***** Analysis of Variance--Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC7_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance--Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	441.61	1657	.27		
SC4_RECODE	29.09	1	29.09	109.16	.000
GENDER	9.46	1	9.46	35.51	.000
RACENEW	.36	3	.12	.46	.713
HISPANIC	.04	1	.04	.14	.710
CHS	15.09	1	15.09	56.61	.000
GANG	2.46	1	2.46	9.22	.002
OFFTYPENEW	19.79	3	6.60	24.75	.000
SC4_RECODE BY GENDER	.19	1	.19	.70	.404
SC4_RECODE BY RACENE	.51	3	.17	.64	.589
W					
SC4_RECODE BY HISPAN	.14	1	.14	.51	.475
IC					
SC4_RECODE BY CHS	1.19	1	1.19	4.45	.035
SC4_RECODE BY GANG	.01	1	.01	.02	.883
SC4_RECODE BY OFFTYP	.63	3	.21	.78	.504
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	78.94	21	3.76	14.10	.000
(Total)	520.55	1678	.31		
R-Squared =	.152				
Adjusted R-Squared =	.141				

Imputation_: 4

***** Analysis of Variance--Design 2 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 101 non-empty cells.
 2 designs will be processed.

Redundancies in Design Matrix

Column Effect
 23 SC1_RECODE

***** Analysis of Variance--Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC7_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	434.50	1657	.26		
SC1_RECODE	28.83	1	28.83	109.93	.000
GENDER	14.55	1	14.55	55.49	.000
RACENEW	1.44	3	.48	1.83	.140
HISPANIC	.01	1	.01	.03	.854
CHS	13.25	1	13.25	50.51	.000
GANG	1.94	1	1.94	7.41	.007
OFFTYPENEW	17.51	3	5.84	22.26	.000
SC1_RECODE BY GENDER	.23	1	.23	.88	.347
SC1_RECODE BY RACENEW	1.51	3	.50	1.91	.125
W					
SC1_RECODE BY HISPANIC	.93	1	.93	3.55	.060
IC					
SC1_RECODE BY CHS	1.14	1	1.14	4.36	.037
SC1_RECODE BY GANG	.00	1	.00	.01	.915
SC1_RECODE BY OFFTYPENEW	.43	3	.14	.55	.649
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	81.77	21	3.89	14.85	.000
(Total)	516.27	1678	.31		
R-Squared =	.158				
Adjusted R-Squared =	.148				

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

Column Effect
 23 SC4_RECODE

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC7_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	433.96	1657	.26		
SC4_RECODE	28.71	1	28.71	109.61	.000
GENDER	11.26	1	11.26	42.99	.000
RACENEW	.51	3	.17	.64	.586
HISPANIC	.01	1	.01	.05	.816
CHS	17.31	1	17.31	66.11	.000
GANG	2.28	1	2.28	8.72	.003
OFFTYPENEW	18.46	3	6.15	23.49	.000
SC4_RECODE BY GENDER	.10	1	.10	.37	.543

```

SC4_RECODE BY RACENE      .62   3   .21   .79   .499
W
SC4_RECODE BY HISPAN      .41   1   .41   1.58   .209
IC
SC4_RECODE BY CHS        2.19   1   2.19   8.35   .004
SC4_RECODE BY GANG       .01   1   .01   .05   .818
SC4_RECODE BY OFFTYP     .43   3   .14   .55   .648
ENEW
SC4_RECODE                .00   0   .   .   .
(Model)                   82.31  21   3.92  14.97   .000
(Total)                   516.27 1678   .31
R-Squared =               .159
Adjusted R-Squared =     .149

```

Imputation_: 5

***** Analysis of Variance -- Design 2 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 92 non-empty cells.
 2 designs will be processed.

Redundancies in Design Matrix

Column Effect
 23 SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC7_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	431.61	1657	.26		
SC1_RECODE	28.85	1	28.85	110.77	.000
GENDER	13.39	1	13.39	51.40	.000
RACENEW	1.26	3	.42	1.62	.183
HISPANIC	.01	1	.01	.04	.838
CHS	13.58	1	13.58	52.15	.000
GANG	2.94	1	2.94	11.29	.001
OFFTYPENEW	16.30	3	5.43	20.86	.000
SC1_RECODE BY GENDER	.28	1	.28	1.06	.302
SC1_RECODE BY RACENE	1.70	3	.57	2.18	.089
W					
SC1_RECODE BY HISPAN	.35	1	.35	1.33	.249
IC					
SC1_RECODE BY CHS	.05	1	.05	.18	.675
SC1_RECODE BY GANG	.00	1	.00	.01	.904
SC1_RECODE BY OFFTYP	.77	3	.26	.98	.400
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	79.48	21	3.78	14.53	.000
(Total)	511.10	1678	.30		

R-Squared = .156
Adjusted R-Squared = .145

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column Effect
23 SC4_RECODE

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	430.78	1657	.26		
SC4_RECODE	29.65	1	29.65	114.05	.000
GENDER	10.19	1	10.19	39.20	.000
RACENEW	.44	3	.15	.57	.638
HISPANIC	.01	1	.01	.02	.886
CHS	16.88	1	16.88	64.94	.000
GANG	3.17	1	3.17	12.21	.000
OFFTYPENEW	17.43	3	5.81	22.34	.000
SC4_RECODE BY GENDER	.04	1	.04	.14	.713
SC4_RECODE BY RACENE	.82	3	.27	1.05	.368
W					
SC4_RECODE BY HISPAN	.13	1	.13	.52	.472
IC					
SC4_RECODE BY CHS	.95	1	.95	3.64	.057
SC4_RECODE BY GANG	.28	1	.28	1.07	.302
SC4_RECODE BY OFFTYP	.33	3	.11	.42	.739
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	80.31	21	3.82	14.71	.000
(Total)	511.10	1678	.30		

R-Squared = .157
Adjusted R-Squared = .146

Imputation_: 6

***** Analysis of Variance-- Design 2 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
102 non-empty cells.
2 designs will be processed.

Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	435.14	1657	.26		
SC1_RECODE	29.33	1	29.33	111.67	.000
GENDER	13.74	1	13.74	52.34	.000
RACENEW	1.31	3	.44	1.66	.174
HISPANIC	.00	1	.00	.02	.900
CHS	13.46	1	13.46	51.27	.000
GANG	2.01	1	2.01	7.65	.006
OFFTYPENEW	14.68	3	4.89	18.63	.000
SC1_RECODE BY GENDER	.29	1	.29	1.11	.293
SC1_RECODE BY RACENEW	1.55	3	.52	1.97	.116
SC1_RECODE BY HISPANIC	.92	1	.92	3.50	.062
SC1_RECODE BY CHS	.61	1	.61	2.34	.126
SC1_RECODE BY GANG	.03	1	.03	.11	.740
SC1_RECODE BY OFFTYPENEW	.50	3	.17	.63	.594
SC1_RECODE (Model)	78.44	21	3.74	14.22	.000
(Total)	513.59	1678	.31		
R-Squared =	.153				
Adjusted R-Squared =	.142				

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column Effect
23 SC4_RECODE

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	431.01	1657	.26		
SC4_RECODE	31.65	1	31.65	121.66	.000
GENDER	10.53	1	10.53	40.48	.000
RACENEW	.43	3	.14	.55	.646
HISPANIC	.00	1	.00	.00	.978
CHS	17.04	1	17.04	65.53	.000
GANG	2.48	1	2.48	9.54	.002
OFFTYPENEW	17.17	3	5.72	22.01	.000
SC4_RECODE BY GENDER	.20	1	.20	.77	.379
SC4_RECODE BY RACENEW	.60	3	.20	.77	.508

```

SC4_RECODE BY HISPAN      .37    1    .37    1.41    .236
IC
SC4_RECODE BY CHS         1.45    1    1.45    5.57    .018
SC4_RECODE BY GANG        .00     1    .00     .01     .913
SC4_RECODE BY OFFTYP      .64     3    .21     .82     .480
ENEW
SC4_RECODE                .00     0    .        .        .
(Model)                   82.57    21    3.93    15.12    .000
(Total)                   513.59   1678    .31
R-Squared =               .161
Adjusted R-Squared =      .150
-----

```

Imputation_: 7

***** Analysis of Variance -- Design 2 *****

```

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
96 non-empty cells.
2 designs will be processed.
-----

```

Redundancies in Design Matrix

```

Column Effect
23 SC1_RECODE
-----

```

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

```

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates
-----

```

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	429.53	1657	.26		
SC1_RECODE	27.88	1	27.88	107.56	.000
GENDER	12.53	1	12.53	48.34	.000
RACENEW	1.07	3	.36	1.37	.249
HISPANIC	.23	1	.23	.90	.343
CHS	13.20	1	13.20	50.93	.000
GANG	3.07	1	3.07	11.86	.001
OFFTYPENEW	18.20	3	6.07	23.40	.000
SC1_RECODE BY GENDER	.21	1	.21	.79	.373
SC1_RECODE BY RACENEW	1.75	3	.58	2.25	.081
W					
SC1_RECODE BY HISPANIC	.66	1	.66	2.54	.111
IC					
SC1_RECODE BY CHS	.69	1	.69	2.65	.104
SC1_RECODE BY GANG	.16	1	.16	.62	.429
SC1_RECODE BY OFFTYP	.52	3	.17	.67	.572
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	80.17	21	3.82	14.73	.000
(Total)	509.70	1678	.30		

R-Squared = .157
Adjusted R-Squared = .147

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column Effect
23 SC4_RECODE

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	426.63	1657	.26		
SC4_RECODE	31.71	1	31.71	123.17	.000
GENDER	9.36	1	9.36	36.34	.000
RACENEW	.31	3	.10	.40	.757
HISPANIC	.22	1	.22	.87	.352
CHS	16.11	1	16.11	62.58	.000
GANG	3.19	1	3.19	12.39	.000
OFFTYPENEW	18.82	3	6.27	24.37	.000
SC4_RECODE BY GENDER	.13	1	.13	.49	.482
SC4_RECODE BY RACENE	.55	3	.18	.71	.544
W					
SC4_RECODE BY HISPAN	.41	1	.41	1.58	.209
IC					
SC4_RECODE BY CHS	1.38	1	1.38	5.36	.021
SC4_RECODE BY GANG	.25	1	.25	.98	.322
SC4_RECODE BY OFFTYP	.63	3	.21	.82	.482
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	83.07	21	3.96	15.36	.000
(Total)	509.70	1678	.30		

R-Squared = .163
Adjusted R-Squared = .152

Imputation_: 8

***** Analysis of Variance-- Design 2 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
97 non-empty cells.
2 designs will be processed.

Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	439.08	1657	.26		
SC1_RECDE	29.47	1	29.47	111.20	.000
GENDER	12.57	1	12.57	47.45	.000
RACENEW	1.32	3	.44	1.66	.175
HISPANIC	.00	1	.00	.00	.959
CHS	11.30	1	11.30	42.64	.000
GANG	2.61	1	2.61	9.85	.002
OFFTYPENEW	18.96	3	6.32	23.85	.000
SC1_RECDE BY GENDER	.18	1	.18	.69	.405
SC1_RECDE BY RACENE	1.32	3	.44	1.66	.175
W					
SC1_RECDE BY HISPAN	.71	1	.71	2.69	.101
IC					
SC1_RECDE BY CHS	.21	1	.21	.79	.375
SC1_RECDE BY GANG	.04	1	.04	.15	.699
SC1_RECDE BY OFFTYP	2.04	3	.68	2.56	.053
ENEW					
SC1_RECDE	.00	0	.	.	.
(Model)	80.73	21	3.84	14.51	.000
(Total)	519.81	1678	.31		
R-Squared =	.155				
Adjusted R-Squared =	.145				

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column Effect
23 SC4_RECDE

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	440.24	1657	.27		
SC4_RECDE	27.31	1	27.31	102.79	.000
GENDER	9.48	1	9.48	35.67	.000
RACENEW	.44	3	.15	.55	.648
HISPANIC	.00	1	.00	.00	.945
CHS	14.52	1	14.52	54.63	.000
GANG	2.90	1	2.90	10.92	.001
OFFTYPENEW	20.98	3	6.99	26.32	.000
SC4_RECDE BY GENDER	.19	1	.19	.73	.394
SC4_RECDE BY RACENE	.38	3	.13	.48	.698
W					

```

SC4_RECODE BY HISPAN      .44    1    .44    1.64    .200
IC
SC4_RECODE BY CHS        2.12    1    2.12    7.96    .005
SC4_RECODE BY GANG       .10     1    .10     .37     .545
SC4_RECODE BY OFFTYP     .72     3    .24     .91     .436
ENEW
SC4_RECODE                .00     0    .        .        .
(Model)                   79.57   21    3.79   14.26   .000
(Total)                   519.81 1678   .31
R-Squared =               .153
Adjusted R-Squared =      .142

```

Imputation_: 9

***** Analysis of Variance -- Design 2 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
98 non-empty cells.
2 designs will be processed.

Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
SC7_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	439.00	1657	.26		
SC1_RECODE	29.02	1	29.02	109.53	.000
GENDER	13.20	1	13.20	49.81	.000
RACENEW	1.60	3	.53	2.02	.109
HISPANIC	.02	1	.02	.07	.785
CHS	9.51	1	9.51	35.88	.000
GANG	2.64	1	2.64	9.95	.002
OFFTYPENEW	18.53	3	6.18	23.32	.000
SC1_RECODE BY GENDER	.25	1	.25	.96	.328
SC1_RECODE BY RACENEW	1.53	3	.51	1.93	.123
W					
SC1_RECODE BY HISPANIC	.56	1	.56	2.11	.147
IC					
SC1_RECODE BY CHS	.31	1	.31	1.18	.278
SC1_RECODE BY GANG	.18	1	.18	.67	.414
SC1_RECODE BY OFFTYP	.63	3	.21	.79	.497
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	77.98	21	3.71	14.02	.000
(Total)	516.97	1678	.31		
R-Squared =	.151				
Adjusted R-Squared =	.140				

 ***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

Column Effect
 23 SC4_RECODE

 ***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC7_Reco
 1 Dependent Variable
 0 Covariates

 ***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	438.53	1657	.26		
SC4_RECODE	29.48	1	29.48	111.40	.000
GENDER	10.22	1	10.22	38.61	.000
RACENEW	.59	3	.20	.74	.527
HISPANIC	.01	1	.01	.03	.858
CHS	12.64	1	12.64	47.78	.000
GANG	3.22	1	3.22	12.17	.000
OFFTYPENEW	19.41	3	6.47	24.44	.000
SC4_RECODE BY GENDER	.09	1	.09	.34	.559
SC4_RECODE BY RACENEW	.56	3	.19	.70	.549
W					
SC4_RECODE BY HISPANIC	.26	1	.26	.98	.323
IC					
SC4_RECODE BY CHS	1.23	1	1.23	4.65	.031
SC4_RECODE BY GANG	.08	1	.08	.30	.582
SC4_RECODE BY OFFTYPENEW	.65	3	.22	.82	.481
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	78.44	21	3.74	14.11	.000
(Total)	516.97	1678	.31		
R-Squared =	.152				
Adjusted R-Squared =	.141				

 Imputation_: 10

***** Analysis of Variance -- Design 2 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 98 non-empty cells.
 2 designs will be processed.

 Redundancies in Design Matrix

Column Effect
 23 SC1_RECODE

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC7_Reco
 1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	442.70	1657	.27		
SC1_RECODE	29.37	1	29.37	109.93	.000
GENDER	12.82	1	12.82	48.00	.000
RACENEW	1.09	3	.36	1.36	.252
HISPANIC	.01	1	.01	.04	.835
CHS	12.34	1	12.34	46.20	.000
GANG	2.08	1	2.08	7.79	.005
OFFTYPENEW	16.59	3	5.53	20.70	.000
SC1_RECODE BY GENDER	.32	1	.32	1.20	.274
SC1_RECODE BY RACENEW	1.69	3	.56	2.11	.097
W					
SC1_RECODE BY HISPANIC	.86	1	.86	3.20	.074
IC					
SC1_RECODE BY CHS	.43	1	.43	1.60	.206
SC1_RECODE BY GANG	.00	1	.00	.01	.933
SC1_RECODE BY OFFTYPENEW	.59	3	.20	.74	.529
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	78.20	21	3.72	13.94	.000
(Total)	520.90	1678	.31		
R-Squared =	.150				
Adjusted R-Squared =	.139				

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column	Effect
23	SC4_RECODE

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates	Covariates
SC7_Reco	
1	Dependent Variable
0	Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC7_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	441.36	1657	.27		
SC4_RECODE	30.69	1	30.69	115.21	.000
GENDER	9.83	1	9.83	36.89	.000
RACENEW	.46	3	.15	.58	.631
HISPANIC	.01	1	.01	.03	.869
CHS	15.73	1	15.73	59.06	.000
GANG	2.31	1	2.31	8.68	.003
OFFTYPENEW	17.41	3	5.80	21.79	.000
SC4_RECODE BY GENDER	.03	1	.03	.11	.741
SC4_RECODE BY RACENEW	.58	3	.19	.73	.533
W					
SC4_RECODE BY HISPANIC	.11	1	.11	.41	.523
IC					

SC4_RECODE BY CHS	1.22	1	1.22	4.57	.033
SC4_RECODE BY GANG	.04	1	.04	.15	.701
SC4_RECODE BY OFFTYP	1.13	3	.38	1.41	.237

ENEW

SC4_RECODE	.00	0	.	.	.
(Model)	79.54	21	3.79	14.22	.000
(Total)	520.90	1678	.31		

R-Squared = .153
Adjusted R-Squared = .142

Abbreviated	Extended
Name	Name
SC7_Reco	SC7_Recode

Appendix S4: Homogeneity of Regression Model 3

SPSS Syntax:

```

MANOVA SC8_Recode BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3) WITH SC1_Recode
SC4_Recode SC7_Recode
  /ANALYSIS=SC8_Recode
  /METHOD=SEQUENTIAL
/DESIGN SC1_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC1_Recode BY
GENDER SC1_Recode BY RACENEW SC1_Recode BY HISPANIC SC1_Recode BY CHS SC1_Recode BY
GANG SC1_Recode BY OFFTYPENEW SC1_Recode
/DESIGN SC4_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC4_Recode BY
GENDER SC4_Recode BY RACENEW SC4_Recode BY HISPANIC SC4_Recode BY CHS SC4_Recode BY
GANG SC4_Recode BY OFFTYPENEW SC4_Recode
/DESIGN SC7_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC7_Recode BY
GENDER SC7_Recode BY RACENEW SC7_Recode BY HISPANIC SC7_Recode BY CHS SC7_Recode BY
GANG SC7_Recode BY OFFTYPENEW SC7_Recode.

```

Imputation_: 1

***** Analysis of Variance -- Design 3 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

3 designs will be processed.

Redundancies in Design Matrix

Column Effect

23 SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC8_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	440.06	1657	.27		
SC1_RECODE	14.05	1	14.05	52.92	.000
GENDER	1.93	1	1.93	7.28	.007
RACENEW	2.85	3	.95	3.58	.013
HISPANIC	.05	1	.05	.17	.677
CHS	2.78	1	2.78	10.47	.001
GANG	3.44	1	3.44	12.94	.000
OFFTYPENEW	1.79	3	.60	2.25	.081
SC1_RECODE BY GENDER	1.71	1	1.71	6.45	.011
SC1_RECODE BY RACENEW	.71	3	.24	.89	.445
W					
SC1_RECODE BY HISPANIC	.65	1	.65	2.45	.118
IC					

```

SC1_RECODE BY CHS      .03   1   .03   .10   .749
SC1_RECODE BY GANG      .10   1   .10   .39   .531
SC1_RECODE BY OFFTYP    2.95   3   .98   3.71   .011
ENEW
SC1_RECODE              .00   0   .   .   .
(Model)                 33.06  21   1.57  5.93   .000
(Total)                 473.12 1678 .28
R-Squared =             .070
Adjusted R-Squared =    .058

```

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

```

Column Effect
23 SC4_RECODE

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

```

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation  SS   DF   MS   F   Sig of F
WITHIN+RESIDUAL      418.81 1657   .25
SC4_RECODE           39.64   1  39.64 156.83   .000
GENDER                1.06   1   1.06   4.18   .041
RACENEW               2.82   3    .94   3.71   .011
HISPANIC              .03   1    .03    .11   .743
CHS                   2.57   1   2.57  10.18   .001
GANG                  2.83   1   2.83  11.21   .001
OFFTYPENEW           2.02   3    .67   2.67   .046
SC4_RECODE BY GENDER  1.04   1   1.04   4.12   .043
SC4_RECODE BY RACENE  .87   3    .29   1.15   .329
W
SC4_RECODE BY HISPAN  .04   1    .04    .15   .697
IC
SC4_RECODE BY CHS     .20   1    .20    .80   .370
SC4_RECODE BY GANG    .02   1    .02    .07   .789
SC4_RECODE BY OFFTYP  1.17   3    .39   1.54   .201
ENEW
SC4_RECODE           .00   0   .   .   .
(Model)              54.31  21   2.59 10.23   .000
(Total)              473.12 1678 .28
R-Squared =          .115
Adjusted R-Squared = .104

```

***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

```

Column Effect
23 SC7_RECODE

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

```

Variates Covariates

```

SC8_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	347.52	1657	.21		
SC7_RECODE	116.51	1	116.51	555.51	.000
GENDER	.21	1	.21	1.01	.316
RACENEW	1.04	3	.35	1.65	.175
HISPANIC	.02	1	.02	.08	.781
CHS	.15	1	.15	.72	.396
GANG	1.56	1	1.56	7.42	.007
OFFTYPENEW	3.67	3	1.22	5.84	.001
SC7_RECODE BY GENDER	.80	1	.80	3.82	.051
SC7_RECODE BY RACENEW	.08	3	.03	.13	.944
W					
SC7_RECODE BY HISPANIC	.22	1	.22	1.04	.308
IC					
SC7_RECODE BY CHS	.67	1	.67	3.17	.075
SC7_RECODE BY GANG	.19	1	.19	.90	.342
SC7_RECODE BY OFFTYPENEW	.50	3	.17	.79	.500
ENEW					
SC7_RECODE	.00	0	.	.	.
(Model)	125.61	21	5.98	28.52	.000
(Total)	473.12	1678	.28		
R-Squared =	.265				
Adjusted R-Squared =	.256				

Imputation_: 2

***** Analysis of Variance-- Design 3 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
102 non-empty cells.
3 designs will be processed.

Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	432.91	1657	.26		
SC1_RECODE	14.69	1	14.69	56.24	.000
GENDER	2.31	1	2.31	8.83	.003
RACENEW	2.71	3	.90	3.46	.016

HISPANIC	.09	1	.09	.33	.564
CHS	5.47	1	5.47	20.92	.000
GANG	2.34	1	2.34	8.95	.003
OFFTYPENEW	1.09	3	.36	1.39	.245
SC1_RECODE BY GENDER	1.39	1	1.39	5.32	.021
SC1_RECODE BY RACENE	1.09	3	.36	1.39	.244
W					
SC1_RECODE BY HISPAN	.90	1	.90	3.46	.063
IC					
SC1_RECODE BY CHS	.35	1	.35	1.33	.249
SC1_RECODE BY GANG	.01	1	.01	.05	.825
SC1_RECODE BY OFFTYP	3.51	3	1.17	4.48	.004
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	35.94	21	1.71	6.55	.000
(Total)	468.85	1678	.28		
R-Squared =	.077				
Adjusted R-Squared =	.065				

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

Column	Effect
23	SC4_RECODE

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates	Covariates
SC8_Reco	
1	Dependent Variable
0	Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	410.85	1657	.25		
SC4_RECODE	42.42	1	42.42	171.08	.000
GENDER	1.50	1	1.50	6.04	.014
RACENEW	2.47	3	.82	3.32	.019
HISPANIC	.06	1	.06	.22	.637
CHS	5.29	1	5.29	21.35	.000
GANG	2.36	1	2.36	9.51	.002
OFFTYPENEW	1.37	3	.46	1.85	.136
SC4_RECODE BY GENDER	.60	1	.60	2.43	.119
SC4_RECODE BY RACENE	1.16	3	.39	1.56	.197
W					
SC4_RECODE BY HISPAN	.00	1	.00	.01	.908
IC					
SC4_RECODE BY CHS	.28	1	.28	1.14	.286
SC4_RECODE BY GANG	.03	1	.03	.13	.720
SC4_RECODE BY OFFTYP	.46	3	.15	.61	.606
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	58.01	21	2.76	11.14	.000
(Total)	468.85	1678	.28		
R-Squared =	.124				
Adjusted R-Squared =	.113				

 ***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

Column Effect
 23 SC7_RECODE

 ***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates
 SC8_Reco
 1 Dependent Variable
 0 Covariates

 ***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	345.46	1657	.21		
SC7_RECODE	114.78	1	114.78	550.52	.000
GENDER	.10	1	.10	.49	.483
RACENEW	1.02	3	.34	1.64	.179
HISPANIC	.05	1	.05	.25	.614
CHS	1.03	1	1.03	4.95	.026
GANG	.78	1	.78	3.76	.053
OFFTYPENEW	2.07	3	.69	3.31	.019
SC7_RECODE BY GENDER	.91	1	.91	4.35	.037
SC7_RECODE BY RACENEW	.32	3	.11	.50	.679
W					
SC7_RECODE BY HISPANIC	.01	1	.01	.04	.844
IC					
SC7_RECODE BY CHS	.61	1	.61	2.94	.087
SC7_RECODE BY GANG	1.28	1	1.28	6.12	.013
SC7_RECODE BY OFFTYPENEW	.43	3	.14	.69	.561
ENEW					
SC7_RECODE	.00	0	.	.	.
(Model)	123.39	21	5.88	28.18	.000
(Total)	468.85	1678	.28		
R-Squared =	.263				
Adjusted R-Squared =	.254				

 Imputation_: 3

***** Analysis of Variance -- Design 3 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 99 non-empty cells.
 3 designs will be processed.

 Redundancies in Design Matrix

Column Effect
 23 SC1_RECODE

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC8_Reco
 1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	439.43	1657	.27		
SC1_RECODE	14.79	1	14.79	55.76	.000
GENDER	2.66	1	2.66	10.03	.002
RACENEW	2.80	3	.93	3.52	.015
HISPANIC	.00	1	.00	.01	.934
CHS	4.41	1	4.41	16.61	.000
GANG	2.13	1	2.13	8.02	.005
OFFTYPENEW	2.92	3	.97	3.67	.012
SC1_RECODE BY GENDER	1.62	1	1.62	6.09	.014
SC1_RECODE BY RACENEW	.87	3	.29	1.10	.350
W					
SC1_RECODE BY HISPANIC	.41	1	.41	1.55	.213
IC					
SC1_RECODE BY CHS	.30	1	.30	1.12	.290
SC1_RECODE BY GANG	.04	1	.04	.14	.704
SC1_RECODE BY OFFTYPENEW	1.67	3	.56	2.10	.098
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	34.61	21	1.65	6.22	.000
(Total)	474.05	1678	.28		
R-Squared =	.073				
Adjusted R-Squared =	.061				

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column	Effect
23	SC4_RECODE

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates	Covariates
SC8_Reco	
1	Dependent Variable
0	Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	417.24	1657	.25		
SC4_RECODE	40.39	1	40.39	160.41	.000
GENDER	1.54	1	1.54	6.11	.014
RACENEW	2.67	3	.89	3.54	.014
HISPANIC	.00	1	.00	.00	.983
CHS	4.76	1	4.76	18.92	.000
GANG	2.12	1	2.12	8.40	.004
OFFTYPENEW	3.18	3	1.06	4.21	.006
SC4_RECODE BY GENDER	.54	1	.54	2.13	.145
SC4_RECODE BY RACENEW	1.21	3	.40	1.61	.186
W					
SC4_RECODE BY HISPANIC	.03	1	.03	.10	.752
IC					

```

SC4_RECODE BY CHS      .05   1   .05   .21   .648
SC4_RECODE BY GANG      .16   1   .16   .65   .422
SC4_RECODE BY OFFTYP    .15   3   .05   .19   .900
ENEW
SC4_RECODE              .00   0   .   .   .
(Model)                 56.81  21   2.71  10.74  .000
(Total)                 474.05 1678  .28
R-Squared =             .120
Adjusted R-Squared =    .109

```

***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

```

Column Effect
23 SC7_RECODE

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

```

Variates  Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F Sig of F
WITHIN+RESIDUAL       348.46 1657   .21
SC7_RECODE            116.78   1 116.78 555.33  .000
GENDER                 .02   1   .02   .09   .760
RACENEW                .98   3   .33   1.56   .198
HISPANIC               .00   1   .00   .00   .965
CHS                    .59   1   .59   2.79   .095
GANG                   .78   1   .78   3.72   .054
OFFTYPENEW            3.77   3   1.26   5.98   .000
SC7_RECODE BY GENDER   1.07   1   1.07   5.09   .024
SC7_RECODE BY RACENE   .29   3   .10   .46   .709
W
SC7_RECODE BY HISPAN   .02   1   .02   .11   .742
IC
SC7_RECODE BY CHS      .08   1   .08   .36   .548
SC7_RECODE BY GANG     .56   1   .56   2.68   .102
SC7_RECODE BY OFFTYP   .63   3   .21   1.00   .390
ENEW
SC7_RECODE              .00   0   .   .   .
(Model)                 125.59  21   5.98  28.44  .000
(Total)                 474.05 1678  .28
R-Squared =             .265
Adjusted R-Squared =    .256

```

Imputation_: 4

***** Analysis of Variance -- Design 3 *****

```

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
101 non-empty cells.
3 designs will be processed.

```


Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC8_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	430.84	1657	.26		
SC1_RECODE	13.73	1	13.73	52.79	.000
GENDER	3.18	1	3.18	12.24	.000
RACENEW	2.61	3	.87	3.35	.018
HISPANIC	.03	1	.03	.13	.714
CHS	6.96	1	6.96	26.78	.000
GANG	2.65	1	2.65	10.21	.001
OFFTYPENEW	3.63	3	1.21	4.65	.003
SC1_RECODE BY GENDER	1.50	1	1.50	5.76	.016
SC1_RECODE BY RACENEW	1.01	3	.34	1.29	.275
W					
SC1_RECODE BY HISPANIC	.40	1	.40	1.53	.216
IC					
SC1_RECODE BY CHS	.07	1	.07	.26	.609
SC1_RECODE BY GANG	.27	1	.27	1.03	.309
SC1_RECODE BY OFFTYPENEW	2.05	3	.68	2.62	.049
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	38.09	21	1.81	6.98	.000
(Total)	468.93	1678	.28		
R-Squared =	.081				
Adjusted R-Squared =	.070				

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

Column Effect
23 SC4_RECODE

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC8_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	406.76	1657	.25		
SC4_RECODE	40.96	1	40.96	166.85	.000
GENDER	2.01	1	2.01	8.20	.004
RACENEW	2.49	3	.83	3.38	.018

HISPANIC	.02	1	.02	.09	.769
CHS	7.37	1	7.37	30.01	.000
GANG	2.55	1	2.55	10.37	.001
OFFTYPENEW	4.32	3	1.44	5.86	.001
SC4_RECODE BY GENDER	.55	1	.55	2.25	.134
SC4_RECODE BY RACENE	1.36	3	.45	1.84	.138
W					
SC4_RECODE BY HISPAN	.01	1	.01	.03	.869
IC					
SC4_RECODE BY CHS	.00	1	.00	.00	.952
SC4_RECODE BY GANG	.13	1	.13	.51	.475
SC4_RECODE BY OFFTYP	.42	3	.14	.57	.635
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	62.17	21	2.96	12.06	.000
(Total)	468.93	1678	.28		
R-Squared =	.133				
Adjusted R-Squared =	.122				

***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

Column	Effect
23	SC7_RECODE

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates	Covariates
SC8_Reco	
1	Dependent Variable
0	Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	342.91	1657	.21		
SC7_RECODE	116.96	1	116.96	565.16	.000
GENDER	.01	1	.01	.06	.813
RACENEW	.75	3	.25	1.21	.306
HISPANIC	.03	1	.03	.15	.703
CHS	1.37	1	1.37	6.61	.010
GANG	1.12	1	1.12	5.40	.020
OFFTYPENEW	2.68	3	.89	4.31	.005
SC7_RECODE BY GENDER	1.08	1	1.08	5.23	.022
SC7_RECODE BY RACENE	.16	3	.05	.26	.852
W					
SC7_RECODE BY HISPAN	.22	1	.22	1.05	.306
IC					
SC7_RECODE BY CHS	.14	1	.14	.69	.406
SC7_RECODE BY GANG	1.00	1	1.00	4.84	.028
SC7_RECODE BY OFFTYP	.51	3	.17	.81	.486
ENEW					
SC7_RECODE	.00	0	.	.	.
(Model)	126.02	21	6.00	29.00	.000
(Total)	468.93	1678	.28		
R-Squared =	.269				
Adjusted R-Squared =	.259				

```

-----
Imputation_:      5
***** Analysis of Variance -- Design 3 *****
1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
92 non-empty cells.
3 designs will be processed.
-----

Redundancies in Design Matrix
Column   Effect
23  SC1_RECODE
-----

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis
Variates  Covariates
SC8_Reco
1 Dependent Variable
0 Covariates
-----

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares
Source of Variation      SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL          433.62  1657    .26
SC1_RECODE                13.27    1   13.27   50.71   .000
GENDER                    1.61    1    1.61    6.16   .013
RACENEW                    2.84    3     .95    3.62   .013
HISPANIC                   .01    1     .01    .05   .825
CHS                        4.19    1    4.19   16.01   .000
GANG                       3.42    1    3.42   13.06   .000
OFFTYPENEW                 2.12    3     .71    2.71   .044
SC1_RECODE BY GENDER       2.33    1    2.33    8.92   .003
SC1_RECODE BY RACENE       .92    3     .31    1.17   .318
W
SC1_RECODE BY HISPAN      .46    1     .46    1.77   .184
IC
SC1_RECODE BY CHS         .40    1     .40    1.51   .219
SC1_RECODE BY GANG        .04    1     .04    .16   .693
SC1_RECODE BY OFFTYP      2.03    3     .68    2.59   .052
ENEW
SC1_RECODE                .00    0     .    .    .
(Model)                   33.66   21    1.60    6.12   .000
(Total)                   467.28  1678    .28
R-Squared =               .072
Adjusted R-Squared =      .060
-----

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix
Column   Effect
23  SC4_RECODE
-----

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis
Variates  Covariates
SC8_Reco
1 Dependent Variable

```

0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	409.87	1657	.25		
SC4_RECODE	41.99	1	41.99	169.74	.000
GENDER	.83	1	.83	3.37	.067
RACENEW	2.80	3	.93	3.77	.010
HISPANIC	.00	1	.00	.00	.960
CHS	4.11	1	4.11	16.60	.000
GANG	2.67	1	2.67	10.78	.001
OFFTYPENEW	2.60	3	.87	3.51	.015
SC4_RECODE BY GENDER	.43	1	.43	1.72	.190
SC4_RECODE BY RACENEW	1.49	3	.50	2.00	.112
W					
SC4_RECODE BY HISPANIC	.02	1	.02	.09	.768
IC					
SC4_RECODE BY CHS	.28	1	.28	1.15	.284
SC4_RECODE BY GANG	.10	1	.10	.40	.525
SC4_RECODE BY OFFTYPENEW	.11	3	.04	.14	.934
SC4_RECODE	.00	0	.	.	.
(Model)	57.41	21	2.73	11.05	.000
(Total)	467.28	1678	.28		
R-Squared =	.123				
Adjusted R-Squared =	.112				

***** Analysis of Variance-- Design 3 *****

Redundancies in Design Matrix

Column	Effect
23	SC7_RECODE

***** Analysis of Variance-- Design 3 *****

Order of Variables for Analysis

Variates	Covariates
SC8_Reco	
1	Dependent Variable
0	Covariates

***** Analysis of Variance-- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	346.28	1657	.21		
SC7_RECODE	111.92	1	111.92	535.57	.000
GENDER	.28	1	.28	1.32	.250
RACENEW	1.05	3	.35	1.67	.172
HISPANIC	.01	1	.01	.03	.853
CHS	.30	1	.30	1.43	.231
GANG	1.38	1	1.38	6.61	.010
OFFTYPENEW	3.13	3	1.04	5.00	.002
SC7_RECODE BY GENDER	.80	1	.80	3.84	.050
SC7_RECODE BY RACENEW	.07	3	.02	.11	.954
W					
SC7_RECODE BY HISPANIC	.21	1	.21	1.01	.315
IC					

```

SC7_RECODE BY CHS      .66   1   .66   3.17   .075
SC7_RECODE BY GANG     .62   1   .62   2.97   .085
SC7_RECODE BY OFFTYP   .57   3   .19   .91   .435
ENEW
SC7_RECODE             .00   0   .   .   .
(Model)                121.00  21   5.76  27.57   .000
(Total)                467.28 1678   .28
R-Squared =            .259
Adjusted R-Squared =    .250

```

Imputation_: 6

***** Analysis of Variance-- Design 3 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
102 non-empty cells.
3 designs will be processed.

Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	433.14	1657	.26		
SC1_RECODE	15.03	1	15.03	57.51	.000
GENDER	3.53	1	3.53	13.51	.000
RACENEW	2.51	3	.84	3.19	.023
HISPANIC	.13	1	.13	.49	.484
CHS	4.53	1	4.53	17.32	.000
GANG	2.41	1	2.41	9.23	.002
OFFTYPENEW	1.87	3	.62	2.38	.068
SC1_RECODE BY GENDER	1.66	1	1.66	6.35	.012
SC1_RECODE BY RACENEW	1.10	3	.37	1.41	.239
W					
SC1_RECODE BY HISPANIC	.44	1	.44	1.67	.196
IC					
SC1_RECODE BY CHS	.05	1	.05	.17	.678
SC1_RECODE BY GANG	.30	1	.30	1.16	.281
SC1_RECODE BY OFFTYP	2.20	3	.73	2.80	.039
ENEW					
SC1_RECODE	.00	0	. . .		
(Model)	35.75	21	1.70	6.51	.000
(Total)	468.89	1678	.28		
R-Squared =	.076				
Adjusted R-Squared =	.065				

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column Effect
23 SC4_RECODE

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC8_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	409.88	1657	.25		
SC4_RECODE	41.84	1	41.84	169.14	.000
GENDER	2.28	1	2.28	9.20	.002
RACENEW	2.23	3	.74	3.00	.030
HISPANIC	.05	1	.05	.19	.664
CHS	4.83	1	4.83	19.54	.000
GANG	2.48	1	2.48	10.04	.002
OFFTYPENEW	2.50	3	.83	3.37	.018
SC4_RECODE BY GENDER	.46	1	.46	1.86	.172
SC4_RECODE BY RACENEW	1.58	3	.53	2.13	.095
W					
SC4_RECODE BY HISPANIC	.11	1	.11	.44	.505
IC					
SC4_RECODE BY CHS	.00	1	.00	.01	.929
SC4_RECODE BY GANG	.09	1	.09	.38	.539
SC4_RECODE BY OFFTYPENEW	.56	3	.19	.76	.516
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	59.01	21	2.81	11.36	.000
(Total)	468.89	1678	.28		
R-Squared =	.126				
Adjusted R-Squared =	.115				

***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

Column Effect
23 SC7_RECODE

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC8_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	344.62	1657	.21		
SC7_RECODE	116.45	1	116.45	559.94	.000
GENDER	.00	1	.00	.00	.952
RACENEW	.66	3	.22	1.06	.366

```

HISPANIC          .13   1   .13   .61   .436
CHS                .45   1   .45   2.19  .139
GANG              .98   1   .98   4.71  .030
OFFTYPENEW        2.66   3   .89   4.26  .005
SC7_RECODE BY GENDER 1.05   1   1.05  5.07  .025
SC7_RECODE BY RACENE .15   3   .05   .24   .869
W
SC7_RECODE BY HISPAN .18   1   .18   .85   .357
IC
SC7_RECODE BY CHS   .39   1   .39   1.85  .174
SC7_RECODE BY GANG   .75   1   .75   3.60  .058
SC7_RECODE BY OFFTYP .43   3   .14   .68   .562
ENEW
SC7_RECODE          .00   0   .   .   .
(Model)            124.27  21  5.92  28.45  .000
(Total)            468.89 1678  .28
R-Squared =        .265
Adjusted R-Squared = .256

```

Imputation_: 7

***** Analysis of Variance -- Design 3 *****

```

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
96 non-empty cells.
3 designs will be processed.

```

Redundancies in Design Matrix

```

Column Effect
23 SC1_RECODE

```

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

```

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	435.19	1657	.26		
SC1_RECODE	13.39	1	13.39	50.97	.000
GENDER	2.44	1	2.44	9.30	.002
RACENEW	2.28	3	.76	2.90	.034
HISPANIC	.30	1	.30	1.12	.289
CHS	5.68	1	5.68	21.64	.000
GANG	3.14	1	3.14	11.96	.001
OFFTYPENEW	2.74	3	.91	3.48	.015
SC1_RECODE BY GENDER	1.57	1	1.57	5.99	.014
SC1_RECODE BY RACENE	1.13	3	.38	1.44	.230
W					
SC1_RECODE BY HISPAN	.37	1	.37	1.42	.234
IC					
SC1_RECODE BY CHS	.11	1	.11	.40	.525
SC1_RECODE BY GANG	.21	1	.21	.80	.370

```

SC1_RECODE BY OFFTYP    2.65    3    .88    3.36    .018
ENEW
SC1_RECODE              .00    0    .    .    .
(Model)                 36.01   21    1.71   6.53   .000
(Total)                 471.21 1678    .28
R-Squared =             .076
Adjusted R-Squared =    .065

```

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

```

Column Effect
23 SC4_RECODE

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

```

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	411.68	1657	.25		
SC4_RECODE	41.37	1	41.37	166.52	.000
GENDER	1.38	1	1.38	5.54	.019
RACENEW	2.19	3	.73	2.94	.032
HISPANIC	.21	1	.21	.83	.361
CHS	5.56	1	5.56	22.38	.000
GANG	2.42	1	2.42	9.74	.002
OFFTYPENEW	3.11	3	1.04	4.17	.006
SC4_RECODE BY GENDER	.72	1	.72	2.89	.089
SC4_RECODE BY RACENE	1.45	3	.48	1.95	.119
W					
SC4_RECODE BY HISPAN	.05	1	.05	.19	.660
IC					
SC4_RECODE BY CHS	.53	1	.53	2.14	.144
SC4_RECODE BY GANG	.17	1	.17	.68	.411
SC4_RECODE BY OFFTYP	.37	3	.12	.50	.682
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	59.53	21	2.83	11.41	.000
(Total)	471.21	1678	.28		
R-Squared =	.126				
Adjusted R-Squared =	.115				

***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

```

Column Effect
23 SC7_RECODE

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

```

Variates Covariates
SC8_Reco
1 Dependent Variable

```


0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	346.52	1657	.21		
SC7_RECODE	115.99	1	115.99	554.65	.000
GENDER	.04	1	.04	.19	.659
RACENEW	.73	3	.24	1.17	.319
HISPANIC	.12	1	.12	.59	.443
CHS	.80	1	.80	3.83	.050
GANG	1.15	1	1.15	5.49	.019
OFFTYPENEW	3.05	3	1.02	4.86	.002
SC7_RECODE BY GENDER	.98	1	.98	4.66	.031
SC7_RECODE BY RACENEW	.08	3	.03	.12	.946
W					
SC7_RECODE BY HISPANIC	.23	1	.23	1.09	.296
IC					
SC7_RECODE BY CHS	.79	1	.79	3.77	.052
SC7_RECODE BY GANG	.24	1	.24	1.15	.283
SC7_RECODE BY OFFTYPENEW	.49	3	.16	.79	.500
ENEW					
SC7_RECODE	.00	0	.	.	.
(Model)	124.69	21	5.94	28.39	.000
(Total)	471.21	1678	.28		
R-Squared =	.265				
Adjusted R-Squared =	.255				

Imputation_: 8

***** Analysis of Variance -- Design 3 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 97 non-empty cells.
 3 designs will be processed.

Redundancies in Design Matrix

Column	Effect
23	SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC8_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	432.87	1657	.26		
SC1_RECODE	13.70	1	13.70	52.42	.000
GENDER	2.46	1	2.46	9.40	.002
RACENEW	2.54	3	.85	3.25	.021
HISPANIC	.07	1	.07	.28	.595
CHS	4.47	1	4.47	17.10	.000

GANG	2.32	1	2.32	8.90	.003
OFFTYPENEW	2.32	3	.77	2.97	.031
SC1_RECODE BY GENDER	1.47	1	1.47	5.62	.018
SC1_RECODE BY RACENE	1.09	3	.36	1.39	.243
W					
SC1_RECODE BY HISPAN	.48	1	.48	1.82	.178
IC					
SC1_RECODE BY CHS	.09	1	.09	.35	.552
SC1_RECODE BY GANG	.01	1	.01	.03	.864
SC1_RECODE BY OFFTYP	3.18	3	1.06	4.05	.007
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	34.20	21	1.63	6.23	.000
(Total)	467.07	1678	.28		
R-Squared =	.073				
Adjusted R-Squared =	.061				

***** Analysis of Variance-- Design 2 *****

Redundancies in Design Matrix

Column	Effect
23	SC4_RECODE

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates	Covariates
SC8_Reco	
1	Dependent Variable
0	Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	408.15	1657	.25		
SC4_RECODE	42.91	1	42.91	174.20	.000
GENDER	1.46	1	1.46	5.92	.015
RACENEW	2.43	3	.81	3.29	.020
HISPANIC	.05	1	.05	.19	.665
CHS	4.13	1	4.13	16.75	.000
GANG	1.67	1	1.67	6.77	.009
OFFTYPENEW	3.24	3	1.08	4.39	.004
SC4_RECODE BY GENDER	.71	1	.71	2.88	.090
SC4_RECODE BY RACENE	1.37	3	.46	1.85	.136
W					
SC4_RECODE BY HISPAN	.08	1	.08	.31	.581
IC					
SC4_RECODE BY CHS	.10	1	.10	.39	.531
SC4_RECODE BY GANG	.15	1	.15	.61	.435
SC4_RECODE BY OFFTYP	.63	3	.21	.85	.464
ENEW					
SC4_RECODE	.00	0	.	.	.
(Model)	58.91	21	2.81	11.39	.000
(Total)	467.07	1678	.28		
R-Squared =	.126				
Adjusted R-Squared =	.115				

***** Analysis of Variance-- Design 3 *****

Redundancies in Design Matrix

Column Effect
23 SC7_RECODE

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	346.95	1657	.21		
SC7_RECODE	112.24	1	112.24	536.06	.000
GENDER	.03	1	.03	.13	.717
RACENEW	.80	3	.27	1.28	.281
HISPANIC	.08	1	.08	.39	.532
CHS	.67	1	.67	3.19	.074
GANG	.84	1	.84	4.00	.046
OFFTYPENEW	2.51	3	.84	4.00	.008
SC7_RECODE BY GENDER	.75	1	.75	3.56	.059
SC7_RECODE BY RACENEW	.15	3	.05	.24	.866
W					
SC7_RECODE BY HISPANIC	.25	1	.25	1.19	.275
IC					
SC7_RECODE BY CHS	.93	1	.93	4.43	.035
SC7_RECODE BY GANG	.35	1	.35	1.65	.199
SC7_RECODE BY OFFTYPENEW	.53	3	.18	.84	.473
ENEW					
SC7_RECODE	.00	0	.	.	.
(Model)	120.12	21	5.72	27.32	.000
(Total)	467.07	1678	.28		
R-Squared =	.257				
Adjusted R-Squared =	.248				

Imputation_: 9

***** Analysis of Variance -- Design 3 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
98 non-empty cells.
3 designs will be processed.

Redundancies in Design Matrix

Column Effect
23 SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	439.20	1657	.27		
SC1_RECODE	13.81	1	13.81	52.11	.000
GENDER	2.46	1	2.46	9.29	.002
RACENEW	2.42	3	.81	3.04	.028
HISPANIC	.00	1	.00	.00	.959
CHS	4.13	1	4.13	15.57	.000
GANG	3.19	1	3.19	12.03	.001
OFFTYPENEW	3.00	3	1.00	3.77	.010
SC1_RECODE BY GENDER	2.05	1	2.05	7.73	.005
SC1_RECODE BY RACENEW	1.04	3	.35	1.31	.269
W					
SC1_RECODE BY HISPANIC	.06	1	.06	.23	.630
IC					
SC1_RECODE BY CHS	.00	1	.00	.00	.955
SC1_RECODE BY GANG	.04	1	.04	.14	.709
SC1_RECODE BY OFFTYPENEW	2.30	3	.77	2.89	.034
SC1_RECODE	.00	0	.	.	.
(Model)	34.49	21	1.64	6.20	.000
(Total)	473.69	1678	.28		
R-Squared =	.073				
Adjusted R-Squared =	.061				

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

Column Effect
23 SC4_RECODE

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	415.28	1657	.25		
SC4_RECODE	41.81	1	41.81	166.81	.000
GENDER	1.54	1	1.54	6.13	.013
RACENEW	2.35	3	.78	3.12	.025
HISPANIC	.00	1	.00	.02	.902
CHS	4.10	1	4.10	16.35	.000
GANG	3.34	1	3.34	13.33	.000
OFFTYPENEW	3.27	3	1.09	4.35	.005
SC4_RECODE BY GENDER	.34	1	.34	1.35	.246
SC4_RECODE BY RACENEW	1.50	3	.50	2.00	.112
W					
SC4_RECODE BY HISPANIC	.02	1	.02	.09	.767
IC					
SC4_RECODE BY CHS	.09	1	.09	.35	.552
SC4_RECODE BY GANG	.05	1	.05	.20	.658

```

SC4_RECODE BY OFFTYP      .00    3    .00    .01    .999
ENEW
SC4_RECODE                .00    0    .    .    .
(Model)                   58.41   21    2.78   11.10   .000
(Total)                   473.69  1678   .28
R-Squared =               .123
Adjusted R-Squared =      .112

```

***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

```

Column Effect
23 SC7_RECODE

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

```

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	346.66	1657	.21		
SC7_RECODE	117.88	1	117.88	563.44	.000
GENDER	.06	1	.06	.29	.591
RACENEW	.67	3	.22	1.07	.359
HISPANIC	.00	1	.00	.00	.952
CHS	.66	1	.66	3.15	.076
GANG	1.19	1	1.19	5.71	.017
OFFTYPENEW	4.08	3	1.36	6.50	.000
SC7_RECODE BY GENDER	.74	1	.74	3.54	.060
SC7_RECODE BY RACENE	.22	3	.07	.36	.784
W					
SC7_RECODE BY HISPAN	.01	1	.01	.06	.808
IC					
SC7_RECODE BY CHS	.09	1	.09	.43	.514
SC7_RECODE BY GANG	.66	1	.66	3.13	.077
SC7_RECODE BY OFFTYP	.77	3	.26	1.23	.298
ENEW					
SC7_RECODE	.00	0	.00		
(Model)	127.04	21	6.05	28.92	.000
(Total)	473.69	1678	.28		
R-Squared =	.268				
Adjusted R-Squared =	.259				

Imputation_: 10

***** Analysis of Variance -- Design 3 *****

```

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
98 non-empty cells.
3 designs will be processed.

```

Redundancies in Design Matrix

```

Column Effect

```

23 SC1_RECODE

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC8_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	436.34	1657	.26		
SC1_RECODE	14.22	1	14.22	54.01	.000
GENDER	2.47	1	2.47	9.38	.002
RACENEW	2.51	3	.84	3.18	.023
HISPANIC	.02	1	.02	.07	.796
CHS	3.46	1	3.46	13.16	.000
GANG	2.03	1	2.03	7.72	.006
OFFTYPENEW	3.51	3	1.17	4.45	.004
SC1_RECODE BY GENDER	1.39	1	1.39	5.27	.022
SC1_RECODE BY RACENE	.98	3	.33	1.24	.292
W					
SC1_RECODE BY HISPAN	.69	1	.69	2.62	.105
IC					
SC1_RECODE BY CHS	.00	1	.00	.01	.919
SC1_RECODE BY GANG	.03	1	.03	.11	.738
SC1_RECODE BY OFFTYP	1.70	3	.57	2.15	.092
ENEW					
SC1_RECODE	.00	0	.	.	.
(Model)	33.02	21	1.57	5.97	.000
(Total)	469.36	1678	.28		
R-Squared =	.070				
Adjusted R-Squared =	.059				

***** Analysis of Variance -- Design 2 *****

Redundancies in Design Matrix

Column Effect

23 SC4_RECODE

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC8_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	409.43	1657	.25		
SC4_RECODE	44.08	1	44.08	178.38	.000
GENDER	1.52	1	1.52	6.15	.013
RACENEW	2.56	3	.85	3.46	.016
HISPANIC	.01	1	.01	.03	.859
CHS	3.63	1	3.63	14.69	.000

```

GANG          1.54    1    1.54    6.24    .013
OFFTYPENEW      3.69    3    1.23    4.98    .002
SC4_RECODE BY GENDER    .37    1    .37    1.48    .223
SC4_RECODE BY RACENE    1.43    3    .48    1.93    .122
W
SC4_RECODE BY HISPAN    .01    1    .01    .04    .839
IC
SC4_RECODE BY CHS      .26    1    .26    1.06    .304
SC4_RECODE BY GANG      .54    1    .54    2.19    .139
SC4_RECODE BY OFFTYP    .29    3    .10    .39    .761
ENEW
SC4_RECODE          .00    0    .    .    .
(Model)          59.93    21    2.85    11.55    .000
(Total)         469.36    1678    .28
R-Squared =      .128
Adjusted R-Squared = .117

```

***** Analysis of Variance -- Design 3 *****

Redundancies in Design Matrix

Column Effect
23 SC7_RECODE

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates
SC8_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC8_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F Sig of F
WITHIN+RESIDUAL      345.16    1657    .21
SC7_RECODE          115.60    1    115.60    554.98    .000
GENDER              .04    1    .04    .20    .658
RACENEW             .81    3    .27    1.30    .273
HISPANIC            .05    1    .05    .23    .635
CHS                 .21    1    .21    .99    .319
GANG                .79    1    .79    3.78    .052
OFFTYPENEW          3.54    3    1.18    5.67    .001
SC7_RECODE BY GENDER    .82    1    .82    3.94    .047
SC7_RECODE BY RACENE    .30    3    .10    .48    .697
W
SC7_RECODE BY HISPAN    .04    1    .04    .18    .673
IC
SC7_RECODE BY CHS      .65    1    .65    3.13    .077
SC7_RECODE BY GANG      .57    1    .57    2.73    .099
SC7_RECODE BY OFFTYP    .78    3    .26    1.25    .289
ENEW
SC7_RECODE          .00    0    .    .    .
(Model)          124.20    21    5.91    28.39    .000
(Total)         469.36    1678    .28
R-Squared =      .265
Adjusted R-Squared = .255

```

Appendix S5: Homogeneity of Regression Model 4

SPSS Syntax:

```

MANOVA SC2_Recode BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3) WITH SC1_Recode
SC4_Recode SC7_Recode SC8_Recode
  /ANALYSIS=SC2_Recode
  /METHOD=SEQUENTIAL
/DESIGN SC1_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC1_Recode BY
GENDER SC1_Recode BY RACENEW SC1_Recode BY HISPANIC SC1_Recode BY CHS SC1_Recode BY
GANG SC1_Recode BY OFFTYPENEW
/DESIGN SC4_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC4_Recode BY
GENDER SC4_Recode BY RACENEW SC4_Recode BY HISPANIC SC4_Recode BY CHS SC4_Recode BY
GANG SC4_Recode BY OFFTYPENEW
/DESIGN SC7_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC7_Recode BY
GENDER SC7_Recode BY RACENEW SC7_Recode BY HISPANIC SC7_Recode BY CHS SC7_Recode BY
GANG SC7_Recode BY OFFTYPENEW
/DESIGN SC8_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC8_Recode BY
GENDER SC8_Recode BY RACENEW SC8_Recode BY HISPANIC SC8_Recode BY CHS SC8_Recode BY
GANG SC8_Recode BY OFFTYPENEW.

```

Imputation_: 1

***** Analysis of Variance-- Design 4 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

4 designs will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	343.82	1657	.21		
SC1_RECDE	51.26	1	51.26	247.03	.000
GENDER	10.39	1	10.39	50.05	.000
RACENEW	.47	3	.16	.75	.523
HISPANIC	.61	1	.61	2.93	.087
CHS	12.13	1	12.13	58.45	.000
GANG	.01	1	.01	.04	.846
OFFTYPENEW	3.57	3	1.19	5.73	.001
SC1_RECDE BY GENDER	.09	1	.09	.42	.516
SC1_RECDE BY RACENEW	.93	3	.31	1.50	.213
SC1_RECDE BY HISPANIC	.52	1	.52	2.50	.114
SC1_RECDE BY CHS	3.93	1	3.93	18.93	.000
SC1_RECDE BY GANG	.17	1	.17	.81	.369
SC1_RECDE BY OFFTYPENEW	2.59	3	.86	4.17	.006

(Model) 86.65 21 4.13 19.89 .000
 (Total) 430.47 1678 .26
 R-Squared = .201
 Adjusted R-Squared = .191

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	358.75	1657	.22		
SC4_RECODE	38.85	1	38.85	179.44	.000
GENDER	6.95	1	6.95	32.08	.000
RACENEW	1.15	3	.38	1.78	.150
HISPANIC	.65	1	.65	3.01	.083
CHS	16.25	1	16.25	75.07	.000
GANG	.08	1	.08	.37	.546
OFFTYPENEW	2.30	3	.77	3.55	.014
SC4_RECODE BY GENDER	.51	1	.51	2.34	.127
SC4_RECODE BY RACENEW	1.68	3	.56	2.58	.052
W					
SC4_RECODE BY HISPANIC	.01	1	.01	.07	.797
IC					
SC4_RECODE BY CHS	.86	1	.86	3.99	.046
SC4_RECODE BY GANG	.15	1	.15	.69	.406
SC4_RECODE BY OFFTYPENEW	2.28	3	.76	3.50	.015
ENEW					
(Model)	71.72	21	3.42	15.77	.000
(Total)	430.47	1678	.26		
R-Squared =	.167				
Adjusted R-Squared =	.156				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	323.06	1657	.19		
SC7_RECODE	84.03	1	84.03	431.01	.000
GENDER	1.98	1	1.98	10.16	.001
RACENEW	2.38	3	.79	4.07	.007
HISPANIC	.63	1	.63	3.23	.072
CHS	9.97	1	9.97	51.13	.000
GANG	.00	1	.00	.00	.975
OFFTYPENEW	1.74	3	.58	2.98	.031
SC7_RECODE BY GENDER	.19	1	.19	.99	.321

```

SC7_RECODE BY RACENE      2.27   3   .76   3.88   .009
W
SC7_RECODE BY HISPAN      .32    1   .32   1.64   .201
IC
SC7_RECODE BY CHS         .61    1   .61   3.11   .078
SC7_RECODE BY GANG        .07    1   .07   .34    .563
SC7_RECODE BY OFFTYP      3.22   3   1.07   5.51   .001
ENEW
(Model)          107.41   21   5.11  26.23   .000
(Total)         430.47 1678   .26
R-Squared =      .250
Adjusted R-Squared = .240

```

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL       346.85 1657   .21
SC8_RECODE            51.32   1  51.32 245.17 .000
GENDER                 5.64   1   5.64 26.96 .000
RACENEW                3.22   3   1.07  5.12 .002
HISPANIC               .71    1   .71   3.38 .066
CHS                    15.98   1  15.98 76.35 .000
GANG                   .01    1   .01   .05 .823
OFFTYPENEW            .83    3   .28   1.32 .265
SC8_RECODE BY GENDER   .03    1   .03   .16 .690
SC8_RECODE BY RACENE   1.27   3   .42   2.03 .108
W
SC8_RECODE BY HISPAN   .16    1   .16   .79 .375
IC
SC8_RECODE BY CHS      1.89   1   1.89   9.01 .003
SC8_RECODE BY GANG     .00    1   .00   .00 .983
SC8_RECODE BY OFFTYP   2.55   3   .85   4.06 .007
ENEW
(Model)              83.62   21   3.98  19.02 .000
(Total)             430.47 1678   .26
R-Squared =          .194
Adjusted R-Squared = .184

```

Imputation_: 2

***** Analysis of Variance -- Design 4 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

102 non-empty cells.

4 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	347.56	1657	.21		
SC1_RECODE	53.13	1	53.13	253.30	.000
GENDER	11.62	1	11.62	55.42	.000
RACENEW	.27	3	.09	.42	.736
HISPANIC	.36	1	.36	1.73	.188
CHS	10.67	1	10.67	50.87	.000
GANG	.41	1	.41	1.94	.164
OFFTYPENEW	5.04	3	1.68	8.01	.000
SC1_RECODE BY GENDER	.07	1	.07	.32	.572
SC1_RECODE BY RACENE	.97	3	.32	1.54	.202
W					
SC1_RECODE BY HISPAN	.45	1	.45	2.17	.141
IC					
SC1_RECODE BY CHS	2.32	1	2.32	11.07	.001
SC1_RECODE BY GANG	.21	1	.21	.99	.319
SC1_RECODE BY OFFTYP	1.89	3	.63	3.00	.030
ENEW					
(Model)	87.41	21	4.16	19.85	.000
(Total)	434.98	1678	.26		
R-Squared =	.201				
Adjusted R-Squared =	.191				

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC2_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	363.71	1657	.22		
SC4_RECODE	38.07	1	38.07	173.43	.000
GENDER	8.40	1	8.40	38.29	.000
RACENEW	1.23	3	.41	1.87	.133
HISPANIC	.58	1	.58	2.64	.104
CHS	15.65	1	15.65	71.30	.000
GANG	.75	1	.75	3.41	.065
OFFTYPENEW	3.08	3	1.03	4.67	.003
SC4_RECODE BY GENDER	.19	1	.19	.86	.354
SC4_RECODE BY RACENE	1.77	3	.59	2.69	.045
W					
SC4_RECODE BY HISPAN	.02	1	.02	.11	.741
IC					
SC4_RECODE BY CHS	.52	1	.52	2.37	.124
SC4_RECODE BY GANG	.43	1	.43	1.97	.161
SC4_RECODE BY OFFTYP	.58	3	.19	.88	.450
ENEW					

```

(Model)          71.27   21   3.39  15.46   .000
(Total)         434.98 1678   .26
R-Squared =      .164
Adjusted R-Squared = .153

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

```

Variates  Covariates
SC2_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	329.18	1657			.20
SC7_RECODE	84.71	1	84.71	426.39	.000
GENDER	2.55	1	2.55	12.85	.000
RACENEW	2.45	3	.82	4.12	.006
HISPANIC	.59	1	.59	2.98	.084
CHS	8.89	1	8.89	44.77	.000
GANG	.14	1	.14	.69	.407
OFFTYPENEW	1.03	3	.34	1.72	.160
SC7_RECODE BY GENDER	.04	1	.04	.18	.674
SC7_RECODE BY RACENEW	2.44	3	.81	4.09	.007
SC7_RECODE BY HISPANIC	.34	1	.34	1.72	.190
SC7_RECODE BY CHS	.35	1	.35	1.74	.187
SC7_RECODE BY GANG	.28	1	.28	1.41	.236
SC7_RECODE BY OFFTYPENEW	1.99	3	.66	3.35	.018
(Model)	105.80	21	5.04	25.36	.000
(Total)	434.98	1678			
R-Squared =	.243				
Adjusted R-Squared =	.234				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

```

Variates  Covariates
SC2_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	350.75	1657			.21
SC8_RECODE	52.93	1	52.93	250.07	.000
GENDER	6.37	1	6.37	30.12	.000
RACENEW	3.42	3	1.14	5.39	.001
HISPANIC	.76	1	.76	3.61	.058
CHS	13.69	1	13.69	64.70	.000
GANG	.27	1	.27	1.28	.257
OFFTYPENEW	1.21	3	.40	1.91	.126
SC8_RECODE BY GENDER	.05	1	.05	.22	.637

```

SC8_RECODE BY RACENE      1.83    3    .61    2.88    .035
W
SC8_RECODE BY HISPAN      .41     1    .41    1.92    .167
IC
SC8_RECODE BY CHS         1.21    1    1.21    5.72    .017
SC8_RECODE BY GANG        .00     1    .00     .00    .993
SC8_RECODE BY OFFTYP      2.07    3    .69    3.26    .021
ENEW
(Model)                   84.23    21    4.01   18.95    .000
(Total)                   434.98  1678    .26
R-Squared =               .194
Adjusted R-Squared =     .183

```

Imputation_: 3

***** Analysis of Variance-- Design 4 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 99 non-empty cells.
 4 designs will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis
 Variates Covariates
 SC2_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	345.87	1657	.21		
SC1_RECODE	54.29	1	54.29	260.11	.000
GENDER	9.98	1	9.98	47.80	.000
RACENEW	.44	3	.15	.70	.551
HISPANIC	.64	1	.64	3.08	.079
CHS	9.42	1	9.42	45.15	.000
GANG	.17	1	.17	.83	.362
OFFTYPENEW	4.36	3	1.45	6.97	.000
SC1_RECODE BY GENDER	.15	1	.15	.70	.402
SC1_RECODE BY RACENE	1.03	3	.34	1.65	.177
W					
SC1_RECODE BY HISPAN	.53	1	.53	2.52	.113
IC					
SC1_RECODE BY CHS	1.98	1	1.98	9.51	.002
SC1_RECODE BY GANG	.18	1	.18	.86	.353
SC1_RECODE BY OFFTYP	.87	3	.29	1.38	.247
ENEW					
(Model)	84.05	21	4.00	19.17	.000
(Total)	429.92	1678	.26		
R-Squared =	.196				
Adjusted R-Squared =	.185				

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis
 Variates Covariates

SC2_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	365.21	1657	.22		
SC4_RECODE	35.61	1	35.61	161.56	.000
GENDER	6.44	1	6.44	29.20	.000
RACENEW	.55	3	.18	.83	.480
HISPANIC	.79	1	.79	3.57	.059
CHS	14.75	1	14.75	66.93	.000
GANG	.43	1	.43	1.97	.161
OFFTYPENEW	2.33	3	.78	3.52	.015
SC4_RECODE BY GENDER	.61	1	.61	2.77	.096
SC4_RECODE BY RACENE	1.46	3	.49	2.21	.085
W					
SC4_RECODE BY HISPAN	.00	1	.00	.00	.945
IC					
SC4_RECODE BY CHS	.51	1	.51	2.33	.127
SC4_RECODE BY GANG	.70	1	.70	3.17	.075
SC4_RECODE BY OFFTYP	.53	3	.18	.80	.492
ENEW					
(Model)	64.71	21	3.08	13.98	.000
(Total)	429.92	1678	.26		
R-Squared =	.151				
Adjusted R-Squared =	.140				

***** Analysis of Variance-- Design 3 *****

Order of Variables for Analysis

Variates Covariates
SC2_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance-- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	326.39	1657	.20		
SC7_RECODE	83.00	1	83.00	421.36	.000
GENDER	1.96	1	1.96	9.95	.002
RACENEW	1.44	3	.48	2.43	.064
HISPANIC	.86	1	.86	4.37	.037
CHS	7.61	1	7.61	38.65	.000
GANG	.05	1	.05	.28	.598
OFFTYPENEW	1.45	3	.48	2.46	.061
SC7_RECODE BY GENDER	.01	1	.01	.06	.804
SC7_RECODE BY RACENE	2.13	3	.71	3.61	.013
W					
SC7_RECODE BY HISPAN	.67	1	.67	3.41	.065
IC					
SC7_RECODE BY CHS	.89	1	.89	4.53	.033
SC7_RECODE BY GANG	.39	1	.39	1.97	.160
SC7_RECODE BY OFFTYP	3.06	3	1.02	5.18	.001
ENEW					

(Model) 103.53 21 4.93 25.03 .000
 (Total) 429.92 1678 .26
 R-Squared = .241
 Adjusted R-Squared = .231

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	350.53	1657	.21		
SC8_RECODE	52.68	1	52.68	249.03	.000
GENDER	4.87	1	4.87	23.00	.000
RACENEW	2.25	3	.75	3.54	.014
HISPANIC	1.01	1	1.01	4.78	.029
CHS	12.41	1	12.41	58.66	.000
GANG	.13	1	.13	.60	.440
OFFTYPENEW	.64	3	.21	1.01	.388
SC8_RECODE BY GENDER	.06	1	.06	.27	.606
SC8_RECODE BY RACENEW	1.28	3	.43	2.02	.109
SC8_RECODE BY HISPANIC	.43	1	.43	2.04	.153
SC8_RECODE BY CHS	1.11	1	1.11	5.26	.022
SC8_RECODE BY GANG	.08	1	.08	.39	.535
SC8_RECODE BY OFFTYPENEW	2.45	3	.82	3.86	.009
(Model)	79.39	21	3.78	17.87	.000
(Total)	429.92	1678	.26		
R-Squared =	.185				
Adjusted R-Squared =	.174				

Imputation_: 4

***** Analysis of Variance -- Design 4 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

101 non-empty cells.

4 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	348.74	1657	.21		
SC1_RECODE	53.89	1	53.89	256.04	.000
GENDER	8.50	1	8.50	40.38	.000
RACENEW	.53	3	.18	.84	.472
HISPANIC	.44	1	.44	2.10	.147
CHS	12.89	1	12.89	61.23	.000
GANG	.11	1	.11	.51	.473
OFFTYPENEW	4.12	3	1.37	6.53	.000
SC1_RECODE BY GENDER	.11	1	.11	.53	.468
SC1_RECODE BY RACENEW	1.06	3	.35	1.68	.170
SC1_RECODE BY HISPANIC	.68	1	.68	3.24	.072
SC1_RECODE BY CHS	2.63	1	2.63	12.48	.000
SC1_RECODE BY GANG	.24	1	.24	1.14	.287
SC1_RECODE BY OFFTYPENEW	1.80	3	.60	2.84	.037
(Model)	86.99	21	4.14	19.68	.000
(Total)	435.73	1678	.26		
R-Squared =	.200				
Adjusted R-Squared =	.189				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	364.21	1657	.22		
SC4_RECODE	37.45	1	37.45	170.37	.000
GENDER	5.36	1	5.36	24.38	.000
RACENEW	.87	3	.29	1.32	.266
HISPANIC	.51	1	.51	2.33	.127
CHS	19.17	1	19.17	87.23	.000
GANG	.28	1	.28	1.28	.258
OFFTYPENEW	2.34	3	.78	3.55	.014
SC4_RECODE BY GENDER	.41	1	.41	1.88	.170
SC4_RECODE BY RACENEW	1.94	3	.65	2.95	.032
SC4_RECODE BY HISPANIC	.01	1	.01	.02	.880
SC4_RECODE BY CHS	1.45	1	1.45	6.58	.010
SC4_RECODE BY GANG	.37	1	.37	1.67	.197
SC4_RECODE BY OFFTYPENEW	1.35	3	.45	2.05	.104
(Model)	71.52	21	3.41	15.49	.000
(Total)	435.73	1678	.26		
R-Squared =	.164				
Adjusted R-Squared =	.154				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	330.23	1657	.20		
SC7_RECODE	83.47	1	83.47	418.85	.000
GENDER	1.11	1	1.11	5.55	.019
RACENEW	1.91	3	.64	3.19	.023
HISPANIC	.57	1	.57	2.84	.092
CHS	10.23	1	10.23	51.34	.000
GANG	.02	1	.02	.09	.763
OFFTYPENEW	1.37	3	.46	2.29	.076
SC7_RECODE BY GENDER	.04	1	.04	.20	.657
SC7_RECODE BY RACENEW	2.17	3	.72	3.62	.013
W					
SC7_RECODE BY HISPANIC	.36	1	.36	1.79	.182
IC					
SC7_RECODE BY CHS	.63	1	.63	3.17	.075
SC7_RECODE BY GANG	.00	1	.00	.00	.958
SC7_RECODE BY OFFTYPENEW	3.63	3	1.21	6.07	.000
ENEW					
(Model)	105.50	21	5.02	25.21	.000
(Total)	435.73	1678	.26		
R-Squared =	.242				
Adjusted R-Squared =	.233				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	352.64	1657	.21		
SC8_RECODE	52.45	1	52.45	246.46	.000
GENDER	3.68	1	3.68	17.31	.000
RACENEW	2.52	3	.84	3.94	.008
HISPANIC	.56	1	.56	2.65	.104
CHS	15.32	1	15.32	72.01	.000
GANG	.04	1	.04	.19	.663
OFFTYPENEW	.40	3	.13	.63	.598
SC8_RECODE BY GENDER	.02	1	.02	.10	.750
SC8_RECODE BY RACENEW	1.57	3	.52	2.46	.061
W					
SC8_RECODE BY HISPANIC	.37	1	.37	1.74	.187
IC					
SC8_RECODE BY CHS	2.61	1	2.61	12.27	.000
SC8_RECODE BY GANG	.04	1	.04	.18	.670

SC8_RECODE BY OFFTYP 3.51 3 1.17 5.49 .001
 ENEW
 (Model) 83.09 21 3.96 18.59 .000
 (Total) 435.73 1678 .26
 R-Squared = .191
 Adjusted R-Squared = .180

 Imputation_: 5

***** Analysis of Variance-- Design 4 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 92 non-empty cells.
 4 designs will be processed.

 ***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC2_Reco
 1 Dependent Variable
 0 Covariates

 ***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	349.19	1657	.21		
SC1_RECODE	52.78	1	52.78	250.45	.000
GENDER	9.47	1	9.47	44.93	.000
RACENEW	.62	3	.21	.98	.403
HISPANIC	.41	1	.41	1.94	.164
CHS	12.47	1	12.47	59.16	.000
GANG	.05	1	.05	.23	.629
OFFTYPENEW	4.36	3	1.45	6.90	.000
SC1_RECODE BY GENDER	.11	1	.11	.54	.463
SC1_RECODE BY RACENEW	1.08	3	.36	1.72	.162
W					
SC1_RECODE BY HISPANIC	.05	1	.05	.24	.627
IC					
SC1_RECODE BY CHS	2.59	1	2.59	12.30	.000
SC1_RECODE BY GANG	.00	1	.00	.01	.909
SC1_RECODE BY OFFTYP	.85	3	.28	1.35	.257
ENEW					
(Model)	84.85	21	4.04	19.17	.000
(Total)	434.03	1678	.26		
R-Squared =	.195				
Adjusted R-Squared =	.185				

 ***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC2_Reco
 1 Dependent Variable
 0 Covariates

 ***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	361.67	1657	.22		
SC4_RECODE	38.72	1	38.72	177.38	.000
GENDER	6.09	1	6.09	27.90	.000
RACENEW	1.18	3	.39	1.80	.144
HISPANIC	.39	1	.39	1.76	.184
CHS	17.53	1	17.53	80.31	.000
GANG	.16	1	.16	.75	.387
OFFTYPENEW	2.47	3	.82	3.77	.010
SC4_RECODE BY GENDER	.35	1	.35	1.60	.206
SC4_RECODE BY RACENEW	2.33	3	.78	3.55	.014
SC4_RECODE BY HISPANIC	.05	1	.05	.21	.647
SC4_RECODE BY CHS	1.61	1	1.61	7.39	.007
SC4_RECODE BY GANG	.01	1	.01	.07	.793
SC4_RECODE BY OFFTYPENEW	1.47	3	.49	2.25	.081
(Model)	72.36	21	3.45	15.79	.000
(Total)	434.03	1678	.26		
R-Squared =	.167				
Adjusted R-Squared =	.156				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	327.08	1657	.20		
SC7_RECODE	85.66	1	85.66	433.94	.000
GENDER	1.52	1	1.52	7.72	.006
RACENEW	2.18	3	.73	3.68	.012
HISPANIC	.47	1	.47	2.36	.124
CHS	9.13	1	9.13	46.27	.000
GANG	.01	1	.01	.04	.844
OFFTYPENEW	2.19	3	.73	3.69	.011
SC7_RECODE BY GENDER	.05	1	.05	.24	.627
SC7_RECODE BY RACENEW	2.47	3	.82	4.17	.006
SC7_RECODE BY HISPANIC	.03	1	.03	.14	.711
SC7_RECODE BY CHS	.37	1	.37	1.86	.172
SC7_RECODE BY GANG	.00	1	.00	.00	.991
SC7_RECODE BY OFFTYPENEW	2.89	3	.96	4.89	.002
(Model)	106.95	21	5.09	25.80	.000
(Total)	434.03	1678	.26		
R-Squared =	.246				
Adjusted R-Squared =	.237				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	352.23	1657	.21		
SC8_RECODE	52.56	1	52.56	247.24	.000
GENDER	4.95	1	4.95	23.30	.000
RACENEW	2.91	3	.97	4.56	.003
HISPANIC	.50	1	.50	2.33	.127
CHS	15.62	1	15.62	73.49	.000
GANG	.06	1	.06	.26	.611
OFFTYPENEW	.63	3	.21	.98	.400
SC8_RECODE BY GENDER	.07	1	.07	.32	.569
SC8_RECODE BY RACENEW	1.68	3	.56	2.64	.048
W					
SC8_RECODE BY HISPANIC	.06	1	.06	.27	.605
IC					
SC8_RECODE BY CHS	.73	1	.73	3.42	.065
SC8_RECODE BY GANG	.01	1	.01	.03	.852
SC8_RECODE BY OFFTYPENEW	2.04	3	.68	3.21	.022
ENEW					
(Model)	81.80	21	3.90	18.32	.000
(Total)	434.03	1678	.26		
R-Squared =	.188				
Adjusted R-Squared =	.178				

Imputation_: 6

***** Analysis of Variance -- Design 4 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

102 non-empty cells.

4 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	340.14	1657	.21		
SC1_RECODE	53.00	1	53.00	258.18	.000
GENDER	10.04	1	10.04	48.93	.000
RACENEW	.34	3	.11	.55	.650
HISPANIC	.24	1	.24	1.15	.283
CHS	12.99	1	12.99	63.26	.000
GANG	.17	1	.17	.84	.359

OFFTYPENEW	5.32	3	1.77	8.64	.000
SC1_RECODE BY GENDER	.16	1	.16	.76	.384
SC1_RECODE BY RACENE	1.19	3	.40	1.93	.123
W					
SC1_RECODE BY HISPAN	.39	1	.39	1.89	.169
IC					
SC1_RECODE BY CHS	3.45	1	3.45	16.83	.000
SC1_RECODE BY GANG	.04	1	.04	.19	.666
SC1_RECODE BY OFFTYP	1.86	3	.62	3.02	.029
ENEW					
(Model)	89.18	21	4.25	20.69	.000
(Total)	429.31	1678	.26		
R-Squared =	.208				
Adjusted R-Squared =	.198				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	356.38	1657	.22		
SC4_RECODE	37.16	1	37.16	172.78	.000
GENDER	6.64	1	6.64	30.85	.000
RACENEW	1.05	3	.35	1.63	.180
HISPANIC	.18	1	.18	.85	.357
CHS	18.79	1	18.79	87.37	.000
GANG	.46	1	.46	2.12	.145
OFFTYPENEW	3.63	3	1.21	5.62	.001
SC4_RECODE BY GENDER	.27	1	.27	1.25	.264
SC4_RECODE BY RACENE	1.78	3	.59	2.75	.041
W					
SC4_RECODE BY HISPAN	.01	1	.01	.03	.858
IC					
SC4_RECODE BY CHS	.77	1	.77	3.57	.059
SC4_RECODE BY GANG	.45	1	.45	2.11	.147
SC4_RECODE BY OFFTYP	1.75	3	.58	2.71	.044
ENEW					
(Model)	72.93	21	3.47	16.15	.000
(Total)	429.31	1678	.26		
R-Squared =	.170				
Adjusted R-Squared =	.159				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	323.77	1657	.20		
SC7_RECODE	82.59	1	82.59	422.69	.000
GENDER	1.83	1	1.83	9.38	.002
RACENEW	2.32	3	.77	3.95	.008
HISPANIC	.31	1	.31	1.61	.205
CHS	10.12	1	10.12	51.81	.000
GANG	.06	1	.06	.31	.578
OFFTYPENEW	1.94	3	.65	3.31	.019
SC7_RECODE BY GENDER	.05	1	.05	.28	.600
SC7_RECODE BY RACENEW	2.08	3	.69	3.54	.014
SC7_RECODE BY HISPANIC	.32	1	.32	1.64	.201
SC7_RECODE BY CHS	.84	1	.84	4.28	.039
SC7_RECODE BY GANG	.12	1	.12	.60	.439
SC7_RECODE BY OFFTYPENEW	2.95	3	.98	5.04	.002
(Model)	105.54	21	5.03	25.72	.000
(Total)	429.31	1678	.26		
R-Squared =	.246				
Adjusted R-Squared =	.236				

***** Analysis of Variance-- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	344.75	1657	.21		
SC8_RECODE	53.91	1	53.91	259.10	.000
GENDER	4.56	1	4.56	21.92	.000
RACENEW	3.13	3	1.04	5.02	.002
HISPANIC	.23	1	.23	1.12	.290
CHS	16.21	1	16.21	77.90	.000
GANG	.11	1	.11	.51	.475
OFFTYPENEW	1.11	3	.37	1.78	.150
SC8_RECODE BY GENDER	.06	1	.06	.29	.588
SC8_RECODE BY RACENEW	1.92	3	.64	3.08	.026
SC8_RECODE BY HISPANIC	.28	1	.28	1.36	.244
SC8_RECODE BY CHS	1.64	1	1.64	7.88	.005
SC8_RECODE BY GANG	.02	1	.02	.11	.742
SC8_RECODE BY OFFTYPENEW	1.38	3	.46	2.20	.086
(Model)	84.56	21	4.03	19.35	.000
(Total)	429.31	1678	.26		
R-Squared =	.197				
Adjusted R-Squared =	.187				

Imputation_: 7

***** Analysis of Variance -- Design 4 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 96 non-empty cells.
 4 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC2_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	342.87	1657	.21		
SC1_RECODE	50.41	1	50.41	243.62	.000
GENDER	10.82	1	10.82	52.29	.000
RACENEW	.34	3	.11	.54	.653
HISPANIC	.66	1	.66	3.19	.074
CHS	11.74	1	11.74	56.75	.000
GANG	.12	1	.12	.57	.449
OFFTYPENEW	5.55	3	1.85	8.94	.000
SC1_RECODE BY GENDER	.13	1	.13	.64	.423
SC1_RECODE BY RACENEW	.93	3	.31	1.51	.211
W					
SC1_RECODE BY HISPANIC	.52	1	.52	2.50	.114
IC					
SC1_RECODE BY CHS	3.19	1	3.19	15.43	.000
SC1_RECODE BY GANG	.45	1	.45	2.16	.141
SC1_RECODE BY OFFTYPENEW	1.37	3	.46	2.20	.086
ENEW					
(Model)	86.23	21	4.11	19.84	.000
(Total)	429.11	1678	.26		
R-Squared =	.201				
Adjusted R-Squared =	.191				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC2_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	358.44	1657	.22		
SC4_RECODE	36.96	1	36.96	170.84	.000
GENDER	7.18	1	7.18	33.20	.000
RACENEW	.77	3	.26	1.19	.314
HISPANIC	.71	1	.71	3.26	.071
CHS	16.60	1	16.60	76.76	.000
GANG	.27	1	.27	1.24	.265

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OFFTYPENEW      3.68    3    1.23    5.68    .001
SC4_RECODE BY GENDER    .56    1    .56    2.58    .109
SC4_RECODE BY RACENE    1.70    3    .57    2.61    .050
W
SC4_RECODE BY HISPAN    .00    1    .00    .00    .966
IC
SC4_RECODE BY CHS      1.01    1    1.01    4.69    .031
SC4_RECODE BY GANG      .12    1    .12    .57    .448
SC4_RECODE BY OFFTYP    1.10    3    .37    1.70    .165
ENEW
(Model)          70.66    21    3.36    15.56    .000
(Total)         429.11  1678    .26
R-Squared =      .165
Adjusted R-Squared = .154

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      325.25  1657    .20
SC7_RECODE           81.01    1   81.01  412.70    .000
GENDER                2.45    1    2.45   12.46    .000
RACENEW               1.90    3    .63    3.22    .022
HISPANIC              .60    1    .60    3.06    .081
CHS                   8.96    1    8.96   45.66    .000
GANG                  .04    1    .04    .22    .639
OFFTYPENEW           1.76    3    .59    2.98    .030
SC7_RECODE BY GENDER  .09    1    .09    .45    .505
SC7_RECODE BY RACENE  2.10    3    .70    3.56    .014
W
SC7_RECODE BY HISPAN  .29    1    .29    1.50    .222
IC
SC7_RECODE BY CHS     .71    1    .71    3.61    .057
SC7_RECODE BY GANG    .02    1    .02    .10    .756
SC7_RECODE BY OFFTYP  3.93    3    1.31    6.67    .000
ENEW
(Model)              103.85    21    4.95   25.19    .000
(Total)             429.11  1678    .26
R-Squared =          .242
Adjusted R-Squared = .232

```

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	346.56	1657	.21		
SC8_RECODE	53.22	1	53.22	254.47	.000
GENDER	5.66	1	5.66	27.07	.000
RACENEW	2.59	3	.86	4.13	.006
HISPANIC	.65	1	.65	3.12	.078
CHS	13.99	1	13.99	66.87	.000
GANG	.14	1	.14	.65	.422
OFFTYPENEW	.94	3	.31	1.49	.215
SC8_RECODE BY GENDER	.04	1	.04	.21	.644
SC8_RECODE BY RACENEW	1.70	3	.57	2.71	.044
SC8_RECODE BY HISPANIC	.23	1	.23	1.09	.296
SC8_RECODE BY CHS	1.32	1	1.32	6.30	.012
SC8_RECODE BY GANG	.00	1	.00	.01	.918
SC8_RECODE BY OFFTYPENEW	2.07	3	.69	3.30	.020
(Model)	82.55	21	3.93	18.79	.000
(Total)	429.11	1678	.26		
R-Squared =	.192				
Adjusted R-Squared =	.182				

Imputation_: 8

***** Analysis of Variance -- Design 4 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

97 non-empty cells.

4 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	343.96	1657	.21		
SC1_RECODE	54.35	1	54.35	261.84	.000
GENDER	10.95	1	10.95	52.75	.000
RACENEW	.40	3	.13	.64	.587
HISPANIC	.58	1	.58	2.80	.095
CHS	12.27	1	12.27	59.10	.000
GANG	.02	1	.02	.10	.748
OFFTYPENEW	3.78	3	1.26	6.07	.000
SC1_RECODE BY GENDER	.08	1	.08	.39	.530
SC1_RECODE BY RACENEW	.91	3	.30	1.47	.222
SC1_RECODE BY HISPANIC	.43	1	.43	2.05	.153
SC1_RECODE BY CHS	2.40	1	2.40	11.54	.001
SC1_RECODE BY GANG	.10	1	.10	.47	.494

```

SC1_RECODE BY OFFTYP    2.72    3    .91    4.37    .005
ENEW
(Model)                88.99    21    4.24    20.41    .000
(Total)                432.95  1678    .26
R-Squared =            .206
Adjusted R-Squared =    .195

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	360.68	1657	.22		
SC4_RECODE	38.15	1	38.15	175.25	.000
GENDER	7.24	1	7.24	33.26	.000
RACENEW	1.12	3	.37	1.72	.160
HISPANIC	.62	1	.62	2.85	.091
CHS	17.50	1	17.50	80.38	.000
GANG	.11	1	.11	.53	.468
OFFTYPENEW	2.74	3	.91	4.19	.006
SC4_RECODE BY GENDER	.53	1	.53	2.45	.117
SC4_RECODE BY RACENEW	1.68	3	.56	2.58	.052
W					
SC4_RECODE BY HISPANIC	.01	1	.01	.02	.876
IC					
SC4_RECODE BY CHS	.88	1	.88	4.03	.045
SC4_RECODE BY GANG	.07	1	.07	.31	.579
SC4_RECODE BY OFFTYP	1.62	3	.54	2.48	.059
ENEW					
(Model)	72.27	21	3.44	15.81	.000
(Total)	432.95	1678	.26		
R-Squared =	.167				
Adjusted R-Squared =	.156				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	325.67	1657	.20		
SC7_RECODE	82.36	1	82.36	419.03	.000
GENDER	2.36	1	2.36	12.03	.001
RACENEW	2.27	3	.76	3.85	.009
HISPANIC	.74	1	.74	3.74	.053
CHS	10.65	1	10.65	54.17	.000
GANG	.01	1	.01	.04	.841

```

OFFTYPENEW      2.78    3    .93    4.71    .003
SC7_RECODE BY GENDER    .01    1    .01    .06    .811
SC7_RECODE BY RACENE    2.24    3    .75    3.80    .010
W
SC7_RECODE BY HISPAN    .33    1    .33    1.67    .196
IC
SC7_RECODE BY CHS      .29    1    .29    1.46    .227
SC7_RECODE BY GANG      .18    1    .18    .90    .344
SC7_RECODE BY OFFTYP    3.08    3    1.03    5.22    .001
ENEW
(Model)          107.28    21    5.11    25.99    .000
(Total)          432.95   1678    .26
R-Squared =      .248
Adjusted R-Squared = .238

```

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	348.73	1657	.21		
SC8_RECODE	53.22	1	53.22	252.86	.000
GENDER	5.49	1	5.49	26.08	.000
RACENEW	3.03	3	1.01	4.80	.002
HISPANIC	.63	1	.63	3.01	.083
CHS	16.05	1	16.05	76.25	.000
GANG	.08	1	.08	.36	.546
OFFTYPENEW	.67	3	.22	1.06	.367
SC8_RECODE BY GENDER	.05	1	.05	.26	.612
SC8_RECODE BY RACENE	1.59	3	.53	2.52	.056
W					
SC8_RECODE BY HISPAN	.24	1	.24	1.12	.290
IC					
SC8_RECODE BY CHS	1.24	1	1.24	5.88	.015
SC8_RECODE BY GANG	.00	1	.00	.00	.983
SC8_RECODE BY OFFTYP	1.95	3	.65	3.08	.026
ENEW					
(Model)	84.22	21	4.01	19.06	.000
(Total)	432.95	1678	.26		
R-Squared =	.195				
Adjusted R-Squared =	.184				

Imputation_: 9

***** Analysis of Variance -- Design 4 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

98 non-empty cells.

4 designs will be processed

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	346.02	1657	.21		
SC1_RECODE	52.67	1	52.67	252.22	.000
GENDER	9.78	1	9.78	46.84	.000
RACENEW	.74	3	.25	1.18	.315
HISPANIC	.39	1	.39	1.85	.174
CHS	11.15	1	11.15	53.38	.000
GANG	.34	1	.34	1.65	.199
OFFTYPENEW	5.54	3	1.85	8.84	.000
SC1_RECODE BY GENDER	.07	1	.07	.35	.554
SC1_RECODE BY RACENEW	.85	3	.28	1.36	.255
W					
SC1_RECODE BY HISPANIC	.42	1	.42	2.01	.156
IC					
SC1_RECODE BY CHS	2.57	1	2.57	12.32	.000
SC1_RECODE BY GANG	.51	1	.51	2.46	.117
SC1_RECODE BY OFFTYPENEW	1.29	3	.43	2.06	.104
(Model)	86.33	21	4.11	19.69	.000
(Total)	432.35	1678	.26		
R-Squared =	.200				
Adjusted R-Squared =	.190				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	361.01	1657	.22		
SC4_RECODE	38.13	1	38.13	175.00	.000
GENDER	6.53	1	6.53	29.99	.000
RACENEW	1.27	3	.42	1.94	.121
HISPANIC	.33	1	.33	1.53	.217
CHS	16.46	1	16.46	75.57	.000
GANG	.70	1	.70	3.22	.073
OFFTYPENEW	3.05	3	1.02	4.67	.003
SC4_RECODE BY GENDER	.28	1	.28	1.29	.257
SC4_RECODE BY RACENEW	1.96	3	.65	3.01	.029
W					
SC4_RECODE BY HISPANIC	.05	1	.05	.22	.638
IC					
SC4_RECODE BY CHS	1.14	1	1.14	5.25	.022
SC4_RECODE BY GANG	.78	1	.78	3.58	.059

```

SC4_RECODE BY OFFTYP      .64    3    .21    .98    .401
ENEW
(Model)          71.34    21    3.40    15.59    .000
(Total)         432.35   1678    .26
R-Squared =      .165
Adjusted R-Squared = .154

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	324.47	1657	.20		
SC7_RECODE	84.39	1	84.39	430.98	.000
GENDER	1.75	1	1.75	8.94	.003
RACENEW	2.53	3	.84	4.31	.005
HISPANIC	.38	1	.38	1.95	.163
CHS	9.96	1	9.96	50.85	.000
GANG	.08	1	.08	.39	.531
OFFTYPENEW	2.11	3	.70	3.60	.013
SC7_RECODE BY GENDER	.02	1	.02	.10	.757
SC7_RECODE BY RACENEW	2.44	3	.81	4.15	.006
W					
SC7_RECODE BY HISPANIC	.17	1	.17	.86	.353
IC					
SC7_RECODE BY CHS	1.28	1	1.28	6.53	.011
SC7_RECODE BY GANG	.14	1	.14	.70	.403
SC7_RECODE BY OFFTYP	2.63	3	.88	4.48	.004
ENEW					
(Model)	107.88	21	5.14	26.23	.000
(Total)	432.35	1678	.26		
R-Squared =	.250				
Adjusted R-Squared =	.240				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	348.21	1657	.21		
SC8_RECODE	53.67	1	53.67	255.40	.000
GENDER	4.79	1	4.79	22.78	.000
RACENEW	3.03	3	1.01	4.80	.002
HISPANIC	.45	1	.45	2.16	.142
CHS	14.88	1	14.88	70.79	.000
GANG	.14	1	.14	.66	.418

```

OFFTYPENEW          .70    3    .23    1.11    .344
SC8_RECODE BY GENDER    .05    1    .05    .24    .625
SC8_RECODE BY RACENE    1.53    3    .51    2.43    .064
W
SC8_RECODE BY HISPAN    .13    1    .13    .63    .428
IC
SC8_RECODE BY CHS      2.77    1    2.77    13.17    .000
SC8_RECODE BY GANG      .00    1    .00    .02    .900
SC8_RECODE BY OFFTYP    2.00    3    .67    3.17    .023
ENEW
(Model)              84.14    21    4.01    19.07    .000
(Total)             432.35  1678    .26
R-Squared =          .195
Adjusted R-Squared = .184

```

Imputation_: 10

***** Analysis of Variance-- Design 4 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

98 non-empty cells.

4 designs will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	342.26	1657	.21		
SC1_RECODE	51.87	1	51.87	251.14	.000
GENDER	10.40	1	10.40	50.37	.000
RACENEW	.50	3	.17	.81	.487
HISPANIC	.19	1	.19	.91	.340
CHS	12.70	1	12.70	61.46	.000
GANG	.11	1	.11	.51	.476
OFFTYPENEW	3.50	3	1.17	5.65	.001
SC1_RECODE BY GENDER	.16	1	.16	.79	.375
SC1_RECODE BY RACENE	.72	3	.24	1.16	.322
W					
SC1_RECODE BY HISPAN	.13	1	.13	.61	.437
IC					
SC1_RECODE BY CHS	3.77	1	3.77	18.23	.000
SC1_RECODE BY GANG	.51	1	.51	2.48	.115
SC1_RECODE BY OFFTYP	2.22	3	.74	3.59	.013
ENEW					
(Model)	86.78	21	4.13	20.01	.000
(Total)	429.04	1678	.26		
R-Squared =	.202				
Adjusted R-Squared =	.192				

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	359.50	1657	.22		
SC4_RECODE	36.69	1	36.69	169.12	.000
GENDER	7.02	1	7.02	32.37	.000
RACENEW	.87	3	.29	1.34	.259
HISPANIC	.24	1	.24	1.09	.296
CHS	18.16	1	18.16	83.72	.000
GANG	.28	1	.28	1.31	.253
OFFTYPENEW	2.17	3	.72	3.33	.019
SC4_RECODE BY GENDER	.30	1	.30	1.38	.241
SC4_RECODE BY RACENEW	1.65	3	.55	2.54	.055
W					
SC4_RECODE BY HISPANIC	.08	1	.08	.38	.537
IC					
SC4_RECODE BY CHS	1.32	1	1.32	6.06	.014
SC4_RECODE BY GANG	.24	1	.24	1.09	.296
SC4_RECODE BY OFFTYPENEW	.51	3	.17	.79	.502
ENEW					
(Model)	69.54	21	3.31	15.26	.000
(Total)	429.04	1678	.26		
R-Squared =	.162				
Adjusted R-Squared =	.151				

***** Analysis of Variance-- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 3 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	324.16	1657	.20		
SC7_RECODE	84.40	1	84.40	431.46	.000
GENDER	2.08	1	2.08	10.66	.001
RACENEW	1.75	3	.58	2.99	.030
HISPANIC	.36	1	.36	1.84	.175
CHS	9.78	1	9.78	49.98	.000
GANG	.08	1	.08	.43	.513
OFFTYPENEW	.92	3	.31	1.56	.196
SC7_RECODE BY GENDER	.05	1	.05	.24	.624
SC7_RECODE BY RACENEW	1.92	3	.64	3.27	.021
W					
SC7_RECODE BY HISPANIC	.41	1	.41	2.10	.148
IC					
SC7_RECODE BY CHS	.80	1	.80	4.09	.043
SC7_RECODE BY GANG	.01	1	.01	.03	.856

```

SC7_RECODE BY OFFTYP      2.32    3    .77    3.95    .008
ENEW
(Model)          104.89    21    4.99    25.53    .000
(Total)          429.04  1678    .26
R-Squared =      .244
Adjusted R-Squared = .235

```

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC2_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC2_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	345.46	1657	.21		
SC8_RECODE	53.10	1	53.10	254.72	.000
GENDER	5.20	1	5.20	24.95	.000
RACENEW	2.46	3	.82	3.94	.008
HISPANIC	.29	1	.29	1.38	.241
CHS	16.07	1	16.07	77.09	.000
GANG	.20	1	.20	.96	.328
OFFTYPENEW	.42	3	.14	.66	.574
SC8_RECODE BY GENDER	.04	1	.04	.19	.667
SC8_RECODE BY RACENEW	1.12	3	.37	1.79	.147
W					
SC8_RECODE BY HISPANIC	.76	1	.76	3.64	.056
IC					
SC8_RECODE BY CHS	1.69	1	1.69	8.09	.005
SC8_RECODE BY GANG	.02	1	.02	.09	.759
SC8_RECODE BY OFFTYP	2.21	3	.74	3.54	.014
ENEW					
(Model)	83.58	21	3.98	19.09	.000
(Total)	429.04	1678	.26		
R-Squared =	.195				
Adjusted R-Squared =	.185				

Abbreviated Extended

Name Name

SC2_Reco SC2_Recode

Appendix S6: Homogeneity of Regression Model 5

SPSS Syntax:

```

MANOVA SC3_Recode BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3) WITH SC1_Recode
SC4_Recode SC7_Recode SC8_Recode SC2_Recode
  /ANALYSIS=SC3_Recode
  /METHOD=SEQUENTIAL
/DESIGN SC1_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC1_Recode BY
GENDER SC1_Recode BY RACENEW SC1_Recode BY HISPANIC SC1_Recode BY CHS SC1_Recode BY
GANG SC1_Recode BY OFFTYPENEW
/DESIGN SC4_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC4_Recode BY
GENDER SC4_Recode BY RACENEW SC4_Recode BY HISPANIC SC4_Recode BY CHS SC4_Recode BY
GANG SC4_Recode BY OFFTYPENEW
/DESIGN SC7_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC7_Recode BY
GENDER SC7_Recode BY RACENEW SC7_Recode BY HISPANIC SC7_Recode BY CHS SC7_Recode BY
GANG SC7_Recode BY OFFTYPENEW
/DESIGN SC8_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC8_Recode BY
GENDER SC8_Recode BY RACENEW SC8_Recode BY HISPANIC SC8_Recode BY CHS SC8_Recode BY
GANG SC8_Recode BY OFFTYPENEW
/DESIGN SC2_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC2_Recode BY
GENDER SC2_Recode BY RACENEW SC2_Recode BY HISPANIC SC2_Recode BY CHS SC2_Recode BY
GANG SC2_Recode BY OFFTYPENEW.

```

Imputation_: 1

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

5 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	506.69	1657	.31		
SC1_RECDE	39.51	1	39.51	129.20	.000
GENDER	.11	1	.11	.35	.554
RACENEW	1.67	3	.56	1.82	.142
HISPANIC	1.97	1	1.97	6.43	.011
CHS	.94	1	.94	3.09	.079
GANG	2.65	1	2.65	8.66	.003
OFFTYPENEW	6.02	3	2.01	6.57	.000
SC1_RECDE BY GENDER	.02	1	.02	.07	.792
SC1_RECDE BY RACENEW	1.43	3	.48	1.56	.197
W					
SC1_RECDE BY HISPANIC	1.63	1	1.63	5.34	.021
IC					

```

SC1_RECODE BY CHS      .06    1    .06    .20    .652
SC1_RECODE BY GANG      .48    1    .48    1.56    .212
SC1_RECODE BY OFFTYP    3.25    3    1.08    3.54    .014
ENEW
(Model)                59.74    21    2.84    9.30    .000
(Total)                566.43  1678    .34
R-Squared =            .105
Adjusted R-Squared =    .094

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	496.86	1657	.30		
SC4_RECODE	48.04	1	48.04	160.21	.000
GENDER	.04	1	.04	.15	.702
RACENEW	2.99	3	1.00	3.32	.019
HISPANIC	1.93	1	1.93	6.42	.011
CHS	1.50	1	1.50	5.00	.025
GANG	2.69	1	2.69	8.97	.003
OFFTYPENEW	4.52	3	1.51	5.03	.002
SC4_RECODE BY GENDER	.00	1	.00	.00	.954
SC4_RECODE BY RACENEW	3.14	3	1.05	3.49	.015
W					
SC4_RECODE BY HISPANIC	1.03	1	1.03	3.43	.064
IC					
SC4_RECODE BY CHS	.01	1	.01	.02	.884
SC4_RECODE BY GANG	.05	1	.05	.17	.683
SC4_RECODE BY OFFTYP	3.64	3	1.21	4.04	.007
ENEW					
(Model)	69.57	21	3.31	11.05	.000
(Total)	566.43	1678	.34		
R-Squared =	.123				
Adjusted R-Squared =	.112				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	443.68	1657	.27		
SC7_RECODE	97.00	1	97.00	362.25	.000
GENDER	2.43	1	2.43	9.07	.003
RACENEW	6.06	3	2.02	7.55	.000
HISPANIC	1.88	1	1.88	7.01	.008

```

CHS          .04    1    .04    .13    .713
GANG         1.70    1    1.70    6.35    .012
OFFTYPENEW   7.45    3    2.48    9.28    .000
SC7_RECODE BY GENDER    .41    1    .41    1.52    .218
SC7_RECODE BY RACENE    2.52    3    .84    3.14    .024
W
SC7_RECODE BY HISPAN    .32    1    .32    1.21    .272
IC
SC7_RECODE BY CHS      .41    1    .41    1.55    .214
SC7_RECODE BY GANG     .73    1    .73    2.73    .099
SC7_RECODE BY OFFTYP   1.81    3    .60    2.25    .081
ENEW
(Model)      122.76    21    5.85    21.83    .000
(Total)      566.43   1678    .34
R-Squared =    .217
Adjusted R-Squared = .207

```

***** Analysis of Variance-- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      508.37  1657    .31
SC8_RECODE           39.15    1   39.15  127.60    .000
GENDER               .17    1    .17    .56    .456
RACENEW              7.52    3    2.51    8.17    .000
HISPANIC             2.09    1    2.09    6.81    .009
CHS                  1.83    1    1.83    5.95    .015
GANG                 2.54    1    2.54    8.29    .004
OFFTYPENEW           3.15    3    1.05    3.42    .017
SC8_RECODE BY GENDER    .09    1    .09    .29    .591
SC8_RECODE BY RACENE    .81    3    .27    .88    .449
W
SC8_RECODE BY HISPAN    .08    1    .08    .27    .605
IC
SC8_RECODE BY CHS      .00    1    .00    .01    .906
SC8_RECODE BY GANG     .51    1    .51    1.66    .198
SC8_RECODE BY OFFTYP   .12    3    .04    .13    .939
ENEW
(Model)              58.06    21    2.76    9.01    .000
(Total)              566.43   1678    .34
R-Squared =          .102
Adjusted R-Squared = .091

```

***** Analysis of Variance-- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	476.88	1657	.29		
SC2_RECODE	70.87	1	70.87	246.25	.000
GENDER	1.46	1	1.46	5.08	.024
RACENEW	3.73	3	1.24	4.31	.005
HISPANIC	1.33	1	1.33	4.62	.032
CHS	.01	1	.01	.05	.821
GANG	3.65	1	3.65	12.69	.000
OFFTYPENEW	2.74	3	.91	3.17	.023
SC2_RECODE BY GENDER	.10	1	.10	.33	.564
SC2_RECODE BY RACENEW	2.78	3	.93	3.22	.022
SC2_RECODE BY HISPANIC	.11	1	.11	.40	.528
SC2_RECODE BY CHS	.43	1	.43	1.49	.222
SC2_RECODE BY GANG	.55	1	.55	1.93	.165
SC2_RECODE BY OFFTYPENEW	1.78	3	.59	2.06	.103
(Model)	89.55	21	4.26	14.82	.000
(Total)	566.43	1678	.34		

R-Squared = .158

Adjusted R-Squared = .147

Imputation_: 2

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

102 non-empty cells.

5 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	502.63	1657	.30		
SC1_RECODE	40.40	1	40.40	133.18	.000
GENDER	.08	1	.08	.27	.601
RACENEW	1.95	3	.65	2.14	.093
HISPANIC	.38	1	.38	1.26	.262
CHS	1.71	1	1.71	5.62	.018
GANG	3.36	1	3.36	11.07	.001
OFFTYPENEW	8.49	3	2.83	9.33	.000
SC1_RECODE BY GENDER	.00	1	.00	.01	.934
SC1_RECODE BY RACENEW	1.22	3	.41	1.34	.260
SC1_RECODE BY HISPANIC	1.96	1	1.96	6.45	.011

```

IC
SC1_RECODE BY CHS      .02    1    .02    .05    .823
SC1_RECODE BY GANG      .01    1    .01    .03    .859
SC1_RECODE BY OFFTYP    2.24    3    .75    2.47    .061
ENEW
(Model)                61.82   21    2.94    9.70    .000
(Total)                564.45 1678    .34
R-Squared =            .110
Adjusted R-Squared =    .098

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	493.55	1657	.30		
SC4_RECODE	48.08	1	48.08	161.43	.000
GENDER	.03	1	.03	.09	.763
RACENEW	3.81	3	1.27	4.26	.005
HISPANIC	.53	1	.53	1.79	.181
CHS	2.71	1	2.71	9.10	.003
GANG	3.85	1	3.85	12.92	.000
OFFTYPENEW	5.95	3	1.98	6.66	.000
SC4_RECODE BY GENDER	.00	1	.00	.01	.939
SC4_RECODE BY RACENE	2.97	3	.99	3.32	.019
W					
SC4_RECODE BY HISPAN	.43	1	.43	1.45	.228
IC					
SC4_RECODE BY CHS	.10	1	.10	.33	.568
SC4_RECODE BY GANG	.24	1	.24	.82	.365
SC4_RECODE BY OFFTYP	2.19	3	.73	2.45	.062
ENEW					
(Model)	70.89	21	3.38	11.33	.000
(Total)	564.45	1678	.34		
R-Squared =	.126				
Adjusted R-Squared =	.115				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	441.64	1657	.27		
SC7_RECODE	97.92	1	97.92	367.39	.000
GENDER	2.55	1	2.55	9.58	.002
RACENEW	6.66	3	2.22	8.33	.000

HISPANIC	.55	1	.55	2.05	.152
CHS	.25	1	.25	.92	.337
GANG	1.86	1	1.86	6.98	.008
OFFTYPENEW	5.85	3	1.95	7.31	.000
SC7_RECODE BY GENDER	.44	1	.44	1.64	.200
SC7_RECODE BY RACENE	2.97	3	.99	3.72	.011
W					
SC7_RECODE BY HISPAN	.01	1	.01	.03	.866
IC					
SC7_RECODE BY CHS	.27	1	.27	1.01	.314
SC7_RECODE BY GANG	1.02	1	1.02	3.82	.051
SC7_RECODE BY OFFTYP	2.47	3	.82	3.08	.026
ENEW					
(Model)	122.81	21	5.85	21.94	.000
(Total)	564.45	1678	.34		
R-Squared =	.218				
Adjusted R-Squared =	.208				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	504.35	1657	.30		
SC8_RECODE	38.40	1	38.40	126.17	.000
GENDER	.22	1	.22	.74	.391
RACENEW	8.19	3	2.73	8.97	.000
HISPANIC	.71	1	.71	2.33	.127
CHS	2.56	1	2.56	8.42	.004
GANG	2.89	1	2.89	9.50	.002
OFFTYPENEW	4.03	3	1.34	4.42	.004
SC8_RECODE BY GENDER	.26	1	.26	.85	.358
SC8_RECODE BY RACENE	.86	3	.29	.95	.417
W					
SC8_RECODE BY HISPAN	.11	1	.11	.35	.553
IC					
SC8_RECODE BY CHS	.02	1	.02	.07	.789
SC8_RECODE BY GANG	.85	1	.85	2.80	.094
SC8_RECODE BY OFFTYP	.97	3	.32	1.06	.364
ENEW					
(Model)	60.09	21	2.86	9.40	.000
(Total)	564.45	1678	.34		
R-Squared =	.106				
Adjusted R-Squared =	.095				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	477.61	1657	.29		
SC2_RECODE	67.49	1	67.49	234.13	.000
GENDER	1.64	1	1.64	5.70	.017
RACENEW	4.16	3	1.39	4.81	.002
HISPANIC	.22	1	.22	.76	.382
CHS	.44	1	.44	1.53	.216
GANG	3.18	1	3.18	11.02	.001
OFFTYPENEW	3.11	3	1.04	3.60	.013
SC2_RECODE BY GENDER	.06	1	.06	.21	.650
SC2_RECODE BY RACENEW	3.24	3	1.08	3.74	.011
SC2_RECODE BY HISPANIC	.04	1	.04	.14	.711
SC2_RECODE BY CHS	.59	1	.59	2.05	.153
SC2_RECODE BY GANG	.31	1	.31	1.06	.303
SC2_RECODE BY OFFTYPENEW	2.36	3	.79	2.73	.043
(Model)	86.83	21	4.13	14.35	.000
(Total)	564.45	1678	.34		
R-Squared =	.154				
Adjusted R-Squared =	.143				

 Imputation_: 3

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 99 non-empty cells.
 5 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	504.15	1657	.30		
SC1_RECODE	38.16	1	38.16	125.44	.000
GENDER	.03	1	.03	.10	.754
RACENEW	2.15	3	.72	2.36	.070
HISPANIC	1.40	1	1.40	4.61	.032
CHS	.67	1	.67	2.19	.139
GANG	3.42	1	3.42	11.22	.001
OFFTYPENEW	7.01	3	2.34	7.68	.000
SC1_RECODE BY GENDER	.00	1	.00	.00	.956
SC1_RECODE BY RACENEW	1.21	3	.40	1.32	.266
SC1_RECODE BY HISPANIC	1.24	1	1.24	4.09	.043

```

IC
SC1_RECODE BY CHS      .19   1   .19   .61   .436
SC1_RECODE BY GANG     .10   1   .10   .34   .559
SC1_RECODE BY OFFTYP   1.81   3   .60   1.98   .115
ENEW
(Model)                57.39  21   2.73   8.98   .000
(Total)                561.53 1678   .33
R-Squared =           .102
Adjusted R-Squared =   .091

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	491.47	1657	.30		
SC4_RECODE	48.60	1	48.60	163.86	.000
GENDER	.15	1	.15	.50	.482
RACENEW	3.56	3	1.19	4.01	.007
HISPANIC	1.39	1	1.39	4.69	.030
CHS	1.42	1	1.42	4.78	.029
GANG	3.81	1	3.81	12.85	.000
OFFTYPENEW	4.56	3	1.52	5.13	.002
SC4_RECODE BY GENDER	.00	1	.00	.01	.919
SC4_RECODE BY RACENE	3.20	3	1.07	3.60	.013
W					
SC4_RECODE BY HISPAN	.67	1	.67	2.24	.134
IC					
SC4_RECODE BY CHS	.13	1	.13	.43	.513
SC4_RECODE BY GANG	.11	1	.11	.36	.550
SC4_RECODE BY OFFTYP	2.46	3	.82	2.77	.040
ENEW					
(Model)	70.07	21	3.34	11.25	.000
(Total)	561.53	1678	.33		
R-Squared =	.125				
Adjusted R-Squared =	.114				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	440.37	1657	.27		
SC7_RECODE	95.18	1	95.18	358.15	.000
GENDER	2.62	1	2.62	9.87	.002
RACENEW	6.79	3	2.26	8.52	.000

HISPANIC	1.52	1	1.52	5.72	.017
CHS	.00	1	.00	.01	.933
GANG	2.11	1	2.11	7.93	.005
OFFTYPENEW	6.75	3	2.25	8.47	.000
SC7_RECODE BY GENDER	.21	1	.21	.80	.372
SC7_RECODE BY RACENE	2.27	3	.76	2.85	.036
W					
SC7_RECODE BY HISPAN	.22	1	.22	.83	.362
IC					
SC7_RECODE BY CHS	.42	1	.42	1.58	.209
SC7_RECODE BY GANG	.74	1	.74	2.78	.096
SC7_RECODE BY OFFTYP	2.33	3	.78	2.92	.033
ENEW					
(Model)	121.17	21	5.77	21.71	.000
(Total)	561.53	1678	.33		
R-Squared =	.216				
Adjusted R-Squared =	.206				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	504.87	1657	.30		
SC8_RECODE	36.27	1	36.27	119.05	.000
GENDER	.39	1	.39	1.27	.260
RACENEW	8.29	3	2.76	9.07	.000
HISPANIC	1.78	1	1.78	5.85	.016
CHS	1.19	1	1.19	3.91	.048
GANG	3.08	1	3.08	10.09	.002
OFFTYPENEW	3.38	3	1.13	3.70	.011
SC8_RECODE BY GENDER	.14	1	.14	.44	.505
SC8_RECODE BY RACENE	.47	3	.16	.51	.675
W					
SC8_RECODE BY HISPAN	.39	1	.39	1.26	.261
IC					
SC8_RECODE BY CHS	.07	1	.07	.24	.623
SC8_RECODE BY GANG	.69	1	.69	2.27	.132
SC8_RECODE BY OFFTYP	.53	3	.18	.58	.630
ENEW					
(Model)	56.66	21	2.70	8.86	.000
(Total)	561.53	1678	.33		
R-Squared =	.101				
Adjusted R-Squared =	.090				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	472.48	1657	.29		
SC2_RECODE	68.35	1	68.35	239.71	.000
GENDER	1.72	1	1.72	6.04	.014
RACENEW	4.79	3	1.60	5.60	.001
HISPANIC	.93	1	.93	3.25	.072
CHS	.02	1	.02	.06	.814
GANG	3.51	1	3.51	12.29	.000
OFFTYPENEW	2.97	3	.99	3.47	.016
SC2_RECODE BY GENDER	.07	1	.07	.24	.621
SC2_RECODE BY RACENEW	2.59	3	.86	3.03	.028
SC2_RECODE BY HISPANIC	.33	1	.33	1.16	.282
SC2_RECODE BY CHS	2.04	1	2.04	7.16	.008
SC2_RECODE BY GANG	.31	1	.31	1.08	.299
SC2_RECODE BY OFFTYPENEW	1.43	3	.48	1.67	.172
(Model)	89.05	21	4.24	14.87	.000
(Total)	561.53	1678	.33		
R-Squared =	.159				
Adjusted R-Squared =	.148				

 Imputation_: 4

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 101 non-empty cells.
 5 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	503.95	1657	.30		
SC1_RECODE	37.84	1	37.84	124.43	.000
GENDER	.12	1	.12	.38	.536
RACENEW	1.23	3	.41	1.35	.257
HISPANIC	1.27	1	1.27	4.17	.041
CHS	.31	1	.31	1.01	.314
GANG	3.32	1	3.32	10.93	.001
OFFTYPENEW	7.93	3	2.64	8.69	.000
SC1_RECODE BY GENDER	.02	1	.02	.05	.819
SC1_RECODE BY RACENEW	1.23	3	.41	1.34	.258
SC1_RECODE BY HISPANIC	1.07	1	1.07	3.52	.061

```

IC
SC1_RECODE BY CHS      .01    1    .01    .03    .853
SC1_RECODE BY GANG      .26    1    .26    .85    .357
SC1_RECODE BY OFFTYP    1.91    3    .64    2.10    .099
ENEW
(Model)                56.52    21    2.69    8.85    .000
(Total)                560.47  1678    .33
R-Squared =            .101
Adjusted R-Squared =    .089

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	487.97	1657	.29		
SC4_RECODE	48.62	1	48.62	165.11	.000
GENDER	.04	1	.04	.13	.724
RACENEW	2.27	3	.76	2.57	.053
HISPANIC	1.26	1	1.26	4.28	.039
CHS	.98	1	.98	3.32	.069
GANG	3.66	1	3.66	12.44	.000
OFFTYPENEW	6.24	3	2.08	7.07	.000
SC4_RECODE BY GENDER	.00	1	.00	.01	.934
SC4_RECODE BY RACENE	3.46	3	1.15	3.92	.008
W					
SC4_RECODE BY HISPAN	.47	1	.47	1.59	.208
IC					
SC4_RECODE BY CHS	.98	1	.98	3.33	.068
SC4_RECODE BY GANG	.11	1	.11	.38	.535
SC4_RECODE BY OFFTYP	4.39	3	1.46	4.97	.002
ENEW					
(Model)	72.49	21	3.45	11.72	.000
(Total)	560.47	1678	.33		
R-Squared =	.129				
Adjusted R-Squared =	.118				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	439.68	1657	.27		
SC7_RECODE	97.32	1	97.32	366.78	.000
GENDER	2.50	1	2.50	9.41	.002
RACENEW	5.21	3	1.74	6.54	.000

HISPANIC	1.35	1	1.35	5.10	.024
CHS	.16	1	.16	.62	.431
GANG	2.02	1	2.02	7.62	.006
OFFTYPENEW	5.39	3	1.80	6.77	.000
SC7_RECODE BY GENDER	.62	1	.62	2.33	.127
SC7_RECODE BY RACENE	2.48	3	.83	3.12	.025
W					
SC7_RECODE BY HISPAN	.35	1	.35	1.33	.249
IC					
SC7_RECODE BY CHS	.13	1	.13	.50	.478
SC7_RECODE BY GANG	.96	1	.96	3.62	.057
SC7_RECODE BY OFFTYP	2.28	3	.76	2.86	.036
ENEW					
(Model)	120.79	21	5.75	21.68	.000
(Total)	560.47	1678	.33		
R-Squared =	.216				
Adjusted R-Squared =	.206				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	503.22	1657	.30		
SC8_RECODE	39.76	1	39.76	130.91	.000
GENDER	.26	1	.26	.86	.354
RACENEW	6.20	3	2.07	6.81	.000
HISPANIC	1.40	1	1.40	4.60	.032
CHS	.49	1	.49	1.61	.205
GANG	2.73	1	2.73	8.99	.003
OFFTYPENEW	2.94	3	.98	3.23	.022
SC8_RECODE BY GENDER	.36	1	.36	1.18	.278
SC8_RECODE BY RACENE	.81	3	.27	.89	.448
W					
SC8_RECODE BY HISPAN	.08	1	.08	.28	.598
IC					
SC8_RECODE BY CHS	.28	1	.28	.93	.335
SC8_RECODE BY GANG	.82	1	.82	2.70	.100
SC8_RECODE BY OFFTYP	1.12	3	.37	1.23	.299
ENEW					
(Model)	57.25	21	2.73	8.98	.000
(Total)	560.47	1678	.33		
R-Squared =	.102				
Adjusted R-Squared =	.091				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	473.00	1657	.29		
SC2_RECODE	67.81	1	67.81	237.54	.000
GENDER	1.05	1	1.05	3.69	.055
RACENEW	3.26	3	1.09	3.81	.010
HISPANIC	.87	1	.87	3.05	.081
CHS	.08	1	.08	.27	.602
GANG	3.56	1	3.56	12.46	.000
OFFTYPENEW	2.93	3	.98	3.42	.017
SC2_RECODE BY GENDER	.33	1	.33	1.17	.281
SC2_RECODE BY RACENEW	2.66	3	.89	3.11	.025
W					
SC2_RECODE BY HISPANIC	.20	1	.20	.70	.403
IC					
SC2_RECODE BY CHS	1.20	1	1.20	4.19	.041
SC2_RECODE BY GANG	.39	1	.39	1.37	.242
SC2_RECODE BY OFFTYPENEW	3.13	3	1.04	3.65	.012
ENEW					
(Model)	87.46	21	4.16	14.59	.000
(Total)	560.47	1678	.33		
R-Squared =	.156				
Adjusted R-Squared =	.145				

 Imputation_: 5

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 92 non-empty cells.
 5 designs will be processed

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	498.75	1657	.30		
SC1_RECODE	40.26	1	40.26	133.75	.000
GENDER	.30	1	.30	1.01	.315
RACENEW	1.50	3	.50	1.66	.174
HISPANIC	.39	1	.39	1.31	.252
CHS	1.59	1	1.59	5.27	.022
GANG	2.39	1	2.39	7.96	.005
OFFTYPENEW	12.52	3	4.17	13.86	.000
SC1_RECODE BY GENDER	.02	1	.02	.08	.779
SC1_RECODE BY RACENEW	1.34	3	.45	1.49	.216
W					
SC1_RECODE BY HISPANIC	.23	1	.23	.76	.384

```

IC
SC1_RECODE BY CHS      .04    1    .04    .12    .726
SC1_RECODE BY GANG      .24    1    .24    .80    .370
SC1_RECODE BY OFFTYP    1.72    3    .57    1.91    .127
ENEW
(Model)                62.55    21    2.98    9.90    .000
(Total)                561.30  1678    .33
R-Squared =            .111
Adjusted R-Squared =    .100

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      485.65  1657    .29
SC4_RECODE            49.55    1   49.55  169.08    .000
GENDER                .00     1    .00    .00    .999
RACENEW              2.99     3    1.00    3.40    .017
HISPANIC              .32     1    .32    1.11    .293
CHS                   2.59     1    2.59    8.83    .003
GANG                  2.37     1    2.37    8.08    .005
OFFTYPENEW           10.64     3    3.55   12.10    .000
SC4_RECODE BY GENDER  .02     1    .02    .07    .786
SC4_RECODE BY RACENE  3.40     3    1.13    3.86    .009
W
SC4_RECODE BY HISPAN  .25     1    .25    .84    .358
IC
SC4_RECODE BY CHS     .13     1    .13    .44    .509
SC4_RECODE BY GANG    .05     1    .05    .16    .690
SC4_RECODE BY OFFTYP  3.35     3    1.12    3.81    .010
ENEW
(Model)              75.65    21    3.60   12.29    .000
(Total)              561.30  1678    .33
R-Squared =          .135
Adjusted R-Squared = .124

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      440.01  1657    .27
SC7_RECODE            96.55    1   96.55  363.58    .000
GENDER                1.77     1    1.77    6.67    .010
RACENEW              5.97     3    1.99    7.49    .000

```

```

HISPANIC          .41    1    .41    1.54    .214
CHS                .08    1    .08    .30    .583
GANG              1.35    1    1.35    5.10    .024
OFFTYPENEW        7.98    3    2.66   10.02    .000
SC7_RECODE BY GENDER    .31    1    .31    1.17    .279
SC7_RECODE BY RACENE   2.70    3    .90    3.39    .017
W
SC7_RECODE BY HISPAN   .18    1    .18    .67    .412
IC
SC7_RECODE BY CHS      .81    1    .81    3.05    .081
SC7_RECODE BY GANG     .83    1    .83    3.11    .078
SC7_RECODE BY OFFTYP   2.36    3    .79    2.96    .031
ENEW
(Model)           121.29   21    5.78   21.75    .000
(Total)           561.30  1678   .33
R-Squared =       .216
Adjusted R-Squared = .206

```

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL       503.38  1657    .30
SC8_RECODE            36.94    1   36.94  121.61    .000
GENDER                .03    1    .03    .10    .747
RACENEW              7.18    3    2.39    7.88    .000
HISPANIC              .46    1    .46    1.51    .219
CHS                   2.49    1    2.49    8.21    .004
GANG                  2.36    1    2.36    7.76    .005
OFFTYPENEW           6.33    3    2.11    6.94    .000
SC8_RECODE BY GENDER   .05    1    .05    .17    .677
SC8_RECODE BY RACENE   1.16    3    .39    1.27    .284
W
SC8_RECODE BY HISPAN   .09    1    .09    .30    .586
IC
SC8_RECODE BY CHS      .01    1    .01    .03    .866
SC8_RECODE BY GANG     .42    1    .42    1.39    .239
SC8_RECODE BY OFFTYP   .39    3    .13    .43    .733
ENEW
(Model)               57.92   21    2.76    9.08    .000
(Total)               561.30  1678   .33
R-Squared =           .103
Adjusted R-Squared =   .092

```

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	474.75	1657	.29		
SC2_RECODE	66.96	1	66.96	233.72	.000
GENDER	.82	1	.82	2.87	.091
RACENEW	3.84	3	1.28	4.47	.004
HISPANIC	.18	1	.18	.64	.422
CHS	.22	1	.22	.77	.381
GANG	3.19	1	3.19	11.14	.001
OFFTYPENEW	5.64	3	1.88	6.56	.000
SC2_RECODE BY GENDER	.17	1	.17	.58	.448
SC2_RECODE BY RACENEW	2.65	3	.88	3.08	.026
SC2_RECODE BY HISPANIC	.00	1	.00	.01	.915
SC2_RECODE BY CHS	1.47	1	1.47	5.14	.024
SC2_RECODE BY GANG	.35	1	.35	1.22	.269
SC2_RECODE BY OFFTYPENEW	1.04	3	.35	1.21	.303
(Model)	86.55	21	4.12	14.38	.000
(Total)	561.30	1678	.33		
R-Squared =	.154				
Adjusted R-Squared =	.143				

 Imputation_: 6

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 102 non-empty cells.
 5 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	500.38	1657	.30		
SC1_RECODE	40.87	1	40.87	135.34	.000
GENDER	.09	1	.09	.30	.582
RACENEW	1.69	3	.56	1.87	.133
HISPANIC	1.26	1	1.26	4.17	.041
CHS	1.44	1	1.44	4.78	.029
GANG	2.62	1	2.62	8.67	.003
OFFTYPENEW	5.31	3	1.77	5.87	.001
SC1_RECODE BY GENDER	.01	1	.01	.02	.879
SC1_RECODE BY RACENEW	1.21	3	.40	1.33	.262
SC1_RECODE BY HISPANIC	.82	1	.82	2.72	.099


```

IC
SC1_RECODE BY CHS      .14    1    .14    .47    .493
SC1_RECODE BY GANG      .08    1    .08    .27    .605
SC1_RECODE BY OFFTYP    3.08    3    1.03    3.39    .017
ENEW
(Model)                58.62    21    2.79    9.24    .000
(Total)                558.99  1678    .33
R-Squared =            .105
Adjusted R-Squared =    .094

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	488.02	1657	.29		
SC4_RECODE	49.70	1	49.70	168.76	.000
GENDER	.06	1	.06	.20	.656
RACENEW	3.15	3	1.05	3.57	.014
HISPANIC	1.01	1	1.01	3.45	.064
CHS	2.59	1	2.59	8.80	.003
GANG	3.13	1	3.13	10.64	.001
OFFTYPENEW	4.17	3	1.39	4.72	.003
SC4_RECODE BY GENDER	.00	1	.00	.01	.905
SC4_RECODE BY RACENE	3.24	3	1.08	3.67	.012
W					
SC4_RECODE BY HISPAN	.60	1	.60	2.03	.155
IC					
SC4_RECODE BY CHS	.04	1	.04	.15	.699
SC4_RECODE BY GANG	.09	1	.09	.31	.578
SC4_RECODE BY OFFTYP	3.17	3	1.06	3.59	.013
ENEW					
(Model)	70.97	21	3.38	11.48	.000
(Total)	558.99	1678	.33		
R-Squared =	.127				
Adjusted R-Squared =	.116				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	438.38	1657	.26		
SC7_RECODE	97.50	1	97.50	368.54	.000
GENDER	2.55	1	2.55	9.62	.002
RACENEW	6.33	3	2.11	7.97	.000

HISPANIC	1.35	1	1.35	5.09	.024
CHS	.06	1	.06	.23	.631
GANG	1.54	1	1.54	5.83	.016
OFFTYPENEW	5.29	3	1.76	6.66	.000
SC7_RECODE BY GENDER	.22	1	.22	.85	.357
SC7_RECODE BY RACENE	2.82	3	.94	3.55	.014
W					
SC7_RECODE BY HISPAN	.24	1	.24	.91	.339
IC					
SC7_RECODE BY CHS	.07	1	.07	.25	.620
SC7_RECODE BY GANG	.67	1	.67	2.53	.112
SC7_RECODE BY OFFTYP	1.98	3	.66	2.49	.059
ENEW					
(Model)	120.61	21	5.74	21.71	.000
(Total)	558.99	1678	.33		
R-Squared =	.216				
Adjusted R-Squared =	.206				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	502.94	1657	.30		
SC8_RECODE	37.13	1	37.13	122.33	.000
GENDER	.34	1	.34	1.11	.293
RACENEW	7.48	3	2.49	8.21	.000
HISPANIC	1.24	1	1.24	4.08	.043
CHS	2.33	1	2.33	7.67	.006
GANG	2.33	1	2.33	7.67	.006
OFFTYPENEW	2.83	3	.94	3.11	.025
SC8_RECODE BY GENDER	.08	1	.08	.26	.607
SC8_RECODE BY RACENE	.53	3	.18	.59	.623
W					
SC8_RECODE BY HISPAN	.36	1	.36	1.19	.275
IC					
SC8_RECODE BY CHS	.00	1	.00	.00	.979
SC8_RECODE BY GANG	.92	1	.92	3.04	.081
SC8_RECODE BY OFFTYP	.47	3	.16	.52	.668
ENEW					
(Model)	56.05	21	2.67	8.79	.000
(Total)	558.99	1678	.33		
R-Squared =	.100				
Adjusted R-Squared =	.089				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	471.28	1657	.28		
SC2_RECODE	69.39	1	69.39	243.97	.000
GENDER	1.46	1	1.46	5.15	.023
RACENEW	3.81	3	1.27	4.47	.004
HISPANIC	.97	1	.97	3.42	.065
CHS	.13	1	.13	.46	.497
GANG	2.80	1	2.80	9.85	.002
OFFTYPENEW	2.16	3	.72	2.53	.056
SC2_RECODE BY GENDER	.08	1	.08	.28	.595
SC2_RECODE BY RACENEW	2.88	3	.96	3.38	.018
SC2_RECODE BY HISPANIC	.66	1	.66	2.32	.128
SC2_RECODE BY CHS	.86	1	.86	3.03	.082
SC2_RECODE BY GANG	.22	1	.22	.78	.377
SC2_RECODE BY OFFTYPENEW	2.27	3	.76	2.66	.047
(Model)	87.71	21	4.18	14.68	.000
(Total)	558.99	1678	.33		
R-Squared =	.157				
Adjusted R-Squared =	.146				

 Imputation_: 7

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 96 non-empty cells.
 5 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	503.82	1657	.30		
SC1_RECODE	38.74	1	38.74	127.42	.000
GENDER	.16	1	.16	.54	.465
RACENEW	2.03	3	.68	2.22	.083
HISPANIC	.95	1	.95	3.14	.077
CHS	.42	1	.42	1.37	.243
GANG	2.09	1	2.09	6.86	.009
OFFTYPENEW	9.07	3	3.02	9.94	.000
SC1_RECODE BY GENDER	.00	1	.00	.01	.920
SC1_RECODE BY RACENEW	1.14	3	.38	1.25	.289
SC1_RECODE BY HISPANIC	1.43	1	1.43	4.69	.030

```

IC
SC1_RECODE BY CHS      .01    1    .01    .03    .872
SC1_RECODE BY GANG      .60    1    .60    1.98    .160
SC1_RECODE BY OFFTYP    1.94    3    .65    2.13    .095
ENEW
(Model)                58.58    21    2.79    9.17    .000
(Total)                562.40  1678    .34
R-Squared =            .104
Adjusted R-Squared =    .093

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	492.09	1657	.30		
SC4_RECODE	48.41	1	48.41	162.99	.000
GENDER	.03	1	.03	.09	.764
RACENEW	3.50	3	1.17	3.93	.008
HISPANIC	.88	1	.88	2.96	.085
CHS	.95	1	.95	3.21	.073
GANG	2.03	1	2.03	6.85	.009
OFFTYPENEW	7.14	3	2.38	8.01	.000
SC4_RECODE BY GENDER	.00	1	.00	.01	.921
SC4_RECODE BY RACENE	2.90	3	.97	3.25	.021
W					
SC4_RECODE BY HISPAN	.88	1	.88	2.97	.085
IC					
SC4_RECODE BY CHS	.03	1	.03	.10	.749
SC4_RECODE BY GANG	.07	1	.07	.24	.627
SC4_RECODE BY OFFTYP	3.49	3	1.16	3.92	.008
ENEW					
(Model)	70.31	21	3.35	11.27	.000
(Total)	562.40	1678	.34		
R-Squared =	.125				
Adjusted R-Squared =	.114				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	441.17	1657	.27		
SC7_RECODE	96.59	1	96.59	362.80	.000
GENDER	1.98	1	1.98	7.42	.007
RACENEW	6.57	3	2.19	8.23	.000

HISPANIC	.74	1	.74	2.80	.095
CHS	.10	1	.10	.38	.536
GANG	1.06	1	1.06	3.97	.046
OFFTYPENEW	7.13	3	2.38	8.92	.000
SC7_RECODE BY GENDER	.32	1	.32	1.22	.270
SC7_RECODE BY RACENE	2.87	3	.96	3.59	.013
W					
SC7_RECODE BY HISPAN	.38	1	.38	1.44	.230
IC					
SC7_RECODE BY CHS	.40	1	.40	1.50	.221
SC7_RECODE BY GANG	1.01	1	1.01	3.80	.051
SC7_RECODE BY OFFTYP	2.07	3	.69	2.60	.051
ENEW					
(Model)	121.23	21	5.77	21.68	.000
(Total)	562.40	1678	.34		
R-Squared =	.216				
Adjusted R-Squared =	.206				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	507.37	1657	.31		
SC8_RECODE	36.13	1	36.13	118.00	.000
GENDER	.14	1	.14	.45	.503
RACENEW	7.81	3	2.60	8.50	.000
HISPANIC	.93	1	.93	3.04	.082
CHS	.77	1	.77	2.51	.113
GANG	2.10	1	2.10	6.85	.009
OFFTYPENEW	4.84	3	1.61	5.27	.001
SC8_RECODE BY GENDER	.26	1	.26	.86	.355
SC8_RECODE BY RACENE	.34	3	.11	.37	.778
W					
SC8_RECODE BY HISPAN	.54	1	.54	1.75	.186
IC					
SC8_RECODE BY CHS	.10	1	.10	.34	.559
SC8_RECODE BY GANG	.28	1	.28	.91	.339
SC8_RECODE BY OFFTYP	.79	3	.26	.86	.461
ENEW					
(Model)	55.02	21	2.62	8.56	.000
(Total)	562.40	1678	.34		
R-Squared =	.098				
Adjusted R-Squared =	.086				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	477.66	1657	.29		
SC2_RECODE	65.59	1	65.59	227.54	.000
GENDER	1.25	1	1.25	4.32	.038
RACENEW	4.35	3	1.45	5.03	.002
HISPANIC	.56	1	.56	1.94	.163
CHS	.01	1	.01	.04	.837
GANG	2.66	1	2.66	9.22	.002
OFFTYPENEW	4.40	3	1.47	5.08	.002
SC2_RECODE BY GENDER	.06	1	.06	.22	.636
SC2_RECODE BY RACENEW	2.42	3	.81	2.80	.039
W					
SC2_RECODE BY HISPANIC	.45	1	.45	1.57	.210
IC					
SC2_RECODE BY CHS	.91	1	.91	3.14	.077
SC2_RECODE BY GANG	.25	1	.25	.86	.355
SC2_RECODE BY OFFTYPENEW	1.84	3	.61	2.13	.095
(Model)	84.74	21	4.04	14.00	.000
(Total)	562.40	1678	.34		
R-Squared =	.151				
Adjusted R-Squared =	.140				

 Imputation_: 8

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 97 non-empty cells.
 5 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	505.82	1657	.31		
SC1_RECODE	38.87	1	38.87	127.35	.000
GENDER	.00	1	.00	.01	.905
RACENEW	1.50	3	.50	1.64	.178
HISPANIC	1.72	1	1.72	5.63	.018
CHS	.78	1	.78	2.57	.109
GANG	2.17	1	2.17	7.12	.008
OFFTYPENEW	7.90	3	2.63	8.62	.000
SC1_RECODE BY GENDER	.04	1	.04	.12	.733
SC1_RECODE BY RACENEW	1.09	3	.36	1.19	.313
W					
SC1_RECODE BY HISPANIC	1.25	1	1.25	4.10	.043

```

IC
SC1_RECODE BY CHS      .06   1   .06   .18   .669
SC1_RECODE BY GANG     .17   1   .17   .55   .458
SC1_RECODE BY OFFTYP   3.31   3   1.10   3.61   .013
ENEW
(Model)                58.86  21   2.80   9.18   .000
(Total)                564.69 1678   .34
R-Squared =            .104
Adjusted R-Squared =    .093

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	493.59	1657	.30		
SC4_RECODE	47.76	1	47.76	160.33	.000
GENDER	.22	1	.22	.76	.385
RACENEW	2.95	3	.98	3.30	.020
HISPANIC	1.67	1	1.67	5.60	.018
CHS	1.40	1	1.40	4.72	.030
GANG	2.10	1	2.10	7.06	.008
OFFTYPENEW	6.91	3	2.30	7.73	.000
SC4_RECODE BY GENDER	.04	1	.04	.15	.702
SC4_RECODE BY RACENE	2.96	3	.99	3.31	.019
W					
SC4_RECODE BY HISPAN	.99	1	.99	3.33	.068
IC					
SC4_RECODE BY CHS	.19	1	.19	.64	.424
SC4_RECODE BY GANG	.03	1	.03	.11	.742
SC4_RECODE BY OFFTYP	3.87	3	1.29	4.33	.005
ENEW					
(Model)	71.10	21	3.39	11.37	.000
(Total)	564.69	1678	.34		
R-Squared =	.126				
Adjusted R-Squared =	.115				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	442.10	1657	.27		
SC7_RECODE	93.40	1	93.40	350.06	.000
GENDER	2.99	1	2.99	11.21	.001
RACENEW	5.95	3	1.98	7.43	.000

HISPANIC	1.87	1	1.87	7.01	.008
CHS	.01	1	.01	.04	.834
GANG	1.30	1	1.30	4.88	.027
OFFTYPENEW	9.56	3	3.19	11.94	.000
SC7_RECODE BY GENDER	.19	1	.19	.72	.396
SC7_RECODE BY RACENE	2.26	3	.75	2.82	.038
W					
SC7_RECODE BY HISPAN	.27	1	.27	1.01	.314
IC					
SC7_RECODE BY CHS	.19	1	.19	.70	.404
SC7_RECODE BY GANG	1.26	1	1.26	4.74	.030
SC7_RECODE BY OFFTYP	3.33	3	1.11	4.17	.006
ENEW					
(Model)	122.59	21	5.84	21.88	.000
(Total)	564.69	1678	.34		
R-Squared =	.217				
Adjusted R-Squared =	.207				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	506.51	1657	.31		
SC8_RECODE	38.19	1	38.19	124.93	.000
GENDER	.56	1	.56	1.84	.175
RACENEW	7.07	3	2.36	7.71	.000
HISPANIC	1.76	1	1.76	5.76	.016
CHS	1.47	1	1.47	4.81	.029
GANG	2.35	1	2.35	7.69	.006
OFFTYPENEW	4.66	3	1.55	5.08	.002
SC8_RECODE BY GENDER	.23	1	.23	.75	.388
SC8_RECODE BY RACENE	.82	3	.27	.90	.441
W					
SC8_RECODE BY HISPAN	.19	1	.19	.62	.430
IC					
SC8_RECODE BY CHS	.04	1	.04	.12	.730
SC8_RECODE BY GANG	.35	1	.35	1.13	.287
SC8_RECODE BY OFFTYP	.49	3	.16	.53	.661
ENEW					
(Model)	58.17	21	2.77	9.06	.000
(Total)	564.69	1678	.34		
R-Squared =	.103				
Adjusted R-Squared =	.092				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	475.27	1657	.29		
SC2_RECODE	69.28	1	69.28	241.54	.000
GENDER	2.25	1	2.25	7.86	.005
RACENEW	3.72	3	1.24	4.32	.005
HISPANIC	1.13	1	1.13	3.93	.048
CHS	.00	1	.00	.01	.911
GANG	2.96	1	2.96	10.33	.001
OFFTYPENEW	4.03	3	1.34	4.68	.003
SC2_RECODE BY GENDER	.10	1	.10	.35	.554
SC2_RECODE BY RACENEW	2.96	3	.99	3.44	.016
SC2_RECODE BY HISPANIC	.20	1	.20	.69	.406
SC2_RECODE BY CHS	.94	1	.94	3.29	.070
SC2_RECODE BY GANG	.24	1	.24	.84	.359
SC2_RECODE BY OFFTYPENEW	1.60	3	.53	1.86	.134
(Model)	89.41	21	4.26	14.84	.000
(Total)	564.69	1678	.34		
R-Squared =	.158				
Adjusted R-Squared =	.148				

 Imputation_: 9

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 98 non-empty cells.
 5 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	497.64	1657	.30		
SC1_RECODE	40.66	1	40.66	135.38	.000
GENDER	.13	1	.13	.44	.508
RACENEW	1.26	3	.42	1.40	.241
HISPANIC	1.76	1	1.76	5.87	.016
CHS	.23	1	.23	.77	.379
GANG	2.41	1	2.41	8.04	.005
OFFTYPENEW	8.60	3	2.87	9.55	.000
SC1_RECODE BY GENDER	.00	1	.00	.00	.966
SC1_RECODE BY RACENEW	1.66	3	.55	1.84	.138
SC1_RECODE BY HISPANIC	1.05	1	1.05	3.48	.062

```

IC
SC1_RECODE BY CHS      .18    1    .18    .60    .440
SC1_RECODE BY GANG      .12    1    .12    .40    .526
SC1_RECODE BY OFFTYP    1.90    3    .63    2.11    .098
ENEW
(Model)                59.96    21    2.86    9.51    .000
(Total)                557.60  1678    .33
R-Squared =            .108
Adjusted R-Squared =    .096

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	488.26	1657	.29		
SC4_RECODE	49.04	1	49.04	166.41	.000
GENDER	.02	1	.02	.08	.780
RACENEW	2.48	3	.83	2.81	.038
HISPANIC	1.58	1	1.58	5.35	.021
CHS	.79	1	.79	2.68	.102
GANG	2.99	1	2.99	10.16	.001
OFFTYPENEW	6.41	3	2.14	7.25	.000
SC4_RECODE BY GENDER	.00	1	.00	.00	.962
SC4_RECODE BY RACENE	3.35	3	1.12	3.79	.010
W					
SC4_RECODE BY HISPAN	.62	1	.62	2.11	.147
IC					
SC4_RECODE BY CHS	.03	1	.03	.10	.755
SC4_RECODE BY GANG	.24	1	.24	.81	.368
SC4_RECODE BY OFFTYP	1.80	3	.60	2.04	.107
ENEW					
(Model)	69.34	21	3.30	11.21	.000
(Total)	557.60	1678	.33		
R-Squared =	.124				
Adjusted R-Squared =	.113				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	437.75	1657	.26		
SC7_RECODE	96.99	1	96.99	367.12	.000
GENDER	2.25	1	2.25	8.51	.004
RACENEW	5.61	3	1.87	7.08	.000

HISPANIC	1.69	1	1.69	6.41	.011
CHS	.02	1	.02	.09	.759
GANG	1.12	1	1.12	4.24	.040
OFFTYPENEW	5.08	3	1.69	6.41	.000
SC7_RECODE BY GENDER	.37	1	.37	1.38	.240
SC7_RECODE BY RACENE	2.61	3	.87	3.29	.020
W					
SC7_RECODE BY HISPAN	.48	1	.48	1.81	.179
IC					
SC7_RECODE BY CHS	.28	1	.28	1.08	.300
SC7_RECODE BY GANG	1.01	1	1.01	3.81	.051
SC7_RECODE BY OFFTYP	2.35	3	.78	2.96	.031
ENEW					
(Model)	119.85	21	5.71	21.60	.000
(Total)	557.60	1678	.33		
R-Squared =	.215				
Adjusted R-Squared =	.205				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	504.20	1657	.30		
SC8_RECODE	37.82	1	37.82	124.29	.000
GENDER	.20	1	.20	.65	.421
RACENEW	6.31	3	2.10	6.91	.000
HISPANIC	1.88	1	1.88	6.17	.013
CHS	.81	1	.81	2.67	.103
GANG	1.83	1	1.83	6.01	.014
OFFTYPENEW	2.44	3	.81	2.68	.046
SC8_RECODE BY GENDER	.13	1	.13	.42	.517
SC8_RECODE BY RACENE	.75	3	.25	.82	.481
W					
SC8_RECODE BY HISPAN	.25	1	.25	.82	.364
IC					
SC8_RECODE BY CHS	.38	1	.38	1.24	.266
SC8_RECODE BY GANG	.24	1	.24	.77	.380
SC8_RECODE BY OFFTYP	.37	3	.12	.40	.752
ENEW					
(Model)	53.40	21	2.54	8.36	.000
(Total)	557.60	1678	.33		
R-Squared =	.096				
Adjusted R-Squared =	.084				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	471.81	1657	.28		
SC2_RECODE	68.56	1	68.56	240.79	.000
GENDER	1.27	1	1.27	4.46	.035
RACENEW	3.29	3	1.10	3.86	.009
HISPANIC	1.23	1	1.23	4.34	.037
CHS	.04	1	.04	.14	.705
GANG	2.30	1	2.30	8.08	.005
OFFTYPENEW	2.02	3	.67	2.36	.069
SC2_RECODE BY GENDER	.10	1	.10	.35	.553
SC2_RECODE BY RACENEW	2.68	3	.89	3.13	.025
SC2_RECODE BY HISPANIC	.45	1	.45	1.58	.209
SC2_RECODE BY CHS	1.91	1	1.91	6.69	.010
SC2_RECODE BY GANG	.27	1	.27	.96	.327
SC2_RECODE BY OFFTYPENEW	1.66	3	.55	1.95	.120
(Model)	85.79	21	4.09	14.35	.000
(Total)	557.60	1678	.33		
R-Squared =	.154				
Adjusted R-Squared =	.143				

 Imputation_: 10

***** Analysis of Variance -- Design 5 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 98 non-empty cells.
 5 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	507.42	1657	.31		
SC1_RECODE	39.34	1	39.34	128.48	.000
GENDER	.26	1	.26	.84	.359
RACENEW	1.72	3	.57	1.87	.133
HISPANIC	1.47	1	1.47	4.80	.029
CHS	.19	1	.19	.61	.433
GANG	1.65	1	1.65	5.38	.020
OFFTYPENEW	8.65	3	2.88	9.41	.000
SC1_RECODE BY GENDER	.01	1	.01	.02	.890
SC1_RECODE BY RACENEW	1.25	3	.42	1.36	.254
SC1_RECODE BY HISPANIC	.85	1	.85	2.78	.095

```

IC
SC1_RECODE BY CHS      .00    1    .00    .00    .980
SC1_RECODE BY GANG      .22    1    .22    .70    .402
SC1_RECODE BY OFFTYP    1.84    3    .61    2.01    .111
ENEW
(Model)                57.44   21    2.74    8.93    .000
(Total)                564.85 1678    .34
R-Squared =            .102
Adjusted R-Squared =    .090

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	495.17	1657	.30		
SC4_RECODE	50.39	1	50.39	168.64	.000
GENDER	.00	1	.00	.00	.989
RACENEW	2.88	3	.96	3.21	.022
HISPANIC	1.47	1	1.47	4.92	.027
CHS	.68	1	.68	2.26	.133
GANG	1.69	1	1.69	5.64	.018
OFFTYPENEW	6.59	3	2.20	7.35	.000
SC4_RECODE BY GENDER	.01	1	.01	.05	.830
SC4_RECODE BY RACENE	3.45	3	1.15	3.85	.009
W					
SC4_RECODE BY HISPAN	.51	1	.51	1.70	.192
IC					
SC4_RECODE BY CHS	.07	1	.07	.25	.618
SC4_RECODE BY GANG	.00	1	.00	.01	.921
SC4_RECODE BY OFFTYP	1.95	3	.65	2.17	.089
ENEW					
(Model)	69.69	21	3.32	11.10	.000
(Total)	564.85	1678	.34		
R-Squared =	.123				
Adjusted R-Squared =	.112				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	440.57	1657	.27		
SC7_RECODE	100.33	1	100.33	377.35	.000
GENDER	1.81	1	1.81	6.82	.009
RACENEW	5.87	3	1.96	7.36	.000

HISPANIC	1.81	1	1.81	6.79	.009
CHS	.27	1	.27	1.01	.315
GANG	.99	1	.99	3.72	.054
OFFTYPENEW	7.36	3	2.45	9.23	.000
SC7_RECODE BY GENDER	.30	1	.30	1.11	.292
SC7_RECODE BY RACENE	2.76	3	.92	3.47	.016
W					
SC7_RECODE BY HISPAN	.24	1	.24	.89	.346
IC					
SC7_RECODE BY CHS	.03	1	.03	.11	.740
SC7_RECODE BY GANG	.54	1	.54	2.02	.155
SC7_RECODE BY OFFTYP	1.98	3	.66	2.48	.059
ENEW					
(Model)	124.28	21	5.92	22.26	.000
(Total)	564.85	1678	.34		
R-Squared =	.220				
Adjusted R-Squared =	.210				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	508.75	1657	.31		
SC8_RECODE	39.50	1	39.50	128.64	.000
GENDER	.10	1	.10	.31	.576
RACENEW	7.16	3	2.39	7.78	.000
HISPANIC	1.66	1	1.66	5.42	.020
CHS	.56	1	.56	1.84	.176
GANG	1.84	1	1.84	5.99	.015
OFFTYPENEW	3.76	3	1.25	4.08	.007
SC8_RECODE BY GENDER	.25	1	.25	.82	.367
SC8_RECODE BY RACENE	.62	3	.21	.67	.567
W					
SC8_RECODE BY HISPAN	.12	1	.12	.39	.531
IC					
SC8_RECODE BY CHS	.00	1	.00	.01	.932
SC8_RECODE BY GANG	.25	1	.25	.82	.367
SC8_RECODE BY OFFTYP	.28	3	.09	.31	.821
ENEW					
(Model)	56.10	21	2.67	8.70	.000
(Total)	564.85	1678	.34		
R-Squared =	.099				
Adjusted R-Squared =	.088				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC3_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC3_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	471.11	1657	.28		
SC2_RECODE	73.54	1	73.54	258.66	.000
GENDER	1.13	1	1.13	3.98	.046
RACENEW	3.84	3	1.28	4.51	.004
HISPANIC	1.22	1	1.22	4.29	.039
CHS	.26	1	.26	.92	.337
GANG	2.12	1	2.12	7.44	.006
OFFTYPENEW	4.09	3	1.36	4.79	.003
SC2_RECODE BY GENDER	.07	1	.07	.26	.609
SC2_RECODE BY RACENEW	2.94	3	.98	3.44	.016
SC2_RECODE BY HISPANIC	.08	1	.08	.29	.591
SC2_RECODE BY CHS	1.94	1	1.94	6.83	.009
SC2_RECODE BY GANG	.87	1	.87	3.04	.081
SC2_RECODE BY OFFTYPENEW	1.64	3	.55	1.93	.123
(Model)	93.75	21	4.46	15.70	.000
(Total)	564.85	1678	.34		
R-Squared =	.166				
Adjusted R-Squared =	.155				

 Abbreviated Extended
 Name Name
 SC3_Reco SC3_Recode

Appendix S7: Homogeneity of Regression Model 6

SPSS Syntax:

```

MANOVA SC5_Recode BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3) WITH SC1_Recode
SC4_Recode SC7_Recode SC8_Recode SC2_Recode SC3_Recode
  /ANALYSIS=SC5_Recode
  /METHOD=SEQUENTIAL
/DESIGN SC1_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC1_Recode BY
GENDER SC1_Recode BY RACENEW SC1_Recode BY HISPANIC SC1_Recode BY CHS SC1_Recode BY
GANG SC1_Recode BY OFFTYPENEW
/DESIGN SC4_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC4_Recode BY
GENDER SC4_Recode BY RACENEW SC4_Recode BY HISPANIC SC4_Recode BY CHS SC4_Recode BY
GANG SC4_Recode BY OFFTYPENEW
/DESIGN SC7_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC7_Recode BY
GENDER SC7_Recode BY RACENEW SC7_Recode BY HISPANIC SC7_Recode BY CHS SC7_Recode BY
GANG SC7_Recode BY OFFTYPENEW
/DESIGN SC8_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC8_Recode BY
GENDER SC8_Recode BY RACENEW SC8_Recode BY HISPANIC SC8_Recode BY CHS SC8_Recode BY
GANG SC8_Recode BY OFFTYPENEW
/DESIGN SC2_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC2_Recode BY
GENDER SC2_Recode BY RACENEW SC2_Recode BY HISPANIC SC2_Recode BY CHS SC2_Recode BY
GANG SC2_Recode BY OFFTYPENEW
/DESIGN SC3_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC3_Recode BY
GENDER SC3_Recode BY RACENEW SC3_Recode BY HISPANIC SC3_Recode BY CHS SC3_Recode BY
GANG SC3_Recode BY OFFTYPENEW.

```

Imputation_: 1

***** Analysis of Variance--Design 6 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

6 designs will be processed.

***** Analysis of Variance--Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance--Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	565.25	1657	.34		
SC1_RECODE	136.20	1	136.20	399.26	.000
GENDER	.60	1	.60	1.76	.184
RACENEW	1.29	3	.43	1.26	.287
HISPANIC	.15	1	.15	.43	.514
CHS	.01	1	.01	.03	.853
GANG	.20	1	.20	.58	.447
OFFTYPENEW	24.77	3	8.26	24.20	.000

SC1_RECODE BY GENDER	.01	1	.01	.04	.848
SC1_RECODE BY RACENE	7.82	3	2.61	7.65	.000
W					
SC1_RECODE BY HISPAN	2.15	1	2.15	6.31	.012
IC					
SC1_RECODE BY CHS	.32	1	.32	.93	.334
SC1_RECODE BY GANG	.55	1	.55	1.61	.204
SC1_RECODE BY OFFTYP	7.90	3	2.63	7.72	.000
ENEW					
(Model)	181.97	21	8.67	25.40	.000
(Total)	747.21	1678	.45		
R-Squared =	.244				
Adjusted R-Squared =	.234				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	607.20	1657	.37		
SC4_RECODE	97.38	1	97.38	265.75	.000
GENDER	.03	1	.03	.08	.783
RACENEW	5.73	3	1.91	5.21	.001
HISPANIC	.18	1	.18	.49	.484
CHS	1.01	1	1.01	2.75	.097
GANG	.61	1	.61	1.67	.196
OFFTYPENEW	27.59	3	9.20	25.10	.000
SC4_RECODE BY GENDER	.39	1	.39	1.07	.300
SC4_RECODE BY RACENE	3.70	3	1.23	3.36	.018
W					
SC4_RECODE BY HISPAN	.25	1	.25	.67	.414
IC					
SC4_RECODE BY CHS	.36	1	.36	.98	.322
SC4_RECODE BY GANG	.93	1	.93	2.53	.112
SC4_RECODE BY OFFTYP	1.86	3	.62	1.69	.167
ENEW					
(Model)	140.01	21	6.67	18.19	.000
(Total)	747.21	1678	.45		
R-Squared =	.187				
Adjusted R-Squared =	.177				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F

WITHIN+RESIDUAL	657.93	1657	.40		
SC7_RECODE	22.29	1	22.29	56.14	.000
GENDER	.48	1	.48	1.21	.271
RACENEW	11.62	3	3.87	9.76	.000
HISPANIC	.31	1	.31	.78	.378
CHS	1.74	1	1.74	4.38	.036
GANG	1.50	1	1.50	3.77	.052
OFFTYPENEW	45.18	3	15.06	37.93	.000
SC7_RECODE BY GENDER	1.53	1	1.53	3.86	.050
SC7_RECODE BY RACENE	1.49	3	.50	1.25	.291
W					
SC7_RECODE BY HISPAN	.66	1	.66	1.66	.198
IC					
SC7_RECODE BY CHS	.02	1	.02	.05	.825
SC7_RECODE BY GANG	.58	1	.58	1.45	.229
SC7_RECODE BY OFFTYP	1.90	3	.63	1.59	.190
ENEW					
(Model)	89.28	21	4.25	10.71	.000
(Total)	747.21	1678	.45		
R-Squared =	.119				
Adjusted R-Squared =	.108				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	672.60	1657	.41		
SC8_RECODE	8.97	1	8.97	22.11	.000
GENDER	.02	1	.02	.05	.820
RACENEW	12.45	3	4.15	10.23	.000
HISPANIC	.35	1	.35	.86	.354
CHS	3.43	1	3.43	8.44	.004
GANG	1.82	1	1.82	4.48	.035
OFFTYPENEW	38.33	3	12.78	31.48	.000
SC8_RECODE BY GENDER	1.15	1	1.15	2.84	.092
SC8_RECODE BY RACENE	3.55	3	1.18	2.92	.033
W					
SC8_RECODE BY HISPAN	.09	1	.09	.22	.641
IC					
SC8_RECODE BY CHS	.60	1	.60	1.49	.223
SC8_RECODE BY GANG	.05	1	.05	.11	.739
SC8_RECODE BY OFFTYP	3.80	3	1.27	3.12	.025
ENEW					
(Model)	74.61	21	3.55	8.75	.000
(Total)	747.21	1678	.45		
R-Squared =	.100				
Adjusted R-Squared =	.088				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance-- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	631.62	1657	.38		
SC2_RECODE	55.38	1	55.38	145.28	.000
GENDER	.96	1	.96	2.53	.112
RACENEW	8.36	3	2.79	7.31	.000
HISPANIC	.09	1	.09	.24	.626
CHS	.26	1	.26	.69	.406
GANG	1.87	1	1.87	4.89	.027
OFFTYPENEW	41.38	3	13.79	36.19	.000
SC2_RECODE BY GENDER	.03	1	.03	.07	.788
SC2_RECODE BY RACENE	1.33	3	.44	1.16	.323
W					
SC2_RECODE BY HISPAN	3.17	1	3.17	8.31	.004
IC					
SC2_RECODE BY CHS	.05	1	.05	.14	.705
SC2_RECODE BY GANG	.06	1	.06	.15	.697
SC2_RECODE BY OFFTYP	2.66	3	.89	2.32	.073
ENEW					
(Model)	115.59	21	5.50	14.44	.000
(Total)	747.21	1678	.45		
R-Squared =	.155				
Adjusted R-Squared =	.144				

***** Analysis of Variance-- Design 6 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance-- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	641.81	1657	.39		
SC3_RECODE	43.27	1	43.27	111.71	.000
GENDER	.00	1	.00	.00	.954
RACENEW	7.83	3	2.61	6.74	.000
HISPANIC	.05	1	.05	.13	.714
CHS	2.71	1	2.71	7.00	.008
GANG	1.14	1	1.14	2.95	.086
OFFTYPENEW	40.57	3	13.52	34.91	.000
SC3_RECODE BY GENDER	.79	1	.79	2.05	.153
SC3_RECODE BY RACENE	1.00	3	.33	.86	.459
W					
SC3_RECODE BY HISPAN	.26	1	.26	.67	.413
IC					
SC3_RECODE BY CHS	.61	1	.61	1.57	.210
SC3_RECODE BY GANG	.19	1	.19	.49	.486
SC3_RECODE BY OFFTYP	6.98	3	2.33	6.01	.000

ENEW
 (Model) 105.40 21 5.02 12.96 .000
 (Total) 747.21 1678 .45
 R-Squared = .141
 Adjusted R-Squared = .130

 Imputation_: 2

***** Analysis of Variance-- Design 6 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 102 non-empty cells.
 6 designs will be processed.

 ***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	567.94	1657	.34		
SC1_RECODE	137.90	1	137.90	402.32	.000
GENDER	.64	1	.64	1.87	.172
RACENEW	1.39	3	.46	1.36	.254
HISPANIC	.18	1	.18	.52	.472
CHS	.10	1	.10	.28	.596
GANG	.13	1	.13	.39	.532
OFFTYPENEW	17.57	3	5.86	17.09	.000
SC1_RECODE BY GENDER	.05	1	.05	.14	.710
SC1_RECODE BY RACENE	8.47	3	2.82	8.24	.000
W					
SC1_RECODE BY HISPAN	2.15	1	2.15	6.27	.012
IC					
SC1_RECODE BY CHS	.06	1	.06	.17	.685
SC1_RECODE BY GANG	.08	1	.08	.23	.630
SC1_RECODE BY OFFTYP	8.40	3	2.80	8.17	.000

ENEW
 (Model) 177.12 21 8.43 24.61 .000
 (Total) 745.06 1678 .44
 R-Squared = .238
 Adjusted R-Squared = .228

 ***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F

WITHIN+RESIDUAL	607.61	1657	.37		
SC4_RECODE	101.45	1	101.45	276.67	.000
GENDER	.00	1	.00	.00	.981
RACENEW	6.47	3	2.16	5.88	.001
HISPANIC	.44	1	.44	1.19	.275
CHS	.58	1	.58	1.59	.208
GANG	.00	1	.00	.00	.977
OFFTYPENEW	20.82	3	6.94	18.93	.000
SC4_RECODE BY GENDER	.25	1	.25	.69	.406
SC4_RECODE BY RACENE	3.69	3	1.23	3.36	.018
W					
SC4_RECODE BY HISPAN	.03	1	.03	.07	.793
IC					
SC4_RECODE BY CHS	.14	1	.14	.39	.534
SC4_RECODE BY GANG	1.00	1	1.00	2.72	.099
SC4_RECODE BY OFFTYP	2.58	3	.86	2.35	.071
ENEW					
(Model)	137.45	21	6.55	17.85	.000
(Total)	745.06	1678	.44		
R-Squared =	.184				
Adjusted R-Squared =	.174				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	666.67	1657	.40		
SC7_RECODE	20.09	1	20.09	49.93	.000
GENDER	.37	1	.37	.91	.340
RACENEW	12.21	3	4.07	10.12	.000
HISPANIC	.53	1	.53	1.31	.253
CHS	1.31	1	1.31	3.25	.072
GANG	.00	1	.00	.00	.997
OFFTYPENEW	37.22	3	12.41	30.84	.000
SC7_RECODE BY GENDER	1.47	1	1.47	3.66	.056
SC7_RECODE BY RACENE	1.15	3	.38	.95	.415
W					
SC7_RECODE BY HISPAN	.95	1	.95	2.37	.124
IC					
SC7_RECODE BY CHS	.21	1	.21	.53	.468
SC7_RECODE BY GANG	.39	1	.39	.98	.323
SC7_RECODE BY OFFTYP	2.49	3	.83	2.06	.104
ENEW					
(Model)	78.39	21	3.73	9.28	.000
(Total)	745.06	1678	.44		
R-Squared =	.105				
Adjusted R-Squared =	.094				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	680.13	1657	.41		
SC8_RECODE	8.76	1	8.76	21.35	.000
GENDER	.01	1	.01	.03	.869
RACENEW	13.09	3	4.36	10.63	.000
HISPANIC	.60	1	.60	1.46	.227
CHS	2.55	1	2.55	6.21	.013
GANG	.02	1	.02	.04	.841
OFFTYPENEW	30.48	3	10.16	24.76	.000
SC8_RECODE BY GENDER	1.31	1	1.31	3.19	.074
SC8_RECODE BY RACENEW	3.28	3	1.09	2.66	.047
W					
SC8_RECODE BY HISPANIC	.10	1	.10	.23	.629
IC					
SC8_RECODE BY CHS	.88	1	.88	2.14	.144
SC8_RECODE BY GANG	.04	1	.04	.10	.752
SC8_RECODE BY OFFTYPENEW	3.82	3	1.27	3.10	.026
Model	64.93	21	3.09	7.53	.000
(Total)	745.06	1678	.44		
R-Squared =	.087				
Adjusted R-Squared =	.076				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	638.67	1657	.39		
SC2_RECODE	53.14	1	53.14	137.88	.000
GENDER	.94	1	.94	2.45	.118
RACENEW	8.83	3	2.94	7.64	.000
HISPANIC	.22	1	.22	.57	.451
CHS	.17	1	.17	.45	.502
GANG	.00	1	.00	.00	.999
OFFTYPENEW	34.33	3	11.44	29.69	.000
SC2_RECODE BY GENDER	.16	1	.16	.41	.520
SC2_RECODE BY RACENEW	.88	3	.29	.76	.514
W					
SC2_RECODE BY HISPANIC	2.93	1	2.93	7.60	.006
IC					
SC2_RECODE BY CHS	.05	1	.05	.13	.720
SC2_RECODE BY GANG	.23	1	.23	.60	.438
SC2_RECODE BY OFFTYPENEW	4.50	3	1.50	3.89	.009

```

ENEW
(Model)      106.39   21   5.07  13.14   .000
(Total)      745.06 1678   .44
R-Squared =   .143
Adjusted R-Squared = .132

```

***** Analysis of Variance-- Design 6 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance-- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	651.45	1657	.39		
SC3_RECODE	39.81	1	39.81	101.27	.000
GENDER	.01	1	.01	.02	.877
RACENEW	8.17	3	2.72	6.93	.000
HISPANIC	.30	1	.30	.77	.380
CHS	1.97	1	1.97	5.01	.025
GANG	.03	1	.03	.08	.775
OFFTYPENEW	34.00	3	11.33	28.83	.000
SC3_RECODE BY GENDER	1.01	1	1.01	2.56	.110
SC3_RECODE BY RACENE	.46	3	.15	.39	.758
W					
SC3_RECODE BY HISPAN	.50	1	.50	1.27	.260
IC					
SC3_RECODE BY CHS	.18	1	.18	.46	.500
SC3_RECODE BY GANG	.29	1	.29	.73	.392
SC3_RECODE BY OFFTYP	6.87	3	2.29	5.82	.001
ENEW					
(Model)	93.61	21	4.46	11.34	.000
(Total)	745.06	1678	.44		
R-Squared =	.126				
Adjusted R-Squared =	.115				

Imputation_: 3

***** Analysis of Variance-- Design 6 *****

```

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
99 non-empty cells.
6 designs will be processed.

```

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F

WITHIN+RESIDUAL	562.89	1657	.34
SC1_RECODE	139.21	1	139.21 409.79 .000
GENDER	.70	1	.70 2.07 .151
RACENEW	1.69	3	.56 1.66 .173
HISPANIC	.93	1	.93 2.72 .099
CHS	.04	1	.04 .11 .742
GANG	.37	1	.37 1.09 .297
OFFTYPENEW	23.14	3	7.71 22.71 .000
SC1_RECODE BY GENDER	.27	1	.27 .79 .375
SC1_RECODE BY RACENE	8.08	3	2.69 7.93 .000
W			
SC1_RECODE BY HISPAN	2.01	1	2.01 5.92 .015
IC			
SC1_RECODE BY CHS	.13	1	.13 .38 .537
SC1_RECODE BY GANG	.24	1	.24 .72 .397
SC1_RECODE BY OFFTYP	7.03	3	2.34 6.89 .000
ENEW			
(Model)	183.84	21	8.75 25.77 .000
(Total)	746.73	1678	.45
R-Squared =	.246		
Adjusted R-Squared =	.237		

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	604.57	1657	.36		
SC4_RECODE	97.68	1	97.68	267.71	.000
GENDER	.02	1	.02	.07	.797
RACENEW	6.50	3	2.17	5.94	.001
HISPANIC	1.14	1	1.14	3.12	.077
CHS	1.80	1	1.80	4.92	.027
GANG	.05	1	.05	.14	.704
OFFTYPENEW	27.34	3	9.11	24.98	.000
SC4_RECODE BY GENDER	.26	1	.26	.70	.403
SC4_RECODE BY RACENE	3.59	3	1.20	3.28	.020
W					
SC4_RECODE BY HISPAN	.21	1	.21	.58	.446
IC					
SC4_RECODE BY CHS	.08	1	.08	.22	.638
SC4_RECODE BY GANG	.75	1	.75	2.06	.151
SC4_RECODE BY OFFTYP	2.74	3	.91	2.51	.057
ENEW					
(Model)	142.16	21	6.77	18.55	.000
(Total)	746.73	1678	.45		
R-Squared =	.190				
Adjusted R-Squared =	.180				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	658.38	1657	.40		
SC7_RECODE	20.19	1	20.19	50.81	.000
GENDER	.35	1	.35	.87	.351
RACENEW	12.97	3	4.32	10.88	.000
HISPANIC	1.67	1	1.67	4.21	.040
CHS	2.20	1	2.20	5.55	.019
GANG	.03	1	.03	.08	.784
OFFTYPENEW	44.23	3	14.74	37.11	.000
SC7_RECODE BY GENDER	.99	1	.99	2.48	.115
SC7_RECODE BY RACENEW	1.12	3	.37	.94	.419
W					
SC7_RECODE BY HISPANIC	1.01	1	1.01	2.54	.111
IC					
SC7_RECODE BY CHS	.17	1	.17	.44	.507
SC7_RECODE BY GANG	.75	1	.75	1.89	.169
SC7_RECODE BY OFFTYPENEW	2.66	3	.89	2.24	.082
ENEW					
(Model)	88.35	21	4.21	10.59	.000
(Total)	746.73	1678	.45		
R-Squared =	.118				
Adjusted R-Squared =	.107				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	672.55	1657	.41		
SC8_RECODE	7.79	1	7.79	19.19	.000
GENDER	.02	1	.02	.04	.838
RACENEW	13.87	3	4.62	11.39	.000
HISPANIC	1.79	1	1.79	4.41	.036
CHS	3.88	1	3.88	9.57	.002
GANG	.00	1	.00	.01	.935
OFFTYPENEW	37.97	3	12.66	31.18	.000
SC8_RECODE BY GENDER	.64	1	.64	1.57	.211
SC8_RECODE BY RACENEW	3.21	3	1.07	2.64	.048
W					
SC8_RECODE BY HISPANIC	.05	1	.05	.12	.724
IC					
SC8_RECODE BY CHS	.54	1	.54	1.32	.250
SC8_RECODE BY GANG	.13	1	.13	.33	.566
SC8_RECODE BY OFFTYPENEW	4.29	3	1.43	3.52	.015

```

ENEW
(Model)          74.18   21   3.53   8.70   .000
(Total)          746.73 1678   .45
R-Squared =      .099
Adjusted R-Squared = .088

```

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	632.89	1657	.38		
SC2_RECODE	53.40	1	53.40	139.80	.000
GENDER	.81	1	.81	2.11	.146
RACENEW	10.29	3	3.43	8.98	.000
HISPANIC	.99	1	.99	2.58	.108
CHS	.67	1	.67	1.76	.185
GANG	.02	1	.02	.05	.818
OFFTYPENEW	40.57	3	13.52	35.41	.000
SC2_RECODE BY GENDER	.01	1	.01	.04	.851
SC2_RECODE BY RACENE	.99	3	.33	.87	.458
W					
SC2_RECODE BY HISPAN	1.91	1	1.91	5.01	.025
IC					
SC2_RECODE BY CHS	.02	1	.02	.05	.826
SC2_RECODE BY GANG	.60	1	.60	1.57	.211
SC2_RECODE BY OFFTYP	3.57	3	1.19	3.11	.025
ENEW					
(Model)	113.85	21	5.42	14.19	.000
(Total)	746.73	1678	.45		
R-Squared =	.152				
Adjusted R-Squared =	.142				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	643.12	1657	.39		
SC3_RECODE	39.58	1	39.58	101.97	.000
GENDER	.01	1	.01	.03	.860
RACENEW	8.75	3	2.92	7.51	.000
HISPANIC	1.03	1	1.03	2.66	.103
CHS	3.49	1	3.49	9.00	.003
GANG	.15	1	.15	.38	.536
OFFTYPENEW	40.47	3	13.49	34.76	.000

```

SC3_RECODE BY GENDER      1.62    1    1.62    4.16    .041
SC3_RECODE BY RACENE      .18     3     .06     .15     .928
W
SC3_RECODE BY HISPAN      .36     1     .36     .92     .338
IC
SC3_RECODE BY CHS         .19     1     .19     .48     .487
SC3_RECODE BY GANG        .20     1     .20     .51     .473
SC3_RECODE BY OFFTYP      7.60     3     2.53     6.53     .000
ENEW
(Model)                   103.62   21     4.93   12.71     .000
(Total)                   746.73  1678    .45
R-Squared =               .139
Adjusted R-Squared =     .128

```

Imputation_: 4

***** Analysis of Variance--Design 6 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 101 non-empty cells.
 6 designs will be processed.

***** Analysis of Variance--Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance--Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	560.28	1657	.34		
SC1_RECODE	141.45	1	141.45	418.35	.000
GENDER	.71	1	.71	2.11	.146
RACENEW	1.34	3	.45	1.32	.265
HISPANIC	.41	1	.41	1.21	.271
CHS	.00	1	.00	.01	.917
GANG	.00	1	.00	.00	.964
OFFTYPENEW	25.19	3	8.40	24.84	.000
SC1_RECODE BY GENDER	.08	1	.08	.25	.618
SC1_RECODE BY RACENE	8.45	3	2.82	8.33	.000
W					
SC1_RECODE BY HISPAN	2.11	1	2.11	6.24	.013
IC					
SC1_RECODE BY CHS	.01	1	.01	.03	.862
SC1_RECODE BY GANG	.69	1	.69	2.04	.153
SC1_RECODE BY OFFTYP	8.19	3	2.73	8.08	.000
ENEW					
(Model)	188.66	21	8.98	26.57	.000
(Total)	748.93	1678	.45		
R-Squared =	.252				
Adjusted R-Squared =	.242				

***** Analysis of Variance--Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	607.76	1657	.37		
SC4_RECODE	97.80	1	97.80	266.64	.000
GENDER	.01	1	.01	.04	.844
RACENEW	6.35	3	2.12	5.77	.001
HISPANIC	.51	1	.51	1.38	.240
CHS	1.74	1	1.74	4.76	.029
GANG	.10	1	.10	.28	.598
OFFTYPENEW	28.43	3	9.48	25.84	.000
SC4_RECODE BY GENDER	.37	1	.37	1.01	.314
SC4_RECODE BY RACENEW	3.36	3	1.12	3.05	.027
W					
SC4_RECODE BY HISPANIC	.11	1	.11	.29	.591
IC					
SC4_RECODE BY CHS	.25	1	.25	.69	.408
SC4_RECODE BY GANG	.76	1	.76	2.07	.150
SC4_RECODE BY OFFTYPENEW	1.37	3	.46	1.25	.291
Model	141.17	21	6.72	18.33	.000
(Total)	748.93	1678	.45		
R-Squared =	.188				
Adjusted R-Squared =	.178				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	656.55	1657	.40		
SC7_RECODE	22.24	1	22.24	56.13	.000
GENDER	.43	1	.43	1.10	.295
RACENEW	12.31	3	4.10	10.36	.000
HISPANIC	.75	1	.75	1.90	.168
CHS	1.84	1	1.84	4.64	.031
GANG	.14	1	.14	.34	.558
OFFTYPENEW	47.59	3	15.86	40.03	.000
SC7_RECODE BY GENDER	1.25	1	1.25	3.16	.075
SC7_RECODE BY RACENEW	1.76	3	.59	1.48	.219
W					
SC7_RECODE BY HISPANIC	.83	1	.83	2.08	.149
IC					
SC7_RECODE BY CHS	.18	1	.18	.46	.499
SC7_RECODE BY GANG	.89	1	.89	2.26	.133
SC7_RECODE BY OFFTYPENEW	2.17	3	.72	1.82	.141

```

ENEW
(Model)          92.38   21   4.40  11.10   .000
(Total)         748.93 1678   .45
R-Squared =      .123
Adjusted R-Squared = .112

```

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	669.65	1657	.40		
SC8_RECODE	9.05	1	9.05	22.40	.000
GENDER	.02	1	.02	.05	.816
RACENEW	12.99	3	4.33	10.71	.000
HISPANIC	.77	1	.77	1.90	.168
CHS	3.44	1	3.44	8.52	.004
GANG	.22	1	.22	.54	.461
OFFTYPENEW	40.50	3	13.50	33.40	.000
SC8_RECODE BY GENDER	1.32	1	1.32	3.27	.071
SC8_RECODE BY RACENE	3.43	3	1.14	2.83	.037
W					
SC8_RECODE BY HISPAN	.06	1	.06	.14	.706
IC					
SC8_RECODE BY CHS	3.06	1	3.06	7.58	.006
SC8_RECODE BY GANG	.39	1	.39	.97	.324
SC8_RECODE BY OFFTYP	4.02	3	1.34	3.32	.019
ENEW					
(Model)	79.28	21	3.78	9.34	.000
(Total)	748.93	1678	.45		
R-Squared =	.106				
Adjusted R-Squared =	.095				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	634.03	1657	.38		
SC2_RECODE	53.56	1	53.56	139.98	.000
GENDER	.63	1	.63	1.64	.201
RACENEW	9.33	3	3.11	8.13	.000
HISPANIC	.39	1	.39	1.02	.312
CHS	.38	1	.38	1.01	.316
GANG	.20	1	.20	.53	.465
OFFTYPENEW	42.14	3	14.05	36.71	.000

SC2_RECODE BY GENDER	.01	1	.01	.03	.873
SC2_RECODE BY RACENE	1.24	3	.41	1.08	.356
W					
SC2_RECODE BY HISPAN	2.50	1	2.50	6.53	.011
IC					
SC2_RECODE BY CHS	.03	1	.03	.07	.792
SC2_RECODE BY GANG	.66	1	.66	1.72	.190
SC2_RECODE BY OFFTYP	3.83	3	1.28	3.33	.019
ENEW					
(Model)	114.90	21	5.47	14.30	.000
(Total)	748.93	1678	.45		
R-Squared =	.153				
Adjusted R-Squared =	.143				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	642.21	1657	.39		
SC3_RECODE	41.22	1	41.22	106.35	.000
GENDER	.01	1	.01	.02	.895
RACENEW	8.78	3	2.93	7.55	.000
HISPANIC	.35	1	.35	.89	.345
CHS	3.55	1	3.55	9.16	.003
GANG	.02	1	.02	.06	.804
OFFTYPENEW	43.38	3	14.46	37.31	.000
SC3_RECODE BY GENDER	.78	1	.78	2.01	.156
SC3_RECODE BY RACENE	.74	3	.25	.64	.590
W					
SC3_RECODE BY HISPAN	.13	1	.13	.33	.568
IC					
SC3_RECODE BY CHS	.44	1	.44	1.14	.286
SC3_RECODE BY GANG	.03	1	.03	.08	.773
SC3_RECODE BY OFFTYP	7.29	3	2.43	6.27	.000
ENEW					
(Model)	106.72	21	5.08	13.11	.000
(Total)	748.93	1678	.45		
R-Squared =	.142				
Adjusted R-Squared =	.132				

Imputation_: 5

***** Analysis of Variance -- Design 6 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

92 non-empty cells.

6 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	564.50	1657	.34		
SC1_RECODE	136.22	1	136.22	399.86	.000
GENDER	.81	1	.81	2.36	.124
RACENEW	1.60	3	.53	1.57	.195
HISPANIC	.31	1	.31	.91	.340
CHS	.03	1	.03	.10	.757
GANG	.00	1	.00	.01	.906
OFFTYPENEW	23.29	3	7.76	22.79	.000
SC1_RECODE BY GENDER	.08	1	.08	.22	.637
SC1_RECODE BY RACENEW	8.63	3	2.88	8.45	.000
W					
SC1_RECODE BY HISPANIC	2.06	1	2.06	6.04	.014
IC					
SC1_RECODE BY CHS	.01	1	.01	.02	.891
SC1_RECODE BY GANG	.42	1	.42	1.22	.269
SC1_RECODE BY OFFTYPENEW	6.25	3	2.08	6.12	.000
ENEW					
(Model)	179.71	21	8.56	25.12	.000
(Total)	744.21	1678	.44		
R-Squared =	.241				
Adjusted R-Squared =	.232				

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	606.20	1657	.37		
SC4_RECODE	99.42	1	99.42	271.75	.000
GENDER	.01	1	.01	.01	.906
RACENEW	6.58	3	2.19	6.00	.000
HISPANIC	.27	1	.27	.74	.391
CHS	1.45	1	1.45	3.96	.047
GANG	.05	1	.05	.14	.707
OFFTYPENEW	23.09	3	7.70	21.04	.000
SC4_RECODE BY GENDER	.14	1	.14	.38	.539
SC4_RECODE BY RACENEW	3.59	3	1.20	3.27	.021
W					
SC4_RECODE BY HISPANIC	.06	1	.06	.15	.698
IC					
SC4_RECODE BY CHS	.36	1	.36	.99	.319
SC4_RECODE BY GANG	1.76	1	1.76	4.80	.029
SC4_RECODE BY OFFTYPENEW	1.25	3	.42	1.14	.334

```

ENEW
(Model)      138.01   21   6.57  17.96   .000
(Total)      744.21  1678   .44
R-Squared =   .185
Adjusted R-Squared = .175

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	659.23	1657	.40		
SC7_RECDE	20.65	1	20.65	51.91	.000
GENDER	.34	1	.34	.86	.355
RACENEW	12.27	3	4.09	10.28	.000
HISPANIC	.50	1	.50	1.25	.264
CHS	1.79	1	1.79	4.50	.034
GANG	.46	1	.46	1.15	.284
OFFTYPENEW	42.96	3	14.32	35.99	.000
SC7_RECDE BY GENDER	2.13	1	2.13	5.36	.021
SC7_RECDE BY RACENE	1.12	3	.37	.94	.422
W					
SC7_RECDE BY HISPAN	.15	1	.15	.37	.543
IC					
SC7_RECDE BY CHS	.29	1	.29	.73	.394
SC7_RECDE BY GANG	.72	1	.72	1.81	.179
SC7_RECDE BY OFFTYP	1.60	3	.53	1.34	.258
ENEW					
(Model)	84.98	21	4.05	10.17	.000
(Total)	744.21	1678	.44		
R-Squared =	.114				
Adjusted R-Squared =	.103				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	672.01	1657	.41		
SC8_RECDE	8.04	1	8.04	19.82	.000
GENDER	.00	1	.00	.01	.935
RACENEW	12.98	3	4.33	10.67	.000
HISPANIC	.52	1	.52	1.28	.257
CHS	3.64	1	3.64	8.97	.003
GANG	.69	1	.69	1.69	.194
OFFTYPENEW	35.20	3	11.73	28.93	.000

SC8_RECODE BY GENDER	1.38	1	1.38	3.40	.066
SC8_RECODE BY RACENE	3.94	3	1.31	3.23	.022
W					
SC8_RECODE BY HISPAN	.02	1	.02	.04	.835
IC					
SC8_RECODE BY CHS	1.37	1	1.37	3.38	.066
SC8_RECODE BY GANG	.20	1	.20	.50	.481
SC8_RECODE BY OFFTYP	4.25	3	1.42	3.49	.015
ENEW					
(Model)	72.21	21	3.44	8.48	.000
(Total)	744.21	1678	.44		
R-Squared =	.097				
Adjusted R-Squared =	.086				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	640.15	1657	.39		
SC2_RECODE	49.74	1	49.74	128.74	.000
GENDER	.63	1	.63	1.63	.202
RACENEW	9.31	3	3.10	8.03	.000
HISPANIC	.24	1	.24	.63	.429
CHS	.46	1	.46	1.18	.277
GANG	.64	1	.64	1.66	.198
OFFTYPENEW	36.94	3	12.31	31.87	.000
SC2_RECODE BY GENDER	.13	1	.13	.34	.562
SC2_RECODE BY RACENE	1.08	3	.36	.93	.423
W					
SC2_RECODE BY HISPAN	2.25	1	2.25	5.83	.016
IC					
SC2_RECODE BY CHS	.08	1	.08	.20	.652
SC2_RECODE BY GANG	.00	1	.00	.00	.986
SC2_RECODE BY OFFTYP	2.57	3	.86	2.22	.085
ENEW					
(Model)	104.06	21	4.96	12.83	.000
(Total)	744.21	1678	.44		
R-Squared =	.140				
Adjusted R-Squared =	.129				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F

WITHIN+RESIDUAL	641.24	1657	.39		
SC3_RECODE	39.80	1	39.80	102.85	.000
GENDER	.00	1	.00	.01	.933
RACENEW	8.53	3	2.84	7.35	.000
HISPANIC	.31	1	.31	.81	.367
CHS	2.80	1	2.80	7.25	.007
GANG	.33	1	.33	.85	.357
OFFTYPENEW	39.82	3	13.27	34.30	.000
SC3_RECODE BY GENDER	1.55	1	1.55	3.99	.046
SC3_RECODE BY RACENE	.78	3	.26	.67	.571
W					
SC3_RECODE BY HISPAN	.10	1	.10	.27	.604
IC					
SC3_RECODE BY CHS	1.26	1	1.26	3.25	.072
SC3_RECODE BY GANG	.11	1	.11	.28	.596
SC3_RECODE BY OFFTYP	7.58	3	2.53	6.53	.000
ENEW					
(Model)	102.97	21	4.90	12.67	.000
(Total)	744.21	1678	.44		
R-Squared =	.138				
Adjusted R-Squared =	.127				

Imputation_: 6

***** Analysis of Variance -- Design 6 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
102 non-empty cells.
6 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	563.91	1657	.34		
SC1_RECODE	135.51	1	135.51	398.19	.000
GENDER	.87	1	.87	2.55	.110
RACENEW	1.75	3	.58	1.71	.162
HISPANIC	.49	1	.49	1.44	.231
CHS	.12	1	.12	.37	.545
GANG	.16	1	.16	.48	.490
OFFTYPENEW	23.95	3	7.98	23.45	.000
SC1_RECODE BY GENDER	.06	1	.06	.19	.664
SC1_RECODE BY RACENE	8.00	3	2.67	7.83	.000
W					
SC1_RECODE BY HISPAN	2.07	1	2.07	6.08	.014
IC					
SC1_RECODE BY CHS	.11	1	.11	.31	.577
SC1_RECODE BY GANG	.47	1	.47	1.38	.240
SC1_RECODE BY OFFTYP	8.93	3	2.98	8.74	.000

```

ENEW
(Model)          182.49   21   8.69  25.53   .000
(Total)          746.40 1678   .44
R-Squared =      .244
Adjusted R-Squared = .235

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	607.54	1657	.37		
SC4_RECODE	98.58	1	98.58	268.86	.000
GENDER	.00	1	.00	.00	.986
RACENEW	6.78	3	2.26	6.17	.000
HISPANIC	.35	1	.35	.95	.330
CHS	2.18	1	2.18	5.93	.015
GANG	.00	1	.00	.00	.966
OFFTYPENEW	24.24	3	8.08	22.03	.000
SC4_RECODE BY GENDER	.08	1	.08	.21	.645
SC4_RECODE BY RACENE	3.75	3	1.25	3.41	.017
W					
SC4_RECODE BY HISPAN	.13	1	.13	.34	.558
IC					
SC4_RECODE BY CHS	.16	1	.16	.45	.503
SC4_RECODE BY GANG	.87	1	.87	2.38	.123
SC4_RECODE BY OFFTYP	1.75	3	.58	1.59	.189
ENEW					
(Model)	138.86	21	6.61	18.03	.000
(Total)	746.40	1678	.44		
R-Squared =	.186				
Adjusted R-Squared =	.176				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	658.95	1657	.40		
SC7_RECODE	20.85	1	20.85	52.43	.000
GENDER	.27	1	.27	.69	.408
RACENEW	12.95	3	4.32	10.86	.000
HISPANIC	.78	1	.78	1.96	.162
CHS	2.53	1	2.53	6.36	.012
GANG	.00	1	.00	.01	.930
OFFTYPENEW	42.63	3	14.21	35.73	.000

SC7_RECODE BY GENDER	1.74	1	1.74	4.37	.037
SC7_RECODE BY RACENE	1.32	3	.44	1.11	.344
W					
SC7_RECODE BY HISPAN	.86	1	.86	2.17	.141
IC					
SC7_RECODE BY CHS	.02	1	.02	.04	.839
SC7_RECODE BY GANG	.87	1	.87	2.18	.140
SC7_RECODE BY OFFTYP	2.62	3	.87	2.19	.087
ENEW					
(Model)	87.45	21	4.16	10.47	.000
(Total)	746.40	1678	.44		
R-Squared =	.117				
Adjusted R-Squared =	.106				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	672.37	1657	.41		
SC8_RECODE	9.30	1	9.30	22.92	.000
GENDER	.01	1	.01	.01	.911
RACENEW	13.75	3	4.58	11.30	.000
HISPANIC	.73	1	.73	1.80	.180
CHS	4.47	1	4.47	11.02	.001
GANG	.02	1	.02	.06	.814
OFFTYPENEW	36.31	3	12.10	29.83	.000
SC8_RECODE BY GENDER	1.23	1	1.23	3.02	.082
SC8_RECODE BY RACENE	4.14	3	1.38	3.40	.017
W					
SC8_RECODE BY HISPAN	.00	1	.00	.01	.925
IC					
SC8_RECODE BY CHS	.66	1	.66	1.62	.204
SC8_RECODE BY GANG	.48	1	.48	1.18	.278
SC8_RECODE BY OFFTYP	2.93	3	.98	2.41	.066
ENEW					
(Model)	74.03	21	3.53	8.69	.000
(Total)	746.40	1678	.44		
R-Squared =	.099				
Adjusted R-Squared =	.088				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	634.76	1657	.38		
SC2_RECODE	53.63	1	53.63	140.01	.000
GENDER	.63	1	.63	1.66	.198
RACENEW	9.48	3	3.16	8.25	.000
HISPANIC	.49	1	.49	1.28	.259
CHS	.68	1	.68	1.78	.183
GANG	.01	1	.01	.02	.882
OFFTYPENEW	40.05	3	13.35	34.85	.000
SC2_RECODE BY GENDER	.05	1	.05	.13	.721
SC2_RECODE BY RACENE	1.22	3	.41	1.06	.364
W					
SC2_RECODE BY HISPAN	1.38	1	1.38	3.60	.058
IC					
SC2_RECODE BY CHS	.09	1	.09	.23	.631
SC2_RECODE BY GANG	.26	1	.26	.68	.411
SC2_RECODE BY OFFTYP	3.66	3	1.22	3.19	.023
ENEW					
(Model)	111.64	21	5.32	13.88	.000
(Total)	746.40	1678	.44		
R-Squared =	.150				
Adjusted R-Squared =	.139				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	645.55	1657	.39		
SC3_RECODE	39.44	1	39.44	101.25	.000
GENDER	.04	1	.04	.09	.762
RACENEW	8.91	3	2.97	7.63	.000
HISPANIC	.37	1	.37	.94	.332
CHS	3.76	1	3.76	9.64	.002
GANG	.01	1	.01	.03	.869
OFFTYPENEW	38.22	3	12.74	32.70	.000
SC3_RECODE BY GENDER	1.55	1	1.55	3.99	.046
SC3_RECODE BY RACENE	.18	3	.06	.15	.928
W					
SC3_RECODE BY HISPAN	.47	1	.47	1.20	.274
IC					
SC3_RECODE BY CHS	.14	1	.14	.35	.554
SC3_RECODE BY GANG	.11	1	.11	.29	.587
SC3_RECODE BY OFFTYP	7.64	3	2.55	6.54	.000
ENEW					
(Model)	100.84	21	4.80	12.33	.000
(Total)	746.40	1678	.44		
R-Squared =	.135				
Adjusted R-Squared =	.124				

Imputation_: 7

***** Analysis of Variance -- Design 6 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 96 non-empty cells.
 6 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	558.07	1657	.34		
SC1_RECODE	139.03	1	139.03	412.82	.000
GENDER	1.15	1	1.15	3.42	.065
RACENEW	1.55	3	.52	1.53	.204
HISPANIC	.15	1	.15	.46	.499
CHS	.04	1	.04	.11	.741
GANG	.17	1	.17	.50	.478
OFFTYPENEW	21.08	3	7.03	20.86	.000
SC1_RECODE BY GENDER	.05	1	.05	.14	.713
SC1_RECODE BY RACENEW	7.90	3	2.63	7.81	.000
SC1_RECODE BY HISPANIC	3.04	1	3.04	9.02	.003
SC1_RECODE BY CHS	.02	1	.02	.07	.793
SC1_RECODE BY GANG	.85	1	.85	2.53	.112
SC1_RECODE BY OFFTYPENEW	8.40	3	2.80	8.31	.000
(Model)	183.43	21	8.73	25.93	.000
(Total)	741.49	1678	.44		
R-Squared =	.247				
Adjusted R-Squared =	.238				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC5_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	599.35	1657	.36		
SC4_RECODE	98.12	1	98.12	271.27	.000
GENDER	.01	1	.01	.01	.903
RACENEW	6.68	3	2.23	6.16	.000
HISPANIC	.18	1	.18	.51	.477
CHS	1.56	1	1.56	4.32	.038
GANG	.51	1	.51	1.41	.235

OFFTYPENEW	26.00	3	8.67	23.96	.000
SC4_RECODE BY GENDER	.42	1	.42	1.16	.282
SC4_RECODE BY RACENE	4.07	3	1.36	3.75	.011
W					
SC4_RECODE BY HISPAN	.16	1	.16	.45	.501
IC					
SC4_RECODE BY CHS	.37	1	.37	1.02	.312
SC4_RECODE BY GANG	2.41	1	2.41	6.66	.010
SC4_RECODE BY OFFTYP	1.65	3	.55	1.52	.208
ENEW					
(Model)	142.14	21	6.77	18.71	.000
(Total)	741.49	1678	.44		
R-Squared =	.192				
Adjusted R-Squared =	.181				

***** Analysis of Variance-- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	653.47	1657	.39		
SC7_RECODE	21.07	1	21.07	53.42	.000
GENDER	.12	1	.12	.31	.577
RACENEW	12.66	3	4.22	10.70	.000
HISPANIC	.36	1	.36	.91	.341
CHS	2.03	1	2.03	5.14	.024
GANG	1.34	1	1.34	3.39	.066
OFFTYPENEW	43.55	3	14.52	36.81	.000
SC7_RECODE BY GENDER	1.62	1	1.62	4.10	.043
SC7_RECODE BY RACENE	1.42	3	.47	1.20	.309
W					
SC7_RECODE BY HISPAN	.99	1	.99	2.51	.113
IC					
SC7_RECODE BY CHS	.22	1	.22	.57	.452
SC7_RECODE BY GANG	.69	1	.69	1.76	.185
SC7_RECODE BY OFFTYP	1.96	3	.65	1.66	.175
ENEW					
(Model)	88.02	21	4.19	10.63	.000
(Total)	741.49	1678	.44		
R-Squared =	.119				
Adjusted R-Squared =	.108				

***** Analysis of Variance-- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	665.30	1657	.40		
SC8_RECODE	8.60	1	8.60	21.42	.000
GENDER	.02	1	.02	.04	.846
RACENEW	13.40	3	4.47	11.13	.000
HISPANIC	.41	1	.41	1.02	.313
CHS	3.72	1	3.72	9.27	.002
GANG	1.74	1	1.74	4.32	.038
OFFTYPENEW	37.10	3	12.37	30.80	.000
SC8_RECODE BY GENDER	1.48	1	1.48	3.69	.055
SC8_RECODE BY RACENEW	3.91	3	1.30	3.25	.021
SC8_RECODE BY HISPANIC	.16	1	.16	.41	.522
SC8_RECODE BY CHS	1.46	1	1.46	3.62	.057
SC8_RECODE BY GANG	.09	1	.09	.23	.632
SC8_RECODE BY OFFTYPENEW	4.11	3	1.37	3.41	.017
(Model)	76.20	21	3.63	9.04	.000
(Total)	741.49	1678	.44		
R-Squared =	.103				
Adjusted R-Squared =	.091				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	627.55	1657	.38		
SC2_RECODE	53.14	1	53.14	140.31	.000
GENDER	.49	1	.49	1.28	.257
RACENEW	9.67	3	3.22	8.52	.000
HISPANIC	.14	1	.14	.37	.542
CHS	.52	1	.52	1.38	.240
GANG	1.53	1	1.53	4.04	.045
OFFTYPENEW	40.83	3	13.61	35.94	.000
SC2_RECODE BY GENDER	.14	1	.14	.38	.537
SC2_RECODE BY RACENEW	1.23	3	.41	1.08	.356
SC2_RECODE BY HISPANIC	2.68	1	2.68	7.09	.008
SC2_RECODE BY CHS	.06	1	.06	.15	.695
SC2_RECODE BY GANG	.02	1	.02	.05	.820
SC2_RECODE BY OFFTYPENEW	3.48	3	1.16	3.06	.027
(Model)	113.94	21	5.43	14.33	.000
(Total)	741.49	1678	.44		
R-Squared =	.154				
Adjusted R-Squared =	.143				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	638.56	1657	.39		
SC3_RECODE	39.63	1	39.63	102.84	.000
GENDER	.09	1	.09	.24	.626
RACENEW	8.59	3	2.86	7.43	.000
HISPANIC	.19	1	.19	.50	.478
CHS	3.63	1	3.63	9.42	.002
GANG	1.18	1	1.18	3.05	.081
OFFTYPENEW	40.72	3	13.57	35.22	.000
SC3_RECODE BY GENDER	1.69	1	1.69	4.38	.037
SC3_RECODE BY RACENEW	.26	3	.09	.23	.878
W					
SC3_RECODE BY HISPANIC	.30	1	.30	.78	.378
IC					
SC3_RECODE BY CHS	.20	1	.20	.51	.474
SC3_RECODE BY GANG	.20	1	.20	.51	.477
SC3_RECODE BY OFFTYPENEW	6.27	3	2.09	5.42	.001
ENEW					
(Model)	102.94	21	4.90	12.72	.000
(Total)	741.49	1678	.44		
R-Squared =	.139				
Adjusted R-Squared =	.128				

Imputation_: 8

***** Analysis of Variance -- Design 6 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

97 non-empty cells.

6 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	563.61	1657	.34		
SC1_RECODE	136.40	1	136.40	401.03	.000
GENDER	.78	1	.78	2.29	.131
RACENEW	1.44	3	.48	1.41	.237
HISPANIC	.21	1	.21	.61	.434
CHS	.00	1	.00	.01	.939

GANG	.30	1	.30	.88	.348
OFFTYPENEW	24.06	3	8.02	23.58	.000
SC1_RECODE BY GENDER	.16	1	.16	.46	.496
SC1_RECODE BY RACENE	8.15	3	2.72	7.99	.000
W					
SC1_RECODE BY HISPAN	2.40	1	2.40	7.07	.008
IC					
SC1_RECODE BY CHS	.00	1	.00	.01	.926
SC1_RECODE BY GANG	.89	1	.89	2.62	.106
SC1_RECODE BY OFFTYP	7.29	3	2.43	7.14	.000
ENEW					
(Model)	182.09	21	8.67	25.49	.000
(Total)	745.70	1678	.44		
R-Squared =	.244				
Adjusted R-Squared =	.235				

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	608.66	1657	.37		
SC4_RECODE	96.67	1	96.67	263.16	.000
GENDER	.01	1	.01	.02	.885
RACENEW	6.55	3	2.18	5.95	.000
HISPANIC	.24	1	.24	.65	.422
CHS	.98	1	.98	2.66	.103
GANG	.71	1	.71	1.94	.164
OFFTYPENEW	23.92	3	7.97	21.70	.000
SC4_RECODE BY GENDER	.53	1	.53	1.45	.228
SC4_RECODE BY RACENE	3.74	3	1.25	3.39	.017
W					
SC4_RECODE BY HISPAN	.01	1	.01	.02	.885
IC					
SC4_RECODE BY CHS	.12	1	.12	.32	.570
SC4_RECODE BY GANG	1.87	1	1.87	5.08	.024
SC4_RECODE BY OFFTYP	1.71	3	.57	1.55	.200
ENEW					
(Model)	137.04	21	6.53	17.77	.000
(Total)	745.70	1678	.44		
R-Squared =	.184				
Adjusted R-Squared =	.173				

***** Analysis of Variance-- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	660.17	1657	.40		
SC7_RECODE	20.44	1	20.44	51.29	.000
GENDER	.34	1	.34	.84	.359
RACENEW	12.37	3	4.12	10.35	.000
HISPANIC	.43	1	.43	1.08	.299
CHS	1.81	1	1.81	4.54	.033
GANG	1.79	1	1.79	4.49	.034
OFFTYPENEW	42.08	3	14.03	35.21	.000
SC7_RECODE BY GENDER	1.12	1	1.12	2.82	.093
SC7_RECODE BY RACENEW	1.38	3	.46	1.15	.326
W					
SC7_RECODE BY HISPANIC	.85	1	.85	2.14	.144
IC					
SC7_RECODE BY CHS	.01	1	.01	.01	.905
SC7_RECODE BY GANG	.21	1	.21	.53	.469
SC7_RECODE BY OFFTYPENEW	2.70	3	.90	2.26	.080
ENEW					
(Model)	85.53	21	4.07	10.22	.000
(Total)	745.70	1678	.44		
R-Squared =	.115				
Adjusted R-Squared =	.103				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	671.75	1657	.41		
SC8_RECODE	9.62	1	9.62	23.72	.000
GENDER	.02	1	.02	.05	.831
RACENEW	13.13	3	4.38	10.79	.000
HISPANIC	.40	1	.40	.99	.321
CHS	3.26	1	3.26	8.03	.005
GANG	2.20	1	2.20	5.43	.020
OFFTYPENEW	35.50	3	11.83	29.19	.000
SC8_RECODE BY GENDER	1.73	1	1.73	4.27	.039
SC8_RECODE BY RACENEW	3.67	3	1.22	3.01	.029
W					
SC8_RECODE BY HISPANIC	.05	1	.05	.12	.726
IC					
SC8_RECODE BY CHS	.51	1	.51	1.25	.264
SC8_RECODE BY GANG	.00	1	.00	.01	.919
SC8_RECODE BY OFFTYPENEW	3.88	3	1.29	3.19	.023
ENEW					
(Model)	73.95	21	3.52	8.69	.000
(Total)	745.70	1678	.44		
R-Squared =	.099				
Adjusted R-Squared =	.088				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	632.92	1657	.38		
SC2_RECODE	54.42	1	54.42	142.47	.000
GENDER	.89	1	.89	2.32	.128
RACENEW	9.07	3	3.02	7.92	.000
HISPANIC	.13	1	.13	.35	.555
CHS	.26	1	.26	.67	.413
GANG	2.08	1	2.08	5.44	.020
OFFTYPENEW	37.36	3	12.45	32.60	.000
SC2_RECODE BY GENDER	.22	1	.22	.57	.449
SC2_RECODE BY RACENEW	1.33	3	.44	1.16	.323
W					
SC2_RECODE BY HISPANIC	3.61	1	3.61	9.45	.002
IC					
SC2_RECODE BY CHS	.03	1	.03	.07	.792
SC2_RECODE BY GANG	.32	1	.32	.83	.362
SC2_RECODE BY OFFTYPENEW	3.07	3	1.02	2.68	.045
ENEW					
(Model)	112.78	21	5.37	14.06	.000
(Total)	745.70	1678	.44		
R-Squared =	.151				
Adjusted R-Squared =	.140				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	646.90	1657	.39		
SC3_RECODE	39.55	1	39.55	101.31	.000
GENDER	.02	1	.02	.06	.810
RACENEW	8.71	3	2.90	7.44	.000
HISPANIC	.10	1	.10	.27	.605
CHS	2.90	1	2.90	7.44	.006
GANG	1.52	1	1.52	3.89	.049
OFFTYPENEW	37.53	3	12.51	32.05	.000
SC3_RECODE BY GENDER	1.36	1	1.36	3.48	.062
SC3_RECODE BY RACENEW	.75	3	.25	.64	.590
W					
SC3_RECODE BY HISPANIC	.09	1	.09	.24	.626
IC					
SC3_RECODE BY CHS	.25	1	.25	.63	.428

```

SC3_RECODE BY GANG      .09   1   .09   .22   .637
SC3_RECODE BY OFFTYP    5.93   3   1.98   5.06   .002
ENEW
(Model)          98.80   21   4.70   12.05   .000
(Total)         745.70  1678   .44
R-Squared =      .132
Adjusted R-Squared = .122

```

Imputation_: 9

***** Analysis of Variance -- Design 6 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 98 non-empty cells.
 6 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	557.77	1657	.34		
SC1_RECODE	140.73	1	140.73	418.08	.000
GENDER	.96	1	.96	2.86	.091
RACENEW	1.85	3	.62	1.83	.140
HISPANIC	.83	1	.83	2.47	.116
CHS	.06	1	.06	.16	.685
GANG	.01	1	.01	.02	.895
OFFTYPENEW	24.34	3	8.11	24.11	.000
SC1_RECODE BY GENDER	.17	1	.17	.51	.477
SC1_RECODE BY RACENEW	8.71	3	2.90	8.63	.000
W					
SC1_RECODE BY HISPANIC	3.21	1	3.21	9.53	.002
IC					
SC1_RECODE BY CHS	.02	1	.02	.05	.831
SC1_RECODE BY GANG	.14	1	.14	.42	.515
SC1_RECODE BY OFFTYPENEW	6.44	3	2.15	6.38	.000
ENEW					
(Model)	187.47	21	8.93	26.52	.000
(Total)	745.23	1678	.44		
R-Squared =	.252				
Adjusted R-Squared =	.242				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	597.05	1657	.36		
SC4_RECODE	101.19	1	101.19	280.84	.000
GENDER	.00	1	.00	.01	.925
RACENEW	6.89	3	2.30	6.37	.000
HISPANIC	.70	1	.70	1.94	.164
CHS	1.91	1	1.91	5.30	.021
GANG	.12	1	.12	.34	.558
OFFTYPENEW	29.00	3	9.67	26.83	.000
SC4_RECODE BY GENDER	.14	1	.14	.38	.537
SC4_RECODE BY RACENEW	4.14	3	1.38	3.83	.009
W					
SC4_RECODE BY HISPANIC	.29	1	.29	.80	.371
IC					
SC4_RECODE BY CHS	.52	1	.52	1.45	.228
SC4_RECODE BY GANG	.39	1	.39	1.09	.296
SC4_RECODE BY OFFTYPENEW	2.88	3	.96	2.66	.047
(Model)	148.18	21	7.06	19.58	.000
(Total)	745.23	1678	.44		
R-Squared =	.199				
Adjusted R-Squared =	.189				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	652.48	1657	.39		
SC7_RECODE	21.11	1	21.11	53.60	.000
GENDER	.24	1	.24	.62	.432
RACENEW	12.98	3	4.33	10.98	.000
HISPANIC	.98	1	.98	2.48	.116
CHS	2.95	1	2.95	7.50	.006
GANG	.06	1	.06	.15	.696
OFFTYPENEW	48.45	3	16.15	41.01	.000
SC7_RECODE BY GENDER	1.50	1	1.50	3.81	.051
SC7_RECODE BY RACENEW	1.39	3	.46	1.18	.317
W					
SC7_RECODE BY HISPANIC	.31	1	.31	.80	.371
IC					
SC7_RECODE BY CHS	.17	1	.17	.44	.508
SC7_RECODE BY GANG	.78	1	.78	1.97	.160
SC7_RECODE BY OFFTYPENEW	1.83	3	.61	1.55	.200
ENEW					
(Model)	92.75	21	4.42	11.22	.000
(Total)	745.23	1678	.44		
R-Squared =	.124				
Adjusted R-Squared =	.113				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	666.64	1657	.40		
SC8_RECODE	8.74	1	8.74	21.74	.000
GENDER	.00	1	.00	.00	.990
RACENEW	13.41	3	4.47	11.11	.000
HISPANIC	1.04	1	1.04	2.58	.108
CHS	4.72	1	4.72	11.74	.001
GANG	.13	1	.13	.32	.570
OFFTYPENEW	40.57	3	13.52	33.61	.000
SC8_RECODE BY GENDER	1.20	1	1.20	2.98	.085
SC8_RECODE BY RACENEW	3.32	3	1.11	2.75	.041
W					
SC8_RECODE BY HISPANIC	.04	1	.04	.09	.766
IC					
SC8_RECODE BY CHS	2.30	1	2.30	5.72	.017
SC8_RECODE BY GANG	.23	1	.23	.57	.452
SC8_RECODE BY OFFTYPENEW	2.89	3	.96	2.40	.066
ENEW					
(Model)	78.60	21	3.74	9.30	.000
(Total)	745.23	1678	.44		
R-Squared =	.105				
Adjusted R-Squared =	.094				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	625.36	1657	.38		
SC2_RECODE	55.85	1	55.85	147.99	.000
GENDER	.61	1	.61	1.61	.204
RACENEW	9.41	3	3.14	8.31	.000
HISPANIC	.61	1	.61	1.63	.203
CHS	.80	1	.80	2.12	.145
GANG	.08	1	.08	.20	.655
OFFTYPENEW	43.68	3	14.56	38.58	.000
SC2_RECODE BY GENDER	.25	1	.25	.66	.415
SC2_RECODE BY RACENEW	1.44	3	.48	1.27	.283
W					
SC2_RECODE BY HISPANIC	3.45	1	3.45	9.14	.003
IC					
SC2_RECODE BY CHS	.16	1	.16	.44	.509

```

SC2_RECODE BY GANG      .71    1    .71    1.88    .170
SC2_RECODE BY OFFTYP    2.81    3    .94    2.49    .059
ENEW
(Model)          119.87    21    5.71    15.13    .000
(Total)          745.23   1678    .44
R-Squared =      .161
Adjusted R-Squared = .150

```

***** Analysis of Variance-- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	635.88	1657	.38		
SC3_RECODE	41.95	1	41.95	109.31	.000
GENDER	.04	1	.04	.09	.759
RACENEW	9.06	3	3.02	7.87	.000
HISPANIC	.44	1	.44	1.15	.283
CHS	4.45	1	4.45	11.60	.001
GANG	.02	1	.02	.04	.839
OFFTYPENEW	44.08	3	14.69	38.29	.000
SC3_RECODE BY GENDER	1.74	1	1.74	4.54	.033
SC3_RECODE BY RACENE	.61	3	.20	.53	.661
W					
SC3_RECODE BY HISPAN	.04	1	.04	.11	.742
IC					
SC3_RECODE BY CHS	.34	1	.34	.88	.348
SC3_RECODE BY GANG	.00	1	.00	.00	.980
SC3_RECODE BY OFFTYP	6.58	3	2.19	5.72	.001
ENEW					
(Model)	109.35	21	5.21	13.57	.000
(Total)	745.23	1678	.44		
R-Squared =	.147				
Adjusted R-Squared =	.136				

Imputation_: 10

***** Analysis of Variance-- Design 6 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

98 non-empty cells.

6 designs will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	565.79	1657	.34		
SC1_RECODE	139.37	1	139.37	408.17	.000
GENDER	1.09	1	1.09	3.21	.074
RACENEW	1.97	3	.66	1.93	.123
HISPANIC	.69	1	.69	2.03	.155
CHS	.06	1	.06	.18	.667
GANG	.35	1	.35	1.01	.314
OFFTYPENEW	22.22	3	7.41	21.69	.000
SC1_RECODE BY GENDER	.09	1	.09	.25	.616
SC1_RECODE BY RACENEW	8.43	3	2.81	8.23	.000
W					
SC1_RECODE BY HISPANIC	2.12	1	2.12	6.20	.013
IC					
SC1_RECODE BY CHS	.02	1	.02	.04	.833
SC1_RECODE BY GANG	.57	1	.57	1.68	.195
SC1_RECODE BY OFFTYPENEW	9.02	3	3.01	8.80	.000
ENEW					
(Model)	186.01	21	8.86	25.94	.000
(Total)	751.80	1678	.45		
R-Squared =	.247				
Adjusted R-Squared =	.238				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	609.30	1657	.37		
SC4_RECODE	96.77	1	96.77	263.17	.000
GENDER	.01	1	.01	.04	.851
RACENEW	7.22	3	2.41	6.54	.000
HISPANIC	.83	1	.83	2.24	.134
CHS	1.87	1	1.87	5.10	.024
GANG	.89	1	.89	2.41	.121
OFFTYPENEW	26.03	3	8.68	23.60	.000
SC4_RECODE BY GENDER	.07	1	.07	.19	.667
SC4_RECODE BY RACENEW	3.86	3	1.29	3.50	.015
W					
SC4_RECODE BY HISPANIC	.66	1	.66	1.80	.180
IC					
SC4_RECODE BY CHS	.18	1	.18	.49	.486
SC4_RECODE BY GANG	1.01	1	1.01	2.74	.098
SC4_RECODE BY OFFTYPENEW	3.11	3	1.04	2.82	.038
ENEW					
(Model)	142.50	21	6.79	18.45	.000
(Total)	751.80	1678	.45		
R-Squared =	.190				
Adjusted R-Squared =	.179				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	662.64	1657	.40		
SC7_RECODE	21.71	1	21.71	54.28	.000
GENDER	.19	1	.19	.48	.490
RACENEW	13.33	3	4.44	11.11	.000
HISPANIC	1.22	1	1.22	3.05	.081
CHS	2.00	1	2.00	5.00	.025
GANG	1.87	1	1.87	4.68	.031
OFFTYPENEW	41.80	3	13.93	34.85	.000
SC7_RECODE BY GENDER	1.60	1	1.60	3.99	.046
SC7_RECODE BY RACENEW	1.35	3	.45	1.12	.338
W					
SC7_RECODE BY HISPANIC	1.51	1	1.51	3.77	.052
IC					
SC7_RECODE BY CHS	.06	1	.06	.14	.705
SC7_RECODE BY GANG	1.01	1	1.01	2.53	.112
SC7_RECODE BY OFFTYPENEW	1.52	3	.51	1.27	.284
ENEW					
(Model)	89.17	21	4.25	10.62	.000
(Total)	751.80	1678	.45		
R-Squared =	.119				
Adjusted R-Squared =	.107				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC5_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	677.08	1657	.41		
SC8_RECODE	7.91	1	7.91	19.37	.000
GENDER	.00	1	.00	.01	.937
RACENEW	14.17	3	4.72	11.56	.000
HISPANIC	1.17	1	1.17	2.85	.091
CHS	3.92	1	3.92	9.60	.002
GANG	2.32	1	2.32	5.69	.017
OFFTYPENEW	35.90	3	11.97	29.29	.000
SC8_RECODE BY GENDER	1.16	1	1.16	2.85	.092
SC8_RECODE BY RACENEW	2.73	3	.91	2.23	.083
W					
SC8_RECODE BY HISPANIC	.11	1	.11	.28	.599
IC					
SC8_RECODE BY CHS	.60	1	.60	1.47	.225

```

SC8_RECODE BY GANG      .57    1    .57    1.40    .238
SC8_RECODE BY OFFTYP    4.14    3    1.38    3.38    .018
ENEW
(Model)          74.72    21    3.56    8.71    .000
(Total)         751.80  1678    .45
R-Squared =      .099
Adjusted R-Squared = .088

```

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      635.72  1657    .38
SC2_RECODE           53.40    1   53.40  139.18    .000
GENDER                .55    1    .55    1.44    .230
RACENEW              10.44    3    3.48    9.07    .000
HISPANIC              .81    1    .81    2.10    .147
CHS                   .43    1    .43    1.12    .290
GANG                  1.97    1    1.97    5.12    .024
OFFTYPENEW           38.01    3   12.67   33.02    .000
SC2_RECODE BY GENDER   .08    1    .08    .21    .650
SC2_RECODE BY RACENEW  1.43    3    .48    1.24    .293
W
SC2_RECODE BY HISPAN   3.40    1    3.40    8.87    .003
IC
SC2_RECODE BY CHS     .00    1    .00    .00    .967
SC2_RECODE BY GANG    .20    1    .20    .53    .466
SC2_RECODE BY OFFTYP  5.36    3    1.79    4.65    .003
ENEW
(Model)          116.08    21    5.53   14.41    .000
(Total)         751.80  1678    .45
R-Squared =      .154
Adjusted R-Squared = .144

```

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

```

Variates  Covariates
SC5_Reco
1 Dependent Variable
0 Covariates

```

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC5_Recode using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      646.98  1657    .39
SC3_RECODE           39.90    1   39.90  102.19    .000
GENDER                .04    1    .04    .10    .747
RACENEW              9.56    3    3.19    8.16    .000
HISPANIC              .59    1    .59    1.51    .219
CHS                   3.75    1    3.75    9.60    .002

```

GANG	1.64	1	1.64	4.21	.040	
OFFTYPENEW	39.06	3	13.02	33.35	.000	
SC3_RECODE BY GENDER	1.57	1	1.57	4.01	.045	
SC3_RECODE BY RACENE	.59	3	.20	.50	.681	
W						
SC3_RECODE BY HISPAN	.27	1	.27	.68	.409	
IC						
SC3_RECODE BY CHS	.83	1	.83	2.14	.144	
SC3_RECODE BY GANG	.18	1	.18	.46	.497	
SC3_RECODE BY OFFTYP	6.85	3	2.28	5.85	.001	
ENEW						
(Model)	104.83	21	4.99	12.78	.000	
(Total)	751.80	1678	.45			
R-Squared =	.139					
Adjusted R-Squared =	.129					

Appendix S8: Homogeneity of Regression Model 7

SPSS Syntax:

```

MANOVA SC6_Recode_2 BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3) WITH SC1_Recode
SC4_Recode SC7_Recode SC8_Recode SC2_Recode SC3_Recode SC5_Recode
/ANALYSIS=SC6_Recode_2
/METHOD=SEQUENTIAL
/DESIGN SC1_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC1_Recode BY
GENDER SC1_Recode BY RACENEW SC1_Recode BY HISPANIC SC1_Recode BY CHS SC1_Recode BY
GANG SC1_Recode BY OFFTYPENEW
/DESIGN SC4_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC4_Recode BY
GENDER SC4_Recode BY RACENEW SC4_Recode BY HISPANIC SC4_Recode BY CHS SC4_Recode BY
GANG SC4_Recode BY OFFTYPENEW
/DESIGN SC7_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC7_Recode BY
GENDER SC7_Recode BY RACENEW SC7_Recode BY HISPANIC SC7_Recode BY CHS SC7_Recode BY
GANG SC7_Recode BY OFFTYPENEW
/DESIGN SC8_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC8_Recode BY
GENDER SC8_Recode BY RACENEW SC8_Recode BY HISPANIC SC8_Recode BY CHS SC8_Recode BY
GANG SC8_Recode BY OFFTYPENEW
/DESIGN SC2_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC2_Recode BY
GENDER SC2_Recode BY RACENEW SC2_Recode BY HISPANIC SC2_Recode BY CHS SC2_Recode BY
GANG SC2_Recode BY OFFTYPENEW
/DESIGN SC3_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC3_Recode BY
GENDER SC3_Recode BY RACENEW SC3_Recode BY HISPANIC SC3_Recode BY CHS SC3_Recode BY
GANG SC3_Recode BY OFFTYPENEW
/DESIGN SC5_Recode GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW SC5_Recode BY
GENDER SC5_Recode BY RACENEW SC5_Recode BY HISPANIC SC5_Recode BY CHS SC5_Recode BY
GANG SC5_Recode BY OFFTYPENEW.

```

Imputation_: 1

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

95 non-empty cells.

7 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.22	1657	.07		
SC1_RECODE	.00	1	.00	.01	.935
GENDER	.26	1	.26	3.91	.048
RACENEW	.57	3	.19	2.89	.035
HISPANIC	.09	1	.09	1.33	.249

CHS	.14	1	.14	2.20	.138
GANG	.05	1	.05	.81	.368
OFFTYPENEW	.83	3	.28	4.21	.006
SC1_RECODE BY GENDER	.16	1	.16	2.53	.112
SC1_RECODE BY RACENE	.06	3	.02	.30	.827
W					
SC1_RECODE BY HISPAN	.07	1	.07	1.02	.312
IC					
SC1_RECODE BY CHS	.04	1	.04	.56	.454
SC1_RECODE BY GANG	.00	1	.00	.00	.956
SC1_RECODE BY OFFTYP	.47	3	.16	2.39	.067
ENEW					
(Model)	2.73	21	.13	1.99	.005
(Total)	110.95	1678	.07		
R-Squared =	.025				
Adjusted R-Squared =	.012				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.53	1657	.07		
SC4_RECODE	.00	1	.00	.02	.888
GENDER	.26	1	.26	3.91	.048
RACENEW	.56	3	.19	2.86	.036
HISPANIC	.09	1	.09	1.32	.250
CHS	.15	1	.15	2.27	.132
GANG	.05	1	.05	.81	.369
OFFTYPENEW	.81	3	.27	4.13	.006
SC4_RECODE BY GENDER	.11	1	.11	1.75	.186
SC4_RECODE BY RACENE	.23	3	.08	1.16	.324
W					
SC4_RECODE BY HISPAN	.02	1	.02	.29	.589
IC					
SC4_RECODE BY CHS	.08	1	.08	1.15	.285
SC4_RECODE BY GANG	.03	1	.03	.52	.469
SC4_RECODE BY OFFTYP	.02	3	.01	.12	.948
ENEW					
(Model)	2.41	21	.11	1.75	.018
(Total)	110.95	1678	.07		
R-Squared =	.022				
Adjusted R-Squared =	.009				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.43	1657	.07		
SC7_RECDE	.23	1	.23	3.47	.063
GENDER	.19	1	.19	2.96	.086
RACENEW	.54	3	.18	2.77	.040
HISPANIC	.08	1	.08	1.24	.266
CHS	.23	1	.23	3.55	.060
GANG	.03	1	.03	.47	.492
OFFTYPENEW	.71	3	.24	3.62	.013
SC7_RECDE BY GENDER	.00	1	.00	.04	.842
SC7_RECDE BY RACENEW	.16	3	.05	.83	.476
W					
SC7_RECDE BY HISPANIC	.02	1	.02	.31	.577
IC					
SC7_RECDE BY CHS	.17	1	.17	2.60	.107
SC7_RECDE BY GANG	.10	1	.10	1.55	.213
SC7_RECDE BY OFFTYPENEW	.04	3	.01	.22	.879
(Model)	2.52	21	.12	1.84	.012
(Total)	110.95	1678	.07		
R-Squared =	.023				
Adjusted R-Squared =	.010				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates
 SC6_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.15	1657	.07		
SC8_RECDE	.03	1	.03	.51	.476
GENDER	.27	1	.27	4.08	.044
RACENEW	.54	3	.18	2.74	.042
HISPANIC	.09	1	.09	1.32	.250
CHS	.15	1	.15	2.23	.136
GANG	.06	1	.06	.86	.354
OFFTYPENEW	.81	3	.27	4.15	.006
SC8_RECDE BY GENDER	.01	1	.01	.10	.756
SC8_RECDE BY RACENEW	.37	3	.12	1.87	.133
W					
SC8_RECDE BY HISPANIC	.09	1	.09	1.31	.253
IC					
SC8_RECDE BY CHS	.05	1	.05	.81	.369
SC8_RECDE BY GANG	.09	1	.09	1.32	.250
SC8_RECDE BY OFFTYPENEW	.27	3	.09	1.36	.253
ENEW					
(Model)	2.80	21	.13	2.04	.004
(Total)	110.95	1678	.07		
R-Squared =	.025				
Adjusted R-Squared =	.013				

 ***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.37	1657	.07		
SC2_RECODE	.00	1	.00	.01	.924
GENDER	.26	1	.26	3.93	.048
RACENEW	.55	3	.18	2.82	.038
HISPANIC	.09	1	.09	1.34	.247
CHS	.15	1	.15	2.26	.133
GANG	.05	1	.05	.75	.386
OFFTYPENEW	.82	3	.27	4.16	.006
SC2_RECODE BY GENDER	.00	1	.00	.00	.996
SC2_RECODE BY RACENE	.09	3	.03	.47	.704
W					
SC2_RECODE BY HISPAN	.00	1	.00	.00	.971
IC					
SC2_RECODE BY CHS	.39	1	.39	5.97	.015
SC2_RECODE BY GANG	.12	1	.12	1.81	.178
SC2_RECODE BY OFFTYP	.07	3	.02	.35	.792
ENEW					
(Model)	2.58	21	.12	1.88	.009
(Total)	110.95	1678	.07		
R-Squared =	.023				
Adjusted R-Squared =	.011				

 ***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.27	1657	.07		
SC3_RECODE	.07	1	.07	1.09	.296
GENDER	.25	1	.25	3.90	.049
RACENEW	.60	3	.20	3.04	.028
HISPANIC	.10	1	.10	1.51	.219
CHS	.14	1	.14	2.09	.149
GANG	.06	1	.06	.98	.322
OFFTYPENEW	.79	3	.26	4.05	.007
SC3_RECODE BY GENDER	.22	1	.22	3.42	.065
SC3_RECODE BY RACENE	.11	3	.04	.57	.635
W					
SC3_RECODE BY HISPAN	.01	1	.01	.14	.709
IC					


```

SC3_RECODE BY CHS      .01    1    .01    .13    .718
SC3_RECODE BY GANG      .07    1    .07    1.04    .309
SC3_RECODE BY OFFTYP    .25    3    .08    1.26    .287
ENEW
(Model)                2.68    21    .13    1.95    .006
(Total)                110.95  1678    .07
R-Squared =            .024
Adjusted R-Squared =    .012

```

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.28	1657	.07		
SC5_RECODE	.01	1	.01	.23	.634
GENDER	.26	1	.26	3.91	.048
RACENEW	.53	3	.18	2.72	.043
HISPANIC	.08	1	.08	1.29	.256
CHS	.16	1	.16	2.48	.115
GANG	.05	1	.05	.72	.395
OFFTYPENEW	.83	3	.28	4.21	.006
SC5_RECODE BY GENDER	.05	1	.05	.71	.401
SC5_RECODE BY RACENE	.09	3	.03	.48	.697
W					
SC5_RECODE BY HISPAN	.11	1	.11	1.66	.198
IC					
SC5_RECODE BY CHS	.05	1	.05	.69	.405
SC5_RECODE BY GANG	.00	1	.00	.00	.952
SC5_RECODE BY OFFTYP	.45	3	.15	2.31	.075
ENEW					
(Model)	2.67	21	.13	1.95	.006
(Total)	110.95	1678	.07		
R-Squared =	.024				
Adjusted R-Squared =	.012				

Imputation_: 2

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

102 non-empty cells.

7 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.18	1657	.07		
SC1_RECODE	.00	1	.00	.05	.825
GENDER	.14	1	.14	2.07	.150
RACENEW	.54	3	.18	2.74	.042
HISPANIC	.00	1	.00	.03	.853
CHS	.10	1	.10	1.61	.205
GANG	.01	1	.01	.18	.668
OFFTYPENEW	1.11	3	.37	5.66	.001
SC1_RECODE BY GENDER	.11	1	.11	1.63	.202
SC1_RECODE BY RACENE	.08	3	.03	.40	.750
W					
SC1_RECODE BY HISPAN	.01	1	.01	.08	.779
IC					
SC1_RECODE BY CHS	.06	1	.06	.96	.328
SC1_RECODE BY GANG	.03	1	.03	.39	.532
SC1_RECODE BY OFFTYP	.48	3	.16	2.43	.063
ENEW					
(Model)	2.66	21	.13	1.94	.007
(Total)	110.84	1678	.07		
R-Squared =	.024				
Adjusted R-Squared =	.012				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
 SC6_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.26	1657	.07		
SC4_RECODE	.00	1	.00	.01	.917
GENDER	.13	1	.13	2.02	.155
RACENEW	.54	3	.18	2.76	.041
HISPANIC	.00	1	.00	.03	.858
CHS	.11	1	.11	1.64	.201
GANG	.01	1	.01	.18	.669
OFFTYPENEW	1.10	3	.37	5.61	.001
SC4_RECODE BY GENDER	.13	1	.13	1.95	.162
SC4_RECODE BY RACENE	.15	3	.05	.78	.506
W					
SC4_RECODE BY HISPAN	.23	1	.23	3.47	.063
IC					
SC4_RECODE BY CHS	.01	1	.01	.15	.699
SC4_RECODE BY GANG	.01	1	.01	.09	.767
SC4_RECODE BY OFFTYP	.17	3	.06	.87	.456
ENEW					
(Model)	2.59	21	.12	1.88	.009
(Total)	110.84	1678	.07		
R-Squared =	.023				
Adjusted R-Squared =	.011				

 ***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.36	1657	.07		
SC7_RECODE	.15	1	.15	2.33	.127
GENDER	.10	1	.10	1.46	.227
RACENEW	.54	3	.18	2.73	.043
HISPANIC	.00	1	.00	.03	.865
CHS	.17	1	.17	2.54	.111
GANG	.02	1	.02	.32	.570
OFFTYPENEW	1.00	3	.33	5.09	.002
SC7_RECODE BY GENDER	.00	1	.00	.03	.860
SC7_RECODE BY RACENE	.28	3	.09	1.43	.233
W					
SC7_RECODE BY HISPAN	.01	1	.01	.16	.687
IC					
SC7_RECODE BY CHS	.11	1	.11	1.73	.189
SC7_RECODE BY GANG	.09	1	.09	1.45	.229
SC7_RECODE BY OFFTYP	.01	3	.00	.04	.990
ENEW					
(Model)	2.48	21	.12	1.81	.014
(Total)	110.84	1678	.07		
R-Squared =	.022				
Adjusted R-Squared =	.010				

 ***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.78	1657	.07		
SC8_RECODE	.02	1	.02	.30	.583
GENDER	.14	1	.14	2.14	.144
RACENEW	.53	3	.18	2.72	.043
HISPANIC	.00	1	.00	.03	.863
CHS	.10	1	.10	1.53	.217
GANG	.01	1	.01	.16	.688
OFFTYPENEW	1.10	3	.37	5.64	.001
SC8_RECODE BY GENDER	.02	1	.02	.37	.544
SC8_RECODE BY RACENE	.43	3	.14	2.20	.087
W					
SC8_RECODE BY HISPAN	.04	1	.04	.56	.454
IC					

```

SC8_RECODE BY CHS      .01    1    .01    .23    .631
SC8_RECODE BY GANG      .07    1    .07    1.05    .305
SC8_RECODE BY OFFTYP    .59    3    .20    3.03    .028
ENEW
(Model)                3.07    21    .15    2.24    .001
(Total)                110.84  1678    .07
R-Squared =            .028
Adjusted R-Squared =    .015

```

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.40	1657	.07		
SC2_RECODE	.00	1	.00	.05	.827
GENDER	.13	1	.13	1.98	.160
RACENEW	.54	3	.18	2.76	.041
HISPANIC	.00	1	.00	.03	.854
CHS	.11	1	.11	1.65	.200
GANG	.01	1	.01	.19	.665
OFFTYPENEW	1.10	3	.37	5.59	.001
SC2_RECODE BY GENDER	.02	1	.02	.30	.582
SC2_RECODE BY RACENEW	.06	3	.02	.32	.813
W					
SC2_RECODE BY HISPANIC	.01	1	.01	.16	.693
IC					
SC2_RECODE BY CHS	.35	1	.35	5.41	.020
SC2_RECODE BY GANG	.04	1	.04	.66	.418
SC2_RECODE BY OFFTYP	.05	3	.02	.28	.840
ENEW					
(Model)	2.44	21	.12	1.77	.017
(Total)	110.84	1678	.07		
R-Squared =	.022				
Adjusted R-Squared =	.010				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.25	1657	.07		
SC3_RECODE	.11	1	.11	1.71	.191
GENDER	.13	1	.13	2.01	.157
RACENEW	.60	3	.20	3.07	.027
HISPANIC	.00	1	.00	.05	.817

CHS	.08	1	.08	1.28	.259
GANG	.01	1	.01	.08	.773
OFFTYPENEW	1.08	3	.36	5.50	.001
SC3_RECODE BY GENDER	.14	1	.14	2.17	.141
SC3_RECODE BY RACENE	.13	3	.04	.65	.580
W					
SC3_RECODE BY HISPAN	.01	1	.01	.19	.662
IC					
SC3_RECODE BY CHS	.13	1	.13	1.93	.165
SC3_RECODE BY GANG	.01	1	.01	.17	.678
SC3_RECODE BY OFFTYP	.15	3	.05	.78	.503
ENEW					
(Model)	2.59	21	.12	1.89	.009
(Total)	110.84	1678	.07		
R-Squared =	.023				
Adjusted R-Squared =	.011				

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.24	1657	.07		
SC5_RECODE	.06	1	.06	.95	.331
GENDER	.13	1	.13	2.02	.155
RACENEW	.50	3	.17	2.56	.053
HISPANIC	.00	1	.00	.03	.873
CHS	.12	1	.12	1.81	.178
GANG	.01	1	.01	.19	.662
OFFTYPENEW	1.12	3	.37	5.70	.001
SC5_RECODE BY GENDER	.02	1	.02	.37	.540
SC5_RECODE BY RACENE	.07	3	.02	.38	.770
W					
SC5_RECODE BY HISPAN	.15	1	.15	2.23	.135
IC					
SC5_RECODE BY CHS	.07	1	.07	1.09	.297
SC5_RECODE BY GANG	.01	1	.01	.13	.721
SC5_RECODE BY OFFTYP	.33	3	.11	1.68	.170
ENEW					
(Model)	2.60	21	.12	1.89	.009
(Total)	110.84	1678	.07		
R-Squared =	.023				
Adjusted R-Squared =	.011				

Imputation_: 3

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

99 non-empty cells.

7 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	104.99	1657	.06		
SC1_RECODE	.01	1	.01	.15	.700
GENDER	.28	1	.28	4.46	.035
RACENEW	.70	3	.23	3.69	.011
HISPANIC	.03	1	.03	.49	.485
CHS	.23	1	.23	3.67	.056
GANG	.00	1	.00	.02	.880
OFFTYPENEW	1.13	3	.38	5.95	.000
SC1_RECODE BY GENDER	.14	1	.14	2.22	.136
SC1_RECODE BY RACENE	.02	3	.01	.13	.942
W					
SC1_RECODE BY HISPAN	.01	1	.01	.13	.723
IC					
SC1_RECODE BY CHS	.00	1	.00	.05	.823
SC1_RECODE BY GANG	.00	1	.00	.01	.912
SC1_RECODE BY OFFTYP	.57	3	.19	3.02	.029
ENEW					
(Model)	3.14	21	.15	2.36	.000
(Total)	108.13	1678	.06		
R-Squared =	.029				
Adjusted R-Squared =	.017				

 ***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	105.30	1657	.06		
SC4_RECODE	.01	1	.01	.10	.746
GENDER	.27	1	.27	4.29	.038
RACENEW	.71	3	.24	3.74	.011
HISPANIC	.03	1	.03	.48	.487
CHS	.23	1	.23	3.64	.057
GANG	.00	1	.00	.03	.872
OFFTYPENEW	1.12	3	.37	5.89	.001
SC4_RECODE BY GENDER	.10	1	.10	1.60	.207
SC4_RECODE BY RACENE	.12	3	.04	.63	.594
W					
SC4_RECODE BY HISPAN	.00	1	.00	.02	.878
IC					

```

SC4_RECODE BY CHS      .11    1    .11    1.67    .196
SC4_RECODE BY GANG     .01    1    .01    .15    .698
SC4_RECODE BY OFFTYP   .11    3    .04    .57    .635
ENEW
(Model)                2.83    21    .13    2.12    .002
(Total)               108.13  1678    .06
R-Squared =           .026
Adjusted R-Squared =   .014

```

***** Analysis of Variance-- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL       104.98  1657    .06
SC7_RECODE             .06    1    .06    .99    .320
GENDER                 .24    1    .24    3.85    .050
RACENEW                .72    3    .24    3.77    .010
HISPANIC               .03    1    .03    .47    .495
CHS                    .28    1    .28    4.34    .037
GANG                   .00    1    .00    .01    .936
OFFTYPENEW            1.07    3    .36    5.64    .001
SC7_RECODE BY GENDER   .00    1    .00    .00    .968
SC7_RECODE BY RACENE   .19    3    .06    .98    .403
W
SC7_RECODE BY HISPAN   .03    1    .03    .47    .491
IC
SC7_RECODE BY CHS      .48    1    .48    7.50    .006
SC7_RECODE BY GANG     .04    1    .04    .63    .427
SC7_RECODE BY OFFTYP   .02    3    .01    .09    .967
ENEW
(Model)                3.15    21    .15    2.37    .000
(Total)               108.13  1678    .06
R-Squared =           .029
Adjusted R-Squared =   .017

```

***** Analysis of Variance-- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL       104.85  1657    .06
SC8_RECODE             .05    1    .05    .73    .394
GENDER                 .29    1    .29    4.58    .032
RACENEW                .71    3    .24    3.72    .011
HISPANIC               .03    1    .03    .49    .483

```

CHS	.21	1	.21	3.28	.070
GANG	.00	1	.00	.05	.829
OFFTYPENEW	1.11	3	.37	5.87	.001
SC8_RECODE BY GENDER	.04	1	.04	.60	.437
SC8_RECODE BY RACENE	.35	3	.12	1.86	.134
W					
SC8_RECODE BY HISPAN	.01	1	.01	.19	.666
IC					
SC8_RECODE BY CHS	.04	1	.04	.60	.439
SC8_RECODE BY GANG	.05	1	.05	.84	.360
SC8_RECODE BY OFFTYP	.38	3	.13	2.02	.110
ENEW					
(Model)	3.28	21	.16	2.47	.000
(Total)	108.13	1678	.06		
R-Squared =	.030				
Adjusted R-Squared =	.018				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	104.94	1657	.06		
SC2_RECODE	.06	1	.06	.87	.350
GENDER	.31	1	.31	4.93	.027
RACENEW	.75	3	.25	3.96	.008
HISPANIC	.04	1	.04	.59	.443
CHS	.17	1	.17	2.67	.102
GANG	.00	1	.00	.04	.832
OFFTYPENEW	1.12	3	.37	5.91	.001
SC2_RECODE BY GENDER	.00	1	.00	.06	.814
SC2_RECODE BY RACENE	.17	3	.06	.87	.455
W					
SC2_RECODE BY HISPAN	.00	1	.00	.04	.850
IC					
SC2_RECODE BY CHS	.34	1	.34	5.30	.021
SC2_RECODE BY GANG	.07	1	.07	1.10	.295
SC2_RECODE BY OFFTYP	.16	3	.05	.83	.476
ENEW					
(Model)	3.19	21	.15	2.40	.000
(Total)	108.13	1678	.06		
R-Squared =	.029				
Adjusted R-Squared =	.017				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	105.14	1657	.06		
SC3_RECODE	.08	1	.08	1.20	.274
GENDER	.27	1	.27	4.28	.039
RACENEW	.78	3	.26	4.09	.007
HISPANIC	.04	1	.04	.61	.436
CHS	.20	1	.20	3.23	.073
GANG	.01	1	.01	.09	.769
OFFTYPENEW	1.10	3	.37	5.77	.001
SC3_RECODE BY GENDER	.33	1	.33	5.21	.023
SC3_RECODE BY RACENE	.14	3	.05	.75	.525
W					
SC3_RECODE BY HISPAN	.00	1	.00	.00	.961
IC					
SC3_RECODE BY CHS	.01	1	.01	.10	.749
SC3_RECODE BY GANG	.02	1	.02	.37	.542
SC3_RECODE BY OFFTYP	.02	3	.01	.08	.970
ENEW					
(Model)	2.99	21	.14	2.25	.001
(Total)	108.13	1678	.06		
R-Squared =	.028				
Adjusted R-Squared =	.015				

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates
 SC6_Reco
 1 Dependent Variable
 0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	105.07	1657	.06		
SC5_RECODE	.09	1	.09	1.49	.222
GENDER	.27	1	.27	4.32	.038
RACENEW	.66	3	.22	3.49	.015
HISPANIC	.03	1	.03	.43	.513
CHS	.25	1	.25	3.93	.048
GANG	.00	1	.00	.03	.873
OFFTYPENEW	1.12	3	.37	5.88	.001
SC5_RECODE BY GENDER	.01	1	.01	.09	.771
SC5_RECODE BY RACENE	.09	3	.03	.48	.697
W					
SC5_RECODE BY HISPAN	.01	1	.01	.23	.634
IC					
SC5_RECODE BY CHS	.04	1	.04	.69	.406
SC5_RECODE BY GANG	.00	1	.00	.02	.891
SC5_RECODE BY OFFTYP	.48	3	.16	2.50	.058
ENEW					
(Model)	3.06	21	.15	2.30	.001
(Total)	108.13	1678	.06		
R-Squared =	.028				
Adjusted R-Squared =	.016				

Imputation_: 4

***** Analysis of Variance-- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

101 non-empty cells.

7 designs will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.34	1657	.06		
SC1_RECODE	.00	1	.00	.01	.923
GENDER	.30	1	.30	4.61	.032
RACENEW	.63	3	.21	3.26	.021
HISPANIC	.07	1	.07	1.01	.316
CHS	.26	1	.26	3.95	.047
GANG	.00	1	.00	.01	.938
OFFTYPENEW	1.59	3	.53	8.16	.000
SC1_RECODE BY GENDER	.19	1	.19	2.86	.091
SC1_RECODE BY RACENEW	.08	3	.03	.42	.736
W					
SC1_RECODE BY HISPANIC	.00	1	.00	.04	.850
IC					
SC1_RECODE BY CHS	.02	1	.02	.31	.581
SC1_RECODE BY GANG	.01	1	.01	.12	.729
SC1_RECODE BY OFFTYPENEW	.29	3	.10	1.49	.215
(Model)	3.43	21	.16	2.52	.000
(Total)	110.76	1678	.07		
R-Squared =	.031				
Adjusted R-Squared =	.019				

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.53	1657	.06		
SC4_RECODE	.00	1	.00	.00	.964
GENDER	.30	1	.30	4.61	.032
RACENEW	.62	3	.21	3.18	.023
HISPANIC	.06	1	.06	.99	.320

CHS	.27	1	.27	4.15	.042
GANG	.00	1	.00	.01	.933
OFFTYPENEW	1.56	3	.52	8.02	.000
SC4_RECODE BY GENDER	.10	1	.10	1.51	.219
SC4_RECODE BY RACENE	.17	3	.06	.89	.448
W					
SC4_RECODE BY HISPAN	.01	1	.01	.09	.763
IC					
SC4_RECODE BY CHS	.02	1	.02	.26	.613
SC4_RECODE BY GANG	.03	1	.03	.49	.482
SC4_RECODE BY OFFTYP	.10	3	.03	.49	.691
ENEW					
(Model)	3.23	21	.15	2.37	.000
(Total)	110.76	1678	.07		
R-Squared =	.029				
Adjusted R-Squared =	.017				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.20	1657	.06		
SC7_RECODE	.06	1	.06	.95	.329
GENDER	.27	1	.27	4.11	.043
RACENEW	.61	3	.20	3.16	.024
HISPANIC	.06	1	.06	.97	.326
CHS	.33	1	.33	5.06	.025
GANG	.00	1	.00	.03	.860
OFFTYPENEW	1.49	3	.50	7.70	.000
SC7_RECODE BY GENDER	.00	1	.00	.05	.816
SC7_RECODE BY RACENE	.26	3	.09	1.32	.266
W					
SC7_RECODE BY HISPAN	.05	1	.05	.74	.389
IC					
SC7_RECODE BY CHS	.16	1	.16	2.54	.111
SC7_RECODE BY GANG	.11	1	.11	1.63	.201
SC7_RECODE BY OFFTYP	.16	3	.05	.82	.484
ENEW					
(Model)	3.56	21	.17	2.62	.000
(Total)	110.76	1678	.07		
R-Squared =	.032				
Adjusted R-Squared =	.020				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	106.98	1657	.06		
SC8_RECODE	.01	1	.01	.12	.727
GENDER	.31	1	.31	4.77	.029
RACENEW	.61	3	.20	3.13	.025
HISPANIC	.06	1	.06	.99	.319
CHS	.27	1	.27	4.11	.043
GANG	.00	1	.00	.01	.935
OFFTYPENEW	1.56	3	.52	8.05	.000
SC8_RECODE BY GENDER	.07	1	.07	1.02	.312
SC8_RECODE BY RACENE	.36	3	.12	1.87	.133
W					
SC8_RECODE BY HISPAN	.02	1	.02	.32	.570
IC					
SC8_RECODE BY CHS	.07	1	.07	1.12	.289
SC8_RECODE BY GANG	.16	1	.16	2.44	.118
SC8_RECODE BY OFFTYP	.30	3	.10	1.53	.205
ENEW					
(Model)	3.79	21	.18	2.79	.000
(Total)	110.76	1678	.07		
R-Squared =	.034				
Adjusted R-Squared =	.022				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.01	1657	.06		
SC2_RECODE	.02	1	.02	.24	.625
GENDER	.32	1	.32	4.95	.026
RACENEW	.63	3	.21	3.27	.020
HISPANIC	.07	1	.07	1.06	.303
CHS	.23	1	.23	3.55	.060
GANG	.00	1	.00	.00	.944
OFFTYPENEW	1.56	3	.52	8.05	.000
SC2_RECODE BY GENDER	.09	1	.09	1.40	.237
SC2_RECODE BY RACENE	.09	3	.03	.48	.697
W					
SC2_RECODE BY HISPAN	.01	1	.01	.10	.751
IC					
SC2_RECODE BY CHS	.40	1	.40	6.18	.013
SC2_RECODE BY GANG	.09	1	.09	1.43	.231
SC2_RECODE BY OFFTYP	.24	3	.08	1.26	.287
ENEW					
(Model)	3.75	21	.18	2.77	.000
(Total)	110.76	1678	.07		
R-Squared =	.034				
Adjusted R-Squared =	.022				

 ***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.25	1657	.06		
SC3_RECODE	.23	1	.23	3.60	.058
GENDER	.30	1	.30	4.60	.032
RACENEW	.69	3	.23	3.55	.014
HISPANIC	.08	1	.08	1.23	.268
CHS	.24	1	.24	3.64	.057
GANG	.00	1	.00	.01	.915
OFFTYPENEW	1.53	3	.51	7.86	.000
SC3_RECODE BY GENDER	.18	1	.18	2.72	.099
SC3_RECODE BY RACENE	.19	3	.06	.99	.398
W					
SC3_RECODE BY HISPAN	.00	1	.00	.07	.787
IC					
SC3_RECODE BY CHS	.00	1	.00	.01	.909
SC3_RECODE BY GANG	.05	1	.05	.71	.398
SC3_RECODE BY OFFTYP	.03	3	.01	.14	.937
ENEW					
(Model)	3.51	21	.17	2.58	.000
(Total)	110.76	1678	.07		
R-Squared =	.032				
Adjusted R-Squared =	.019				

 ***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.39	1657	.06		
SC5_RECODE	.03	1	.03	.47	.491
GENDER	.30	1	.30	4.61	.032
RACENEW	.59	3	.20	3.03	.028
HISPANIC	.06	1	.06	.96	.328
CHS	.28	1	.28	4.38	.037
GANG	.00	1	.00	.01	.920
OFFTYPENEW	1.58	3	.53	8.11	.000
SC5_RECODE BY GENDER	.02	1	.02	.31	.575
SC5_RECODE BY RACENE	.10	3	.03	.52	.671
W					
SC5_RECODE BY HISPAN	.06	1	.06	.99	.319
IC					

```

SC5_RECODE BY CHS      .08   1   .08   1.18   .277
SC5_RECODE BY GANG      .03   1   .03   .41   .524
SC5_RECODE BY OFFTYP    .24   3   .08   1.25   .289
ENEW
(Model)                3.37   21   .16   2.48   .000
(Total)               110.76 1678   .07
R-Squared =           .030
Adjusted R-Squared =   .018

```

Imputation_: 5

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
92 non-empty cells.
7 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates
SC6_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.39	1657	.07		
SC1_RECODE	.00	1	.00	.05	.819
GENDER	.22	1	.22	3.40	.065
RACENEW	.67	3	.22	3.38	.018
HISPANIC	.03	1	.03	.41	.523
CHS	.13	1	.13	2.04	.154
GANG	.06	1	.06	.94	.333
OFFTYPENEW	1.50	3	.50	7.57	.000
SC1_RECODE BY GENDER	.18	1	.18	2.76	.097
SC1_RECODE BY RACENEW	.06	3	.02	.31	.815
W					
SC1_RECODE BY HISPANIC	.01	1	.01	.20	.653
IC					
SC1_RECODE BY CHS	.04	1	.04	.59	.442
SC1_RECODE BY GANG	.01	1	.01	.23	.634
SC1_RECODE BY OFFTYP	.41	3	.14	2.08	.101
ENEW					
(Model)	3.35	21	.16	2.41	.000
(Total)	112.73	1678	.07		
R-Squared =	.030				
Adjusted R-Squared =	.017				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC6_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.66	1657	.07		
SC4_RECODE	.00	1	.00	.01	.938
GENDER	.22	1	.22	3.31	.069
RACENEW	.68	3	.23	3.41	.017
HISPANIC	.03	1	.03	.41	.522
CHS	.14	1	.14	2.06	.152
GANG	.06	1	.06	.95	.330
OFFTYPENEW	1.48	3	.49	7.47	.000
SC4_RECODE BY GENDER	.04	1	.04	.55	.460
SC4_RECODE BY RACENE	.15	3	.05	.76	.516
W					
SC4_RECODE BY HISPAN	.00	1	.00	.01	.918
IC					
SC4_RECODE BY CHS	.06	1	.06	.96	.328
SC4_RECODE BY GANG	.02	1	.02	.32	.572
SC4_RECODE BY OFFTYP	.19	3	.06	.97	.408
ENEW					
(Model)	3.07	21	.15	2.21	.001
(Total)	112.73	1678	.07		
R-Squared =	.027				
Adjusted R-Squared =	.015				

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.44	1657	.07		
SC7_RECODE	.11	1	.11	1.72	.189
GENDER	.18	1	.18	2.72	.099
RACENEW	.67	3	.22	3.39	.017
HISPANIC	.03	1	.03	.39	.532
CHS	.19	1	.19	2.94	.087
GANG	.04	1	.04	.68	.411
OFFTYPENEW	1.41	3	.47	7.11	.000
SC7_RECODE BY GENDER	.00	1	.00	.03	.863
SC7_RECODE BY RACENE	.24	3	.08	1.22	.300
W					
SC7_RECODE BY HISPAN	.09	1	.09	1.33	.250
IC					
SC7_RECODE BY CHS	.24	1	.24	3.65	.056
SC7_RECODE BY GANG	.04	1	.04	.59	.443
SC7_RECODE BY OFFTYP	.05	3	.02	.23	.874
ENEW					
(Model)	3.30	21	.16	2.38	.000
(Total)	112.73	1678	.07		
R-Squared =	.029				
Adjusted R-Squared =	.017				

 ***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.17	1657	.07		
SC8_RECODE	.01	1	.01	.18	.675
GENDER	.22	1	.22	3.41	.065
RACENEW	.67	3	.22	3.38	.018
HISPANIC	.03	1	.03	.41	.523
CHS	.13	1	.13	2.02	.156
GANG	.06	1	.06	.98	.323
OFFTYPENEW	1.48	3	.49	7.50	.000
SC8_RECODE BY GENDER	.00	1	.00	.02	.895
SC8_RECODE BY RACENE	.42	3	.14	2.10	.098
W					
SC8_RECODE BY HISPAN	.06	1	.06	.87	.352
IC					
SC8_RECODE BY CHS	.01	1	.01	.13	.718
SC8_RECODE BY GANG	.03	1	.03	.39	.533
SC8_RECODE BY OFFTYP	.44	3	.15	2.23	.083
ENEW					
(Model)	3.56	21	.17	2.57	.000
(Total)	112.73	1678	.07		
R-Squared =	.032				
Adjusted R-Squared =	.019				

 ***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.30	1657	.07		
SC2_RECODE	.00	1	.00	.02	.889
GENDER	.23	1	.23	3.44	.064
RACENEW	.69	3	.23	3.47	.016
HISPANIC	.03	1	.03	.43	.511
CHS	.12	1	.12	1.84	.176
GANG	.06	1	.06	.95	.331
OFFTYPENEW	1.48	3	.49	7.49	.000
SC2_RECODE BY GENDER	.00	1	.00	.02	.897
SC2_RECODE BY RACENE	.14	3	.05	.72	.541
W					
SC2_RECODE BY HISPAN	.01	1	.01	.21	.650
IC					


```

SC2_RECODE BY CHS      .31    1    .31    4.67    .031
SC2_RECODE BY GANG     .13    1    .13    1.91    .168
SC2_RECODE BY OFFTYP   .23    3    .08    1.16    .324
ENEW
(Model)                3.43    21    .16    2.48    .000
(Total)                112.73  1678    .07
R-Squared =            .030
Adjusted R-Squared =   .018

```

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      109.59  1657    .07
SC3_RECODE            .16    1    .16    2.48    .115
GENDER                .22    1    .22    3.35    .068
RACENEW               .75    3    .25    3.79    .010
HISPANIC              .03    1    .03    .48    .488
CHS                   .11    1    .11    1.61    .204
GANG                  .08    1    .08    1.27    .260
OFFTYPENEW           1.44    3    .48    7.28    .000
SC3_RECODE BY GENDER  .08    1    .08    1.21    .272
SC3_RECODE BY RACENE  .18    3    .06    .90    .438
W
SC3_RECODE BY HISPAN  .02    1    .02    .25    .619
IC
SC3_RECODE BY CHS     .00    1    .00    .07    .794
SC3_RECODE BY GANG     .01    1    .01    .18    .670
SC3_RECODE BY OFFTYP   .05    3    .02    .25    .863
ENEW
(Model)                3.14    21    .15    2.26    .001
(Total)                112.73  1678    .07
R-Squared =            .028
Adjusted R-Squared =   .016

```

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL      109.32  1657    .07
SC5_RECODE            .01    1    .01    .10    .751
GENDER                .22    1    .22    3.32    .068
RACENEW               .67    3    .22    3.37    .018
HISPANIC              .03    1    .03    .41    .524

```

CHS	.14	1	.14	2.12	.146
GANG	.06	1	.06	.92	.337
OFFTYPENEW	1.49	3	.50	7.55	.000
SC5_RECODE BY GENDER	.00	1	.00	.00	.945
SC5_RECODE BY RACENE	.11	3	.04	.55	.647
W					
SC5_RECODE BY HISPAN	.01	1	.01	.20	.651
IC					
SC5_RECODE BY CHS	.08	1	.08	1.17	.280
SC5_RECODE BY GANG	.00	1	.00	.03	.861
SC5_RECODE BY OFFTYP	.59	3	.20	2.99	.030
ENEW					
(Model)	3.41	21	.16	2.46	.000
(Total)	112.73	1678	.07		
R-Squared =	.030				
Adjusted R-Squared =	.018				

Imputation_: 6

***** Analysis of Variance-- Design 7 *****

1679 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 102 non-empty cells.
 7 designs will be processed.

***** Analysis of Variance-- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.62	1657	.07		
SC1_RECODE	.00	1	.00	.02	.887
GENDER	.31	1	.31	4.64	.031
RACENEW	.68	3	.23	3.40	.017
HISPANIC	.10	1	.10	1.48	.224
CHS	.00	1	.00	.00	.967
GANG	.01	1	.01	.22	.639
OFFTYPENEW	1.56	3	.52	7.85	.000
SC1_RECODE BY GENDER	.19	1	.19	2.92	.088
SC1_RECODE BY RACENE	.05	3	.02	.27	.844
W					
SC1_RECODE BY HISPAN	.00	1	.00	.03	.857
IC					
SC1_RECODE BY CHS	.00	1	.00	.01	.928
SC1_RECODE BY GANG	.05	1	.05	.70	.403
SC1_RECODE BY OFFTYP	.36	3	.12	1.83	.140
ENEW					
(Model)	3.31	21	.16	2.38	.000
(Total)	112.94	1678	.07		
R-Squared =	.029				
Adjusted R-Squared =	.017				

 ***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.95	1657	.07		
SC4_RECODE	.00	1	.00	.00	.991
GENDER	.31	1	.31	4.64	.031
RACENEW	.66	3	.22	3.29	.020
HISPANIC	.10	1	.10	1.48	.224
CHS	.00	1	.00	.00	.962
GANG	.01	1	.01	.19	.665
OFFTYPENEW	1.50	3	.50	7.54	.000
SC4_RECODE BY GENDER	.05	1	.05	.81	.368
SC4_RECODE BY RACENE	.16	3	.05	.81	.487
W					
SC4_RECODE BY HISPAN	.00	1	.00	.02	.890
IC					
SC4_RECODE BY CHS	.00	1	.00	.06	.802
SC4_RECODE BY GANG	.01	1	.01	.22	.640
SC4_RECODE BY OFFTYP	.17	3	.06	.87	.454
ENEW					
(Model)	2.99	21	.14	2.14	.002
(Total)	112.94	1678	.07		
R-Squared =	.026				
Adjusted R-Squared =	.014				

 ***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.67	1657	.07		
SC7_RECODE	.04	1	.04	.67	.415
GENDER	.28	1	.28	4.24	.040
RACENEW	.65	3	.22	3.25	.021
HISPANIC	.10	1	.10	1.44	.230
CHS	.00	1	.00	.04	.843
GANG	.01	1	.01	.14	.706
OFFTYPENEW	1.49	3	.50	7.50	.000
SC7_RECODE BY GENDER	.00	1	.00	.00	.994
SC7_RECODE BY RACENE	.30	3	.10	1.54	.203
W					
SC7_RECODE BY HISPAN	.06	1	.06	.88	.349
IC					

```

SC7_RECODE BY CHS      .26    1    .26    3.88    .049
SC7_RECODE BY GANG     .04    1    .04    .64    .423
SC7_RECODE BY OFFTYP   .03    3    .01    .16    .922
ENEW
(Model)                3.26    21    .16    2.35    .001
(Total)                112.94  1678    .07
R-Squared =            .029
Adjusted R-Squared =    .017

```

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL       109.38  1657    .07
SC8_RECODE             .03    1    .03    .44    .509
GENDER                 .32    1    .32    4.91    .027
RACENEW                .64    3    .21    3.22    .022
HISPANIC               .10    1    .10    1.49    .222
CHS                    .00    1    .00    .00    .992
GANG                   .02    1    .02    .23    .628
OFFTYPENEW            1.50    3    .50    7.57    .000
SC8_RECODE BY GENDER   .06    1    .06    .96    .328
SC8_RECODE BY RACENE   .27    3    .09    1.36    .252
W
SC8_RECODE BY HISPAN   .04    1    .04    .66    .418
IC
SC8_RECODE BY CHS      .10    1    .10    1.46    .227
SC8_RECODE BY GANG     .02    1    .02    .33    .568
SC8_RECODE BY OFFTYP   .46    3    .15    2.30    .075
ENEW
(Model)                3.55    21    .17    2.56    .000
(Total)                112.94  1678    .07
R-Squared =            .031
Adjusted R-Squared =    .019

```

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation    SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL       109.68  1657    .07
SC2_RECODE             .00    1    .00    .07    .791
GENDER                 .32    1    .32    4.89    .027
RACENEW                .67    3    .22    3.36    .018
HISPANIC               .10    1    .10    1.51    .219

```

CHS	.00	1	.00	.01	.913
GANG	.01	1	.01	.21	.649
OFFTYPENEW	1.50	3	.50	7.55	.000
SC2_RECODE BY GENDER	.01	1	.01	.14	.710
SC2_RECODE BY RACENE	.10	3	.03	.52	.666
W					
SC2_RECODE BY HISPAN	.00	1	.00	.00	.986
IC					
SC2_RECODE BY CHS	.35	1	.35	5.34	.021
SC2_RECODE BY GANG	.02	1	.02	.29	.589
SC2_RECODE BY OFFTYP	.16	3	.05	.82	.482
ENEW					
(Model)	3.26	21	.16	2.34	.001
(Total)	112.94	1678	.07		
R-Squared =	.029				
Adjusted R-Squared =	.017				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.57	1657	.07		
SC3_RECODE	.20	1	.20	3.05	.081
GENDER	.31	1	.31	4.62	.032
RACENEW	.73	3	.24	3.70	.011
HISPANIC	.11	1	.11	1.73	.188
CHS	.00	1	.00	.02	.902
GANG	.02	1	.02	.37	.544
OFFTYPENEW	1.48	3	.49	7.48	.000
SC3_RECODE BY GENDER	.20	1	.20	3.01	.083
SC3_RECODE BY RACENE	.20	3	.07	.99	.398
W					
SC3_RECODE BY HISPAN	.00	1	.00	.02	.897
IC					
SC3_RECODE BY CHS	.03	1	.03	.40	.527
SC3_RECODE BY GANG	.00	1	.00	.07	.795
SC3_RECODE BY OFFTYP	.07	3	.02	.37	.775
ENEW					
(Model)	3.36	21	.16	2.42	.000
(Total)	112.94	1678	.07		
R-Squared =	.030				
Adjusted R-Squared =	.017				

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.95	1657	.07		
SC5_RECODE	.02	1	.02	.31	.575
GENDER	.31	1	.31	4.63	.032
RACENEW	.63	3	.21	3.16	.024
HISPANIC	.10	1	.10	1.44	.231
CHS	.00	1	.00	.01	.920
GANG	.01	1	.01	.17	.677
OFFTYPENEW	1.51	3	.50	7.59	.000
SC5_RECODE BY GENDER	.00	1	.00	.04	.851
SC5_RECODE BY RACENEW	.09	3	.03	.43	.728
SC5_RECODE BY HISPANIC	.06	1	.06	.85	.357
SC5_RECODE BY CHS	.11	1	.11	1.61	.205
SC5_RECODE BY GANG	.00	1	.00	.00	.997
SC5_RECODE BY OFFTYPENEW	.16	3	.05	.78	.505
(Model)	2.98	21	.14	2.14	.002
(Total)	112.94	1678	.07		
R-Squared =	.026				
Adjusted R-Squared =	.014				

Imputation_: 7

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

96 non-empty cells.

7 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	107.86	1657	.07		
SC1_RECODE	.02	1	.02	.33	.563
GENDER	.37	1	.37	5.71	.017
RACENEW	.74	3	.25	3.81	.010
HISPANIC	.09	1	.09	1.39	.238
CHS	.16	1	.16	2.42	.120
GANG	.02	1	.02	.37	.544
OFFTYPENEW	2.37	3	.79	12.13	.000
SC1_RECODE BY GENDER	.10	1	.10	1.59	.208
SC1_RECODE BY RACENEW	.07	3	.02	.37	.773

```

SC1_RECODE BY HISPAN      .01    1    .01    .14    .709
IC
SC1_RECODE BY CHS         .00    1    .00    .07    .797
SC1_RECODE BY GANG        .01    1    .01    .22    .637
SC1_RECODE BY OFFTYP      .83    3    .28    4.24    .005
ENEW
(Model)                   4.81    21    .23    3.52    .000
(Total)                   112.66  1678    .07
R-Squared =               .043
Adjusted R-Squared =      .031

```

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation      SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL         108.54  1657    .07
SC4_RECODE               .00    1    .00    .00    .979
GENDER                   .38    1    .38    5.83    .016
RACENEW                  .69    3    .23    3.50    .015
HISPANIC                 .09    1    .09    1.34    .248
CHS                      .19    1    .19    2.88    .090
GANG                     .02    1    .02    .29    .590
OFFTYPENEW              2.31    3    .77    11.76    .000
SC4_RECODE BY GENDER     .06    1    .06    .85    .358
SC4_RECODE BY RACENE     .19    3    .06    .95    .418
W
SC4_RECODE BY HISPAN     .01    1    .01    .16    .686
IC
SC4_RECODE BY CHS        .05    1    .05    .82    .364
SC4_RECODE BY GANG       .02    1    .02    .24    .624
SC4_RECODE BY OFFTYP     .12    3    .04    .62    .601
ENEW
(Model)                  4.12    21    .20    2.99    .000
(Total)                  112.66  1678    .07
R-Squared =              .037
Adjusted R-Squared =     .024

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

```

Source of Variation      SS    DF    MS    F    Sig of F
WITHIN+RESIDUAL         108.48  1657    .07
SC7_RECODE               .14    1    .14    2.07    .150
GENDER                   .33    1    .33    4.99    .026

```

RACENEW	.68	3	.23	3.45	.016
HISPANIC	.08	1	.08	1.24	.266
CHS	.26	1	.26	3.99	.046
GANG	.01	1	.01	.14	.711
OFFTYPENEW	2.21	3	.74	11.25	.000
SC7_RECODE BY GENDER	.00	1	.00	.02	.886
SC7_RECODE BY RACENEW	.18	3	.06	.89	.443
W					
SC7_RECODE BY HISPANIC	.03	1	.03	.48	.490
IC					
SC7_RECODE BY CHS	.21	1	.21	3.24	.072
SC7_RECODE BY GANG	.00	1	.00	.02	.890
SC7_RECODE BY OFFTYPENEW	.06	3	.02	.28	.836
ENEW					
(Model)	4.18	21	.20	3.04	.000
(Total)	112.66	1678	.07		
R-Squared =	.037				
Adjusted R-Squared =	.025				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.43	1657	.07		
SC8_RECODE	.00	1	.00	.00	.983
GENDER	.38	1	.38	5.85	.016
RACENEW	.68	3	.23	3.46	.016
HISPANIC	.09	1	.09	1.31	.252
CHS	.20	1	.20	3.04	.081
GANG	.02	1	.02	.25	.616
OFFTYPENEW	2.31	3	.77	11.78	.000
SC8_RECODE BY GENDER	.05	1	.05	.74	.390
SC8_RECODE BY RACENEW	.21	3	.07	1.08	.358
W					
SC8_RECODE BY HISPANIC	.06	1	.06	.97	.325
IC					
SC8_RECODE BY CHS	.03	1	.03	.46	.497
SC8_RECODE BY GANG	.01	1	.01	.17	.679
SC8_RECODE BY OFFTYPENEW	.19	3	.06	.97	.405
ENEW					
(Model)	4.23	21	.20	3.08	.000
(Total)	112.66	1678	.07		
R-Squared =	.038				
Adjusted R-Squared =	.025				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.07	1657	.07		
SC2_RECDE	.00	1	.00	.00	.978
GENDER	.39	1	.39	5.98	.015
RACENEW	.69	3	.23	3.54	.014
HISPANIC	.09	1	.09	1.38	.240
CHS	.17	1	.17	2.67	.102
GANG	.02	1	.02	.28	.595
OFFTYPENEW	2.31	3	.77	11.79	.000
SC2_RECDE BY GENDER	.01	1	.01	.09	.770
SC2_RECDE BY RACENE	.16	3	.05	.80	.495
W					
SC2_RECDE BY HISPAN	.00	1	.00	.00	.992
IC					
SC2_RECDE BY CHS	.58	1	.58	8.92	.003
SC2_RECDE BY GANG	.09	1	.09	1.44	.231
SC2_RECDE BY OFFTYP	.09	3	.03	.44	.721
ENEW					
(Model)	4.60	21	.22	3.36	.000
(Total)	112.66	1678	.07		
R-Squared =	.041				
Adjusted R-Squared =	.029				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.53	1657	.07		
SC3_RECDE	.10	1	.10	1.54	.214
GENDER	.38	1	.38	5.83	.016
RACENEW	.75	3	.25	3.80	.010
HISPANIC	.10	1	.10	1.50	.221
CHS	.17	1	.17	2.61	.106
GANG	.03	1	.03	.43	.514
OFFTYPENEW	2.26	3	.75	11.52	.000
SC3_RECDE BY GENDER	.14	1	.14	2.08	.150
SC3_RECDE BY RACENE	.19	3	.06	.98	.403
W					
SC3_RECDE BY HISPAN	.00	1	.00	.00	.979
IC					
SC3_RECDE BY CHS	.00	1	.00	.00	.978
SC3_RECDE BY GANG	.01	1	.01	.10	.755
SC3_RECDE BY OFFTYP	.01	3	.00	.06	.980
ENEW					
(Model)	4.14	21	.20	3.01	.000
(Total)	112.66	1678	.07		

R-Squared = .037
Adjusted R-Squared = .025

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.42	1657	.07		
SC5_RECODE	.02	1	.02	.24	.625
GENDER	.38	1	.38	5.81	.016
RACENEW	.67	3	.22	3.39	.017
HISPANIC	.09	1	.09	1.31	.253
CHS	.20	1	.20	3.03	.082
GANG	.02	1	.02	.26	.611
OFFTYPENEW	2.31	3	.77	11.77	.000
SC5_RECODE BY GENDER	.00	1	.00	.02	.890
SC5_RECODE BY RACENEW	.09	3	.03	.44	.722
SC5_RECODE BY HISPANIC	.05	1	.05	.74	.391
SC5_RECODE BY CHS	.07	1	.07	1.07	.302
SC5_RECODE BY GANG	.00	1	.00	.06	.808
SC5_RECODE BY OFFTYPENEW	.36	3	.12	1.84	.139
(Model)	4.24	21	.20	3.09	.000
(Total)	112.66	1678	.07		

R-Squared = .038
Adjusted R-Squared = .025

Imputation_: 8

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

97 non-empty cells.

7 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	110.76	1657	.07		
SC1_RECODE	.00	1	.00	.00	.988

GENDER	.34	1	.34	5.02	.025
RACENEW	.67	3	.22	3.33	.019
HISPANIC	.05	1	.05	.71	.400
CHS	.07	1	.07	1.09	.297
GANG	.05	1	.05	.74	.391
OFFTYPENEW	1.27	3	.42	6.35	.000
SC1_RECODE BY GENDER	.15	1	.15	2.19	.139
SC1_RECODE BY RACENE	.02	3	.01	.10	.958
W					
SC1_RECODE BY HISPAN	.00	1	.00	.01	.908
IC					
SC1_RECODE BY CHS	.06	1	.06	.95	.330
SC1_RECODE BY GANG	.00	1	.00	.00	.970
SC1_RECODE BY OFFTYP	.76	3	.25	3.77	.010
ENEW					
(Model)	3.43	21	.16	2.45	.000
(Total)	114.19	1678	.07		
R-Squared =	.030				
Adjusted R-Squared =	.018				

***** Analysis of Variance-- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	111.33	1657	.07		
SC4_RECODE	.00	1	.00	.04	.844
GENDER	.34	1	.34	4.99	.026
RACENEW	.67	3	.22	3.32	.019
HISPANIC	.05	1	.05	.71	.401
CHS	.08	1	.08	1.12	.290
GANG	.05	1	.05	.75	.388
OFFTYPENEW	1.25	3	.42	6.21	.000
SC4_RECODE BY GENDER	.11	1	.11	1.64	.200
SC4_RECODE BY RACENE	.16	3	.05	.79	.501
W					
SC4_RECODE BY HISPAN	.00	1	.00	.01	.910
IC					
SC4_RECODE BY CHS	.04	1	.04	.56	.454
SC4_RECODE BY GANG	.06	1	.06	.83	.362
SC4_RECODE BY OFFTYP	.07	3	.02	.35	.788
ENEW					
(Model)	2.87	21	.14	2.03	.004
(Total)	114.19	1678	.07		
R-Squared =	.025				
Adjusted R-Squared =	.013				

***** Analysis of Variance-- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	111.09	1657	.07		
SC7_RECDE	.08	1	.08	1.23	.268
GENDER	.30	1	.30	4.41	.036
RACENEW	.65	3	.22	3.24	.021
HISPANIC	.05	1	.05	.68	.410
CHS	.11	1	.11	1.71	.191
GANG	.04	1	.04	.52	.470
OFFTYPENEW	1.20	3	.40	5.95	.000
SC7_RECDE BY GENDER	.00	1	.00	.04	.842
SC7_RECDE BY RACENE	.27	3	.09	1.34	.260
W					
SC7_RECDE BY HISPAN	.01	1	.01	.16	.686
IC					
SC7_RECDE BY CHS	.26	1	.26	3.93	.048
SC7_RECDE BY GANG	.12	1	.12	1.77	.183
SC7_RECDE BY OFFTYP	.02	3	.01	.09	.966
ENEW					
(Model)	3.10	21	.15	2.20	.001
(Total)	114.19	1678	.07		
R-Squared =	.027				
Adjusted R-Squared =	.015				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates
SC6_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	110.87	1657	.07		
SC8_RECDE	.03	1	.03	.43	.512
GENDER	.35	1	.35	5.19	.023
RACENEW	.64	3	.21	3.20	.022
HISPANIC	.05	1	.05	.71	.400
CHS	.07	1	.07	1.08	.298
GANG	.05	1	.05	.76	.382
OFFTYPENEW	1.25	3	.42	6.23	.000
SC8_RECDE BY GENDER	.01	1	.01	.08	.784
SC8_RECDE BY RACENE	.33	3	.11	1.64	.178
W					
SC8_RECDE BY HISPAN	.05	1	.05	.72	.397
IC					
SC8_RECDE BY CHS	.02	1	.02	.32	.571
SC8_RECDE BY GANG	.02	1	.02	.34	.561
SC8_RECDE BY OFFTYP	.45	3	.15	2.26	.080
ENEW					
(Model)	3.32	21	.16	2.36	.000

(Total) 114.19 1678 .07
 R-Squared = .029
 Adjusted R-Squared = .017

***** Analysis of Variance-- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	111.12	1657	.07		
SC2_RECODE	.01	1	.01	.15	.698
GENDER	.36	1	.36	5.31	.021
RACENEW	.68	3	.23	3.37	.018
HISPANIC	.05	1	.05	.76	.384
CHS	.06	1	.06	.85	.356
GANG	.05	1	.05	.72	.395
OFFTYPENEW	1.24	3	.41	6.16	.000
SC2_RECODE BY GENDER	.00	1	.00	.00	.980
SC2_RECODE BY RACENEW	.07	3	.02	.35	.790
W					
SC2_RECODE BY HISPANIC	.00	1	.00	.05	.829
IC					
SC2_RECODE BY CHS	.38	1	.38	5.67	.017
SC2_RECODE BY GANG	.11	1	.11	1.60	.206
SC2_RECODE BY OFFTYPENEW	.07	3	.02	.34	.796
ENEW					
(Model)	3.07	21	.15	2.18	.002
(Total)	114.19	1678	.07		
R-Squared =	.027				
Adjusted R-Squared =	.015				

***** Analysis of Variance-- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance-- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	110.94	1657	.07		
SC3_RECODE	.08	1	.08	1.17	.279
GENDER	.33	1	.33	4.92	.027
RACENEW	.70	3	.23	3.51	.015
HISPANIC	.06	1	.06	.84	.360
CHS	.07	1	.07	1.01	.314
GANG	.06	1	.06	.88	.347
OFFTYPENEW	1.20	3	.40	6.00	.000
SC3_RECODE BY GENDER	.30	1	.30	4.49	.034
SC3_RECODE BY RACENEW	.14	3	.05	.69	.557

W
 SC3_RECODE BY HISPAN .00 1 .00 .03 .867
 IC
 SC3_RECODE BY CHS .01 1 .01 .20 .656
 SC3_RECODE BY GANG .04 1 .04 .59 .444
 SC3_RECODE BY OFFTYP .26 3 .09 1.27 .283
 ENEW
 (Model) 3.25 21 .15 2.31 .001
 (Total) 114.19 1678 .07
 R-Squared = .028
 Adjusted R-Squared = .016

 ***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

 ***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	111.15	1657	.07		
SC5_RECODE	.01	1	.01	.15	.695
GENDER	.33	1	.33	4.98	.026
RACENEW	.64	3	.21	3.19	.023
HISPANIC	.05	1	.05	.69	.407
CHS	.09	1	.09	1.27	.260
GANG	.04	1	.04	.67	.414
OFFTYPENEW	1.25	3	.42	6.21	.000
SC5_RECODE BY GENDER	.05	1	.05	.72	.396
SC5_RECODE BY RACENE	.12	3	.04	.62	.605
W					
SC5_RECODE BY HISPAN	.01	1	.01	.20	.657
IC					
SC5_RECODE BY CHS	.07	1	.07	1.07	.301
SC5_RECODE BY GANG	.00	1	.00	.03	.867
SC5_RECODE BY OFFTYP	.37	3	.12	1.85	.137
ENEW					
(Model)	3.04	21	.14	2.16	.002
(Total)	114.19	1678	.07		
R-Squared =	.027				
Adjusted R-Squared =	.014				

 Imputation_: 9

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

98 non-empty cells.

7 designs will be processed.

 ***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.71	1657	.07		
SC1_RECODE	.03	1	.03	.39	.533
GENDER	.36	1	.36	5.39	.020
RACENEW	.88	3	.29	4.41	.004
HISPANIC	.05	1	.05	.80	.373
CHS	.19	1	.19	2.90	.089
GANG	.00	1	.00	.05	.825
OFFTYPENEW	1.45	3	.48	7.30	.000
SC1_RECODE BY GENDER	.15	1	.15	2.33	.127
SC1_RECODE BY RACENE	.14	3	.05	.72	.542
W					
SC1_RECODE BY HISPAN	.01	1	.01	.22	.637
IC					
SC1_RECODE BY CHS	.02	1	.02	.27	.604
SC1_RECODE BY GANG	.00	1	.00	.01	.924
SC1_RECODE BY OFFTYP	.62	3	.21	3.11	.025
ENEW					
(Model)	3.91	21	.19	2.81	.000
(Total)	113.61	1678	.07		
R-Squared =	.034				
Adjusted R-Squared =	.022				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates
SC6_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	110.27	1657	.07		
SC4_RECODE	.01	1	.01	.15	.702
GENDER	.37	1	.37	5.56	.019
RACENEW	.83	3	.28	4.17	.006
HISPANIC	.05	1	.05	.80	.372
CHS	.22	1	.22	3.29	.070
GANG	.00	1	.00	.06	.800
OFFTYPENEW	1.39	3	.46	6.98	.000
SC4_RECODE BY GENDER	.18	1	.18	2.67	.102
SC4_RECODE BY RACENE	.16	3	.05	.80	.495
W					
SC4_RECODE BY HISPAN	.01	1	.01	.15	.695
IC					
SC4_RECODE BY CHS	.03	1	.03	.43	.513
SC4_RECODE BY GANG	.06	1	.06	.83	.361
SC4_RECODE BY OFFTYP	.03	3	.01	.16	.926
ENEW					
(Model)	3.34	21	.16	2.39	.000

(Total) 113.61 1678 .07
 R-Squared = .029
 Adjusted R-Squared = .017

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	110.01	1657	.07		
SC7_RECODE	.05	1	.05	.68	.408
GENDER	.34	1	.34	5.11	.024
RACENEW	.81	3	.27	4.05	.007
HISPANIC	.05	1	.05	.76	.382
CHS	.27	1	.27	4.11	.043
GANG	.01	1	.01	.12	.729
OFFTYPENEW	1.34	3	.45	6.72	.000
SC7_RECODE BY GENDER	.00	1	.00	.04	.834
SC7_RECODE BY RACENEW	.31	3	.10	1.53	.204
W					
SC7_RECODE BY HISPANIC	.04	1	.04	.59	.442
IC					
SC7_RECODE BY CHS	.36	1	.36	5.47	.020
SC7_RECODE BY GANG	.01	1	.01	.16	.689
SC7_RECODE BY OFFTYPENEW	.02	3	.01	.08	.971
ENEW					
(Model)	3.60	21	.17	2.58	.000
(Total)	113.61	1678	.07		
R-Squared =	.032				
Adjusted R-Squared =	.019				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.75	1657	.07		
SC8_RECODE	.11	1	.11	1.62	.203
GENDER	.39	1	.39	5.95	.015
RACENEW	.78	3	.26	3.95	.008
HISPANIC	.05	1	.05	.78	.377
CHS	.20	1	.20	3.04	.081
GANG	.00	1	.00	.03	.865
OFFTYPENEW	1.37	3	.46	6.89	.000
SC8_RECODE BY GENDER	.00	1	.00	.07	.785
SC8_RECODE BY RACENEW	.53	3	.18	2.69	.045

W
 SC8_RECODE BY HISPAN .02 1 .02 .36 .546
 IC
 SC8_RECODE BY CHS .00 1 .00 .01 .921
 SC8_RECODE BY GANG .01 1 .01 .10 .754
 SC8_RECODE BY OFFTYP .39 3 .13 1.94 .121
 ENEW
 (Model) 3.87 21 .18 2.78 .000
 (Total) 113.61 1678 .07
 R-Squared = .034
 Adjusted R-Squared = .022

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.67	1657	.07		
SC2_RECODE	.01	1	.01	.12	.733
GENDER	.39	1	.39	5.87	.016
RACENEW	.83	3	.28	4.18	.006
HISPANIC	.05	1	.05	.83	.362
CHS	.20	1	.20	3.00	.083
GANG	.00	1	.00	.06	.807
OFFTYPENEW	1.38	3	.46	6.96	.000
SC2_RECODE BY GENDER	.00	1	.00	.00	.983
SC2_RECODE BY RACENE	.35	3	.12	1.76	.154
W					
SC2_RECODE BY HISPAN	.00	1	.00	.01	.935
IC					
SC2_RECODE BY CHS	.64	1	.64	9.64	.002
SC2_RECODE BY GANG	.03	1	.03	.47	.491
SC2_RECODE BY OFFTYP	.06	3	.02	.30	.822
ENEW					
(Model)	3.94	21	.19	2.84	.000
(Total)	113.61	1678	.07		
R-Squared =	.035				
Adjusted R-Squared =	.022				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	109.85	1657	.07		
SC3_RECODE	.28	1	.28	4.30	.038

GENDER	.37	1	.37	5.53	.019
RACENEW	.91	3	.30	4.56	.003
HISPANIC	.07	1	.07	1.05	.306
CHS	.20	1	.20	2.97	.085
GANG	.00	1	.00	.01	.937
OFFTYPENEW	1.34	3	.45	6.73	.000
SC3_RECODE BY GENDER	.21	1	.21	3.20	.074
SC3_RECODE BY RACENE	.25	3	.08	1.27	.282
W					
SC3_RECODE BY HISPAN	.01	1	.01	.10	.748
IC					
SC3_RECODE BY CHS	.02	1	.02	.24	.625
SC3_RECODE BY GANG	.00	1	.00	.00	.993
SC3_RECODE BY OFFTYP	.12	3	.04	.59	.624
ENEW					
(Model)	3.77	21	.18	2.71	.000
(Total)	113.61	1678	.07		
R-Squared =	.033				
Adjusted R-Squared =	.021				

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	110.20	1657	.07		
SC5_RECODE	.03	1	.03	.49	.484
GENDER	.37	1	.37	5.52	.019
RACENEW	.78	3	.26	3.90	.009
HISPANIC	.05	1	.05	.76	.385
CHS	.25	1	.25	3.70	.055
GANG	.01	1	.01	.08	.781
OFFTYPENEW	1.40	3	.47	7.01	.000
SC5_RECODE BY GENDER	.00	1	.00	.06	.807
SC5_RECODE BY RACENE	.08	3	.03	.42	.739
W					
SC5_RECODE BY HISPAN	.05	1	.05	.71	.399
IC					
SC5_RECODE BY CHS	.06	1	.06	.86	.355
SC5_RECODE BY GANG	.00	1	.00	.01	.928
SC5_RECODE BY OFFTYP	.34	3	.11	1.72	.161
ENEW					
(Model)	3.41	21	.16	2.44	.000
(Total)	113.61	1678	.07		
R-Squared =	.030				
Adjusted R-Squared =	.018				

Imputation_: 10

***** Analysis of Variance -- Design 7 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.
 98 non-empty cells.
 7 designs will be processed.

***** Analysis of Variance -- Design 1 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 1 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.31	1657	.07		
SC1_RECODE	.01	1	.01	.21	.643
GENDER	.31	1	.31	4.81	.028
RACENEW	.85	3	.28	4.33	.005
HISPANIC	.01	1	.01	.14	.708
CHS	.04	1	.04	.58	.446
GANG	.09	1	.09	1.36	.244
OFFTYPENEW	.72	3	.24	3.65	.012
SC1_RECODE BY GENDER	.22	1	.22	3.36	.067
SC1_RECODE BY RACENE	.06	3	.02	.31	.818
W					
SC1_RECODE BY HISPAN	.00	1	.00	.00	.971
IC					
SC1_RECODE BY CHS	.01	1	.01	.14	.706
SC1_RECODE BY GANG	.05	1	.05	.79	.375
SC1_RECODE BY OFFTYP	.60	3	.20	3.04	.028
ENEW					
(Model)	2.97	21	.14	2.16	.002
(Total)	111.28	1678	.07		
R-Squared =	.027				
Adjusted R-Squared =	.014				

***** Analysis of Variance -- Design 2 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 2 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.86	1657	.07		
SC4_RECODE	.01	1	.01	.11	.742
GENDER	.32	1	.32	4.92	.027
RACENEW	.82	3	.27	4.15	.006
HISPANIC	.01	1	.01	.13	.715
CHS	.05	1	.05	.74	.389
GANG	.08	1	.08	1.27	.259
OFFTYPENEW	.68	3	.23	3.43	.016
SC4_RECODE BY GENDER	.15	1	.15	2.35	.126
SC4_RECODE BY RACENE	.14	3	.05	.72	.543

```

W
SC4_RECODE BY HISPAN      .07    1    .07    1.04    .308
IC
SC4_RECODE BY CHS         .00    1    .00    .04    .839
SC4_RECODE BY GANG        .03    1    .03    .53    .467
SC4_RECODE BY OFFTYP      .05    3    .02    .26    .856
ENEW
(Model)                   2.42   21    .12    1.75    .019
(Total)                   111.28 1678    .07
R-Squared =               .022
Adjusted R-Squared =      .009

```

***** Analysis of Variance -- Design 3 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 3 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.83	1657	.07		
SC7_RECODE	.17	1	.17	2.51	.113
GENDER	.27	1	.27	4.05	.044
RACENEW	.79	3	.26	4.00	.008
HISPANIC	.01	1	.01	.12	.728
CHS	.10	1	.10	1.45	.229
GANG	.06	1	.06	.89	.346
OFFTYPENEW	.62	3	.21	3.15	.024
SC7_RECODE BY GENDER	.01	1	.01	.09	.767
SC7_RECODE BY RACENE	.10	3	.03	.50	.683
W					
SC7_RECODE BY HISPAN	.00	1	.00	.03	.874
IC					
SC7_RECODE BY CHS	.15	1	.15	2.33	.127
SC7_RECODE BY GANG	.04	1	.04	.60	.441
SC7_RECODE BY OFFTYP	.15	3	.05	.75	.520
ENEW					
(Model)	2.45	21	.12	1.78	.016
(Total)	111.28	1678	.07		
R-Squared =	.022				
Adjusted R-Squared =	.010				

***** Analysis of Variance -- Design 4 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 4 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.72	1657	.07		
SC8_RECODE	.02	1	.02	.30	.584

GENDER	.33	1	.33	5.08	.024
RACENEW	.78	3	.26	3.98	.008
HISPANIC	.01	1	.01	.13	.722
CHS	.05	1	.05	.75	.387
GANG	.08	1	.08	1.24	.265
OFFTYPENEW	.66	3	.22	3.37	.018
SC8_RECODE BY GENDER	.01	1	.01	.20	.655
SC8_RECODE BY RACENE	.29	3	.10	1.47	.220
W					
SC8_RECODE BY HISPAN	.00	1	.00	.01	.926
IC					
SC8_RECODE BY CHS	.02	1	.02	.33	.565
SC8_RECODE BY GANG	.00	1	.00	.00	.981
SC8_RECODE BY OFFTYP	.29	3	.10	1.49	.214
ENEW					
(Model)	2.56	21	.12	1.86	.010
(Total)	111.28	1678	.07		
R-Squared =	.023				
Adjusted R-Squared =	.011				

***** Analysis of Variance -- Design 5 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable

0 Covariates

***** Analysis of Variance -- Design 5 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.37	1657	.07		
SC2_RECODE	.01	1	.01	.13	.716
GENDER	.34	1	.34	5.23	.022
RACENEW	.82	3	.27	4.16	.006
HISPANIC	.01	1	.01	.14	.706
CHS	.04	1	.04	.54	.461
GANG	.08	1	.08	1.23	.268
OFFTYPENEW	.67	3	.22	3.43	.017
SC2_RECODE BY GENDER	.00	1	.00	.00	.953
SC2_RECODE BY RACENE	.16	3	.05	.79	.497
W					
SC2_RECODE BY HISPAN	.00	1	.00	.00	.944
IC					
SC2_RECODE BY CHS	.55	1	.55	8.35	.004
SC2_RECODE BY GANG	.06	1	.06	.89	.346
SC2_RECODE BY OFFTYP	.18	3	.06	.92	.432
ENEW					
(Model)	2.90	21	.14	2.11	.002
(Total)	111.28	1678	.07		
R-Squared =	.026				
Adjusted R-Squared =	.014				

***** Analysis of Variance -- Design 6 *****

Order of Variables for Analysis

Variates Covariates

SC6_Reco

1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 6 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.67	1657	.07		
SC3_RECODE	.09	1	.09	1.33	.248
GENDER	.32	1	.32	4.93	.027
RACENEW	.85	3	.28	4.34	.005
HISPANIC	.01	1	.01	.19	.662
CHS	.05	1	.05	.69	.405
GANG	.09	1	.09	1.42	.233
OFFTYPENEW	.64	3	.21	3.27	.020
SC3_RECODE BY GENDER	.10	1	.10	1.48	.224
SC3_RECODE BY RACENE	.22	3	.07	1.12	.341
W					
SC3_RECODE BY HISPAN	.01	1	.01	.11	.740
IC					
SC3_RECODE BY CHS	.01	1	.01	.09	.769
SC3_RECODE BY GANG	.05	1	.05	.79	.373
SC3_RECODE BY OFFTYP	.17	3	.06	.84	.470
ENEW					
(Model)	2.61	21	.12	1.89	.009
(Total)	111.28	1678	.07		
R-Squared =	.023				
Adjusted R-Squared =	.011				

***** Analysis of Variance -- Design 7 *****

Order of Variables for Analysis

Variates Covariates
SC6_Reco
1 Dependent Variable
0 Covariates

***** Analysis of Variance -- Design 7 *****

Tests of Significance for SC6_Recode_2 using SEQUENTIAL Sums of Squares

Source of Variation	SS	DF	MS	F	Sig of F
WITHIN+RESIDUAL	108.58	1657	.07		
SC5_RECODE	.04	1	.04	.60	.440
GENDER	.32	1	.32	4.89	.027
RACENEW	.76	3	.25	3.87	.009
HISPANIC	.01	1	.01	.11	.735
CHS	.06	1	.06	.92	.338
GANG	.07	1	.07	1.10	.294
OFFTYPENEW	.67	3	.22	3.42	.017
SC5_RECODE BY GENDER	.00	1	.00	.00	.969
SC5_RECODE BY RACENE	.14	3	.05	.74	.530
W					
SC5_RECODE BY HISPAN	.01	1	.01	.16	.692
IC					
SC5_RECODE BY CHS	.20	1	.20	2.99	.084
SC5_RECODE BY GANG	.01	1	.01	.10	.757
SC5_RECODE BY OFFTYP	.41	3	.14	2.09	.100
ENEW					
(Model)	2.70	21	.13	1.96	.006

(Total) 111.28 1678 .07
R-Squared = .024
Adjusted R-Squared = .012

Abbreviated Extended

Name Name

SC6_Reco SC6_Recode_2

Appendix T: Roy-Bargman Stepdown Analysis

SPSS Syntax:

```

MANOVA
SC1_Recode,SC4_Recode,SC7_Recode,SC8_Recode,SC2_Recode,SC3_Recode,SC5_Recode,SC6_Recode BY
GENDER(0,1),RACENEW(0,3),HISPANIC(0,1),CHS(0,1),GANG(0,1),OFFTYPENEW(0,3)
/PRINT=SIGNIF(STEPDOWN) ERROR(COR),
HOMOGENEITY(BARTLETT,COCHRAN,BOXM)
/METHOD=SEQUENTIAL
/DESIGN GENDER RACENEW HISPANIC CHS GANG OFFTYPENEW.

```

```

Imputation_: 1
***** Analysis of Variance -- Design 1 *****
1679 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
95 non-empty cells.

```

```

***** Analysis of Variance -- Design 1 *****
EFFECT .. OFFTYPENEW

```

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.17446	12.83468	24.00	4989.00	.000
Hotellings	.18834	13.02431	24.00	4979.00	.000
Wilks	.83427	12.94166	24.00	4818.01	.000
Rois		.09758			

EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	21.17630	515.21342	7.05877	.30888	22.85271	.000
SC4_Reco	7.00654	239.00182	2.33551	.14329	16.29962	.000
SC7_Reco	14.39380	471.74693	4.79793	.28282	16.96451	.000
SC8_Reco	.84162	459.01318	.28054	.27519	1.01945	.383
SC2_Reco	1.33808	394.87725	.44603	.23674	1.88406	.130
SC3_Reco	4.07054	544.58521	1.35685	.32649	4.15587	.006
SC5_Reco	37.32984	690.15694	12.44328	.41376	30.07343	.000
SC6_Reco	.81565	109.03664	.27188	.06537	4.15917	.006

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	7.05877	.30888	22.85271	3	1668	.000
SC4_Reco	1.13409	.13196	8.59406	3	1667	.000
SC7_Reco	6.48407	.25962	24.97499	3	1666	.000
SC8_Reco	.93919	.20182	4.65368	3	1665	.003
SC2_Reco	.72236	.17706	4.07966	3	1664	.007
SC3_Reco	1.81813	.25091	7.24617	3	1663	.000
SC5_Reco	8.64019	.32092	26.92321	3	1662	.000
SC6_Reco	.19783	.06533	3.02839	3	1661	.028

```

***** Analysis of Variance -- Design 1 *****
EFFECT .. GANG

```

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.02652	5.65639	8.00	1661.00	.000
Hotellings	.02724	5.65639	8.00	1661.00	.000

Wilks .97348 5.65639 8.00 1661.00 .000
 Roys .02652
 Note.. F statistics are exact.

 EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	6.40507	515.21342	6.40507	.30888	20.73636	.000
SC4_Reco	2.09352	239.00182	2.09352	.14329	14.61073	.000
SC7_Reco	4.46552	471.74693	4.46552	.28282	15.78915	.000
SC8_Reco	5.02283	459.01318	5.02283	.27519	18.25239	.000
SC2_Reco	.61631	394.87725	.61631	.23674	2.60333	.107
SC3_Reco	4.95530	544.58521	4.95530	.32649	15.17749	.000
SC5_Reco	2.68273	690.15694	2.68273	.41376	6.48374	.011
SC6_Reco	.04872	109.03664	.04872	.06537	.74531	.388

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	6.40507	.30888	20.73636	1	1668	.000
SC4_Reco	.91146	.13196	6.90701	1	1667	.009
SC7_Reco	1.69832	.25962	6.54151	1	1666	.011
SC8_Reco	.84250	.20182	4.17460	1	1665	.041
SC2_Reco	.46789	.17706	2.64251	1	1664	.104
SC3_Reco	.75909	.25091	3.02537	1	1663	.082
SC5_Reco	.00544	.32092	.01697	1	1662	.896
SC6_Reco	.05984	.06533	.91596	1	1661	.339

***** Analysis of Variance -- Design 1 *****

EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07957	17.94961	8.00	1661.00	.000
Hotellings	.08645	17.94961	8.00	1661.00	.000
Wilks	.92043	17.94961	8.00	1661.00	.000

Roys .07957
 Note.. F statistics are exact.

 EFFECT .. CHS (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	19.16353	515.21342	19.16353	.30888	62.04180	.000
SC4_Reco	3.87362	239.00182	3.87362	.14329	27.03410	.000
SC7_Reco	17.70418	471.74693	17.70418	.28282	62.59834	.000
SC8_Reco	5.69054	459.01318	5.69054	.27519	20.67876	.000
SC2_Reco	22.55862	394.87725	22.55862	.23674	95.28980	.000
SC3_Reco	4.16502	544.58521	4.16502	.32649	12.75695	.000
SC5_Reco	4.74819	690.15694	4.74819	.41376	11.47563	.001
SC6_Reco	.15941	109.03664	.15941	.06537	2.43854	.119

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	19.16353	.30888	62.04180	1	1668	.000
SC4_Reco	1.22464	.13196	9.28022	1	1667	.002
SC7_Reco	8.43113	.25962	32.47459	1	1666	.000
SC8_Reco	.00000	.20182	.00000	1	1665	.999
SC2_Reco	5.04507	.17706	28.49286	1	1664	.000

SC3_Reco	.81850	.25091	3.26214	1	1663	.071
SC5_Reco	.55761	.32092	1.73755	1	1662	.188
SC6_Reco	.16917	.06533	2.58954	1	1661	.108

***** Analysis of Variance -- Design 1 *****

EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00638	1.33408	8.00	1661.00	.222
Hotellings	.00643	1.33408	8.00	1661.00	.222
Wilks	.99362	1.33408	8.00	1661.00	.222

Rois .00638

Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.28354	515.21342	.28354	.30888	.91794	.338
SC4_Reco	.12185	239.00182	.12185	.14329	.85041	.357
SC7_Reco	.13996	471.74693	.13996	.28282	.49486	.482
SC8_Reco	.09328	459.01318	.09328	.27519	.33898	.560
SC2_Reco	.88499	394.87725	.88499	.23674	3.73828	.053
SC3_Reco	2.35498	544.58521	2.35498	.32649	7.21304	.007
SC5_Reco	.40173	690.15694	.40173	.41376	.97093	.325
SC6_Reco	.08491	109.03664	.08491	.06537	1.29895	.255

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.28354	.30888	.91794	1	1668	.338
SC4_Reco	.06086	.13196	.46117	1	1667	.497
SC7_Reco	.03771	.25962	.14523	1	1666	.703
SC8_Reco	.00240	.20182	.01187	1	1665	.913
SC2_Reco	.43509	.17706	2.45722	1	1664	.117
SC3_Reco	1.27826	.25091	5.09450	1	1663	.024
SC5_Reco	.00670	.32092	.02087	1	1662	.885
SC6_Reco	.10170	.06533	1.55687	1	1661	.212

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2 , N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07176	5.09427	24.00	4989.00	.000
Hotellings	.07654	5.29284	24.00	4979.00	.000
Wilks	.92858	5.19469	24.00	4818.01	.000

Rois .06667

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	25.26328	515.21342	8.42109	.30888	27.26323	.000
SC4_Reco	3.38419	239.00182	1.12806	.14329	7.87278	.000
SC7_Reco	.11278	471.74693	.03759	.28282	.13292	.940
SC8_Reco	1.15544	459.01318	.38515	.27519	1.39958	.241
SC2_Reco	2.64214	394.87725	.88071	.23674	3.72022	.011
SC3_Reco	6.29477	544.58521	2.09826	.32649	6.42672	.000

SC5_Reco	11.89454	690.15694	3.96485	.41376	9.58241	.000
SC6_Reco	.54654	109.03664	.18218	.06537	2.78693	.039

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.42109	.30888	27.26323	3	1668	.000
SC4_Reco	.26390	.13196	1.99980	3	1667	.112
SC7_Reco	.46090	.25962	1.77527	3	1666	.150
SC8_Reco	.69507	.20182	3.44411	3	1665	.016
SC2_Reco	.15918	.17706	.89897	3	1664	.441
SC3_Reco	.67543	.25091	2.69194	3	1663	.045
SC5_Reco	.23006	.32092	.71687	3	1662	.542
SC6_Reco	.19936	.06533	3.05181	3	1661	.028

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05472	12.01997	8.00	1661.00	.000
Hotellings	.05789	12.01997	8.00	1661.00	.000
Wilks	.94528	12.01997	8.00	1661.00	.000

Rois .05472

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.51155	515.21342	2.51155	.30888	8.13112	.004
SC4_Reco	.08495	239.00182	.08495	.14329	.59283	.441
SC7_Reco	11.38732	471.74693	11.38732	.28282	40.26322	.000
SC8_Reco	1.30605	459.01318	1.30605	.27519	4.74604	.030
SC2_Reco	7.55526	394.87725	7.55526	.23674	31.91417	.000
SC3_Reco	.00695	544.58521	.00695	.32649	.02129	.884
SC5_Reco	.00017	690.15694	.00017	.41376	.00040	.984
SC6_Reco	.25550	109.03664	.25550	.06537	3.90858	.048

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.51155	.30888	8.13112	1	1668	.004
SC4_Reco	.35344	.13196	2.67837	1	1667	.102
SC7_Reco	12.59969	.25962	48.53079	1	1666	.000
SC8_Reco	.13462	.20182	.66704	1	1665	.414
SC2_Reco	4.01291	.17706	22.66359	1	1664	.000
SC3_Reco	2.42204	.25091	9.65304	1	1663	.002
SC5_Reco	.00000	.32092	.00000	1	1662	.999
SC6_Reco	.14987	.06533	2.29422	1	1661	.130

Imputation: 2

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

102 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.17201	12.64363	24.00	4989.00	.000
Hotellings	.18588	12.85437	24.00	4979.00	.000
Wilks	.83632	12.76118	24.00	4818.01	.000
Rois			.09590		

EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	24.84925	513.22876	8.28308	.30769	26.92013	.000
SC4_Reco	7.08240	238.69733	2.36080	.14310	16.49710	.000
SC7_Reco	15.62993	472.65500	5.20998	.28337	18.38601	.000
SC8_Reco	.59540	452.54814	.19847	.27131	.73151	.533
SC2_Reco	1.71056	397.93201	.57019	.23857	2.39003	.067
SC3_Reco	4.66500	541.01196	1.55500	.32435	4.79424	.002
SC5_Reco	29.82200	697.92805	9.94067	.41842	23.75751	.000
SC6_Reco	1.09876	108.94825	.36625	.06532	5.60735	.001

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.28308	.30769	26.92013	3	1668	.000
SC4_Reco	1.20025	.13097	9.16455	3	1667	.000
SC7_Reco	6.75092	.25955	26.01031	3	1666	.000
SC8_Reco	.36000	.20042	1.79618	3	1665	.146
SC2_Reco	.97698	.17920	5.45200	3	1664	.001
SC3_Reco	1.88553	.25037	7.53105	3	1663	.000
SC5_Reco	6.24411	.32214	19.38326	3	1662	.000
SC6_Reco	.30612	.06530	4.68822	3	1661	.003

***** Analysis of Variance -- Design 1 *****

EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.01550	3.26865	8.00	1661.00	.001
Hotellings	.01574	3.26865	8.00	1661.00	.001
Wilks	.98450	3.26865	8.00	1661.00	.001
Rois			.01550		

Note.. F statistics are exact.

EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.30140	513.22876	2.30140	.30769	7.47957	.006
SC4_Reco	.31266	238.69733	.31266	.14310	2.18488	.140
SC7_Reco	3.61000	472.65500	3.61000	.28337	12.73969	.000
SC8_Reco	3.08949	452.54814	3.08949	.27131	11.38724	.001
SC2_Reco	1.12182	397.93201	1.12182	.23857	4.70229	.030
SC3_Reco	4.79318	541.01196	4.79318	.32435	14.77790	.000
SC5_Reco	.12860	697.92805	.12860	.41842	.30734	.579
SC6_Reco	.01199	108.94825	.01199	.06532	.18349	.668

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.30140	.30769	7.47957	1	1668	.006
SC4_Reco	.06570	.13097	.50162	1	1667	.479
SC7_Reco	2.24483	.25955	8.64900	1	1666	.003
SC8_Reco	.62583	.20042	3.12253	1	1665	.077
SC2_Reco	.00025	.17920	.00139	1	1664	.970
SC3_Reco	1.28119	.25037	5.11723	1	1663	.024
SC5_Reco	.35474	.32214	1.10121	1	1662	.294
SC6_Reco	.00631	.06530	.09661	1	1661	.756

***** Analysis of Variance -- Design 1 *****
EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)					
Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.08662	19.69087	8.00	1661.00	.000
Hotellings	.09484	19.69087	8.00	1661.00	.000
Wilks	.91338	19.69087	8.00	1661.00	.000

Roys .08662
Note.. F statistics are exact.

EFFECT .. CHS (Cont.)						
Univariate F-tests with (1,1668) D. F.						
Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	24.09257	513.22876	24.09257	.30769	78.30117	.000
SC4_Reco	4.22776	238.69733	4.22776	.14310	29.54329	.000
SC7_Reco	20.84491	472.65500	20.84491	.28337	73.56172	.000
SC8_Reco	9.86234	452.54814	9.86234	.27131	36.35058	.000
SC2_Reco	22.12991	397.93201	22.12991	.23857	92.76128	.000
SC3_Reco	6.25945	541.01196	6.25945	.32435	19.29857	.000
SC5_Reco	4.09861	697.92805	4.09861	.41842	9.79541	.002
SC6_Reco	.10983	108.94825	.10983	.06532	1.68151	.195

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	24.09257	.30769	78.30117	1	1668	.000
SC4_Reco	1.11023	.13097	8.47720	1	1667	.004
SC7_Reco	9.79259	.25955	37.72944	1	1666	.000
SC8_Reco	.36680	.20042	1.83009	1	1665	.176
SC2_Reco	3.63811	.17920	20.30240	1	1664	.000
SC3_Reco	.34929	.25037	1.39513	1	1663	.238
SC5_Reco	1.17009	.32214	3.63225	1	1662	.057
SC6_Reco	.11052	.06530	1.69260	1	1661	.193

***** Analysis of Variance -- Design 1 *****
EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)					
Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00343	.71397	8.00	1661.00	.679
Hotellings	.00344	.71397	8.00	1661.00	.679
Wilks	.99657	.71397	8.00	1661.00	.679

Roys .00343
Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.47882	513.22876	.47882	.30769	1.55616	.212
SC4_Reco	.02043	238.69733	.02043	.14310	.14277	.706
SC7_Reco	.01396	472.65500	.01396	.28337	.04927	.824
SC8_Reco	.03063	452.54814	.03063	.27131	.11290	.737
SC2_Reco	.66587	397.93201	.66587	.23857	2.79110	.095
SC3_Reco	.62602	541.01196	.62602	.32435	1.93008	.165
SC5_Reco	.56165	697.92805	.56165	.41842	1.34230	.247
SC6_Reco	.00204	108.94825	.00204	.06532	.03126	.860

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.47882	.30769	1.55616	1	1668	.212
SC4_Reco	.00003	.13097	.00020	1	1667	.989
SC7_Reco	.00108	.25955	.00416	1	1666	.949
SC8_Reco	.07313	.20042	.36489	1	1665	.546
SC2_Reco	.42652	.17920	2.38017	1	1664	.123
SC3_Reco	.28294	.25037	1.13011	1	1663	.288
SC5_Reco	.07601	.32214	.23596	1	1662	.627
SC6_Reco	.00303	.06530	.04637	1	1661	.830

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2 , N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07089	5.03131	24.00	4989.00	.000
Hotellings	.07562	5.22921	24.00	4979.00	.000
Wilks	.92941	5.13134	24.00	4818.01	.000
Roys		.06633			

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	25.69751	513.22876	8.56584	.30769	27.83907	.000
SC4_Reco	2.89939	238.69733	.96646	.14310	6.75358	.000
SC7_Reco	.11166	472.65500	.03722	.28337	.13135	.941
SC8_Reco	1.09208	452.54814	.36403	.27131	1.34173	.259
SC2_Reco	2.71540	397.93201	.90513	.23857	3.79402	.010
SC3_Reco	7.08002	541.01196	2.36001	.32435	7.27617	.000
SC5_Reco	12.52074	697.92805	4.17358	.41842	9.97457	.000
SC6_Reco	.53841	108.94825	.17947	.06532	2.74770	.042

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.56584	.30769	27.83907	3	1668	.000
SC4_Reco	.17452	.13097	1.33254	3	1667	.262
SC7_Reco	.38309	.25955	1.47599	3	1666	.219
SC8_Reco	.63737	.20042	3.18010	3	1665	.023
SC2_Reco	.14867	.17920	.82965	3	1664	.477
SC3_Reco	.75877	.25037	3.03064	3	1663	.028
SC5_Reco	.24199	.32214	.75119	3	1662	.522
SC6_Reco	.19140	.06530	2.93132	3	1661	.032

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05595	12.30524	8.00	1661.00	.000
Hotellings	.05927	12.30524	8.00	1661.00	.000
Wilks	.94405	12.30524	8.00	1661.00	.000

Roys .05595

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.29030	513.22876	2.29030	.30769	7.44349	.006
SC4_Reco	.01718	238.69733	.01718	.14310	.12003	.729
SC7_Reco	11.61469	472.65500	11.61469	.28337	40.98827	.000
SC8_Reco	1.63282	452.54814	1.63282	.27131	6.01822	.014
SC2_Reco	8.70129	397.93201	8.70129	.23857	36.47296	.000
SC3_Reco	.01151	541.01196	.01151	.32435	.03548	.851
SC5_Reco	.00474	697.92805	.00474	.41842	.01134	.915
SC6_Reco	.13238	108.94825	.13238	.06532	2.02668	.155

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.29030	.30769	7.44349	1	1668	.006
SC4_Reco	.18632	.13097	1.42266	1	1667	.233
SC7_Reco	13.01558	.25955	50.14713	1	1666	.000
SC8_Reco	.02763	.20042	.13787	1	1665	.710
SC2_Reco	4.92530	.17920	27.48558	1	1664	.000
SC3_Reco	2.30031	.25037	9.18772	1	1663	.002
SC5_Reco	.01442	.32214	.04477	1	1662	.832
SC6_Reco	.06649	.06530	1.01824	1	1661	.313

Imputation: 3

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

99 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2 , N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.19060	14.10269	24.00	4989.00	.000
Hotellings	.20643	14.27518	24.00	4979.00	.000
Wilks	.82014	14.20422	24.00	4818.01	.000

Roys .09806

EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	24.39300	515.16625	8.13100	.30885	26.32647	.000
SC4_Reco	8.01904	238.65995	2.67301	.14308	18.68175	.000
SC7_Reco	15.82505	471.57975	5.27502	.28272	18.65798	.000
SC8_Reco	1.01727	458.98495	.33909	.27517	1.23229	.296

SC2_Reco	1.06695	398.61467	.35565	.23898	1.48822	.216
SC3_Reco	4.20538	539.72758	1.40179	.32358	4.33216	.005
SC5_Reco	36.65363	689.49373	12.21788	.41337	29.55707	.000
SC6_Reco	1.12355	105.74745	.37452	.06340	5.90740	.001

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.13100	.30885	26.32647	3	1668	.000
SC4_Reco	1.51634	.13116	11.56053	3	1667	.000
SC7_Reco	6.92579	.25844	26.79859	3	1666	.000
SC8_Reco	1.15450	.20156	5.72789	3	1665	.001
SC2_Reco	.85940	.17795	4.82945	3	1664	.002
SC3_Reco	1.69700	.24878	6.82123	3	1663	.000
SC5_Reco	8.04830	.32014	25.13994	3	1662	.000
SC6_Reco	.30855	.06342	4.86520	3	1661	.002

***** Analysis of Variance -- Design 1 *****

EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.01611	3.39994	8.00	1661.00	.001
Hotellings	.01638	3.39994	8.00	1661.00	.001
Wilks	.98389	3.39994	8.00	1661.00	.001

Roys .01611

Note.. F statistics are exact.

EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.57511	515.16625	2.57511	.30885	8.33766	.004
SC4_Reco	.42064	238.65995	.42064	.14308	2.93987	.087
SC7_Reco	3.12876	471.57975	3.12876	.28272	11.06657	.001
SC8_Reco	2.91861	458.98495	2.91861	.27517	10.60655	.001
SC2_Reco	.77307	398.61467	.77307	.23898	3.23491	.072
SC3_Reco	4.92604	539.72758	4.92604	.32358	15.22366	.000
SC5_Reco	.02398	689.49373	.02398	.41337	.05802	.810
SC6_Reco	.00172	105.74745	.00172	.06340	.02709	.869

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.57511	.30885	8.33766	1	1668	.004
SC4_Reco	.10989	.13116	.83779	1	1667	.360
SC7_Reco	1.74069	.25844	6.73540	1	1666	.010
SC8_Reco	.55414	.20156	2.74929	1	1665	.097
SC2_Reco	.02771	.17795	.15572	1	1664	.693
SC3_Reco	1.50780	.24878	6.06070	1	1663	.014
SC5_Reco	.68378	.32014	2.13588	1	1662	.144
SC6_Reco	.00568	.06342	.08951	1	1661	.765

***** Analysis of Variance -- Design 1 *****

EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07701	17.32258	8.00	1661.00	.000
Hotellings	.08343	17.32258	8.00	1661.00	.000

Wilks .92299 17.32258 8.00 1661.00 .000
 Roys .07701
 Note.. F statistics are exact.

 EFFECT .. CHS (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	20.29856	515.16625	20.29856	.30885	65.72248	.000
SC4_Reco	2.77220	238.65995	2.77220	.14308	19.37495	.000
SC7_Reco	19.58054	471.57975	19.58054	.28272	69.25729	.000
SC8_Reco	8.12097	458.98495	8.12097	.27517	29.51245	.000
SC2_Reco	19.62015	398.61467	19.62015	.23898	82.10038	.000
SC3_Reco	3.56173	539.72758	3.56173	.32358	11.00734	.001
SC5_Reco	5.44349	689.49373	5.44349	.41337	13.16872	.000
SC6_Reco	.23153	105.74745	.23153	.06340	3.65195	.056

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	20.29856	.30885	65.72248	1	1668	.000
SC4_Reco	.58099	.13116	4.42947	1	1667	.035
SC7_Reco	9.91597	.25844	38.36879	1	1666	.000
SC8_Reco	.16936	.20156	.84027	1	1665	.359
SC2_Reco	3.29251	.17795	18.50249	1	1664	.000
SC3_Reco	.95894	.24878	3.85453	1	1663	.050
SC5_Reco	.16971	.32014	.53011	1	1662	.467
SC6_Reco	.19705	.06342	3.10711	1	1661	.078

***** Analysis of Variance -- Design 1 *****

EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00682	1.42670	8.00	1661.00	.180
Hotellings	.00687	1.42670	8.00	1661.00	.180
Wilks	.99318	1.42670	8.00	1661.00	.180

Roys .00682

Note.. F statistics are exact.

 EFFECT .. HISPANIC (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.71165	515.16625	.71165	.30885	2.30416	.129
SC4_Reco	.24306	238.65995	.24306	.14308	1.69875	.193
SC7_Reco	.12840	471.57975	.12840	.28272	.45414	.500
SC8_Reco	.03624	458.98495	.03624	.27517	.13169	.717
SC2_Reco	1.14002	398.61467	1.14002	.23898	4.77040	.029
SC3_Reco	1.92902	539.72758	1.92902	.32358	5.96153	.015
SC5_Reco	1.86024	689.49373	1.86024	.41337	4.50024	.034
SC6_Reco	.03042	105.74745	.03042	.06340	.47980	.489

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.71165	.30885	2.30416	1	1668	.129
SC4_Reco	.10663	.13116	.81291	1	1667	.367
SC7_Reco	.00696	.25844	.02694	1	1666	.870
SC8_Reco	.01152	.20156	.05717	1	1665	.811

SC2_Reco	.51633	.17795	2.90158	1	1664	.089
SC3_Reco	.83745	.24878	3.36619	1	1663	.067
SC5_Reco	.42971	.32014	1.34227	1	1662	.247
SC6_Reco	.03771	.06342	.59459	1	1661	.441

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07330	5.20617	24.00	4989.00	.000
Hotellings	.07842	5.42276	24.00	4979.00	.000
Wilks	.92700	5.31559	24.00	4818.01	.000
Rois			.06897		

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	25.03817	515.16625	8.34606	.30885	27.02277	.000
SC4_Reco	3.36322	238.65995	1.12107	.14308	7.83520	.000
SC7_Reco	.16154	471.57975	.05385	.28272	.19046	.903
SC8_Reco	1.09234	458.98495	.36411	.27517	1.32323	.265
SC2_Reco	1.64099	398.61467	.54700	.23898	2.28890	.077
SC3_Reco	7.12559	539.72758	2.37520	.32358	7.34042	.000
SC5_Reco	13.25698	689.49373	4.41899	.41337	10.69028	.000
SC6_Reco	.71816	105.74745	.23939	.06340	3.77595	.010

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.34606	.30885	27.02277	3	1668	.000
SC4_Reco	.24085	.13116	1.83625	3	1667	.139
SC7_Reco	.47123	.25844	1.82337	3	1666	.141
SC8_Reco	.70047	.20156	3.47526	3	1665	.015
SC2_Reco	.09693	.17795	.54471	3	1664	.652
SC3_Reco	.84680	.24878	3.40378	3	1663	.017
SC5_Reco	.28442	.32014	.88843	3	1662	.446
SC6_Reco	.24008	.06342	3.78563	3	1661	.010

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05337	11.70560	8.00	1661.00	.000
Hotellings	.05638	11.70560	8.00	1661.00	.000
Wilks	.94663	11.70560	8.00	1661.00	.000
Rois			.05337		

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.65169	515.16625	2.65169	.30885	8.58562	.003
SC4_Reco	.10506	238.65995	.10506	.14308	.73428	.392
SC7_Reco	10.14768	471.57975	10.14768	.28272	35.89281	.000
SC8_Reco	1.87661	458.98495	1.87661	.27517	6.81980	.009
SC2_Reco	7.06498	398.61467	7.06498	.23898	29.56334	.000
SC3_Reco	.05822	539.72758	.05822	.32358	.17991	.672

SC5_Reco	.00208	689.49373	.00208	.41337	.00504	.943
SC6_Reco	.27434	105.74745	.27434	.06340	4.32729	.038

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.65169	.30885	8.58562	1	1668	.003
SC4_Reco	.41395	.13116	3.15598	1	1667	.076
SC7_Reco	11.32334	.25844	43.81444	1	1666	.000
SC8_Reco	.00171	.20156	.00847	1	1665	.927
SC2_Reco	3.92907	.17795	22.07971	1	1664	.000
SC3_Reco	2.67612	.24878	10.75687	1	1663	.001
SC5_Reco	.01973	.32014	.06164	1	1662	.804
SC6_Reco	.23099	.06342	3.64217	1	1661	.057

Imputation_: 4

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

101 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.19629	14.55330	24.00	4989.00	.000
Hotellings	.21418	14.81106	24.00	4979.00	.000
Wilks	.81470	14.69843	24.00	4818.01	.000
		Roys	.10737		

EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	25.93422	517.08648	8.64474	.31000	27.88591	.000
SC4_Reco	8.65822	239.81143	2.88607	.14377	20.07398	.000
SC7_Reco	14.59521	464.54449	4.86507	.27850	17.46859	.000
SC8_Reco	1.83359	448.83084	.61120	.26908	2.27141	.078
SC2_Reco	1.01174	400.74213	.33725	.24025	1.40371	.240
SC3_Reco	4.30035	541.84724	1.43345	.32485	4.41267	.004
SC5_Reco	38.45318	691.35974	12.81773	.41448	30.92452	.000
SC6_Reco	1.55934	107.95202	.51978	.06472	8.03128	.000

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.64474	.31000	27.88591	3	1668	.000
SC4_Reco	1.41707	.13206	10.73017	3	1667	.000
SC7_Reco	6.84879	.25428	26.93363	3	1666	.000
SC8_Reco	.89755	.19830	4.52627	3	1665	.004
SC2_Reco	.77976	.18088	4.31102	3	1664	.005
SC3_Reco	1.68283	.24751	6.79898	3	1663	.000
SC5_Reco	8.80365	.31970	27.53731	3	1662	.000
SC6_Reco	.46676	.06468	7.21604	3	1661	.000

***** Analysis of Variance -- Design 1 *****

EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.01527	3.21964	8.00	1661.00	.001
Hotellings	.01551	3.21964	8.00	1661.00	.001
Wilks	.98473	3.21964	8.00	1661.00	.001

Rois .01527

Note.. F statistics are exact.

EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.33569	517.08648	2.33569	.31000	7.53440	.006
SC4_Reco	.42470	239.81143	.42470	.14377	2.95402	.086
SC7_Reco	2.92520	464.54449	2.92520	.27850	10.50327	.001
SC8_Reco	3.41899	448.83084	3.41899	.26908	12.70608	.000
SC2_Reco	.57241	400.74213	.57241	.24025	2.38254	.123
SC3_Reco	4.77384	541.84724	4.77384	.32485	14.69558	.000
SC5_Reco	.49915	691.35974	.49915	.41448	1.20427	.273
SC6_Reco	.00051	107.95202	.00051	.06472	.00795	.929

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.33569	.31000	7.53440	1	1668	.006
SC4_Reco	.12453	.13206	.94297	1	1667	.332
SC7_Reco	1.62067	.25428	6.37346	1	1666	.012
SC8_Reco	.87380	.19830	4.40648	1	1665	.036
SC2_Reco	.06845	.18088	.37842	1	1664	.539
SC3_Reco	1.44086	.24751	5.82138	1	1663	.016
SC5_Reco	.06905	.31970	.21598	1	1662	.642
SC6_Reco	.00027	.06468	.00419	1	1661	.948

***** Analysis of Variance -- Design 1 *****

EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.09252	21.16884	8.00	1661.00	.000
Hotellings	.10196	21.16884	8.00	1661.00	.000
Wilks	.90748	21.16884	8.00	1661.00	.000

Rois .09252

Note.. F statistics are exact.

EFFECT .. CHS (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	22.14590	517.08648	22.14590	.31000	71.43750	.000
SC4_Reco	2.77526	239.81143	2.77526	.14377	19.30320	.000
SC7_Reco	22.06174	464.54449	22.06174	.27850	79.21519	.000
SC8_Reco	11.42603	448.83084	11.42603	.26908	42.46279	.000
SC2_Reco	24.80992	400.74213	24.80992	.24025	103.26577	.000
SC3_Reco	2.86310	541.84724	2.86310	.32485	8.81365	.003
SC5_Reco	5.37068	691.35974	5.37068	.41448	12.95749	.000
SC6_Reco	.27543	107.95202	.27543	.06472	4.25577	.039

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	22.14590	.31000	71.43750	1	1668	.000
SC4_Reco	.53694	.13206	4.06574	1	1667	.044
SC7_Reco	11.38446	.25428	44.77063	1	1666	.000
SC8_Reco	.76662	.19830	3.86597	1	1665	.049
SC2_Reco	4.87535	.18088	26.95412	1	1664	.000
SC3_Reco	2.00027	.24751	8.08151	1	1663	.005
SC5_Reco	.30071	.31970	.94060	1	1662	.332
SC6_Reco	.25768	.06468	3.98366	1	1661	.046

***** Analysis of Variance -- Design 1 *****

EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00516	1.07722	8.00	1661.00	.376
Hotellings	.00519	1.07722	8.00	1661.00	.376
Wilks	.99484	1.07722	8.00	1661.00	.376

Roys .00516

Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.33198	517.08648	.33198	.31000	1.07088	.301
SC4_Reco	.11539	239.81143	.11539	.14377	.80258	.370
SC7_Reco	.05422	464.54449	.05422	.27850	.19469	.659
SC8_Reco	.08075	448.83084	.08075	.26908	.30009	.584
SC2_Reco	.71284	400.74213	.71284	.24025	2.96702	.085
SC3_Reco	1.60497	541.84724	1.60497	.32485	4.94068	.026
SC5_Reco	.84033	691.35974	.84033	.41448	2.02740	.155
SC6_Reco	.06339	107.95202	.06339	.06472	.97953	.322

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.33198	.31000	1.07088	1	1668	.301
SC4_Reco	.05165	.13206	.39110	1	1667	.532
SC7_Reco	.00199	.25428	.00782	1	1666	.930
SC8_Reco	.00822	.19830	.04144	1	1665	.839
SC2_Reco	.35029	.18088	1.93662	1	1664	.164
SC3_Reco	.85027	.24751	3.43526	1	1663	.064
SC5_Reco	.16460	.31970	.51485	1	1662	.473
SC6_Reco	.07873	.06468	1.21708	1	1661	.270

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07271	5.16332	24.00	4989.00	.000
Hotellings	.07747	5.35725	24.00	4979.00	.000
Wilks	.92771	5.26149	24.00	4818.01	.000

Roys .06652

EFFECT .. RACENEW (Cont.)
Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	26.24402	517.08648	8.74801	.31000	28.21902	.000
SC4_Reco	3.07663	239.81143	1.02554	.14377	7.13314	.000
SC7_Reco	.15211	464.54449	.05070	.27850	.18205	.909
SC8_Reco	.97493	448.83084	.32498	.26908	1.20772	.305
SC2_Reco	1.98335	400.74213	.66112	.24025	2.75175	.041
SC3_Reco	5.07311	541.84724	1.69104	.32485	5.20562	.001
SC5_Reco	12.40567	691.35974	4.13522	.41448	9.97679	.000
SC6_Reco	.61304	107.95202	.20435	.06472	3.15743	.024

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.74801	.31000	28.21902	3	1668	.000
SC4_Reco	.20650	.13206	1.56367	3	1667	.196
SC7_Reco	.58180	.25428	2.28798	3	1666	.077
SC8_Reco	.56102	.19830	2.82917	3	1665	.037
SC2_Reco	.14435	.18088	.79805	3	1664	.495
SC3_Reco	.56044	.24751	2.26429	3	1663	.079
SC5_Reco	.29379	.31970	.91896	3	1662	.431
SC6_Reco	.22813	.06468	3.52690	3	1661	.014

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05248	11.49915	8.00	1661.00	.000
Hotellings	.05538	11.49915	8.00	1661.00	.000
Wilks	.94752	11.49915	8.00	1661.00	.000

Roys .05248

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.55237	517.08648	2.55237	.31000	8.23336	.004
SC4_Reco	.08900	239.81143	.08900	.14377	.61906	.432
SC7_Reco	11.93718	464.54449	11.93718	.27850	42.86180	.000
SC8_Reco	2.36589	448.83084	2.36589	.26908	8.79241	.003
SC2_Reco	5.89854	400.74213	5.89854	.24025	24.55135	.000
SC3_Reco	.00379	541.84724	.00379	.32485	.01167	.914
SC5_Reco	.00433	691.35974	.00433	.41448	.01045	.919
SC6_Reco	.29942	107.95202	.29942	.06472	4.62647	.032

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.55237	.31000	8.23336	1	1668	.004
SC4_Reco	.37010	.13206	2.80242	1	1667	.094
SC7_Reco	13.25034	.25428	52.10844	1	1666	.000
SC8_Reco	.00034	.19830	.00171	1	1665	.967
SC2_Reco	2.73207	.18088	15.10466	1	1664	.000
SC3_Reco	2.25151	.24751	9.09658	1	1663	.003
SC5_Reco	.02561	.31970	.08009	1	1662	.777
SC6_Reco	.21103	.06468	3.26246	1	1661	.071

Imputation_: 5
 ***** Analysis of Variance -- Design 1 *****
 1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

92 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****
 EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.19582	14.51628	24.00	4989.00	.000
Hotellings	.21405	14.80182	24.00	4979.00	.000
Wilks	.81495	14.67520	24.00	4818.01	.000
		Roys	.10930		

 EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	26.50821	512.70243	8.83607	.30738	28.74682	.000
SC4_Reco	8.37961	233.24898	2.79320	.13984	19.97465	.000
SC7_Reco	12.84938	460.43248	4.28313	.27604	15.51640	.000
SC8_Reco	1.04361	451.50071	.34787	.27068	1.28515	.278
SC2_Reco	1.21514	399.13766	.40505	.23929	1.69270	.167
SC3_Reco	7.75880	536.86032	2.58627	.32186	8.03541	.000
SC5_Reco	34.41589	690.43423	11.47196	.41393	27.71479	.000
SC6_Reco	1.48465	110.12789	.49488	.06602	7.49553	.000

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.83607	.30738	28.74682	3	1668	.000
SC4_Reco	1.34457	.12878	10.44091	3	1667	.000
SC7_Reco	6.60128	.25166	26.23133	3	1666	.000
SC8_Reco	.71926	.20047	3.58777	3	1665	.013
SC2_Reco	.92971	.17814	5.21911	3	1664	.001
SC3_Reco	2.82357	.24833	11.37022	3	1663	.000
SC5_Reco	7.60450	.32147	23.65527	3	1662	.000
SC6_Reco	.42372	.06605	6.41540	3	1661	.000

***** Analysis of Variance -- Design 1 *****
 EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.02619	5.58443	8.00	1661.00	.000
Hotellings	.02690	5.58443	8.00	1661.00	.000
Wilks	.97381	5.58443	8.00	1661.00	.000
		Roys	.02619		

Note.. F statistics are exact.

EFFECT .. GANG (Cont.)						
Univariate F-tests with (1,1668) D. F.						
Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	6.13402	512.70243	6.13402	.30738	19.95610	.000
SC4_Reco	2.06277	233.24898	2.06277	.13984	14.75118	.000
SC7_Reco	4.96289	460.43248	4.96289	.27604	17.97896	.000
SC8_Reco	4.86957	451.50071	4.86957	.27068	17.98987	.000
SC2_Reco	.83797	399.13766	.83797	.23929	3.50189	.061
SC3_Reco	4.57157	536.86032	4.57157	.32186	14.20366	.000
SC5_Reco	1.20347	690.43423	1.20347	.41393	2.90743	.088
SC6_Reco	.06069	110.12789	.06069	.06602	.91924	.338

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	6.13402	.30738	19.95610	1	1668	.000
SC4_Reco	.91990	.12878	7.14323	1	1667	.008
SC7_Reco	1.96809	.25166	7.82053	1	1666	.005
SC8_Reco	.73929	.20047	3.68771	1	1665	.055
SC2_Reco	.35710	.17814	2.00468	1	1664	.157
SC3_Reco	.49723	.24833	2.00227	1	1663	.157
SC5_Reco	.21915	.32147	.68172	1	1662	.409
SC6_Reco	.07236	.06605	1.09554	1	1661	.295

***** Analysis of Variance -- Design 1 *****						
EFFECT .. CHS						
Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)						
Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F	
Pillais	.08271	18.71997	8.00	1661.00	.000	
Hotellings	.09016	18.71997	8.00	1661.00	.000	
Wilks	.91729	18.71997	8.00	1661.00	.000	
Roys			.08271			
Note.. F statistics are exact.						

EFFECT .. CHS (Cont.)						
Univariate F-tests with (1,1668) D. F.						
Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	19.48219	512.70243	19.48219	.30738	63.38235	.000
SC4_Reco	3.00544	233.24898	3.00544	.13984	21.49235	.000
SC7_Reco	21.91900	460.43248	21.91900	.27604	79.40556	.000
SC8_Reco	7.50565	451.50071	7.50565	.27068	27.72846	.000
SC2_Reco	23.34202	399.13766	23.34202	.23929	97.54651	.000
SC3_Reco	5.52238	536.86032	5.52238	.32186	17.15777	.000
SC5_Reco	5.11544	690.43423	5.11544	.41393	12.35825	.000
SC6_Reco	.14062	110.12789	.14062	.06602	2.12984	.145

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	19.48219	.30738	63.38235	1	1668	.000
SC4_Reco	.76914	.12878	5.97251	1	1667	.015
SC7_Reco	11.45188	.25166	45.50604	1	1666	.000
SC8_Reco	.06831	.20047	.34076	1	1665	.559
SC2_Reco	4.59650	.17814	25.80344	1	1664	.000
SC3_Reco	.45834	.24833	1.84570	1	1663	.174
SC5_Reco	.29069	.32147	.90425	1	1662	.342
SC6_Reco	.13849	.06605	2.09686	1	1661	.148

***** Analysis of Variance -- Design 1 *****

EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00270	.56168	8.00	1661.00	.810
Hotellings	.00271	.56168	8.00	1661.00	.810
Wilks	.99730	.56168	8.00	1661.00	.810
Roys	.00270				

Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.16023	512.70243	.16023	.30738	.52129	.470
SC4_Reco	.13603	233.24898	.13603	.13984	.97276	.324
SC7_Reco	.04027	460.43248	.04027	.27604	.14588	.703
SC8_Reco	.03213	451.50071	.03213	.27068	.11869	.731
SC2_Reco	.58283	399.13766	.58283	.23929	2.43563	.119
SC3_Reco	.53160	536.86032	.53160	.32186	1.65166	.199
SC5_Reco	.55638	690.43423	.55638	.41393	1.34413	.246
SC6_Reco	.02656	110.12789	.02656	.06602	.40229	.526

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.16023	.30738	.52129	1	1668	.470
SC4_Reco	.08561	.12878	.66475	1	1667	.415
SC7_Reco	.00105	.25166	.00419	1	1666	.948
SC8_Reco	.00003	.20047	.00014	1	1665	.991
SC2_Reco	.31098	.17814	1.74576	1	1664	.187
SC3_Reco	.18201	.24833	.73294	1	1663	.392
SC5_Reco	.11566	.32147	.35978	1	1662	.549
SC6_Reco	.03096	.06605	.46874	1	1661	.494

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2 , N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07204	5.11463	24.00	4989.00	.000
Hotellings	.07670	5.30391	24.00	4979.00	.000
Wilks	.92838	5.21046	24.00	4818.01	.000
Roys	.06582				

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	24.72881	512.70243	8.24294	.30738	26.81715	.000
SC4_Reco	2.84006	233.24898	.94669	.13984	6.76990	.000
SC7_Reco	.16562	460.43248	.05521	.27604	.20000	.896
SC8_Reco	1.30454	451.50071	.43485	.27068	1.60648	.186
SC2_Reco	2.35021	399.13766	.78340	.23929	3.27385	.020
SC3_Reco	6.04410	536.86032	2.01470	.32186	6.25958	.000
SC5_Reco	12.48096	690.43423	4.16032	.41393	10.05079	.000
SC6_Reco	.67284	110.12789	.22428	.06602	3.39693	.017

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.24294	.30738	26.81715	3	1668	.000
SC4_Reco	.19147	.12878	1.48683	3	1667	.216
SC7_Reco	.51848	.25166	2.06029	3	1666	.104
SC8_Reco	.63999	.20047	3.19237	3	1665	.023
SC2_Reco	.19855	.17814	1.11461	3	1664	.342
SC3_Reco	.62180	.24833	2.50393	3	1663	.058
SC5_Reco	.34869	.32147	1.08465	3	1662	.354
SC6_Reco	.24327	.06605	3.68329	3	1661	.012

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05166	11.31027	8.00	1661.00	.000
Hotellings	.05447	11.31027	8.00	1661.00	.000
Wilks	.94834	11.31027	8.00	1661.00	.000

Rois .05166

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.88510	512.70243	2.88510	.30738	9.38623	.002
SC4_Reco	.05835	233.24898	.05835	.13984	.41729	.518
SC7_Reco	10.72806	460.43248	10.72806	.27604	38.86435	.000
SC8_Reco	1.02435	451.50071	1.02435	.27068	3.78432	.052
SC2_Reco	6.56646	399.13766	6.56646	.23929	27.44129	.000
SC3_Reco	.01141	536.86032	.01141	.32186	.03545	.851
SC5_Reco	.00654	690.43423	.00654	.41393	.01580	.900
SC6_Reco	.21956	110.12789	.21956	.06602	3.32552	.068

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.88510	.30738	9.38623	1	1668	.002
SC4_Reco	.31728	.12878	2.46374	1	1667	.117
SC7_Reco	12.18949	.25166	48.43703	1	1666	.000
SC8_Reco	.17960	.20047	.89589	1	1665	.344
SC2_Reco	3.56580	.17814	20.01737	1	1664	.000
SC3_Reco	1.39481	.24833	5.61675	1	1663	.018
SC5_Reco	.04717	.32147	.14673	1	1662	.702
SC6_Reco	.14701	.06605	2.22580	1	1661	.136

Imputation: 6

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

102 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.17566	12.92846	24.00	4989.00	.000
Hotellings	.19003	13.14106	24.00	4979.00	.000
Wilks	.83308	13.04748	24.00	4818.01	.000
		Roys	.09739		

 EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	20.82420	519.15956	6.94140	.31125	22.30192	.000
SC4_Reco	7.61640	239.97781	2.53880	.14387	17.64630	.000
SC7_Reco	12.96870	463.92317	4.32290	.27813	15.54265	.000
SC8_Reco	.67610	452.90505	.22537	.27153	.83001	.477
SC2_Reco	1.69644	392.22688	.56548	.23515	2.40478	.066
SC3_Reco	3.51565	537.95380	1.17188	.32251	3.63359	.012
SC5_Reco	35.23856	690.70128	11.74619	.41409	28.36630	.000
SC6_Reco	1.50381	110.36979	.50127	.06617	7.57563	.000

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	6.94140	.31125	22.30192	3	1668	.000
SC4_Reco	1.34752	.13117	10.27327	3	1667	.000
SC7_Reco	6.03873	.25322	23.84822	3	1666	.000
SC8_Reco	.70878	.19962	3.55061	3	1665	.014
SC2_Reco	1.23999	.17647	7.02666	3	1664	.000
SC3_Reco	1.19811	.24742	4.84249	3	1663	.002
SC5_Reco	7.77853	.32306	24.07802	3	1662	.000
SC6_Reco	.46910	.06615	7.09113	3	1661	.000

***** Analysis of Variance -- Design 1 *****

EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.01562	3.29524	8.00	1661.00	.001
Hotellings	.01587	3.29524	8.00	1661.00	.001
Wilks	.98438	3.29524	8.00	1661.00	.001
		Roys	.01562		

Note.. F statistics are exact.

 EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.86733	519.15956	2.86733	.31125	9.21240	.002
SC4_Reco	.37420	239.97781	.37420	.14387	2.60091	.107
SC7_Reco	3.14099	463.92317	3.14099	.27813	11.29318	.001
SC8_Reco	3.30560	452.90505	3.30560	.27153	12.17415	.000
SC2_Reco	.78351	392.22688	.78351	.23515	3.33197	.068
SC3_Reco	4.09649	537.95380	4.09649	.32251	12.70174	.000
SC5_Reco	.15149	690.70128	.15149	.41409	.36584	.545
SC6_Reco	.01158	110.36979	.01158	.06617	.17499	.676

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.86733	.31125	9.21240	1	1668	.002
SC4_Reco	.07173	.13117	.54684	1	1667	.460
SC7_Reco	1.74891	.25322	6.90680	1	1666	.009

SC8_Reco	.75882	.19962	3.80129	1	1665	.051
SC2_Reco	.02839	.17647	.16087	1	1664	.688
SC3_Reco	1.03995	.24742	4.20321	1	1663	.041
SC5_Reco	.33129	.32306	1.02549	1	1662	.311
SC6_Reco	.02805	.06615	.42405	1	1661	.515

***** Analysis of Variance -- Design 1 *****

EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.08583	19.49398	8.00	1661.00	.000
Hotellings	.09389	19.49398	8.00	1661.00	.000
Wilks	.91417	19.49398	8.00	1661.00	.000

Roy's .08583

Note.. F statistics are exact.

EFFECT .. CHS (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	21.32405	519.15956	21.32405	.31125	68.51172	.000
SC4_Reco	3.02267	239.97781	3.02267	.14387	21.00947	.000
SC7_Reco	22.25637	463.92317	22.25637	.27813	80.02106	.000
SC8_Reco	8.42986	452.90505	8.42986	.27153	31.04624	.000
SC2_Reco	24.58252	392.22688	24.58252	.23515	104.54063	.000
SC3_Reco	5.49585	537.95380	5.49585	.32251	17.04063	.000
SC5_Reco	6.33666	690.70128	6.33666	.41409	15.30264	.000
SC6_Reco	.00055	110.36979	.00055	.06617	.00836	.927

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	21.32405	.31125	68.51172	1	1668	.000
SC4_Reco	.61901	.13117	4.71922	1	1667	.030
SC7_Reco	11.61160	.25322	45.85665	1	1666	.000
SC8_Reco	.12366	.19962	.61948	1	1665	.431
SC2_Reco	5.16315	.17647	29.25810	1	1664	.000
SC3_Reco	.58541	.24742	2.36607	1	1663	.124
SC5_Reco	.14724	.32306	.45578	1	1662	.500
SC6_Reco	.00102	.06615	.01549	1	1661	.901

***** Analysis of Variance -- Design 1 *****

EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00537	1.12148	8.00	1661.00	.345
Hotellings	.00540	1.12148	8.00	1661.00	.345
Wilks	.99463	1.12148	8.00	1661.00	.345

Roy's .00537

Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.21658	519.15956	.21658	.31125	.69584	.404
SC4_Reco	.29322	239.97781	.29322	.14387	2.03808	.154
SC7_Reco	.03140	463.92317	.03140	.27813	.11291	.737
SC8_Reco	.19345	452.90505	.19345	.27153	.71244	.399

SC2_Reco	.39694	392.22688	.39694	.23515	1.68805	.194
SC3_Reco	1.53696	537.95380	1.53696	.32251	4.76557	.029
SC5_Reco	.84281	690.70128	.84281	.41409	2.03534	.154
SC6_Reco	.09600	110.36979	.09600	.06617	1.45088	.229

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.21658	.31125	.69584	1	1668	.404
SC4_Reco	.19989	.13117	1.52396	1	1667	.217
SC7_Reco	.00250	.25322	.00988	1	1666	.921
SC8_Reco	.04794	.19962	.24017	1	1665	.624
SC2_Reco	.13495	.17647	.76474	1	1664	.382
SC3_Reco	.85101	.24742	3.43958	1	1663	.064
SC5_Reco	.17939	.32306	.55530	1	1662	.456
SC6_Reco	.11502	.06615	1.73866	1	1661	.187

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07280	5.16971	24.00	4989.00	.000
Hotellings	.07783	5.38199	24.00	4979.00	.000
Wilks	.92751	5.27697	24.00	4818.01	.000
Rois		.06839			

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	26.00289	519.15956	8.66763	.31125	27.84810	.000
SC4_Reco	3.05459	239.97781	1.01820	.14387	7.07712	.000
SC7_Reco	.11613	463.92317	.03871	.27813	.13917	.937
SC8_Reco	.76597	452.90505	.25532	.27153	.94033	.420
SC2_Reco	2.45500	392.22688	.81833	.23515	3.48008	.015
SC3_Reco	6.37815	537.95380	2.12605	.32251	6.59211	.000
SC5_Reco	13.10117	690.70128	4.36706	.41409	10.54617	.000
SC6_Reco	.64690	110.36979	.21563	.06617	3.25884	.021

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.66763	.31125	27.84810	3	1668	.000
SC4_Reco	.18537	.13117	1.41321	3	1667	.237
SC7_Reco	.50917	.25322	2.01083	3	1666	.110
SC8_Reco	.53895	.19962	2.69985	3	1665	.044
SC2_Reco	.14210	.17647	.80524	3	1664	.491
SC3_Reco	.72648	.24742	2.93628	3	1663	.032
SC5_Reco	.34229	.32306	1.05953	3	1662	.365
SC6_Reco	.24730	.06615	3.73829	3	1661	.011

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05485	12.04996	8.00	1661.00	.000
Hotellings	.05804	12.04996	8.00	1661.00	.000
Wilks	.94515	12.04996	8.00	1661.00	.000
Rois		.05485			

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)						
Univariate F-tests with (1,1668) D. F.						
Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.62044	519.15956	2.62044	.31125	8.41916	.004
SC4_Reco	.07190	239.97781	.07190	.14387	.49972	.480
SC7_Reco	11.15009	463.92317	11.15009	.27813	40.08929	.000
SC8_Reco	2.61566	452.90505	2.61566	.27153	9.63320	.002
SC2_Reco	7.17254	392.22688	7.17254	.23515	30.50224	.000
SC3_Reco	.01516	537.95380	.01516	.32251	.04702	.828
SC5_Reco	.02451	690.70128	.02451	.41409	.05920	.808
SC6_Reco	.30809	110.36979	.30809	.06617	4.65611	.031
Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.62044	.31125	8.41916	1	1668	.004
SC4_Reco	.35365	.13117	2.69617	1	1667	.101
SC7_Reco	12.35262	.25322	48.78311	1	1666	.000
SC8_Reco	.02487	.19962	.12456	1	1665	.724
SC2_Reco	3.76320	.17647	21.32496	1	1664	.000
SC3_Reco	2.41249	.24742	9.75069	1	1663	.002
SC5_Reco	.05943	.32306	.18396	1	1662	.668
SC6_Reco	.23515	.06615	3.55466	1	1661	.060

Imputation.: 7

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

96 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2 , N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.18593	13.73451	24.00	4989.00	.000
Hotellings	.20200	13.96858	24.00	4979.00	.000
Wilks	.82390	13.86580	24.00	4818.01	.000
		Rois	.10333		

EFFECT .. OFFTYPENEW (Cont.)						
Univariate F-tests with (3,1668) D. F.						
Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	18.56770	517.92681	6.18923	.31051	19.93263	.000
SC4_Reco	6.82291	237.99125	2.27430	.14268	15.93981	.000
SC7_Reco	15.33316	457.29882	5.11105	.27416	18.64260	.000
SC8_Reco	1.51437	452.71220	.50479	.27141	1.85988	.134
SC2_Reco	1.74675	393.06970	.58225	.23565	2.47079	.060
SC3_Reco	6.30815	540.93008	2.10272	.32430	6.48389	.000
SC5_Reco	35.56411	684.52993	11.85470	.41039	28.88646	.000
SC6_Reco	2.30905	108.99362	.76968	.06534	11.77895	.000

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	6.18923	.31051	19.93263	3	1668	.000
SC4_Reco	1.16349	.13093	8.88623	3	1667	.000
SC7_Reco	6.92595	.25065	27.63194	3	1666	.000
SC8_Reco	.84287	.20124	4.18849	3	1665	.006
SC2_Reco	1.14853	.17780	6.45959	3	1664	.000
SC3_Reco	1.95238	.25005	7.80789	3	1663	.000
SC5_Reco	7.52863	.31869	23.62381	3	1662	.000
SC6_Reco	.70253	.06539	10.74400	3	1661	.000

***** Analysis of Variance -- Design 1 *****

EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.02406	5.11784	8.00	1661.00	.000
Hotellings	.02465	5.11784	8.00	1661.00	.000
Wilks	.97594	5.11784	8.00	1661.00	.000

Roys .02406

Note.. F statistics are exact.

EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	6.01574	517.92681	6.01574	.31051	19.37388	.000
SC4_Reco	2.11331	237.99125	2.11331	.14268	14.81149	.000
SC7_Reco	5.05162	457.29882	5.05162	.27416	18.42581	.000
SC8_Reco	4.49812	452.71220	4.49812	.27141	16.57315	.000
SC2_Reco	1.02840	393.06970	1.02840	.23565	4.36405	.037
SC3_Reco	4.10039	540.93008	4.10039	.32430	12.64387	.000
SC5_Reco	2.48895	684.52993	2.48895	.41039	6.06486	.014
SC6_Reco	.01757	108.99362	.01757	.06534	.26888	.604

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	6.01574	.31051	19.37388	1	1668	.000
SC4_Reco	.93977	.13093	7.17755	1	1667	.007
SC7_Reco	2.09394	.25065	8.35405	1	1666	.004
SC8_Reco	.58532	.20124	2.90861	1	1665	.088
SC2_Reco	.20707	.17780	1.16463	1	1664	.281
SC3_Reco	.34596	.25005	1.38355	1	1663	.240
SC5_Reco	.00065	.31869	.00203	1	1662	.964
SC6_Reco	.02457	.06539	.37580	1	1661	.540

***** Analysis of Variance -- Design 1 *****

EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.08581	19.48868	8.00	1661.00	.000
Hotellings	.09386	19.48868	8.00	1661.00	.000
Wilks	.91419	19.48868	8.00	1661.00	.000

Roys .08581

Note.. F statistics are exact.

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07029	4.98704	24.00	4989.00	.000
Hotellings	.07497	5.18440	24.00	4979.00	.000
Wilks	.93000	5.08677	24.00	4818.01	.000
		Roys	.06608		

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	24.37090	517.92681	8.12363	.31051	26.16243	.000
SC4_Reco	2.87085	237.99125	.95695	.14268	6.70695	.000
SC7_Reco	.05740	457.29882	.01913	.27416	.06979	.976
SC8_Reco	.78269	452.71220	.26090	.27141	.96126	.410
SC2_Reco	1.97030	393.06970	.65677	.23565	2.78700	.039
SC3_Reco	6.72765	540.93008	2.24255	.32430	6.91508	.000
SC5_Reco	12.82775	684.52993	4.27592	.41039	10.41917	.000
SC6_Reco	.67956	108.99362	.22652	.06534	3.46658	.016

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.12363	.31051	26.16243	3	1668	.000
SC4_Reco	.19570	.13093	1.49467	3	1667	.214
SC7_Reco	.42401	.25065	1.69165	3	1666	.167
SC8_Reco	.51594	.20124	2.56384	3	1665	.053
SC2_Reco	.12565	.17780	.70668	3	1664	.548
SC3_Reco	.79774	.25005	3.19030	3	1663	.023
SC5_Reco	.31417	.31869	.98582	3	1662	.399
SC6_Reco	.27133	.06539	4.14961	3	1661	.006

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05434	11.92966	8.00	1661.00	.000
Hotellings	.05746	11.92966	8.00	1661.00	.000
Wilks	.94566	11.92966	8.00	1661.00	.000
		Roys	.05434		

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.51728	517.92681	2.51728	.31051	8.10698	.004
SC4_Reco	.13378	237.99125	.13378	.14268	.93760	.333
SC7_Reco	10.15948	457.29882	10.15948	.27416	37.05677	.000
SC8_Reco	1.74435	452.71220	1.74435	.27141	6.42699	.011
SC2_Reco	7.94538	393.06970	7.94538	.23565	33.71638	.000
SC3_Reco	.00002	540.93008	.00002	.32430	.00005	.994
SC5_Reco	.09066	684.52993	.09066	.41039	.22092	.638
SC6_Reco	.38162	108.99362	.38162	.06534	5.84011	.016

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                                Roy-Bargman Stepdown F - tests
Variable      Hypoth. MS      Error MS      StepDown F      Hypoth. DF      Error DF      Sig. of F
SC1_Reco      2.51728      .31051      8.10698      1      1668      .004
SC4_Reco      .45398      .13093      3.46728      1      1667      .063
SC7_Reco      11.11124      .25065      44.32969      1      1666      .000
SC8_Reco      .01552      .20124      .07713      1      1665      .781
SC2_Reco      4.54379      .17780      25.55537      1      1664      .000
SC3_Reco      2.02432      .25005      8.09559      1      1663      .004
SC5_Reco      .08569      .31869      .26890      1      1662      .604
SC6_Reco      .25829      .06539      3.95006      1      1661      .047
-----
                                Imputation_:      8
***** Analysis of Variance -- Design 1 *****
                                1679 cases accepted.
                                0 cases rejected because of out-of-range factor values.
                                0 cases rejected because of missing data.
                                97 non-empty cells.
                                1 design will be processed.
***** Analysis of Variance -- Design 1 *****
                                EFFECT .. OFFTYPENEW
                                Multivariate Tests of Significance (S = 3, M = 2 , N = 829 1/2)
Test Name      Value      Approx. F      Hypoth. DF      Error DF      Sig. of F
Pillais        .18191      13.41817      24.00      4989.00      .000
Hotellings     .19645      13.58534      24.00      4979.00      .000
Wilks          .82781      13.51538      24.00      4818.01      .000
Rois          .09628
-----
                                EFFECT .. OFFTYPENEW (Cont.)
                                Univariate F-tests with (3,1668) D. F.
Variable      Hypoth. SS      Error SS      Hypoth. MS      Error MS      F      Sig. of F
SC1_Reco      17.21420      519.91820      5.73807      .31170      18.40885      .000
SC4_Reco      8.03051      232.36534      2.67684      .13931      19.21527      .000
SC7_Reco      17.27210      467.96331      5.75737      .28055      20.52145      .000
SC8_Reco      1.86999      450.51579      .62333      .27009      2.30783      .075
SC2_Reco      1.34041      395.57452      .44680      .23715      1.88402      .130
SC3_Reco      5.93442      542.10723      1.97814      .32500      6.08650      .000
SC5_Reco      33.81709      690.89388      11.27236      .41420      27.21446      .000
SC6_Reco      1.24840      111.77971      .41613      .06701      6.20962      .000
-----
                                Roy-Bargman Stepdown F - tests
Variable      Hypoth. MS      Error MS      StepDown F      Hypoth. DF      Error DF      Sig. of F
SC1_Reco      5.73807      .31170      18.40885      3      1668      .000
SC4_Reco      1.49140      .12849      11.60694      3      1667      .000
SC7_Reco      7.33339      .25830      28.39070      3      1666      .000
SC8_Reco      .56620      .19996      2.83157      3      1665      .037
SC2_Reco      1.10945      .17700      6.26803      3      1664      .000
SC3_Reco      2.39516      .25028      9.56982      3      1663      .000
SC5_Reco      7.84106      .32231      24.32763      3      1662      .000
SC6_Reco      .35279      .06715      5.25396      3      1661      .001
-----
***** Analysis of Variance -- Design 1 *****
                                EFFECT .. GANG
                                Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)
Test Name      Value      Exact F      Hypoth. DF      Error DF      Sig. of F
Pillais        .02466      5.24893      8.00      1661.00      .000
Hotellings     .02528      5.24893      8.00      1661.00      .000

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Wilks .97534 5.24893 8.00 1661.00 .000
 Roys .02466
 Note.. F statistics are exact.

 EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	6.37406	519.91820	6.37406	.31170	20.44923	.000
SC4_Reco	2.24560	232.36534	2.24560	.13931	16.11972	.000
SC7_Reco	4.59663	467.96331	4.59663	.28055	16.38414	.000
SC8_Reco	3.58372	450.51579	3.58372	.27009	13.26846	.000
SC2_Reco	.73606	395.57452	.73606	.23715	3.10371	.078
SC3_Reco	4.25983	542.10723	4.25983	.32500	13.10698	.000
SC5_Reco	3.00915	690.89388	3.00915	.41420	7.26487	.007
SC6_Reco	.04500	111.77971	.04500	.06701	.67143	.413

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	6.37406	.31170	20.44923	1	1668	.000
SC4_Reco	1.04110	.12849	8.10240	1	1667	.004
SC7_Reco	1.77036	.25830	6.85381	1	1666	.009
SC8_Reco	.31709	.19996	1.58575	1	1665	.208
SC2_Reco	.36560	.17700	2.06555	1	1664	.151
SC3_Reco	.45912	.25028	1.83439	1	1663	.176
SC5_Reco	.01370	.32231	.04252	1	1662	.837
SC6_Reco	.05652	.06715	.84176	1	1661	.359

***** Analysis of Variance -- Design 1 *****

EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.08728	19.85337	8.00	1661.00	.000
Hotellings	.09562	19.85337	8.00	1661.00	.000
Wilks	.91272	19.85337	8.00	1661.00	.000

Roys .08728
 Note.. F statistics are exact.

 EFFECT .. CHS (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	22.89783	519.91820	22.89783	.31170	73.46075	.000
SC4_Reco	4.13579	232.36534	4.13579	.13931	29.68813	.000
SC7_Reco	19.81435	467.96331	19.81435	.28055	70.62592	.000
SC8_Reco	8.25263	450.51579	8.25263	.27009	30.55472	.000
SC2_Reco	24.26041	395.57452	24.26041	.23715	102.29770	.000
SC3_Reco	4.15179	542.10723	4.15179	.32500	12.77458	.000
SC5_Reco	4.88941	690.89388	4.88941	.41420	11.80434	.001
SC6_Reco	.08497	111.77971	.08497	.06701	1.26796	.260

 Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	22.89783	.31170	73.46075	1	1668	.000
SC4_Reco	1.24290	.12849	9.67298	1	1667	.002
SC7_Reco	9.34021	.25830	36.15995	1	1666	.000
SC8_Reco	.16674	.19996	.83387	1	1665	.361

SC2_Reco	4.74344	.17700	26.79902	1	1664	.000
SC3_Reco	1.09177	.25028	4.36213	1	1663	.037
SC5_Reco	.71014	.32231	2.20326	1	1662	.138
SC6_Reco	.06050	.06715	.90104	1	1661	.343

***** Analysis of Variance -- Design 1 *****

EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00601	1.25599	8.00	1661.00	.263
Hotellings	.00605	1.25599	8.00	1661.00	.263
Wilks	.99399	1.25599	8.00	1661.00	.263

Roys .00601

Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.23393	519.91820	.23393	.31170	.75048	.386
SC4_Reco	.10625	232.36534	.10625	.13931	.76271	.383
SC7_Reco	.02062	467.96331	.02062	.28055	.07348	.786
SC8_Reco	.12432	450.51579	.12432	.27009	.46027	.498
SC2_Reco	.83364	395.57452	.83364	.23715	3.51515	.061
SC3_Reco	2.04452	542.10723	2.04452	.32500	6.29075	.012
SC5_Reco	.46817	690.89388	.46817	.41420	1.13030	.288
SC6_Reco	.04613	111.77971	.04613	.06701	.68837	.407

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.23393	.31170	.75048	1	1668	.386
SC4_Reco	.05546	.12849	.43161	1	1667	.511
SC7_Reco	.00039	.25830	.00151	1	1666	.969
SC8_Reco	.04001	.19996	.20007	1	1665	.655
SC2_Reco	.47759	.17700	2.69826	1	1664	.101
SC3_Reco	1.24200	.25028	4.96239	1	1663	.026
SC5_Reco	.03959	.32231	.12284	1	1662	.726
SC6_Reco	.05886	.06715	.87662	1	1661	.349

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07246	5.14499	24.00	4989.00	.000
Hotellings	.07733	5.34743	24.00	4979.00	.000
Wilks	.92790	5.24736	24.00	4818.01	.000

Roys .06729

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	26.23148	519.91820	8.74383	.31170	28.05192	.000
SC4_Reco	2.97427	232.36534	.99142	.13931	7.11677	.000
SC7_Reco	.20932	467.96331	.06977	.28055	.24870	.862
SC8_Reco	1.02945	450.51579	.34315	.27009	1.27048	.283
SC2_Reco	2.49121	395.57452	.83040	.23715	3.50152	.015
SC3_Reco	6.04597	542.10723	2.01532	.32500	6.20091	.000

SC5_Reco	12.61920	690.89388	4.20640	.41420	10.15536	.000
SC6_Reco	.65215	111.77971	.21738	.06701	3.24384	.021

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.74383	.31170	28.05192	3	1668	.000
SC4_Reco	.20307	.12849	1.58037	3	1667	.192
SC7_Reco	.49492	.25830	1.91605	3	1666	.125
SC8_Reco	.55219	.19996	2.76148	3	1665	.041
SC2_Reco	.14020	.17700	.79211	3	1664	.498
SC3_Reco	.68809	.25028	2.74924	3	1663	.041
SC5_Reco	.30182	.32231	.93643	3	1662	.422
SC6_Reco	.23510	.06715	3.50132	3	1661	.015

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05671	12.48221	8.00	1661.00	.000
Hotellings	.06012	12.48221	8.00	1661.00	.000
Wilks	.94329	12.48221	8.00	1661.00	.000

Roys .05671

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	3.00158	519.91820	3.00158	.31170	9.62965	.002
SC4_Reco	.04963	232.36534	.04963	.13931	.35624	.551
SC7_Reco	9.93427	467.96331	9.93427	.28055	35.40953	.000
SC8_Reco	1.69064	450.51579	1.69064	.27009	6.25946	.012
SC2_Reco	7.71512	395.57452	7.71512	.23715	32.53196	.000
SC3_Reco	.14199	542.10723	.14199	.32500	.43689	.509
SC5_Reco	.00259	690.89388	.00259	.41420	.00625	.937
SC6_Reco	.33413	111.77971	.33413	.06701	4.98596	.026

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	3.00158	.31170	9.62965	1	1668	.002
SC4_Reco	.29710	.12849	2.31221	1	1667	.129
SC7_Reco	11.41746	.25830	44.20189	1	1666	.000
SC8_Reco	.00488	.19996	.02439	1	1665	.876
SC2_Reco	4.52488	.17700	25.56417	1	1664	.000
SC3_Reco	3.07437	.25028	12.28357	1	1663	.000
SC5_Reco	.03636	.32231	.11282	1	1662	.737
SC6_Reco	.26404	.06715	3.93226	1	1661	.048

Imputation: 9

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

98 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.19780	14.67307	24.00	4989.00	.000
Hotellings	.21673	14.98759	24.00	4979.00	.000
Wilks	.81307	14.84683	24.00	4818.01	.000
		Roys	.11193		

EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	24.34202	516.25518	8.11401	.30951	26.21604	.000
SC4_Reco	7.86744	236.20935	2.62248	.14161	18.51873	.000
SC7_Reco	14.88314	470.08004	4.96105	.28182	17.60344	.000
SC8_Reco	1.19397	457.99453	.39799	.27458	1.44947	.227
SC2_Reco	1.31868	397.58934	.43956	.23836	1.84407	.137
SC3_Reco	3.46310	540.37501	1.15437	.32397	3.56324	.014
SC5_Reco	39.35701	685.04289	13.11900	.41070	31.94325	.000
SC6_Reco	1.38541	110.76001	.46180	.06640	6.95454	.000

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	8.11401	.30951	26.21604	3	1668	.000
SC4_Reco	1.34525	.12930	10.40419	3	1667	.000
SC7_Reco	7.26194	.25608	28.35787	3	1666	.000
SC8_Reco	1.12010	.20043	5.58852	3	1665	.001
SC2_Reco	1.11827	.17749	6.30062	3	1664	.000
SC3_Reco	1.78513	.24571	7.26523	3	1663	.000
SC5_Reco	8.47265	.31674	26.74933	3	1662	.000
SC6_Reco	.40645	.06626	6.13420	3	1661	.000

***** Analysis of Variance -- Design 1 *****

EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.01484	3.12849	8.00	1661.00	.002
Hotellings	.01507	3.12849	8.00	1661.00	.002
Wilks	.98516	3.12849	8.00	1661.00	.002
		Roys	.01484		

Note.. F statistics are exact.

EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.07725	516.25518	2.07725	.30951	6.71151	.010
SC4_Reco	.18404	236.20935	.18404	.14161	1.29960	.254
SC7_Reco	3.72525	470.08004	3.72525	.28182	13.21844	.000
SC8_Reco	3.99686	457.99453	3.99686	.27458	14.55644	.000
SC2_Reco	.97677	397.58934	.97677	.23836	4.09784	.043
SC3_Reco	3.65322	540.37501	3.65322	.32397	11.27656	.001
SC5_Reco	.37484	685.04289	.37484	.41070	.91270	.340
SC6_Reco	.00479	110.76001	.00479	.06640	.07215	.788

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.07725	.30951	6.71151	1	1668	.010
SC4_Reco	.01970	.12930	.15233	1	1667	.696
SC7_Reco	2.41933	.25608	9.44748	1	1666	.002
SC8_Reco	1.06903	.20043	5.33373	1	1665	.021
SC2_Reco	.00377	.17749	.02123	1	1664	.884
SC3_Reco	.77501	.24571	3.15419	1	1663	.076
SC5_Reco	.04489	.31674	.14171	1	1662	.707
SC6_Reco	.00029	.06626	.00440	1	1661	.947

***** Analysis of Variance -- Design 1 *****
EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.08375	18.97766	8.00	1661.00	.000
Hotellings	.09140	18.97766	8.00	1661.00	.000
Wilks	.91625	18.97766	8.00	1661.00	.000

Roys .08375

Note.. F statistics are exact.

EFFECT .. CHS (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	23.30000	516.25518	23.30000	.30951	75.28137	.000
SC4_Reco	3.61321	236.20935	3.61321	.14161	25.51483	.000
SC7_Reco	17.52239	470.08004	17.52239	.28182	62.17525	.000
SC8_Reco	7.84799	457.99453	7.84799	.27458	28.58211	.000
SC2_Reco	22.62435	397.58934	22.62435	.23836	94.91556	.000
SC3_Reco	2.88778	540.37501	2.88778	.32397	8.91385	.003
SC5_Reco	6.49037	685.04289	6.49037	.41070	15.80329	.000
SC6_Reco	.23871	110.76001	.23871	.06640	3.59483	.058

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	23.30000	.30951	75.28137	1	1668	.000
SC4_Reco	.83653	.12930	6.46975	1	1667	.011
SC7_Reco	7.55861	.25608	29.51637	1	1666	.000
SC8_Reco	.19154	.20043	.95566	1	1665	.328
SC2_Reco	4.48988	.17749	25.29725	1	1664	.000
SC3_Reco	1.66990	.24571	6.79626	1	1663	.009
SC5_Reco	.17849	.31674	.56351	1	1662	.453
SC6_Reco	.19892	.06626	3.00215	1	1661	.083

***** Analysis of Variance -- Design 1 *****
EFFECT .. HISPANIC

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00584	1.21990	8.00	1661.00	.283
Hotellings	.00588	1.21990	8.00	1661.00	.283
Wilks	.99416	1.21990	8.00	1661.00	.283

Roys .00584

Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)
Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.05948	516.25518	.05948	.30951	.19219	.661
SC4_Reco	.09699	236.20935	.09699	.14161	.68493	.408
SC7_Reco	.03985	470.08004	.03985	.28182	.14141	.707
SC8_Reco	.00460	457.99453	.00460	.27458	.01676	.897
SC2_Reco	.48497	397.58934	.48497	.23836	2.03457	.154
SC3_Reco	1.93047	540.37501	1.93047	.32397	5.95888	.015
SC5_Reco	1.05914	685.04289	1.05914	.41070	2.57888	.108
SC6_Reco	.05129	110.76001	.05129	.06640	.77241	.380

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.05948	.30951	.19219	1	1668	.661
SC4_Reco	.06897	.12930	.53343	1	1667	.465
SC7_Reco	.00519	.25608	.02026	1	1666	.887
SC8_Reco	.01036	.20043	.05171	1	1665	.820
SC2_Reco	.29861	.17749	1.68245	1	1664	.195
SC3_Reco	1.24611	.24571	5.07150	1	1663	.024
SC5_Reco	.39476	.31674	1.24631	1	1662	.264
SC6_Reco	.06327	.06626	.95494	1	1661	.329

***** Analysis of Variance -- Design 1 *****

EFFECT .. RACENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.07177	5.09503	24.00	4989.00	.000
Hotellings	.07629	5.27568	24.00	4979.00	.000
Wilks	.92869	5.18657	24.00	4818.01	.000
Roys		.06483			

EFFECT .. RACENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	23.86424	516.25518	7.95475	.30951	25.70147	.000
SC4_Reco	2.77604	236.20935	.92535	.14161	6.53436	.000
SC7_Reco	.11106	470.08004	.03702	.28182	.13135	.941
SC8_Reco	.93417	457.99453	.31139	.27458	1.13408	.334
SC2_Reco	2.45832	397.58934	.81944	.23836	3.43779	.016
SC3_Reco	5.28422	540.37501	1.76141	.32397	5.43701	.001
SC5_Reco	12.88040	685.04289	4.29347	.41070	10.45409	.000
SC6_Reco	.80529	110.76001	.26843	.06640	4.04246	.007

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	7.95475	.30951	25.70147	3	1668	.000
SC4_Reco	.17529	.12930	1.35569	3	1667	.255
SC7_Reco	.65895	.25608	2.57318	3	1666	.053
SC8_Reco	.48464	.20043	2.41801	3	1665	.065
SC2_Reco	.26162	.17749	1.47406	3	1664	.220
SC3_Reco	.55021	.24571	2.23926	3	1663	.082
SC5_Reco	.42939	.31674	1.35565	3	1662	.255
SC6_Reco	.30409	.06626	4.58938	3	1661	.003

***** Analysis of Variance -- Design 1 *****

EFFECT .. GENDER

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.05296	11.60994	8.00	1661.00	.000
Hotellings	.05592	11.60994	8.00	1661.00	.000
Wilks	.94704	11.60994	8.00	1661.00	.000

Rois .05296

Note.. F statistics are exact.

EFFECT .. GENDER (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	2.75147	516.25518	2.75147	.30951	8.88989	.003
SC4_Reco	.03177	236.20935	.03177	.14161	.22435	.636
SC7_Reco	10.61028	470.08004	10.61028	.28182	37.64880	.000
SC8_Reco	1.72122	457.99453	1.72122	.27458	6.26864	.012
SC2_Reco	6.89367	397.58934	6.89367	.23836	28.92091	.000
SC3_Reco	.00530	540.37501	.00530	.32397	.01636	.898
SC5_Reco	.02888	685.04289	.02888	.41070	.07031	.791
SC6_Reco	.36853	110.76001	.36853	.06640	5.54994	.019

Roy-Bargman Stepdown F - tests

Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	2.75147	.30951	8.88989	1	1668	.003
SC4_Reco	.25886	.12930	2.00201	1	1667	.157
SC7_Reco	12.18978	.25608	47.60112	1	1666	.000
SC8_Reco	.01711	.20043	.08535	1	1665	.770
SC2_Reco	3.74436	.17749	21.09677	1	1664	.000
SC3_Reco	1.93272	.24571	7.86591	1	1663	.005
SC5_Reco	.07211	.31674	.22766	1	1662	.633
SC6_Reco	.24431	.06626	3.68719	1	1661	.055

Imputation: 10

***** Analysis of Variance -- Design 1 *****

1679 cases accepted.

0 cases rejected because of out-of-range factor values.

0 cases rejected because of missing data.

98 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- Design 1 *****

EFFECT .. OFFTYPENEW

Multivariate Tests of Significance (S = 3, M = 2, N = 829 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.16250	11.90439	24.00	4989.00	.000
Hotellings	.17480	12.08763	24.00	4979.00	.000
Wilks	.84496	12.00626	24.00	4818.01	.000

Rois .09396

EFFECT .. OFFTYPENEW (Cont.)

Univariate F-tests with (3,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	18.71722	519.24108	6.23907	.31130	20.04228	.000
SC4_Reco	5.83843	238.77875	1.94614	.14315	13.59488	.000
SC7_Reco	13.08759	473.31640	4.36253	.28376	15.37387	.000
SC8_Reco	1.88054	454.88851	.62685	.27271	2.29854	.076
SC2_Reco	.90896	394.02488	.30299	.23623	1.28262	.279

SC3_Reco	5.33626	545.87058	1.77875	.32726	5.43528	.001
SC5_Reco	34.29406	694.20306	11.43135	.41619	27.46674	.000
SC6_Reco	.67002	109.35479	.22334	.06556	3.40662	.017

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	6.23907	.31130	20.04228	3	1668	.000
SC4_Reco	.95094	.13079	7.27068	3	1667	.000
SC7_Reco	6.53588	.25833	25.30032	3	1666	.000
SC8_Reco	.95658	.19905	4.80566	3	1665	.002
SC2_Reco	.45648	.17703	2.57856	3	1664	.052
SC3_Reco	2.06822	.24666	8.38503	3	1663	.000
SC5_Reco	7.70405	.32427	23.75811	3	1662	.000
SC6_Reco	.19048	.06546	2.90995	3	1661	.033

***** Analysis of Variance -- Design 1 *****

EFFECT .. GANG

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.02062	4.37037	8.00	1661.00	.000
Hotellings	.02105	4.37037	8.00	1661.00	.000
Wilks	.97938	4.37037	8.00	1661.00	.000

Rois .02062

Note.. F statistics are exact.

EFFECT .. GANG (Cont.)

Univariate F-tests with (1,1668) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	5.89275	519.24108	5.89275	.31130	18.92976	.000
SC4_Reco	1.82987	238.77875	1.82987	.14315	12.78262	.000
SC7_Reco	3.82041	473.31640	3.82041	.28376	13.46340	.000
SC8_Reco	3.23290	454.88851	3.23290	.27271	11.85451	.001
SC2_Reco	1.00282	394.02488	1.00282	.23623	4.24516	.040
SC3_Reco	3.51037	545.87058	3.51037	.32726	10.72653	.001
SC5_Reco	3.02442	694.20306	3.02442	.41619	7.26693	.007
SC6_Reco	.07516	109.35479	.07516	.06556	1.14646	.284

Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	5.89275	.31130	18.92976	1	1668	.000
SC4_Reco	.74405	.13079	5.68882	1	1667	.017
SC7_Reco	1.34277	.25833	5.19785	1	1666	.023
SC8_Reco	.32362	.19905	1.62582	1	1665	.202
SC2_Reco	.11046	.17703	.62395	1	1664	.430
SC3_Reco	.29520	.24666	1.19680	1	1663	.274
SC5_Reco	.06124	.32427	.18887	1	1662	.664
SC6_Reco	.09139	.06546	1.39611	1	1661	.238

***** Analysis of Variance -- Design 1 *****

EFFECT .. CHS

Multivariate Tests of Significance (S = 1, M = 3, N = 829 1/2)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.08309	18.81516	8.00	1661.00	.000
Hotellings	.09062	18.81516	8.00	1661.00	.000
Wilks	.91691	18.81516	8.00	1661.00	.000

Rois .08309

Note.. F statistics are exact.

EFFECT .. CHS (Cont.)						
Univariate F-tests with (1,1668) D. F.						
Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	18.66897	519.24108	18.66897	.31130	59.97182	.000
SC4_Reco	2.48619	238.77875	2.48619	.14315	17.36743	.000
SC7_Reco	20.23885	473.31640	20.23885	.28376	71.32313	.000
SC8_Reco	6.60097	454.88851	6.60097	.27271	24.20465	.000
SC2_Reco	23.35178	394.02488	23.35178	.23623	98.85356	.000
SC3_Reco	2.25804	545.87058	2.25804	.32726	6.89983	.009
SC5_Reco	5.33368	694.20306	5.33368	.41619	12.81554	.000
SC6_Reco	.05670	109.35479	.05670	.06556	.86488	.353
Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	18.66897	.31130	59.97182	1	1668	.000
SC4_Reco	.49078	.13079	3.75238	1	1667	.053
SC7_Reco	10.64194	.25833	41.19485	1	1666	.000
SC8_Reco	.03103	.19905	.15587	1	1665	.693
SC2_Reco	5.42379	.17703	30.63809	1	1664	.000
SC3_Reco	2.34785	.24666	9.51871	1	1663	.002
SC5_Reco	.12993	.32427	.40068	1	1662	.527
SC6_Reco	.05031	.06546	.76853	1	1661	.381

***** Analysis of Variance -- Design 1 *****

EFFECT .. HISPANIC					
Multivariate Tests of Significance (S = 1, M = 3 , N = 829 1/2)					
Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.00544	1.13657	8.00	1661.00	.335
Hotellings	.00547	1.13657	8.00	1661.00	.335
Wilks	.99456	1.13657	8.00	1661.00	.335
Roys	.00544				

Note.. F statistics are exact.

EFFECT .. HISPANIC (Cont.)						
Univariate F-tests with (1,1668) D. F.						
Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
SC1_Reco	.33986	519.24108	.33986	.31130	1.09176	.296
SC4_Reco	.11332	238.77875	.11332	.14315	.79160	.374
SC7_Reco	.00109	473.31640	.00109	.28376	.00385	.951
SC8_Reco	.05395	454.88851	.05395	.27271	.19784	.657
SC2_Reco	.37594	394.02488	.37594	.23623	1.59145	.207
SC3_Reco	1.84520	545.87058	1.84520	.32726	5.63832	.018
SC5_Reco	1.23412	694.20306	1.23412	.41619	2.96528	.085
SC6_Reco	.00804	109.35479	.00804	.06556	.12257	.726
Roy-Bargman Stepdown F - tests						
Variable	Hypoth. MS	Error MS	StepDown F	Hypoth. DF	Error DF	Sig. of F
SC1_Reco	.33986	.31130	1.09176	1	1668	.296
SC4_Reco	.04841	.13079	.37012	1	1667	.543
SC7_Reco	.02532	.25833	.09803	1	1666	.754
SC8_Reco	.01444	.19905	.07253	1	1665	.788
SC2_Reco	.17548	.17703	.99128	1	1664	.320
SC3_Reco	1.23329	.24666	5.00005	1	1663	.025
SC5_Reco	.39974	.32427	1.23273	1	1662	.267

Appendix U1: Adjusted Marginal Means for SC1 by Offence Type

Imputation Number	OFFTYPENEW	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
1	Minor Offence	.929	.059	.798	1.061
	Drugs	1.184	.057	1.057	1.312
	Property	1.271	.042	1.176	1.366
	Violent	1.089	.043	.992	1.186
2	Minor Offence	.882	.058	.753	1.012
	Drugs	1.219	.056	1.093	1.346
	Property	1.278	.042	1.184	1.372
	Violent	1.115	.043	1.019	1.212
3	Minor Offence	.863	.060	.728	.997
	Drugs	1.158	.056	1.033	1.283
	Property	1.259	.043	1.163	1.355
	Violent	1.100	.044	1.002	1.198
4	Minor Offence	.900	.058	.769	1.030
	Drugs	1.191	.056	1.065	1.317
	Property	1.295	.042	1.202	1.388
	Violent	1.105	.043	1.009	1.201
5	Minor Offence	.834	.061	.697	.972
	Drugs	1.171	.055	1.049	1.294
	Property	1.270	.042	1.176	1.365
	Violent	1.084	.043	.988	1.180
6	Minor Offence	.900	.060	.765	1.034
	Drugs	1.194	.055	1.070	1.319
	Property	1.266	.042	1.171	1.360
	Violent	1.122	.043	1.025	1.219
7	Minor Offence	.907	.059	.773	1.040
	Drugs	1.217	.056	1.090	1.343
	Property	1.259	.042	1.165	1.354
	Violent	1.101	.043	1.006	1.197
8	Minor Offence	.966	.057	.837	1.095
	Drugs	1.181	.057	1.054	1.308
	Property	1.271	.042	1.176	1.365
	Violent	1.098	.043	1.001	1.195
9	Minor Offence	.858	.060	.724	.993

Imputation Number	OFFTYPENEW	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
10	Drugs	1.230	.055	1.107	1.353
	Property	1.262	.042	1.168	1.355
	Violent	1.103	.043	1.007	1.199
	Minor Offence	.941	.058	.810	1.071
	Drugs	1.203	.055	1.079	1.327
	Property	1.279	.042	1.185	1.374
	Violent	1.097	.043	1.001	1.194
	Minor Offence	.898	.073	.732	1.064
Pooled	Drugs	1.195	.061	1.058	1.331
	Property	1.271	.044	1.173	1.369
	Violent	1.102	.045	1.001	1.202
	Minor Offence				

Appendix U2: Adjusted Marginal Means for SC1 by CHS

Imputation Number	CHLD SRVCS HISTORY	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
1	No	1.015	.043	.918	1.112
	Yes	1.222	.043	1.124	1.319
2	No	1.012	.042	.917	1.108
	Yes	1.235	.043	1.139	1.331
3	No	.990	.044	.893	1.088
	Yes	1.200	.044	1.102	1.297
4	No	1.018	.042	.923	1.113
	Yes	1.228	.043	1.132	1.323
5	No	.993	.043	.897	1.089
	Yes	1.187	.044	1.090	1.285
6	No	1.017	.043	.922	1.113
	Yes	1.223	.044	1.126	1.321
7	No	1.018	.043	.922	1.115
	Yes	1.224	.043	1.127	1.321
8	No	1.019	.043	.922	1.115
	Yes	1.240	.043	1.143	1.336
9	No	1.005	.043	.909	1.100
	Yes	1.222	.043	1.125	1.318
10	No	1.030	.043	.935	1.126
	Yes	1.230	.043	1.134	1.326
Pooled	No	1.012	.045	.911	1.112
	Yes	1.221	.046	1.117	1.325

Appendix U3: Adjusted Marginal Means for SC1 by Race

Imputation Number	RACENEW	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
1	Black	1.161	.029	1.097	1.225
	White	.911	.020	.866	.956
	Bi-Racial	1.277	.120	1.007	1.547
	Other	1.125	.098	.904	1.346
2	Black	1.145	.029	1.081	1.209
	White	.906	.020	.862	.951
	Bi-Racial	1.278	.120	1.010	1.547
	Other	1.165	.096	.950	1.381
3	Black	1.141	.029	1.076	1.206
	White	.901	.020	.857	.946
	Bi-Racial	1.236	.120	.967	1.506
	Other	1.101	.101	.875	1.328
4	Black	1.143	.029	1.079	1.208
	White	.897	.020	.852	.942
	Bi-Racial	1.303	.117	1.040	1.566
	Other	1.148	.097	.931	1.365
5	Black	1.133	.029	1.068	1.198
	White	.893	.020	.848	.938
	Bi-Racial	1.228	.120	.959	1.496
	Other	1.107	.097	.890	1.323
6	Black	1.145	.029	1.080	1.209
	White	.910	.020	.865	.955
	Bi-Racial	1.256	.120	.985	1.526
	Other	1.171	.097	.954	1.388
7	Black	1.160	.029	1.096	1.224
	White	.921	.020	.876	.966
	Bi-Racial	1.273	.118	1.008	1.539
	Other	1.129	.098	.909	1.349
8	Black	1.168	.029	1.104	1.233
	White	.914	.020	.870	.959
	Bi-Racial	1.268	.121	.997	1.539
	Other	1.166	.096	.951	1.381
9	Black	1.142	.029	1.077	1.207

Imputation Number	RACENEW	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
10	White	.920	.020	.875	.966
	Bi-Racial	1.257	.120	.988	1.526
	Other	1.134	.095	.921	1.347
	Black	1.158	.029	1.094	1.223
	White	.919	.020	.875	.964
	Bi-Racial	1.295	.118	1.030	1.559
Pooled	Other	1.149	.098	.928	1.369
	Black	1.150	.031	1.080	1.220
	White	.909	.023	.858	.960
	Bi-Racial	1.267	.122	.994	1.541
	Other	1.139	.101	.914	1.365

Appendix U4: Adjusted Marginal Means for SC1 by Gender

Imputation Number	GENDER	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
1	Male	1.041	.016	1.004	1.077
	Female	.947	.031	.876	1.017
2	Male	1.039	.016	1.002	1.075
	Female	.949	.031	.878	1.019
3	Male	1.040	.016	1.003	1.076
	Female	.943	.031	.872	1.013
4	Male	1.040	.016	1.003	1.077
	Female	.945	.031	.874	1.015
5	Male	1.042	.016	1.006	1.079
	Female	.941	.031	.871	1.011
6	Male	1.040	.016	1.004	1.077
	Female	.944	.031	.874	1.014
7	Male	1.049	.016	1.012	1.085
	Female	.954	.031	.884	1.024
8	Male	1.042	.016	1.005	1.078
	Female	.938	.031	.868	1.009
9	Male	1.046	.016	1.009	1.082
	Female	.947	.031	.877	1.017
10	Male	1.048	.016	1.012	1.085
	Female	.947	.031	.877	1.017
Pooled	Male	1.043	.017	1.005	1.080
	Female	.945	.032	.874	1.016

Appendix U5: Adjusted Marginal Means for SC7 by Offence Type

Imputation Number	OFFTYPENEW	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
1	Minor Offence	1.252	.043	1.156	1.348
	Drugs	1.205	.042	1.110	1.300
	Property	1.354	.022	1.305	1.403
	Violent	1.508	.025	1.451	1.564
2	Minor Offence	1.266	.043	1.171	1.362
	Drugs	1.157	.043	1.062	1.253
	Property	1.362	.022	1.313	1.411
	Violent	1.498	.025	1.442	1.555
3	Minor Offence	1.268	.043	1.172	1.365
	Drugs	1.187	.042	1.093	1.281
	Property	1.346	.022	1.297	1.396
	Violent	1.509	.025	1.453	1.565
4	Minor Offence	1.284	.043	1.187	1.381
	Drugs	1.192	.042	1.096	1.287
	Property	1.361	.022	1.312	1.409
	Violent	1.510	.025	1.454	1.567
5	Minor Offence	1.288	.044	1.190	1.387
	Drugs	1.185	.042	1.091	1.278
	Property	1.360	.022	1.312	1.408
	Violent	1.504	.025	1.448	1.560
6	Minor Offence	1.280	.043	1.183	1.376
	Drugs	1.196	.042	1.102	1.290
	Property	1.363	.022	1.313	1.412
	Violent	1.499	.025	1.443	1.555

Imputation Number	OFFTYPENEW	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
7	Minor Offence	1.266	.043	1.170	1.362
	Drugs	1.158	.042	1.064	1.252
	Property	1.359	.022	1.310	1.407
	Violent	1.502	.025	1.446	1.557
8	Minor Offence	1.235	.042	1.141	1.329
	Drugs	1.163	.042	1.068	1.257
	Property	1.365	.022	1.316	1.413
	Violent	1.507	.025	1.450	1.563
9	Minor Offence	1.293	.044	1.195	1.392
	Drugs	1.191	.042	1.098	1.285
	Property	1.347	.022	1.298	1.396
	Violent	1.510	.025	1.454	1.566
10	Minor Offence	1.275	.043	1.178	1.372
	Drugs	1.214	.041	1.122	1.305
	Property	1.345	.022	1.296	1.395
	Violent	1.503	.025	1.446	1.560
Pooled	Minor Offence	1.271	.047	1.165	1.376
	Drugs	1.185	.047	1.079	1.290
	Property	1.356	.023	1.304	1.408
	Violent	1.505	.025	1.448	1.562

Appendix U6: Adjusted Matginal Means for SC7 by Gender

Imputation Number	GENDER	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
1	Male	1.226	.018	1.185	1.267
	Female	1.433	.030	1.367	1.500
2	Male	1.217	.018	1.176	1.259
	Female	1.425	.030	1.358	1.492
3	Male	1.230	.019	1.188	1.271
	Female	1.426	.030	1.359	1.492
4	Male	1.232	.018	1.190	1.273
	Female	1.441	.030	1.375	1.508
5	Male	1.236	.019	1.194	1.277
	Female	1.433	.030	1.366	1.499
6	Male	1.233	.018	1.191	1.274
	Female	1.436	.030	1.369	1.502
7	Male	1.224	.018	1.183	1.265
	Female	1.418	.030	1.352	1.484
8	Male	1.219	.018	1.178	1.260
	Female	1.415	.030	1.349	1.482
9	Male	1.237	.019	1.196	1.279
	Female	1.434	.030	1.367	1.500
10	Male	1.236	.018	1.194	1.277
	Female	1.433	.030	1.366	1.499
Pooled	Male	1.229	.020	1.184	1.274
	Female	1.429	.031	1.360	1.499

Appendix U7: Adjusted Marginal Means for SC2 by Gender

Imputation Number	GENDER	Mean	Std. Error	97.5% Confidence Interval	
				Lower Bound	Upper Bound
1	Male	1.194	.014	1.163	1.225
	Female	1.357	.027	1.298	1.417
2	Male	1.188	.014	1.157	1.219
	Female	1.364	.027	1.304	1.424
3	Male	1.205	.014	1.174	1.236
	Female	1.364	.027	1.304	1.423
4	Male	1.203	.014	1.172	1.235
	Female	1.348	.027	1.288	1.408
5	Male	1.199	.014	1.168	1.231
	Female	1.352	.027	1.292	1.412
6	Male	1.197	.014	1.166	1.228
	Female	1.357	.027	1.298	1.416
7	Male	1.197	.014	1.166	1.228
	Female	1.365	.026	1.305	1.424
8	Male	1.197	.014	1.166	1.228
	Female	1.363	.027	1.303	1.422
9	Male	1.196	.014	1.165	1.227
	Female	1.353	.027	1.293	1.412
10	Male	1.195	.014	1.164	1.226
	Female	1.357	.027	1.297	1.416
Pooled	Male	1.197	.015	1.164	1.230
	Female	1.358	.027	1.297	1.419

Appendix V: Hand-Calculated Scheffe Test on Adjusted Means

Race: SC1

1.

- a. $K: 4 - 1 = 3$
- b. SE: .314
- c. F: 23.086
- d. Groups (N):
 - i. Black = 455
 - ii. White = 1169
 - iii. Bi-Racial = 22
 - iv. Other = 33
- e. Mean Differences:
 - i. Black vs. White: $1.161 - .911 = .25$
 - ii. Black vs. Bi-Racial: $1.161 - 1.277 = -.116$
 - iii. Black vs. Other: $1.161 - 1.125 = .036$
 - iv. White vs. Bi-Racial: $.911 - 1.277 = -.366$
 - v. White vs. Other: $.911 - 1.125 = -.214$
 - vi. Bi-Racial vs. Other: $1.277 - 1.125 = .152$

Scheffe TestBlack vs. White: $3 * 23.086 * .314 (.0021 + .0008) = 21.7470 * .0029 = .0630^{**}$ Black vs. Bi-racial: $3 * 23.086 * .314 (.0021 + .0454) = 21.7470 * .0475 = 1.0329$ Black vs. Other: $3 * 23.086 * .314 (.0021 + .0303) = 21.7470 * .0324 = .7046$ White vs. Bi-Racial: $3 * 23.086 * .314 (.0008 + .0454) = 21.7470 * .0462 = 1.004$ White vs. Other: $3 * 23.086 * .314 (.0008 + .0303) = 21.7470 * .0311 = .6763$ Bi-Racial vs. Other: $3 * 23.086 * .314 (.0454 + .0303) = 21.7470 * .0757 = 1.6462$

2.

- a. $K: 4 - 1 = 3$
- b. MSE: .311
- c. F: 22.286
- d. Groups:
 - i. Black: 456
 - ii. White: 1171
 - iii. Bi-Racial: 22
 - iv. Other: 31
- e. Mean Differences:
 - v. Black vs. White: $1.145 - .906 = .239^{**}$
 - vi. Black vs. Bi-Racial: $1.145 - 1.278 = -.133$
 - vii. Black vs. Other: $1.145 - 1.165 = -.02$
 - viii. White vs. Bi-Racial: $.906 - 1.278 = -.372$
 - ix. White vs. Other: $.906 - 1.165 = -.259$
 - x. Bi-Racial vs. Other: $1.278 - 1.165 = .113$

Scheffe TestBlack vs. White: $3 * 22.286 * .311 (.0021 + .0008) = 20.7928 * .0029 = .0602$ Black vs. Bi-Racial: $3 * 22.286 * .311 (.0021 + .0454) = 20.7928 * .0475 = .9876$ Black vs. Other: $3 * 22.286 * .311 (.0021 + .0322) = 20.7928 * .0343 = .7131$ White vs. Bi-Racial: $3 * 22.286 * .311 (.0008 + .0454) = 20.7928 * .0462 = .9606$ White vs. Other: $3 * 22.286 * .311 (.0008 + .0322) = 20.7928 * .033 = .6861$ Bi-Racial vs. Other: $3 * 22.286 * .311 (.0454 + .0322) = 20.7928 * .0776 = 1.6135$

3.

- a. $K: 4 - 1 = 3$
- b. MSE: .312
- c. F: 20.801

- d. Groups:
 - i. Black: 455
 - ii. White: 1171
 - iii. Bi-Racial: 22
 - iv. Other: 31
- e. Mean Differences:
 - i. Black vs. White: $1.141 - .901 = .24^{**}$
 - ii. Black vs. Bi-Racial: $1.141 - 1.236 = -.095$
 - iii. Black vs. Other: $1.141 - 1.101 = .04$
 - iv. White vs. Bi-Racial: $.901 - 1.236 = -.335$
 - v. White vs. Other: $.901 - 1.101 = -.20$
 - vi. Bi-Racial vs. Other: $1.236 - 1.101 = .135$

Scheffe Test

Black vs. white: $3 * 20.801 * .312 (.0021 + .0008) = 19.4697 * .0029 = .0564$
 Black vs. Bi-Racial: $3 * 20.801 * .312 (.0021 + .0454) = 19.4697 * .0475 = .9248$
 Black vs. Other: $3 * 20.801 * .312 (.0021 + .0322) = 19.4697 * .0343 = .6678$
 White vs. Bi-Racial: $3 * 20.801 * .312 (.0008 + .0454) = 19.4697 * .0462 = .8995$
 White vs. Other: $3 * 20.801 * .312 (.0008 + .0322) = 19.4697 * .033 = .6425$
 Bi-Racial vs. other: $3 * 20.801 * .312 (.0454 + .0322) = 19.4697 * .0776 = 1.5108$

4.

- a. $K: 4 - 1 = 3$
- b. MSE: .313
- c. F: 23.824
- d. Groups:
 - i. Black: 455
 - ii. White: 1167
 - iii. Bi-Racial: 23
 - iv. Other: 34
- e. Mean Differences:
 - i. Black vs. White: $1.143 - .897 = .246^{**}$
 - ii. Black vs. Bi-Racial: $1.143 - 1.303 = -.16$
 - iii. Black vs. Other: $1.143 - 1.148 = -.005$
 - iv. White vs. Bi-Racial: $.897 - 1.303 = -.406$
 - v. White vs. Other: $.897 - 1.148 = -.251$
 - vi. Bi-Racial vs. Other: $1.303 - 1.148 = .155$

Scheffe Test

Black vs. white: $3 * 23.824 * .313 (.0021 + .0008) = 22.3707 * .0029 = .0648$
 Black vs. Bi-Racial: $3 * 23.824 * .313 (.0021 + .0434) = 22.3707 * .0455 = 1.0178$
 Black vs. Other: $3 * 23.824 * .313 (.0021 + .0294) = 22.3707 * .0315 = .7046$
 White vs. Bi-Racial: $3 * 23.824 * .313 (.0008 + .0434) = 22.3707 * .0442 = .9987$
 White vs. Other: $3 * 23.824 * .313 (.0008 + .0294) = 22.3707 * .0302 = .6755$
 Bi-Racial vs. Other: $3 * 23.824 * .313 (.0434 + .0294) = 22.3707 * .0728 = 1.6285$

5.

- a. $K: 4 - 1 = 3$
- b. MSE: .311
- c. F: 21.228
- d. Groups:
 - i. Black: 455
 - ii. White: 1168
 - iii. Bi-Racial: 22
 - iv. Other: 34
- e. Mean Differences:

- i. Black vs. White: $1.133 - .893 = .24^{**}$
- ii. Black vs. Bi-Racial: $1.133 - 1.228 = -.095$
- iii. Black vs. Other: $1.133 - 1.107 = .026$
- iv. White vs. Bi-Racial: $.893 - 1.228 = -.335$
- v. White vs. Other: $.893 - 1.107 = -.214$
- vi. Bi-Racial vs. Other: $1.228 - 1.107 = .121$

Scheffe Test

Black vs. White: $3*21.228*.311 (.0021+.0008) = 19.8057*.0029 = .0574$
 Black vs. Bi-Racial: $3*21.228*.311 (.0021+.0454) = 19.8057*.0475 = .9407$
 Black vs. Other: $3*21.228*.311 (.0021+.0294) = 19.8057*.0315 = .6238$
 White vs. Bi-Racial: $3*21.228*.311 (.0008+.0454) = 19.8057*.0462 = .9150$
 White vs. Other: $3*21.228*.311 (.0008+.0294) = 19.8057*.0302 = .5981$
 Bi-Racial vs. Other: $3*21.228*.311 (.0454+.0294) = 19.8057*.0748 = 1.4814$

6.

- a. $K: 4 - 1 = 3$
- b. MSE: .315
- c. F: 20.844
- d. Groups:
 - i. Black: 455
 - ii. White: 1168
 - iii. Bi-Racial: 22
 - iv. Other: 34
- e. Mean Differences:
 - i. Black vs. White: $1.145 - .921 = .224^{**}$
 - ii. Black vs. Bi-Racial: $1.145 - 1.256 = -.111$
 - iii. Black vs. Other: $1.145 - 1.171 = -.026$
 - iv. White vs. Bi-Racial: $.921 - 1.256 = -.335$
 - v. White vs. Other: $.921 - 1.171 = -.25$
 - vi. Bi-Racial vs. Other: $1.256 - 1.171 = .085$

Scheffe Test

Black vs. White: $3*20.844*.315 (.0021+.0008) = 19.6975*.0029 = .0571$
 Black vs. Bi-Racial: $3*20.844*.315 (.0021+.0454) = 19.6975*.0475 = .9356$
 Black vs. Other: $3*20.844*.315 (.0021+.0294) = 19.6975*.0315 = .6204$
 White vs. Bi-Racial: $3*20.844*.315 (.0008+.0454) = 19.6975*.0462 = .9100$
 White vs. Other: $3*20.844*.315 (.0008+.0294) = 19.6975*.0302 = .5948$
 Bi-Racial vs. Other: $3*20.844*.315 (.0454+.0294) = 19.6975*.0748 = 1.4733$

7.

- a. $K: 4 - 1 = 3$
- b. MSE: .314
- c. F: 21.271
- d. Groups:
 - i. Black: 455
 - ii. White: 1168
 - iii. Bi-Racial: 23
 - iv. Other: 33
- e. Mean Differences:
 - i. Black vs. White: $1.160 - .921 = .239^{**}$
 - ii. Black vs. Bi-Racial: $1.160 - 1.273 = -.113$
 - iii. Black vs. Other: $1.160 - 1.129 = .031$
 - iv. White vs. Bi-Racial: $.921 - 1.273 = -.352$
 - v. White vs. Other: $.921 - 1.129 = -.208$
 - vi. Bi-Racial vs. Other: $1.273 - 1.129 = .144$

Scheffe Test

Black vs. White: $3 \times 21.271 \times .314 (.0021 + .0008) = 20.0372 \times .0029 = .0581$
 Black vs. Bi-Racial: $3 \times 21.271 \times .314 (.0021 + .0434) = 20.0372 \times .0455 = .9116$
 Black vs. Other: $3 \times 21.271 \times .314 (.0021 + .0303) = 20.0372 \times .0324 = .6492$
 White vs. Bi-Racial: $3 \times 21.271 \times .314 (.0008 + .0434) = 20.0372 \times .0442 = .8856$
 White vs. Other: $3 \times 21.271 \times .314 (.0008 + .0303) = 20.0372 \times .0311 = .6231$
 Bi-Racial vs. Other: $3 \times 21.271 \times .314 (.0434 + .0303) = 20.0372 \times .0737 = 1.4767$

8.

- a. $K: 4 - 1 = 3$
- b. MSE: .317
- c. F: 23.932
- d. Groups:
 - i. Black: 455
 - ii. White: 1167
 - iii. Bi-Racial: 22
 - iv. Other: 35
- e. Mean Differences:
 - i. Black vs. White: $1.168 - .914 = .254^{**}$
 - ii. Black vs. Bi-Racial: $1.168 - 1.268 = -.10$
 - iii. Black vs. Other: $1.168 - 1.166 = .002$
 - iv. White vs. Bi-Racial: $.914 - 1.268 = -.354$
 - v. White vs. Other: $.914 - 1.166 = -.252$
 - vi. Bi-Racial vs. Other: $1.268 - 1.166 = .102$

Scheffe Test

Black vs. White: $3 \times 23.932 \times .317 (.0021 + .0008) = 22.7593 \times .0029 = .0660$
 Black vs. Bi-Racial: $3 \times 21.271 \times .314 (.0021 + .0454) = 22.7593 \times .0475 = 1.0810$
 Black vs. Other: $3 \times 21.271 \times .314 (.0021 + .0285) = 22.7593 \times .0306 = .6964$
 White vs. Bi-Racial: $3 \times 21.271 \times .314 (.0008 + .0454) = 22.7593 \times .0462 = 1.0514$
 White vs. Other: $3 \times 21.271 \times .314 (.0008 + .0285) = 22.7593 \times .0293 = .6668$
 Bi-Racial vs. Other: $3 \times 21.271 \times .314 (.0454 + .0285) = 22.7593 \times .0739 = 1.6819$

9.

- a. $K: 4 - 1 = 3$
- b. MSE: .312
- c. F: 18.516
- d. Groups:
 - i. Black: 455
 - ii. White: 1167
 - iii. Bi-Racial: 22
 - iv. Other: 35
- e. Mean Differences:
 - i. Black vs. White: $1.142 - .920 = .222^{**}$
 - ii. Black vs. Bi-Racial: $1.142 - 1.257 = -.115$
 - iii. Black vs. Other: $1.142 - 1.134 = .008$
 - iv. White vs. Bi-Racial: $.920 - 1.257 = -.337$
 - v. White vs. Other: $.920 - 1.134 = -.214$
 - vi. Bi-Racial vs. Other: $1.257 - 1.134 = .123$

Scheffe Test

Black vs. White: $3 \times 18.516 \times .312 (.0021 + .0008) = 17.3309 \times .0029 = .0502$
 Black vs. Bi-Racial: $3 \times 18.516 \times .312 (.0021 + .0454) = 17.3309 \times .0475 = .8232$
 Black vs. Other: $3 \times 18.516 \times .312 (.0021 + .0285) = 17.3309 \times .0306 = .5303$
 White vs. Bi-Racial: $3 \times 18.516 \times .312 (.0008 + .0454) = 17.3309 \times .0462 = .8006$
 White vs. Other: $3 \times 18.516 \times .312 (.0008 + .0285) = 17.3309 \times .0293 = .5077$

Bi-Racial vs. Other: $3 \times 18.516 \times .312 (.0454 + .0285) = 17.3309 \times .0739 = 1.2807$

10.

- a. $K: 4 - 1 = 3$
- b. MSE: .315
- c. F: 21.545
- d. Groups:
 - i. Black: 455
 - ii. White: 1168
 - iii. Bi-Racial: 23
 - iv. Other: 33
- e. Mean Differences:
 - i. Black vs. White: $1.158 - .919 = .239^{**}$
 - ii. Black vs. Bi-Racial: $1.158 - 1.295 = -.137$
 - iii. Black vs. Other: $1.158 - 1.149 = .009$
 - iv. White vs. Bi-Racial: $.919 - 1.295 = -.376$
 - v. White vs. Other: $.919 - 1.149 = -.23$
 - vi. Bi-Racial vs. Other: $1.295 - 1.149 = .146$

Scheffe Test

Black vs. White: $3 \times 21.545 \times .315 (.0021 + .0008) = 20.3600 \times .0029 = .0581$

Black vs. Bi-Racial: $3 \times 21.545 \times .315 (.0021 + .0434) = 20.3600 \times .0455 = .9116$

Black vs. Other: $3 \times 21.545 \times .315 (.0021 + .0303) = 20.3600 \times .0324 = .6492$

White vs. Bi-Racial: $3 \times 21.545 \times .315 (.0008 + .0434) = 20.3600 \times .0442 = .8856$

White vs. Other: $3 \times 21.545 \times .315 (.0008 + .0303) = 20.3600 \times .0311 = .6231$

Bi-Racial vs. Other: $3 \times 21.545 \times .315 (.0434 + .0303) = 20.3600 \times .0737 = 1.4767$

Offence Type: SC1

1.

- a. $K: 4 - 1 = 3$
- b. MSE: .314
- c. F: 22.394
- d. Groups:
 - i. Minor: 162
 - ii. Drugs: 176
 - iii. Property: 805
 - iv. Violence: 536
- e. Mean differences
 - i. Minor vs. Drugs = $.929 - 1.184 = -.255^{**}$
 - ii. Minor vs. Property = $.929 - 1.271 = -.342^{**}$
 - iii. Minor vs. Violence = $.929 - 1.089 = -.16^{**}$
 - iv. Drugs vs. Property = $1.184 - 1.271 = -.087$
 - v. Drugs vs. Violence = $1.184 - 1.089 = .095$
 - vi. Property vs. Violence = $1.271 - 1.089 = .182^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 22.394 \times .314 (.0061 + .0056) = 21.0951 \times .0117 = .2468$

Minor vs. Property: $3 \times 22.394 \times .314 (.0061 + .0012) = 21.0951 \times .0073 = .1539$

Minor vs. Violence: $3 \times 22.394 \times .314 (.0061 + .0018) = 21.0951 \times .0079 = .1666$

Drugs vs. Property: $3 \times 22.394 \times .314 (.0056 + .0012) = 21.0951 \times .0068 = .1434$

Drugs vs. Violence: $3 \times 22.394 \times .314 (.0056 + .0018) = 21.0951 \times .0074 = .1561$

Property vs. Violence: $3 \times 22.394 \times .314 (.0012 + .0018) = 21.0951 \times .003 = .0632$

2.

- a. $K: 4 - 1 = 3$
- b. MSE: .311
- c. F: 26.201

- d. Groups:
 - i. Minor: 162
 - ii. Drugs: 176
 - iii. Property: 797
 - iv. Violence: 544
- e. Mean differences
 - i. Minor vs. Drugs = $.882 - 1.219 = -.337^{**}$
 - ii. Minor vs. Property = $.882 - 1.278 = -.396^{**}$
 - iii. Minor vs. Violence = $.882 - 1.115 = -.233^{**}$
 - iv. Drugs vs. Property = $1.219 - 1.278 = -.059$
 - v. Drugs vs. Violence = $1.219 - 1.115 = .104$
 - vi. Property vs. Violence = $1.278 - 1.115 = .163^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 26.201 * .311 (.0061 + .0056) = 24.4455 * .0117 = .2860$
 Minor vs. Property: $3 * 26.201 * .311 (.0061 + .0012) = 24.4455 * .0073 = .1784$
 Minor vs. Violence: $3 * 26.201 * .311 (.0061 + .0018) = 24.4455 * .0079 = .1931$
 Drugs vs. Property: $3 * 26.201 * .311 (.0061 + .0012) = 24.4455 * .0073 = .1784$
 Drugs vs. Violence: $3 * 26.201 * .311 (.0061 + .0018) = 24.4455 * .0079 = .1931$
 Property vs. Violence: $3 * 26.201 * .311 (.0012 + .0018) = 24.4455 * .0030 = .0733$

3.

- a. $K: 4 - 1 = 3$
- b. MSE: .312
- c. F: 25.291
- d. Groups:
 - i. Minor: 158
 - ii. Drugs: 179
 - iii. Property: 795
 - iv. Violence: 547
- e. Mean differences
 - i. Minor vs. Drugs = $.863 - 1.158 = -.295^{**}$
 - ii. Minor vs. Property = $.863 - 1.259 = -.396^{**}$
 - iii. Minor vs. Violence = $.863 - 1.100 = -.237^{**}$
 - iv. Drugs vs. Property = $1.158 - 1.259 = -.101$
 - v. Drugs vs. Violence = $1.158 - 1.100 = .058$
 - vi. Property vs. Violence = $1.259 - 1.100 = .159^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 25.291 * .312 (.0063 + .0055) = 23.6723 * .0118 = .2793$
 Minor vs. Property: $3 * 25.291 * .312 (.0063 + .0012) = 23.6723 * .0075 = .1775$
 Minor vs. Violence: $3 * 25.291 * .312 (.0063 + .0018) = 23.6723 * .0081 = .1917$
 Drugs vs. Property: $3 * 25.291 * .312 (.0055 + .0012) = 23.6723 * .0067 = .1586$
 Drugs vs. Violence: $3 * 25.291 * .312 (.0055 + .0018) = 23.6723 * .0073 = .1728$
 Property vs. Violence: $3 * 25.291 * .312 (.0012 + .0018) = 23.6723 * .0030 = .0710$

4.

- a. $K: 4 - 1 = 3$
- b. MSE: .313
- c. F: 27.419
- d. Groups:
 - i. Minor: 156
 - ii. Drugs: 175
 - iii. Property: 807

- iv. Violence: 541
- e. Mean differences
 - i. Minor vs. Drugs = $.900 - 1.191 = -.291^{**}$
 - ii. Minor vs. Property = $.900 - 1.295 = -.395^{**}$
 - iii. Minor vs. Violence = $.900 - 1.105 = -.205$
 - iv. Drugs vs. Property = $1.191 - 1.295 = -.104$
 - v. Drugs vs. Violence = $1.191 - 1.105 = .086$
 - vi. Property vs. Violence = $1.295 - 1.105 = .19^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 27.419 * .313 (.0064 + .0057) = 25.7464 * .0121 = .3115$
 Minor vs. Property: $3 * 27.419 * .313 (.0064 + .0012) = 25.7464 * .0076 = .1956$
 Minor vs. Violence: $3 * 27.419 * .313 (.0064 + .0018) = 25.7464 * .0082 = .2111$
 Drugs vs. Property: $3 * 27.419 * .313 (.0057 + .0012) = 25.7464 * .0069 = .1776$
 Drugs vs. Violence: $3 * 27.419 * .313 (.0057 + .0018) = 25.7464 * .0075 = .1930$
 Property vs. Violence: $3 * 27.419 * .313 (.0012 + .0018) = 25.7464 * .0030 = .0772$

5.

- a. $K: 4 - 1 = 3$
- b. MSE: .311
- c. F: 30.707
- d. Groups:
 - i. Minor: 149
 - ii. Drugs: 181
 - iii. Property: 813
 - iv. Violence: 536
- e. Mean differences
 - i. Minor vs. Drugs = $.834 - 1.171 = -.337$
 - ii. Minor vs. Property = $.834 - 1.270 = -.436^{**}$
 - iii. Minor vs. Violence = $.834 - 1.084 = -.25^{**}$
 - iv. Drugs vs. Property = $1.171 - 1.270 = -.099$
 - v. Drugs vs. Violence = $1.171 - 1.084 = .087$
 - vi. Property vs. Violence = $1.270 - 1.084 = .186^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 30.707 * .311 (.0067 + .0055) = 28.6496 * .0122 = .3495$
 Minor vs. Property: $3 * 30.707 * .311 (.0067 + .0012) = 28.6496 * .0079 = .2263$
 Minor vs. Violence: $3 * 30.707 * .311 (.0067 + .0018) = 28.6496 * .0085 = .2435$
 Drugs vs. Property: $3 * 30.707 * .311 (.0055 + .0012) = 28.6496 * .0067 = .1919$
 Drugs vs. Violence: $3 * 30.707 * .311 (.0055 + .0018) = 28.6496 * .0073 = .2091$
 Property vs. Violence: $3 * 30.707 * .311 (.0012 + .0018) = 28.6496 * .0030 = .0859$

6.

- a. $K: 4 - 1 = 3$
- b. MSE: .315
- c. F: 21.133
- d. Groups:
 - i. Minor: 158
 - ii. Drugs: 178
 - iii. Property: 794
 - iv. Violence: 549
- e. Mean differences
 - i. Minor vs. Drugs = $.900 - 1.194 = -.294^{**}$
 - ii. Minor vs. Property = $.900 - 1.266 = -.366^{**}$
 - iii. Minor vs. Violence = $.900 - 1.122 = -.222^{**}$
 - iv. Drugs vs. Property = $1.194 - 1.266 = -.072$

- v. Drugs vs. Violence = $1.194 - 1.122 = .072$
- vi. Property vs. Violence = $1.266 - 1.122 = .144^{**}$

Scheffe Test

Minor vs. Drugs: $3*21.133*.315 (.0063+.0056) = 19.9706*.0119 = .2376$
 Minor vs. Property: $3*21.133*.315 (.0063+.0012) = 19.9706*.0075 = .1497$
 Minor vs. Violence: $3*21.133*.315 (.0063+.0018) = 19.9706*.0081 = .1617$
 Drugs vs. Property: $3*21.133*.315 (.0056+.0012) = 19.9706*.0068 = .1358$
 Drugs vs. Violence: $3*21.133*.315 (.0056+.0018) = 19.9706*.0074 = .1477$
 Property vs. Violence: $3*21.133*.315 (.0012+.0018) = 19.9706*.0030 = .0599$

7.

- a. $K: 4 - 1 = 3$
- b. MSE: .314
- c. F: 21.454
- d. Groups:
 - i. Minor: 158
 - ii. Drugs: 177
 - iii. Property: 799
 - iv. Violence: 545
- e. Mean differences
 - i. Minor vs. Drugs = $.907 - 1.217 = -.31^{**}$
 - ii. Minor vs. Property = $.907 - 1.259 = -.352^{**}$
 - iii. Minor vs. Violence = $.907 - 1.101 = -.194^{**}$
 - iv. Drugs vs. Property = $1.217 - 1.259 = -.042$
 - v. Drugs vs. Violence = $1.217 - 1.101 = .116$
 - vi. Property vs. Violence = $1.259 - 1.101 = .158^{**}$

Scheffe Test

Minor vs. Drugs: $3*21.454*.314 (.0063+.0056) = 20.2096*.0119 = .2404$
 Minor vs. Property: $3*21.454*.314 (.0063+.0012) = 20.2096*.0075 = .1515$
 Minor vs. Violence: $3*21.454*.314 (.0063+.0018) = 20.2096*.0081 = .1636$
 Drugs vs. Property: $3*21.454*.314 (.0056+.0012) = 20.2096*.0068 = .1374$
 Drugs vs. Violence: $3*21.454*.314 (.0056+.0018) = 20.2096*.0074 = .1495$
 Property vs. Violence: $3*21.454*.314 (.0012+.0018) = 20.2096*.0030 = .0606$

8.

- a. $K: 4 - 1 = 3$
- b. MSE: .317
- c. F: 18.619
- d. Groups:
 - i. Minor: 167
 - ii. Drugs: 176
 - iii. Property: 799
 - iv. Violence: 537
- e. Mean differences
 - i. Minor vs. Drugs = $.966 - 1.181 = -.215^{**}$
 - ii. Minor vs. Property = $.966 - 1.271 = -.305^{**}$
 - iii. Minor vs. Violence = $.966 - 1.098 = -.132$
 - iv. Drugs vs. Property = $1.181 - 1.271 = -.09$
 - v. Drugs vs. Violence = $1.181 - 1.098 = .083$
 - vi. Property vs. Violence = $1.271 - 1.098 = .173^{**}$

Scheffe Test

Minor vs. Drugs: $3*18.619*.317 (.0059+.0056) = 17.7066*.0115 = .2036$
 Minor vs. Property: $3*18.619*.317 (.0059+.0012) = 17.7066*.0071 = .1257$

Minor vs. Violence: $3 \times 18.619 \times .317 (.0059 + .0018) = 17.7066 \times .0077 = .1363$
 Drugs vs. Property: $3 \times 18.619 \times .317 (.0056 + .0012) = 17.7066 \times .0068 = .1204$
 Drugs vs. Violence: $3 \times 18.619 \times .317 (.0056 + .0018) = 17.7066 \times .0074 = .1310$
 Property vs. Violence: $3 \times 18.619 \times .317 (.0012 + .0018) = 17.7066 \times .0030 = .0531$
 9.

- a. $K: 4 - 1 = 3$
- b. MSE: .312
- c. F: 25.917
- d. Groups:
 - i. Minor: 151
 - ii. Drugs: 181
 - iii. Property: 801
 - iv. Violence: 546
- e. Mean differences
 - i. Minor vs. Drugs = $.858 - 1.230 = -.372^{**}$
 - ii. Minor vs. Property = $.858 - 1.262 = -.404^{**}$
 - iii. Minor vs. Violence = $.858 - 1.103 = -.245^{**}$
 - iv. Drugs vs. Property = $1.230 - 1.262 = -.32^{**}$
 - v. Drugs vs. Violence = $1.230 - 1.103 = .127$
 - vi. Property vs. Violence = $1.262 - 1.103 = .159^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 25.917 \times .312 (.0066 + .0055) = 24.2583 \times .0121 = .2935$
 Minor vs. Property: $3 \times 25.917 \times .312 (.0066 + .0012) = 24.2583 \times .0078 = .1892$
 Minor vs. Violence: $3 \times 25.917 \times .312 (.0066 + .0018) = 24.2583 \times .0084 = .2037$
 Drugs vs. Property: $3 \times 25.917 \times .312 (.0055 + .0012) = 24.2583 \times .0077 = .1867$
 Drugs vs. Violence: $3 \times 25.917 \times .312 (.0055 + .0018) = 24.2583 \times .0073 = .1770$
 Property vs. Violence: $3 \times 25.917 \times .312 (.0012 + .0018) = 24.2583 \times .0030 = .0727$
 10.

- a. $K: 4 - 1 = 3$
- b. MSE: .315
- c. F: 21.827
- d. Groups:
 - i. Minor: 159
 - ii. Drugs: 192
 - iii. Property: 791
 - iv. Violence: 537
- e. Mean differences
 - i. Minor vs. Drugs = $.941 - 1.203 = -.262^{**}$
 - ii. Minor vs. Property = $.941 - 1.279 = -.338^{**}$
 - iii. Minor vs. Violence = $.941 - 1.097 = -.156$
 - iv. Drugs vs. Property = $1.203 - 1.279 = -.076$
 - v. Drugs vs. Violence = $1.203 - 1.097 = -.9767^{**}$
 - vi. Property vs. Violence = $1.279 - 1.097 = .182^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 21.827 \times .315 (.0062 + .0052) = 20.6265 \times .0117 = .2413$
 Minor vs. Property: $3 \times 21.827 \times .315 (.0062 + .0012) = 20.6265 \times .0074 = .1526$
 Minor vs. Violence: $3 \times 21.827 \times .315 (.0062 + .0018) = 20.6265 \times .008 = .1650$
 Drugs vs. Property: $3 \times 21.827 \times .315 (.0052 + .0012) = 20.6265 \times .0064 = .1320$
 Drugs vs. Violence: $3 \times 21.827 \times .315 (.0052 + .0018) = 20.6265 \times .007 = .1443$
 Property vs. Violence: $3 \times 21.827 \times .315 (.0012 + .0018) = 20.6265 \times .0030 = .0618$

Offence Type: SC7

1.

- a. $K: 4 - 1 = 3$
- b. MSE: .293
- c. F: 19.631
- d. Groups:
 - i. Minor: 162
 - ii. Drugs: 176
 - iii. Property: 805
 - iv. Violence: 536
- e. Mean differences
 - i. Minor vs. Drugs = $1.252 - 1.205 = .047$
 - ii. Minor vs. Property = $1.252 - 1.354 = -.102$
 - iii. Minor vs. Violence = $1.252 - 1.508 = -.256^{**}$
 - iv. Drugs vs. Property = $1.205 - 1.354 = -.149^{**}$
 - v. Drugs vs. Violence = $1.205 - 1.508 = -.302^{**}$
 - vi. Property vs. Violence = $1.354 - 1.508 = -.154^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 19.631 * .293 (.0061 + .0056) = 17.2556 * .0117 = .2018$
 Minor vs. Property: $3 * 19.631 * .293 (.0061 + .0012) = 17.2556 * .0073 = .1259$
 Minor vs. Violence: $3 * 19.631 * .293 (.0061 + .0018) = 17.2556 * .0079 = .1363$
 Drugs vs. Property: $3 * 19.631 * .293 (.0056 + .0012) = 17.2556 * .0068 = .1173$
 Drugs vs. Violence: $3 * 19.631 * .293 (.0056 + .0018) = 17.2556 * .0074 = .1276$
 Property vs. Violence: $3 * 19.631 * .293 (.0012 + .0018) = 17.2556 * .003 = .0517$

2.

- a. $K: 4 - 1 = 3$
- b. MSE: .295
- c. F: 21.066
- d. Groups:
 - i. Minor: 162
 - ii. Drugs: 176
 - iii. Property: 797
 - iv. Violence: 544
- e. Mean differences
 - i. Minor vs. Drugs = $1.266 - 1.157 = .109$
 - ii. Minor vs. Property = $1.266 - 1.362 = -.096$
 - iii. Minor vs. Violence = $1.266 - 1.498 = -.232^{**}$
 - iv. Drugs vs. Property = $1.157 - 1.362 = -.205^{**}$
 - v. Drugs vs. Violence = $1.157 - 1.498 = -.341^{**}$
 - vi. Property vs. Violence = $1.362 - 1.498 = -.136^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 21.066 * .295 (.0061 + .0056) = 18.6434 * .0117 = .2181$
 Minor vs. Property: $3 * 21.066 * .295 (.0061 + .0012) = 18.6434 * .0073 = .1360$
 Minor vs. Violence: $3 * 21.066 * .295 (.0061 + .0018) = 18.6434 * .0079 = .1472$
 Drugs vs. Property: $3 * 21.066 * .295 (.0061 + .0012) = 18.6434 * .0073 = .1360$
 Drugs vs. Violence: $3 * 21.066 * .295 (.0061 + .0018) = 18.6434 * .0079 = .1472$
 Property vs. Violence: $3 * 21.066 * .295 (.0012 + .0018) = 18.6434 * .0030 = .0559$

3.

- a. $K: 4 - 1 = 3$
- b. MSE: .294
- c. F: 21.093
- d. Groups:

- i. Minor: 158
 - ii. Drugs: 179
 - iii. Property: 795
 - iv. Violence: 547
- e. Mean differences
 - i. Minor vs. Drugs = $1.268 - 1.187 = .081$
 - ii. Minor vs. Property = $1.268 - 1.346 = -.078$
 - iii. Minor vs. Violence = $1.268 - 1.509 = -.241^{**}$
 - iv. Drugs vs. Property = $1.187 - 1.346 = -.159^{**}$
 - v. Drugs vs. Violence = $1.187 - 1.509 = -.322^{**}$
 - vi. Property vs. Violence = $1.346 - 1.509 = -.163^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 21.093 * .294 (.0063 + .0055) = 18.6040 * .0118 = .2195$
 Minor vs. Property: $3 * 21.093 * .294 (.0063 + .0012) = 23.6723 * .0075 = .1775$
 Minor vs. Violence: $3 * 21.093 * .294 (.0063 + .0018) = 23.6723 * .0081 = .1917$
 Drugs vs. Property: $3 * 21.093 * .294 (.0055 + .0012) = 23.6723 * .0067 = .1586$
 Drugs vs. Violence: $3 * 21.093 * .294 (.0055 + .0018) = 23.6723 * .0073 = .1728$
 Property vs. Violence: $3 * 21.093 * .294 (.0012 + .0018) = 23.6723 * .0030 = .0710$

4.

- a. $K: 4 - 1 = 3$
- b. MSE: .291
- c. F: 19.604
- d. Groups:
 - i. Minor: 156
 - ii. Drugs: 175
 - iii. Property: 807
 - iv. Violence: 541
- e. Mean differences
 - i. Minor vs. Drugs = $1.284 - 1.192 = .092$
 - ii. Minor vs. Property = $1.284 - 1.361 = -.077$
 - iii. Minor vs. Violence = $1.284 - 1.510 = -.227^{**}$
 - iv. Drugs vs. Property = $1.192 - 1.361 = -.169^{**}$
 - v. Drugs vs. Violence = $1.192 - 1.510 = -.319^{**}$
 - vi. Property vs. Violence = $1.361 - 1.510 = -.150^{**}$

Scheffe Test

Minor vs. Drugs: $3 * 19.604 * .291 (.0064 + .0057) = 17.1142 * .0121 = .2070$
 Minor vs. Property: $3 * 19.604 * .291 (.0064 + .0012) = 17.1142 * .0076 = .1300$
 Minor vs. Violence: $3 * 19.604 * .291 (.0064 + .0018) = 17.1142 * .0082 = .1403$
 Drugs vs. Property: $3 * 19.604 * .291 (.0057 + .0012) = 17.1142 * .0069 = .1180$
 Drugs vs. Violence: $3 * 19.604 * .291 (.0057 + .0018) = 17.1142 * .0075 = .1283$
 Property vs. Violence: $3 * 19.604 * .291 (.0012 + .0018) = 17.1142 * .0030 = .0513$

5.

- a. $K: 4 - 1 = 3$
- b. MSE: .289
- c. F: 19.276
- d. Groups:
 - i. Minor: 149
 - ii. Drugs: 181
 - iii. Property: 813
 - iv. Violence: 536
- e. Mean differences
 - i. Minor vs. Drugs = $1.288 - 1.185 = .104$

- ii. Minor vs. Property = $1.288 - 1.360 = -.072$
- iii. Minor vs. Violence = $1.288 - 1.504 = -.215^{**}$
- iv. Drugs vs. Property = $1.185 - 1.360 = -.175^{**}$
- v. Drugs vs. Violence = $1.185 - 1.504 = -.319^{**}$
- vi. Property vs. Violence = $1.360 - 1.504 = -.144^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 19.276 \times .289 (.0067 + .0055) = 16.7122 \times .0122 = .2038$
 Minor vs. Property: $3 \times 19.276 \times .289 (.0067 + .0012) = 16.7122 \times .0079 = .1320$
 Minor vs. Violence: $3 \times 19.276 \times .289 (.0067 + .0018) = 16.7122 \times .0085 = .1420$
 Drugs vs. Property: $3 \times 19.276 \times .289 (.0055 + .0012) = 16.7122 \times .0067 = .1119$
 Drugs vs. Violence: $3 \times 19.276 \times .289 (.0055 + .0018) = 16.7122 \times .0073 = .1219$
 Property vs. Violence: $3 \times 19.276 \times .289 (.0012 + .0018) = 16.7122 \times .0030 = .0501$

6.

- a. $K: 4 - 1 = 3$
- b. MSE: .291
- c. F: 17.930
- d. Groups:
 - i. Minor: 158
 - ii. Drugs: 178
 - iii. Property: 794
 - iv. Violence: 549
- e. Mean differences
 - i. Minor vs. Drugs = $1.280 - 1.196 = .084$
 - ii. Minor vs. Property = $1.280 - 1.363 = -.083$
 - iii. Minor vs. Violence = $1.280 - 1.499 = -.219^{**}$
 - iv. Drugs vs. Property = $1.196 - 1.363 = -.167^{**}$
 - v. Drugs vs. Violence = $1.196 - 1.499 = -.303^{**}$
 - vi. Property vs. Violence = $1.363 - 1.499 = -.137^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 17.930 \times .291 (.0063 + .0056) = 15.6528 \times .0119 = .1862$
 Minor vs. Property: $3 \times 17.930 \times .291 (.0063 + .0012) = 15.6528 \times .0075 = .1173$
 Minor vs. Violence: $3 \times 17.930 \times .291 (.0063 + .0018) = 15.6528 \times .0081 = .1267$
 Drugs vs. Property: $3 \times 17.930 \times .291 (.0056 + .0012) = 15.6528 \times .0068 = .1064$
 Drugs vs. Violence: $3 \times 17.930 \times .291 (.0056 + .0018) = 15.6528 \times .0074 = .1158$
 Property vs. Violence: $3 \times 17.930 \times .291 (.0012 + .0018) = 15.6528 \times .0030 = .0469$

7.

- a. $K: 4 - 1 = 3$
- b. MSE: .287
- c. F: 22.310
- d. Groups:
 - i. Minor: 158
 - ii. Drugs: 177
 - iii. Property: 799
 - iv. Violence: 545
- e. Mean differences
 - i. Minor vs. Drugs = $1.266 - 1.158 = .108$
 - ii. Minor vs. Property = $1.266 - 1.359 = -.093$
 - iii. Minor vs. Violence = $1.266 - 1.502 = -.236^{**}$
 - iv. Drugs vs. Property = $1.158 - 1.359 = -.201^{**}$
 - v. Drugs vs. Violence = $1.158 - 1.502 = -.344^{**}$
 - vi. Property vs. Violence = $1.158 - 1.502 = -.143^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 22.310 \times .287 (.0063 + .0056) = 19.2089 \times .0119 = .2285$
 Minor vs. Property: $3 \times 22.310 \times .287 (.0063 + .0012) = 19.2089 \times .0075 = .1140$
 Minor vs. Violence: $3 \times 22.310 \times .287 (.0063 + .0018) = 19.2089 \times .0081 = .1555$
 Drugs vs. Property: $3 \times 22.310 \times .287 (.0056 + .0012) = 19.2089 \times .0068 = .1306$
 Drugs vs. Violence: $3 \times 22.310 \times .287 (.0056 + .0018) = 19.2089 \times .0074 = .1421$
 Property vs. Violence: $3 \times 22.310 \times .287 (.0012 + .0018) = 19.2089 \times .0030 = .0576$

8.

- a. $K: 4 - 1 = 3$
- b. MSE: .292
- c. F: 23.537
- d. Groups:
 - i. Minor: 167
 - ii. Drugs: 176
 - iii. Property: 799
 - iv. Violence: 537
- e. Mean differences
 - i. Minor vs. Drugs = $1.235 - 1.163 = .072$
 - ii. Minor vs. Property = $1.235 - 1.365 = -.130$
 - iii. Minor vs. Violence = $1.235 - 1.507 = -.272^{**}$
 - iv. Drugs vs. Property = $1.163 - 1.365 = -.202^{**}$
 - v. Drugs vs. Violence = $1.163 - 1.507 = -.344^{**}$
 - vi. Property vs. Violence = $1.365 - 1.507 = -.142^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 23.537 \times .292 (.0059 + .0056) = 20.6184 \times .0115 = .2371$
 Minor vs. Property: $3 \times 23.537 \times .292 (.0059 + .0012) = 20.6184 \times .0071 = .1463$
 Minor vs. Violence: $3 \times 23.537 \times .292 (.0059 + .0018) = 20.6184 \times .0077 = .1587$
 Drugs vs. Property: $3 \times 23.537 \times .292 (.0056 + .0012) = 20.6184 \times .0068 = .1402$
 Drugs vs. Violence: $3 \times 23.537 \times .292 (.0056 + .0018) = 20.6184 \times .0074 = .1525$
 Property vs. Violence: $3 \times 23.537 \times .292 (.0012 + .0018) = 20.6184 \times .0030 = .0618$

9.

- a. $K: 4 - 1 = 3$
- b. MSE: .292
- c. F: 20.223
- d. Groups:
 - i. Minor: 151
 - ii. Drugs: 181
 - iii. Property: 801
 - iv. Violence: 546
- e. Mean differences
 - i. Minor vs. Drugs = $1.293 - 1.191 = .102$
 - ii. Minor vs. Property = $1.293 - 1.347 = -.054$
 - iii. Minor vs. Violence = $1.293 - 1.510 = -.217^{**}$
 - iv. Drugs vs. Property = $1.191 - 1.347 = -.156^{**}$
 - v. Drugs vs. Violence = $1.191 - 1.510 = -.319^{**}$
 - vi. Property vs. Violence = $1.347 - 1.510 = -.163^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 20.223 \times .292 (.0066 + .0055) = 17.7153 \times .0121 = .2143$
 Minor vs. Property: $3 \times 20.223 \times .292 (.0066 + .0012) = 17.7153 \times .0078 = .1381$
 Minor vs. Violence: $3 \times 20.223 \times .292 (.0066 + .0018) = 17.7153 \times .0084 = .1488$
 Drugs vs. Property: $3 \times 20.223 \times .292 (.0055 + .0012) = 17.7153 \times .0077 = .1364$
 Drugs vs. Violence: $3 \times 20.223 \times .292 (.0055 + .0018) = 17.7153 \times .0073 = .1293$

Property vs. Violence: $3 \times 20.223 \times .292 (.0012 + .0018) = 17.7153 \times .0030 = .0531$
10.

- a. $K: 4 - 1 = 3$
- b. MSE: .296
- c. F: 18.059
- d. Groups:
 - i. Minor: 159
 - ii. Drugs: 192
 - iii. Property: 791
 - iv. Violence: 537
- e. Mean differences
 - i. Minor vs. Drugs = $1.275 - 1.214 = .061$
 - ii. Minor vs. Property = $1.275 - 1.345 = -.070$
 - iii. Minor vs. Violence = $1.275 - 1.503 = -.228^{**}$
 - iv. Drugs vs. Property = $1.214 - 1.345 = -.132^{**}$
 - v. Drugs vs. Violence = $1.214 - 1.503 = -.289^{**}$
 - vi. Property vs. Violence = $1.345 - 1.503 = -.157^{**}$

Scheffe Test

Minor vs. Drugs: $3 \times 18.059 \times .296 (.0062 + .0052) = 16.0363 \times .0114 = .1828$
 Minor vs. Property: $3 \times 18.059 \times .296 (.0062 + .0012) = 16.0363 \times .0074 = .1186$
 Minor vs. Violence: $3 \times 18.059 \times .296 (.0062 + .0018) = 16.0363 \times .0080 = .1282$
 Drugs vs. Property: $3 \times 18.059 \times .296 (.0052 + .0012) = 16.0363 \times .0064 = .1026$
 Drugs vs. Violence: $3 \times 18.059 \times .296 (.0052 + .0018) = 16.0363 \times .0070 = .1122$
 Property vs. Violence: $3 \times 18.059 \times .296 (.0012 + .0018) = 16.0363 \times .0030 = .0481$