

Simulation exercise

Simulation Exercise Title:

Evaluating the research resources

Objectives

- To evaluate the effectiveness of most relevant academic research resources
- To develop the practical understanding of how to conduct a thorough literature review and synthesize research findings.

Background

The simulation is set within the context of academic research in the field of education. Participants will take on the role of researchers tasked with conducting a literature review on a specific topic, applying research techniques, such as formulating the research questions, synthesizing the relevant research resources.

Data Provided

A list of free access databases links to complete the exercise:

1. ERIC: <https://eric.ed.gov>
2. Google Scholar: <https://scholar.google.com>
3. Scopus: <https://www.scopus.com/home.uri>
4. PubMed: <http://www.ncbi.nlm.nih.gov/pubmed/>
5. IEEE Xplore: <https://ieeexplore.ieee.org/Xplore/home.jsp>

Task

1. Identify the research topic you would like to review literature on and formulate the research question. For example: "How do digital learning tools impact student engagement and performance in higher education?"
2. Use a keyword search in academic databases such as ERIC, Google Scholar or other resources suggested in the Data Provided section or other resources mentioned in the materials to locate relevant literature.
3. List five key articles that you find relevant to your research question.
4. Evaluate the quality and relevance of the five articles using the evaluation grid.

Article Name	Resource (Database)	Year(s) of publication	Relevance to Research Question (High/Medium/Low)	Key Findings

5. Summarize the key findings from the five articles and identify any common themes or patterns.

Guidelines

- Before you start, define the keywords of your topic, which will make it much easier to find.
- Use academic databases (ERIC, ASSIA) and other academic databases for keyword searches.
- When filling out the evaluation grid, pay special attention to the key findings, namely relevance to your topic and research question.
- Follow standard academic practices for summarizing and synthesizing research findings mentioned in the video.

Deliverables

- A list of five articles relevant to research questions.
- Completed evaluation grids for each of the five articles.