

Use of Scopus and WoS in literature reviews for doctoral theses

A Case Study Illustration

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#UPFCommResearch

Department of Communication

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Contents

Introduction

Methodology

Lessons Learned

Conclusion



Credits

Title: Use of Scopus and WoS in literature reviews for doctoral theses: A case study illustration

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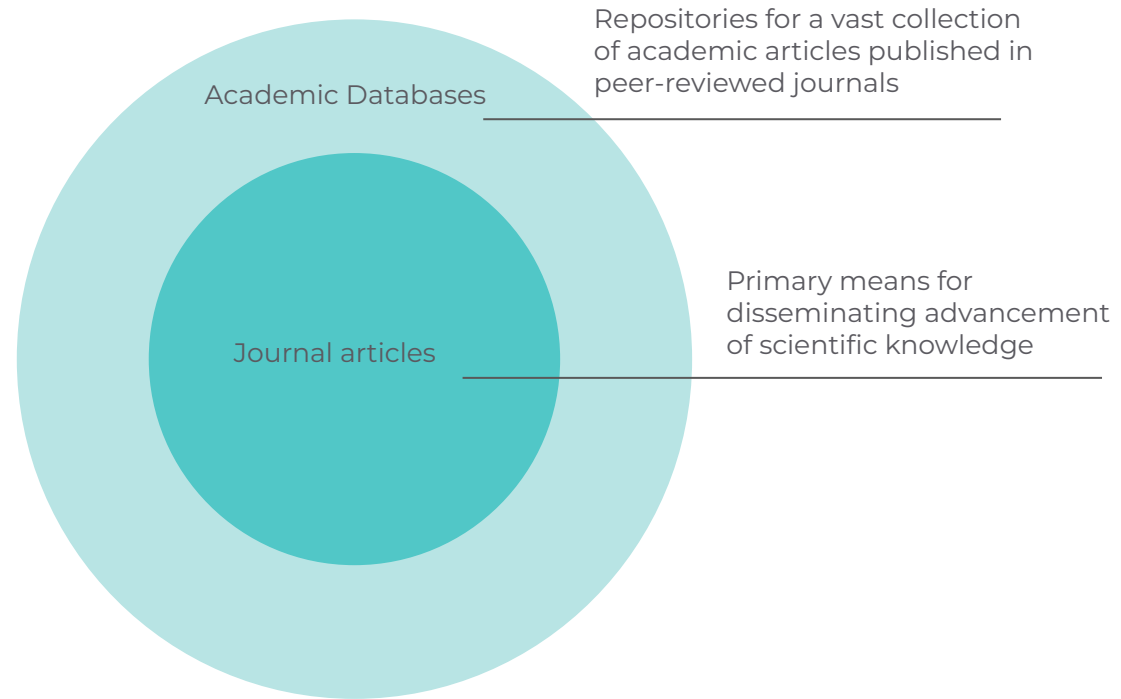
Abstract and Keywords

Abstract: Presentation of a case study and practical guidelines for conducting a scoping review using academic databases. Emphasis on the SALSA framework and its phases, while underscoring key steps for academic writing and dissemination.

Keywords: Literature reviews, scoping reviews, academic databases, research articles, peer-reviewed journals, search equations, SALSA framework, evidence base.

Introduction

Introduction



Some examples: Scopus, Web of Science, Dialnetplus, CSIC

Academic databases serve as a **primary source** for **identifying relevant literature** in a field of study, enabling the subsequent writing of a **literature review** or a **research article**

Introduction

What is a scoping review?

A “type of **evidence synthesis**” which follows a **systematic approach** to broadly explore areas of knowledge.

1. Analyse the extent, range and characteristics of a particular field of knowledge
2. Synthesise methods and theories
3. Identify research gaps

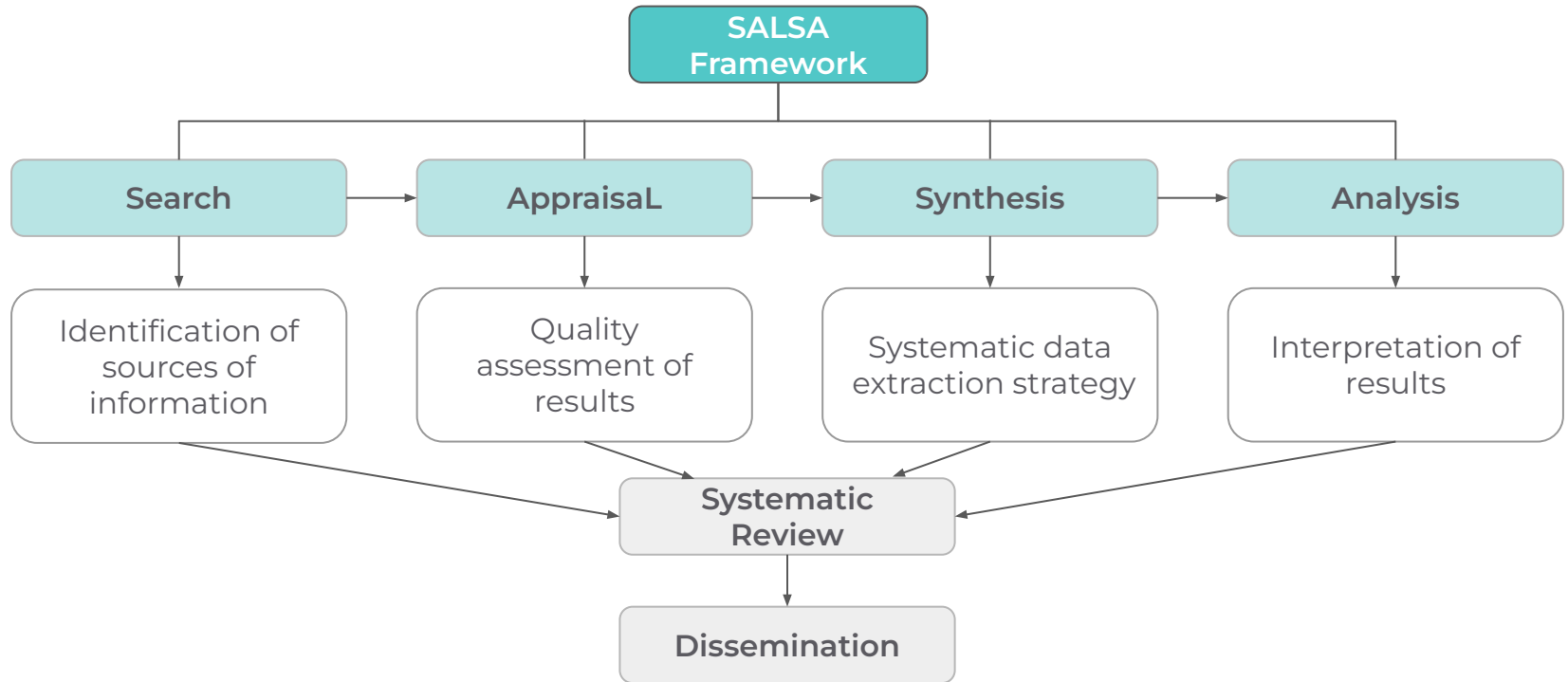
Codina L, Lopezosa C, Freixa P. (2021). Scoping reviews en trabajos académicos en comunicación: frameworks y fuentes, in: Larrondo Ureta A, Meso Ayerdi K, Peña Fernández S, (ed). *Información y Big Data en el sistema híbrido de medios - XIII Congreso Internacional de Ciberperiodismo*; Leioa, Basque Country, Universidad del País Vasco, 15-17 Nov 2021.

Tricco, A.C. et al. (2018) 'PRISMA Extension for Scoping Reviews (PRISMA-ScR): Checklist and Explanation'. *Annals of Internal Medicine*, 169(7), pp. 467-473. Available at: doi: 10.7326/M18-0850

Systematised reviews follow a
systematic, transparent
and **replicable** approach
that promotes **rigour** and
traceability

Methodology

Methodology



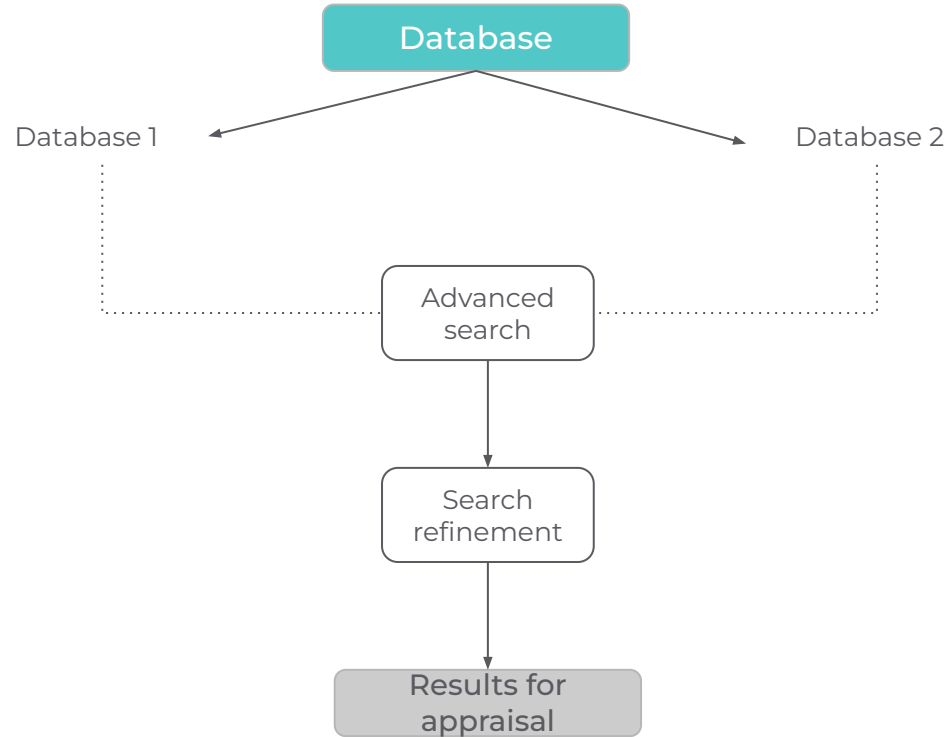


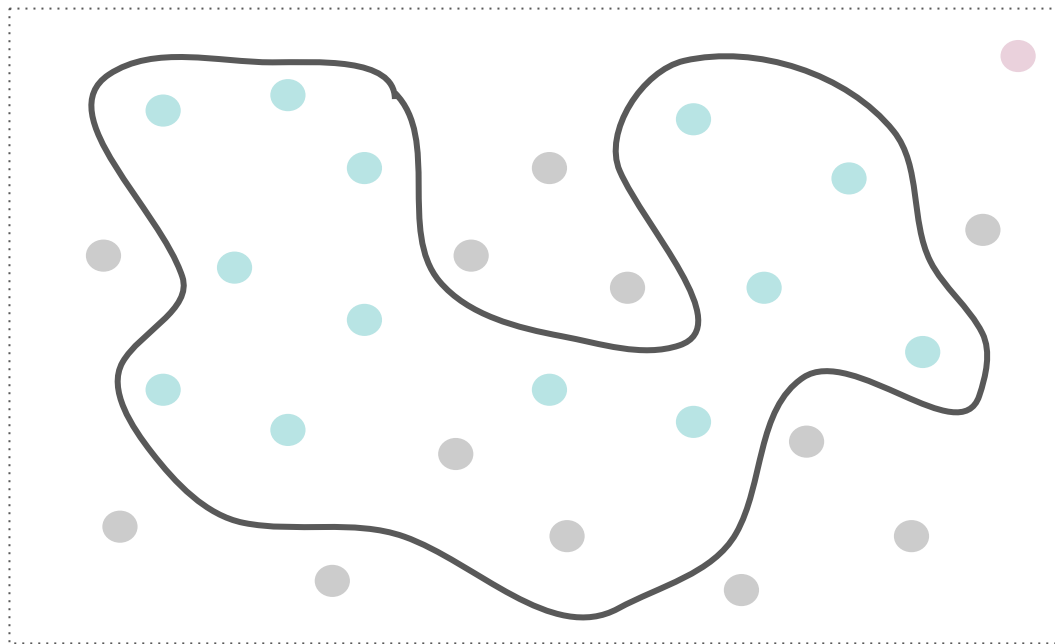
Search
Appraisal
Synthesis
Analysis

Checklist


- Keep record of the search process
- Select sources of information
- Choose the right keywords
- Form your search equation
- Use advanced search filters and refine results
- Save your search

Search process diagram





- False positive
- True positive
- False negative

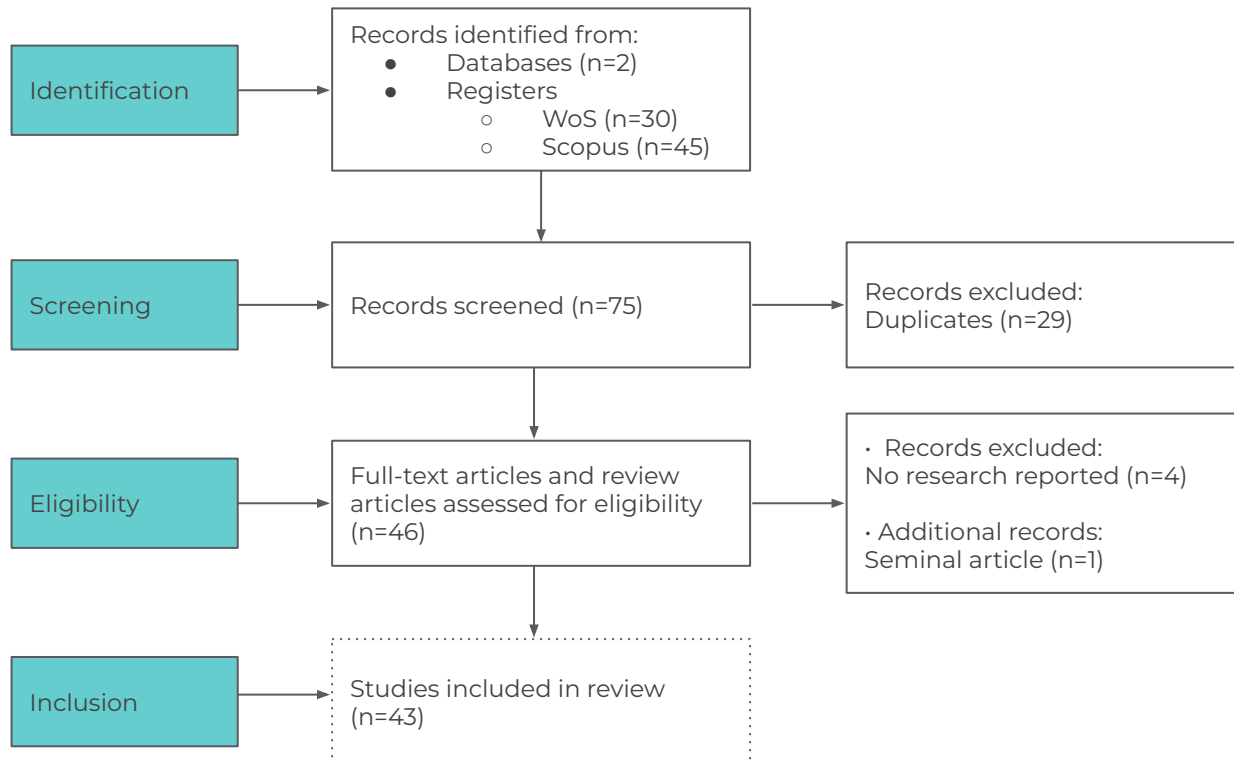


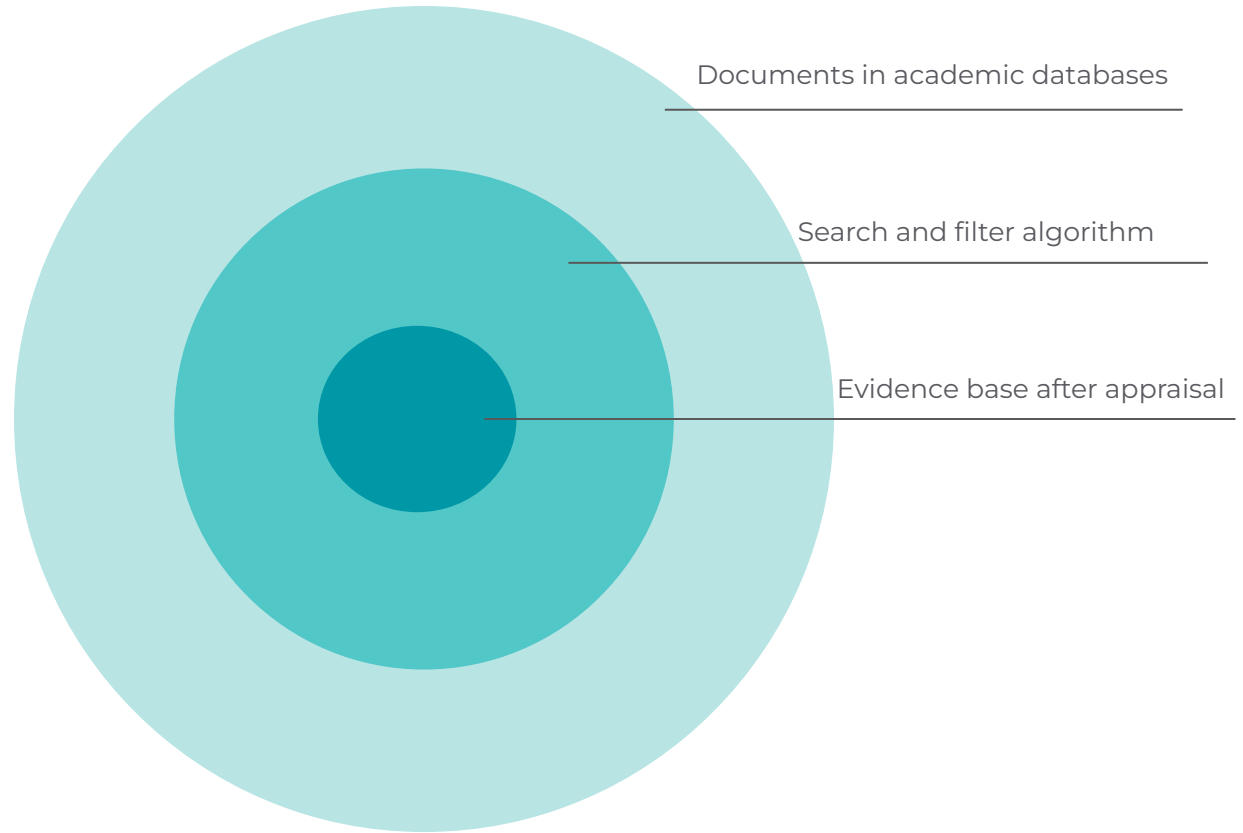
Search
Appraisal
Synthesis
Analysis


Checklist

- Keep record of the appraisal process
- Read abstracts
- Remove false positives
- Remove duplicates
- Confirm your evidence base

Flow Diagram (masked data)







Search
Appraisal
Synthesis
Analysis

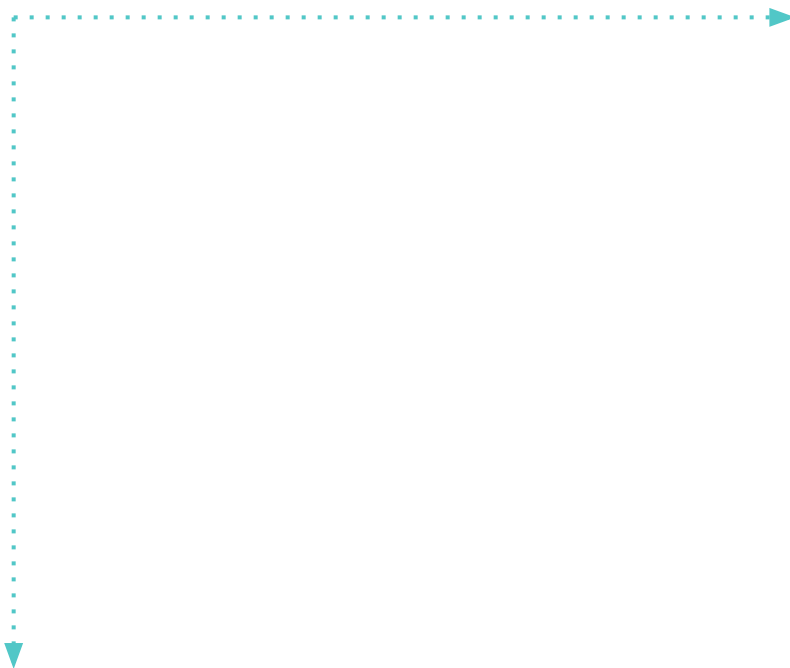


SALSA
framework

Matrix

COLUMNS
for
Topics

ROWS
for
Documents





Examples of Types of Data

Bibliographic Data

Authorship
Year of publication
Title
Keywords
Source

Narrative Data

Object of study
Objectives
Methodology
Results
Implications

Geographical Data

Continent
Country
Region

SDGs Data

Quotes
Mapped by Scopus

Example 1 - Bibliographic Data

ID	Author	Year	Title	Keywords	Source
1	Ripoll-González, Laura; Gale, Fred	2020	Place branding as participatory governance? An interdisciplinary case study of Tasmania, Australia	participatory governance; place branding; public policy; regional studies; action research; place development; Tasmania	Sage Open
2	Acuti, Diletta; Grazzini, Laura; Mazzoli, Valentina; Aiello, Gaetano	2019	Stakeholder engagement in green place branding: A focus on user-generated content	city identity; city image; environmental policy; green city; place branding; stakeholder engagement; user-generated content	Corporate Social Responsibility and Environmental Management



Example 2 - Geographical Data (masked data)

ID	Continent	Country	Region
8	Europe	Denmark	Aarhus
9	Not applicable	Not applicable	Not applicable
10	South America	Brazil	Rio de Janeiro
11	Asia	China	Pekin



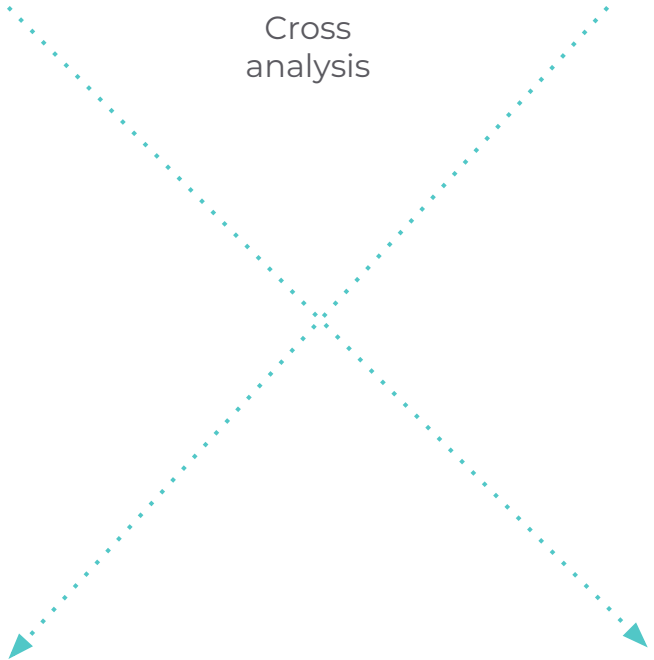
Search
Appraisal
Synthesis
Analysis



Linear analysis

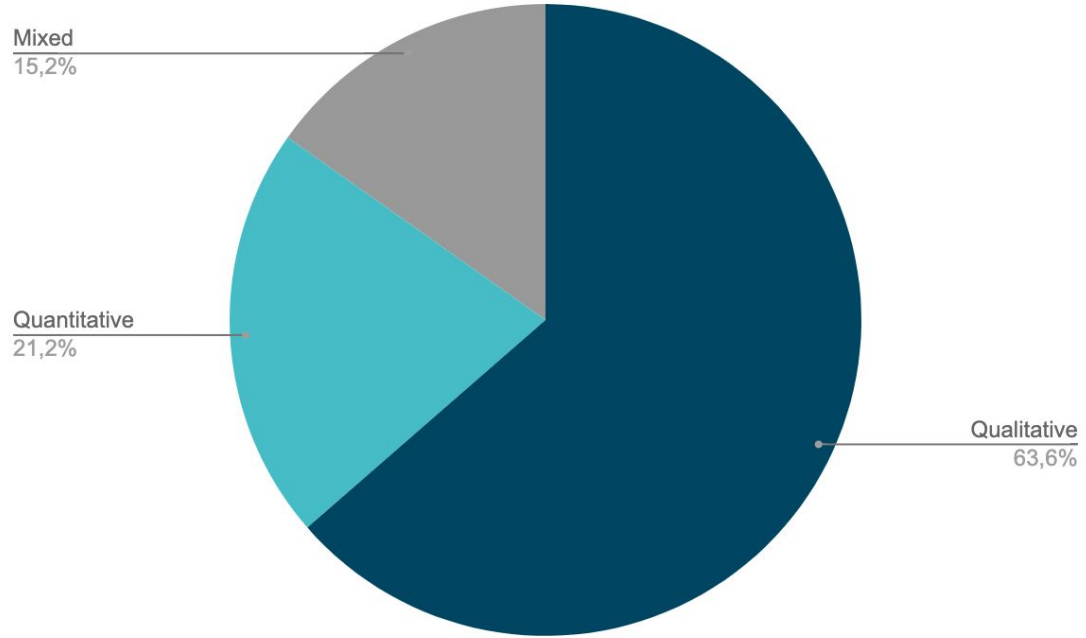


Cross analysis



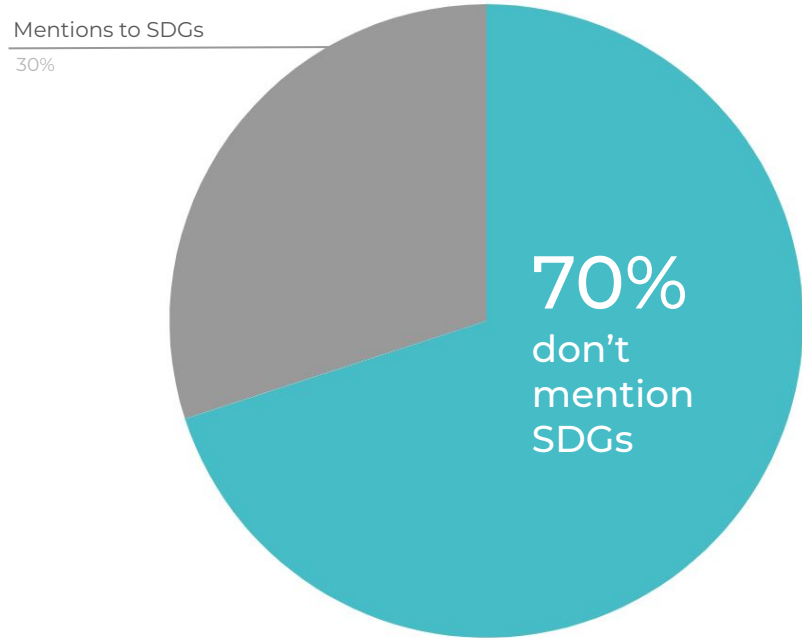


Example 1 - Linear Analysis (masked data)





Example 2 - Cross Analysis (masked data)



Researches published from 2015 (n=25)

Lessons Learned

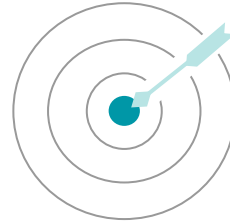
7 Starting a scoping review

Your strategy determines your result

Choose the right keywords and databases



Design an appropriate data extraction strategy



Keep track of your progress



2 Writing a research article

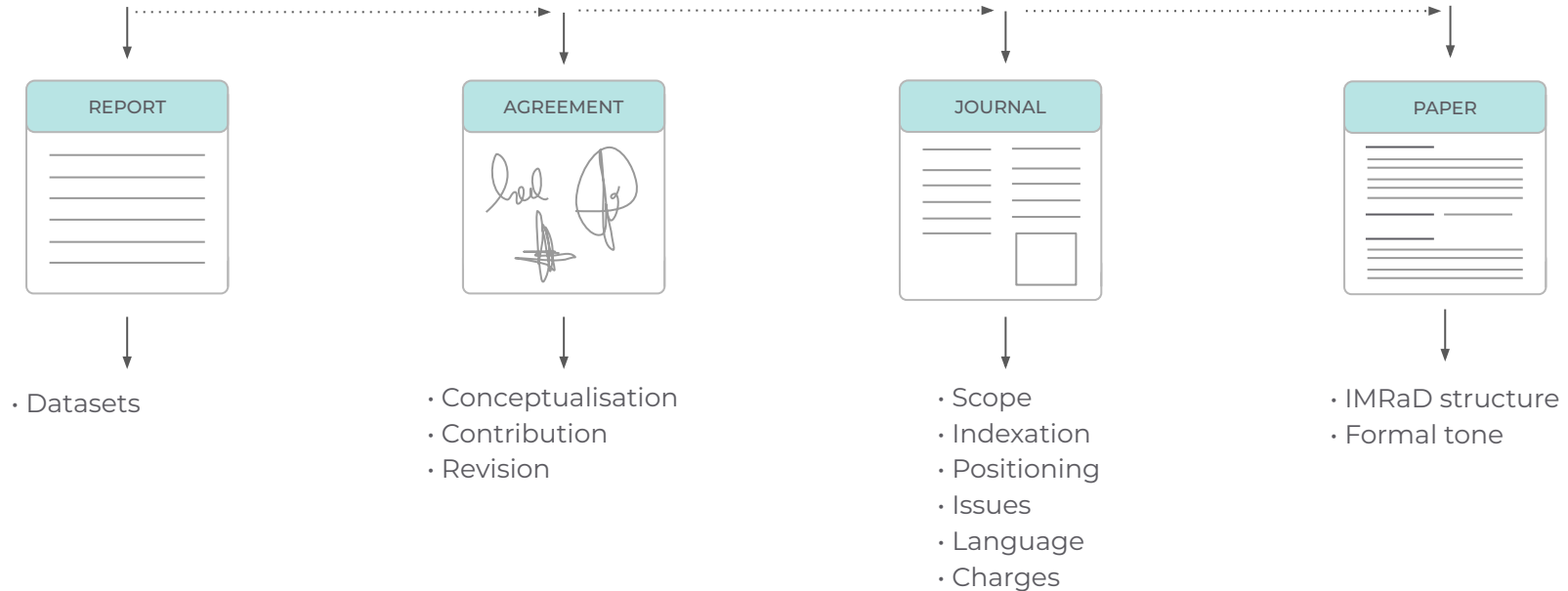
Framing your research

Write a report

Agree on authorship

Choose a journal

Write your paper



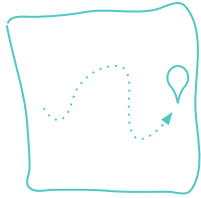
3 Giving a presentation

It's your time to shine

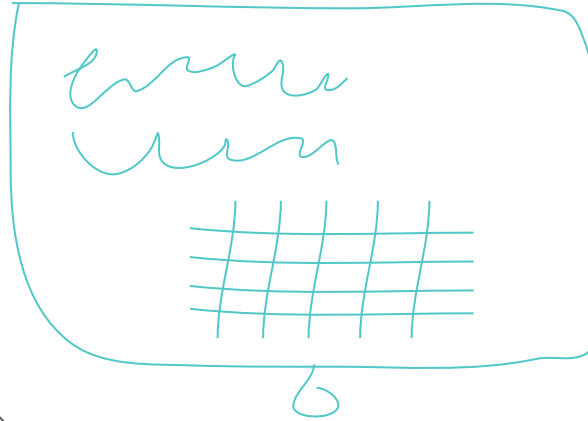
Manage your time



Programme your trip

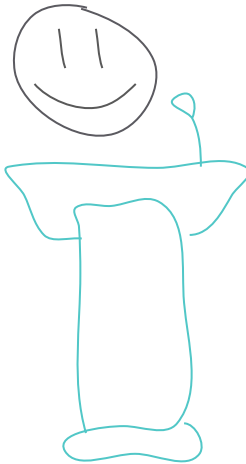


Enjoy the spotlight



Stress your methodology

Worry, but not too much

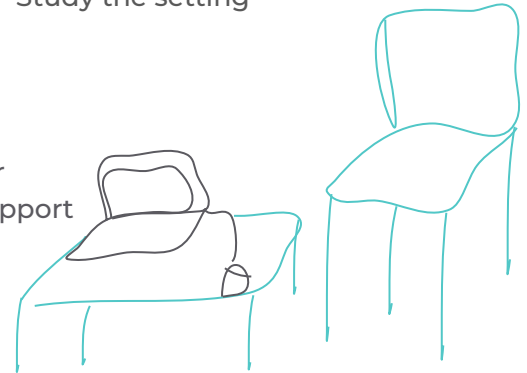


Study the setting

Practice your speech

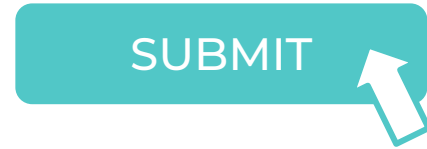


Bring your logistic support



4 Leveraging the research article

Upgrade your version to 'Pro'



Conclusion

Academic databases contain a vast collection of articles published in **peer-reviewed journals**, serving as the **primary source for scientific advancement**. A comprehensive understanding of these databases and the development of systematic reviews allows for a **rigorous and transparent approach** to producing literature reviews and research articles.

Advanced search

Scoping reviews

Matrices

Academic databases

Peer-reviewed journals

IMRaD structure

Terminology

False positives

SALSA framework

False negatives

Search equations

Boolean operators

Research articles

Systematised reviews

Evidence base

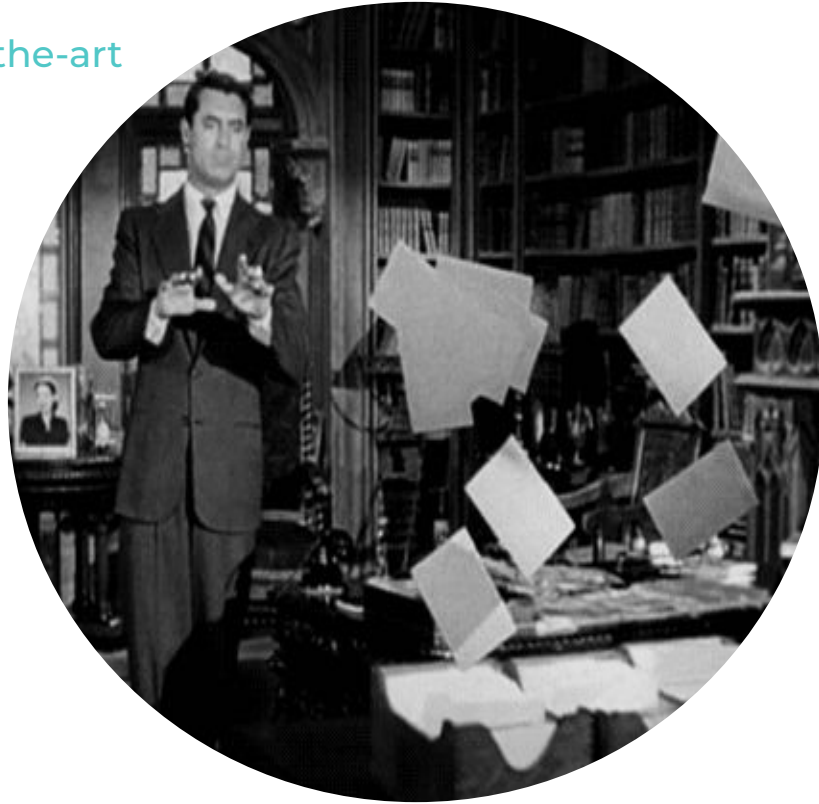
FROM...

High energy, low focus



TO...

Mastering the state-of-the-art



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Thank you!

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