

Rayyan: An Intelligent Systematic Review Software

Presenter: Elahe Zare-Farashbandi

PhD student

Deakin university

Outline

- **Systematic review article**
- **Key processes of systematic reviews**
- **Rayyan**
- **Hands-on practice (Rayyan)**
- **Hands-on practice (Covidence)**
- **Some useful tools**

Activity

Let's get to know each other

► Let's get to know each other



- What's your university degree?
- What do you hope to learn today?



Share your answers in the chat.

...

Systematic review

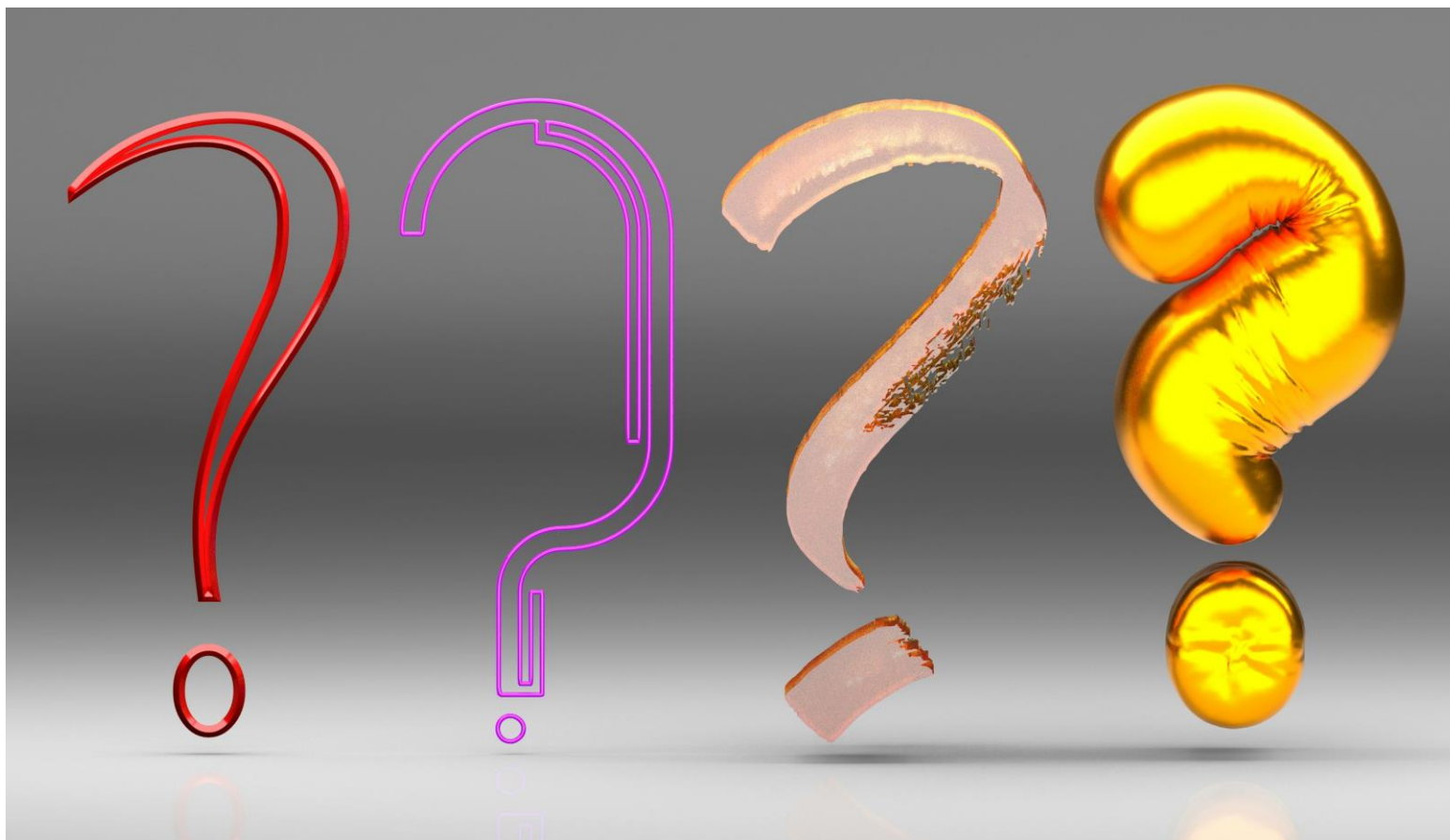
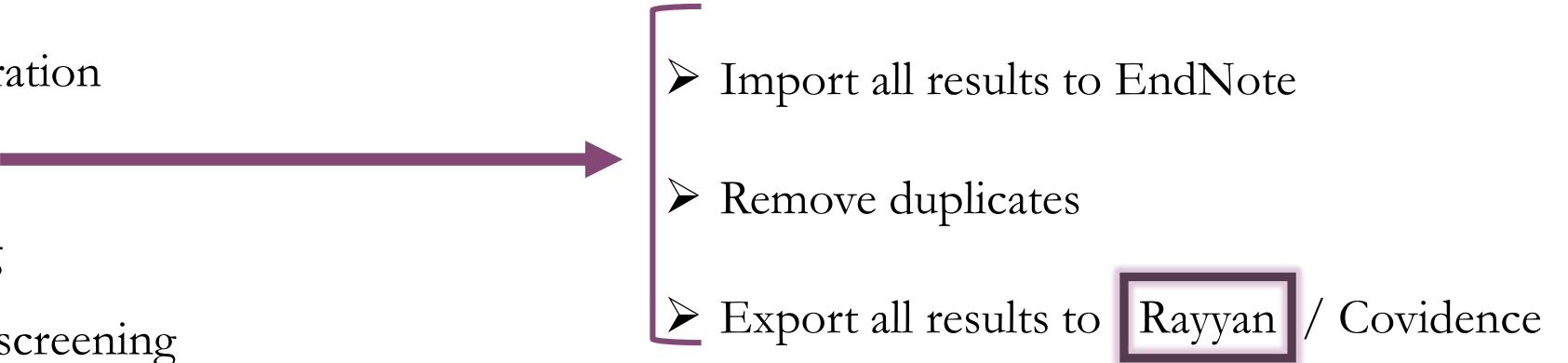


Photo by Buddha Elemental 3D | unsplash.com

Key processes of systematic reviews (Tawfik et al., 2019)

1. Research question
 2. Preliminary search
 3. Protocol writing and registration
 4. Searching in databases
 5. Title and abstract screening
 6. Full-text downloading and screening
 7. Hand searching
 8. Quality assessment and data extraction
 9. Data synthesis and statistical analysis (if needed)
 10. Manuscript writing
- 
- A diagram illustrating the workflow for step 4, 'Searching in databases'. A horizontal arrow points from the text 'Searching in databases' to a large right-facing curly bracket. To the right of the bracket, three bullet points are listed: '➤ Import all results to EndNote', '➤ Remove duplicates', and '➤ Export all results to Rayyan / Covidence'. The word 'Rayyan' is highlighted with a box.
- Import all results to EndNote
 - Remove duplicates
 - Export all results to Rayyan / Covidence

Rayyan



- A screening management tool to conduct systematic reviews
- Collaborative environment for researchers

Accessibility:

- Online
- Offline via Rayyan mobile app

Rayyan steps

1. Import references
2. Invite reviewers
3. Enjoy screening 😊

Features

- ✓ Deduplication
- ✓ Including/excluding references; labeling them; adding notes
- ✓ Filtering
- ✓ Text mining
- ✓ Keyword searching
- ✓ AI- assisted 5-star relevance ranking

Hands-on practice

Rayyan

Hands-on practice

Covidence

Some useful tools

Resources for registering protocols

Resource	Explanation
PROSPERO	For scoping reviews, rapid reviews, umbrella reviews, and integrative reviews (Not scoping reviews)
Cochrane Database of Systematic Reviews	For Cochrane protocols only
Campbell Collaboration	For systematic reviews/ peer-review protocols

Right review tool

- An online open-access tool
- Assisting researchers with choosing a suitable review type based on their research questions



<https://rightreview.knowledgetranslation.net>

SR-Accelerator

- The Systematic Review Accelerator (SRA)
- A free software developed at Bond University
- Deduplication
- A search translator to speed up translation of searches from different databases

[SR-Accelerator link](#)

Academic phrase samples for writing different sections of your review



Academic Phrasebank

 [Introducing work](#)[Referring to sources](#)[Describing methods](#)[Reporting results](#)[Discussing findings](#)[Writing conclusions](#)

Academic Phrasebank

GENERAL LANGUAGE FUNCTIONS

[Being cautious](#)[Being critical](#)[Classifying and listing](#)[Compare and contrast](#)[Defining terms](#)[Describing trends](#)[Describing quantities](#)[Explaining causality](#)[Giving examples](#)[Signalling transition](#)[Writing about the past](#)

Home page

The Academic Phrasebank is a general resource for academic writers. It aims to provide you with examples of some of the phraseological 'nuts and bolts' of writing organised according to the main sections of a research paper or dissertation (see the top menu). Other phrases are listed under the more general communicative functions of academic writing (see the menu on the left). The resource should be particularly useful for writers who need to report their research work. The phrases, and the headings under which they are listed, can be used simply to assist you in thinking about the content and organisation of your own writing, or the phrases can be incorporated into your writing where this is appropriate. In most cases, a certain amount of creativity and adaptation will be necessary when a phrase is used. The items in the Academic Phrasebank are mostly content neutral and generic in nature; in using them, therefore, you are not stealing other people's ideas and this does not constitute plagiarism. For some of the entries, specific content words have been included for illustrative purposes, and these should be substituted when the phrases are used. The resource was designed primarily for academic and scientific writers who are non-native speakers of English. However, native speaker writers may still find much of the material helpful. In fact, recent data suggest that the majority of users are native speakers of English. More about [Academic Phrasebank](#).

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Questions ?

Email:
e.zarefarashbandi@deakin.edu.au

Thank you

