Gathering Research:

Why all librarians should care about systematic reviews

ONTARIO LIBRARY ASSOCIATION SUPERCONFERENCE, FEB 2022
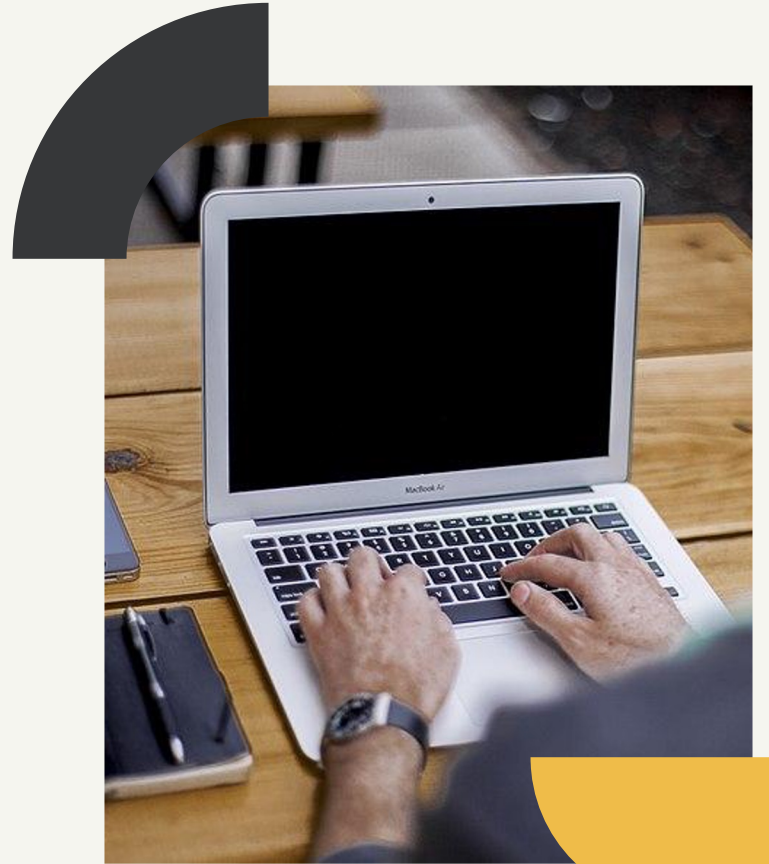
01

Image creator: Alejandro Escamilla
Used under CC0 1.0

Panelists

MÊ-LINH LÊ

University of Manitoba

CHRISTINE NEILSON

University of Manitoba

ZAHRA PREMJI

University of Victoria

JANICE HERMER

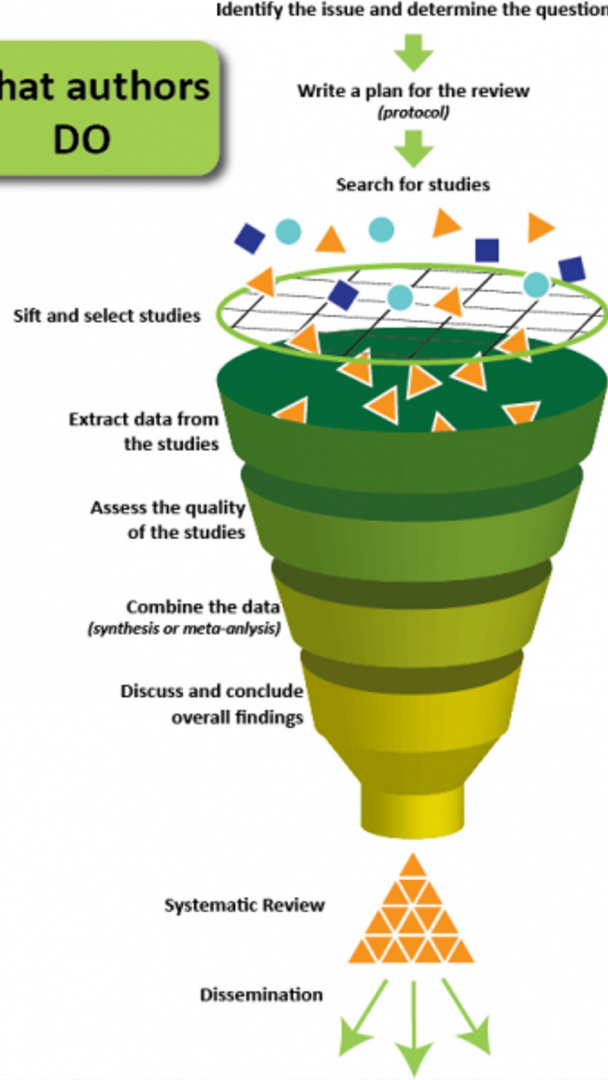**Arizona State University**

Agenda

Definitions

Research project summaries

Panel discussion

Questions can be asked in the chat throughout the presentation

Identify the issue and determine the question

Write a plan for the review *(protocol)*

Search for studies

Sift and select studies

Extract data from the studies

Assess the quality of the studies

Combine the data *(synthesis or meta-anlysis)*

Discuss and conclude overall findings

Systematic Review

Dissemination

What authors DO

Definitions

Research Presentations

Librarian Survey

Christine Neilson

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Goal 1: Benchmark involvement

Goal 2: Determine comfort, competence, and perceptions of support for involvement

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Goal 1: Benchmark involvement

Goal 2: Determine comfort, competence, and perceptions of support for involvement

Highlights:

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Goal 1: Benchmark involvement
Goal 2: Determine comfort, competence, and perceptions of support for involvement

Highlights:
- Requests

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Goal 1: Benchmark involvement
Goal 2: Determine comfort, competence, and perceptions of support for involvement

Highlights:

- Requests

- Activities

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Goal 1: Benchmark involvement
Goal 2: Determine comfort, competence, and perceptions of support for involvement

Highlights:

- Requests
- Activities
- Training & support for librarians

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Goal 1: Benchmark involvement
Goal 2: Determine comfort, competence, and perceptions of support for involvement

Highlights:

- Requests
- Activities
- Training & support for librarians
- Interest

Survey: *Librarian Support of Systematic Reviews in the Sciences, Humanities, and Social Sciences (SHSS)*

Co-investigators: Mê-Linh Lê, Janice Winkler, Christine Neilson

Goal 1: Benchmark involvement
Goal 2: Determine comfort, competence, and perceptions of support for involvement

Highlights:
- Requests
- Activities
- Training & support for librarians
- Interest
- Challenges

Who's publishing systematic reviews outside the health sciences?

Janice Hermer

Who's publishing systematic reviews outside the health sciences?

Co-investigators: Maribeth Slebodnik, University of Arizona & Kevin Pardon, Arizona State University

Aims
1. Investigate the characteristics of non-health sciences systematic reviews
2. Determine the disciplines outside the health sciences that are publishing SR's

Most common disciplines

Top five non-health sciences fields producing Systematic Reviews, as found in Scopus™

1. Social Sciences (including education, political science and social work)
2. Environmental Science
3. Business
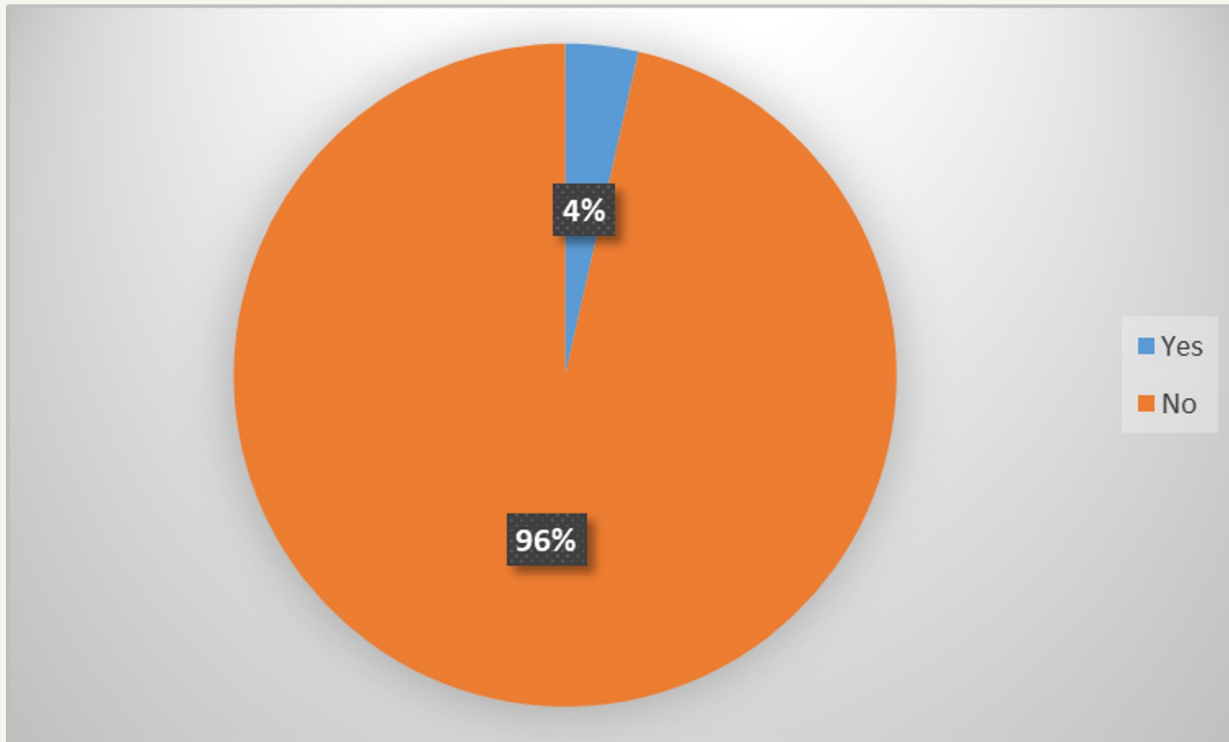4. Computer Science
5. Engineering

Guidelines or Standards

Top 5 guidelines or standards used in non-health sciences
Systematic Reviews:

1. PRISMA (Moher, Liberati)
2. Tranfield
3. Kitchenham
4. Petticrew
5. Cochrane (Higgins)
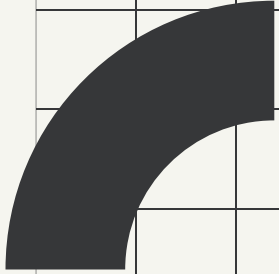
Librarian involvement

In non-health sciences Systematic Reviews

Yes
No

4%

96%

Upcoming publication

Our research article is under revision after peer review and will published in an upcoming issue of the open access journal, *ISTL: Issues in Science and Technology Librarianship*

https://journals.library.ualberta.ca/istl/index.php/istl/index

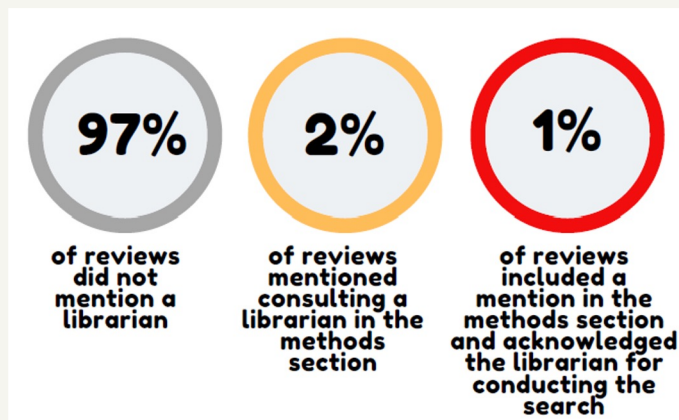# Systematic Reviews in Business

Zahra Premji

Exploring the involvement of librarians in systematic reviews in business – OLA 2020 [poster]

Goal: Examine the prevalence of librarian involvement by analyzing 100 published (in 2019) business systematic reviews

Method: Searched Web of Science for SRs in business. Excluded those with health, psychology, or tourism focus.
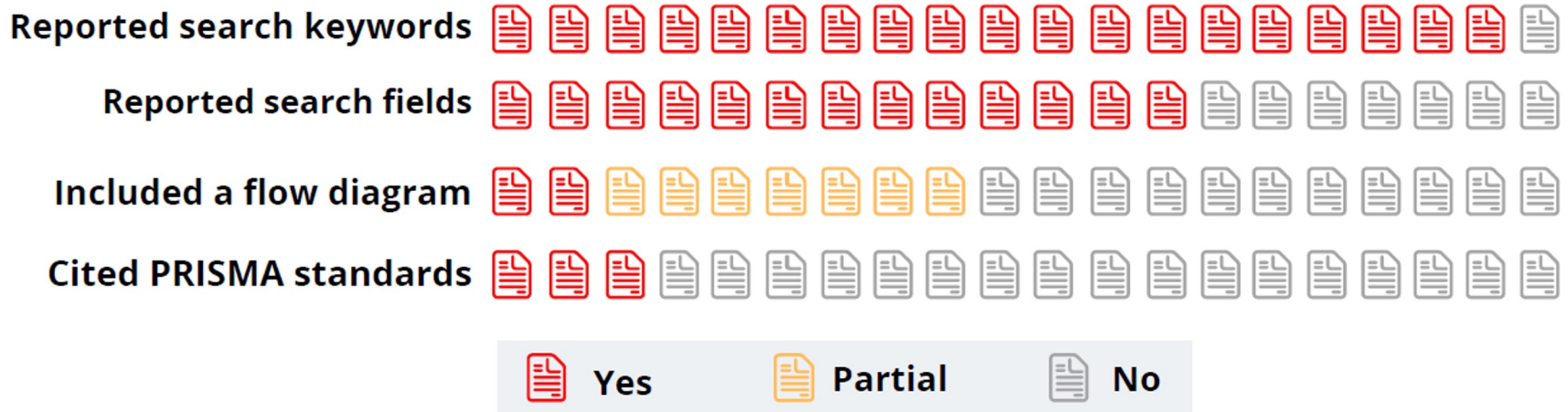
Extracted data from 100 reviews:
- # of authors
- # of databases
- mention of librarian

97% of reviews did not mention a librarian

2% of reviews mentioned consulting a librarian in the methods section

1% of reviews included a mention in the methods section and acknowledged the librarian for conducting the search

22

- Additional data from a random set of 20 reviews
  - reporting of keywords
  - reporting of search fields
  - inclusion of flow diagram
  - citation of a reporting guideline

Analysis of 20 randomly selected reviews

Reported search keywords

Reported search fields

Included a flow diagram

Cited PRISMA standards

Yes   Partial   No

An Exploration of Business Librarian Participation in Knowledge Synthesis Reviews

Zahra Premji, Ryan Splenda & Sarah Young. *College and Research Libraries* [in press]

Methods
- Qualtrics survey: Sent to business librarian listservs in April 2020.
- 24 MC and open ended questions:
  - Demographics
  - Familiarity and participation
  - Roles and steps of KS they are involved in
  - Training and development
  - Barriers, benefits and challenges
- Received 71 eligible and complete responses

Some results

- 21 of 71 respondents were currently involved in KS

- Step of KS librarians are involved in

- Roles

- Training

Resources

bit.ly/OLA-SystematicReviews

Panel Discussion