Librarians in the Classroom: Support for Student Information Literacy

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What is the ACRL ACRL Framework for Information Literacy?

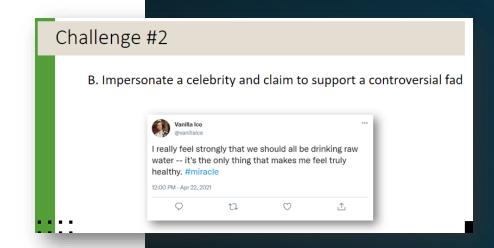
- Adopted by the Association of College & Research Libraries in 2016
- A set of interconnected core knowledge practices and dispositions related to information literacy
- Highly dependent on metaliteracy
 - Metaliteracy = a set of literacies which "demands behavioral, affective, cognitive, and metacognitive engagement with the information ecosystem"
- NOT standards, but big ideas that students work towards in their understanding as they become information literate

Authority Is Constructed and Contextual

- "Information resources reflect their creators' expertise and credibility, and are evaluated based on the information need and the context in which the information will be used."
- "Authority is constructed in that various communities may recognize different types of authority."
- "It is **contextual** in that the information need may help to determine the level of authority required."
- Example topics: source evaluation, scholarly vs popular sources

Authority Is Constructed and Contextual – Example in the Classroom

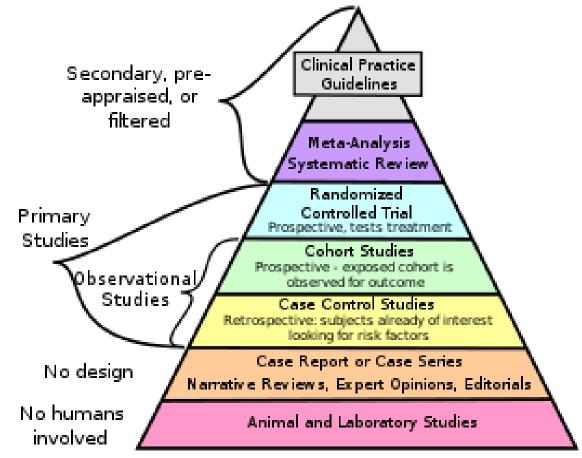
- Chaos Creator Game
 - Students pretend to be a bad actor spreading misinformation and, in the process, learn about how others might try to influence them
 - How do people assign authority to information online? What false signs can influence their assessment?



Authority Is Constructed and Contextual – Example in the Classroom

Evidence-Based Practice Research:

- Search comprehensive, discipline-specific databases
- Identify types of research studies
- Critically appraise results
- Cite a variety of sources



Information Creation as a Process

- "Information in any format is produced to convey a message and is shared via a selected delivery method."
- "The iterative processes of researching, creating, revising, and disseminating information vary, and the resulting product reflects these differences."
- Example topics: comparing source types, learning about peer review and other source production processes

Information Creation as a Process – Example in the Classroom

- How are Wikipedia entries created?
- How does that process impact the usefulness of Wikipedia for research?
- What would you use Wikipedia for when conducting research?

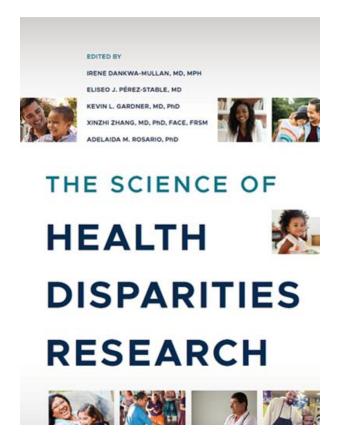


Wikipedia
The Free Encyclopedia

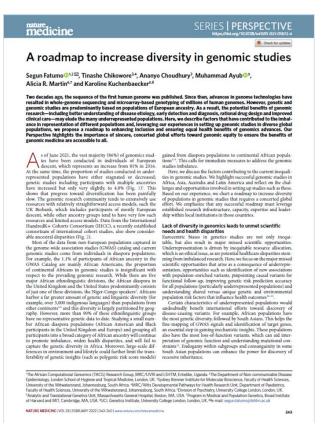
Information Creation as a Process – Example in the Classroom

Research & Discuss Health Disparities

How and why are some populations researched extensively while others are not?







Information Has Value

- Information possesses several dimensions of value, including as a commodity, as a means of education, as a means to influence, and as a means of negotiating and understanding the world."
- "Legal and socioeconomic interests influence information production and dissemination."
- Example topics: academic integrity, copyright, information access disparities

Information Has Value – Example in the Classroom

- Copyright & Creative Commons Licensing
 - Students can create their own content and share it with a public audience
 - We can talk about openly licensing their materials
 - We can discuss the value of their work to others, and what removing copyright barriers means













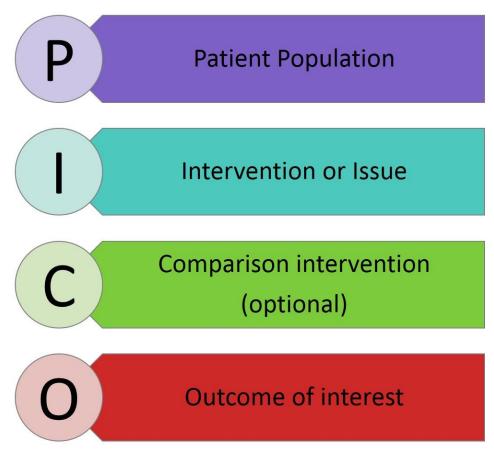
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Research as Inquiry

- "Research is iterative and depends upon asking increasingly complex or new questions whose answers in turn develop additional questions or lines of inquiry in any field."
- Example topics: topic development, determining thesis of published academic works

Research as Inquiry – Example in the Classroom

In the Health Sciences, use PICO or another clinical question model to generate key words and systematically explore the literature



Research as Inquiry – Example in the Classroom

Library Instruction Session for a Health Sciences Research Assignment

Healthy vs. Unhealthy Research Habits



Spirit of inquiry

- Open mind, curiosity
- What's out there?



Sources affirm what you already know about your topic

Result = Confirmation bias



Search multiple resources

- Google Scholar
- Library Databases



Good enough is good enough!



Consider the source

- Explore and learn
- Synthesize and write about what you find



"I have everything written... Now I just need to find some sources to cite!"

Scholarship as Conversation

- "Communities of scholars, researchers, or professionals engage in sustained discourse with new insights and discoveries occurring over time as a result of varied perspectives and interpretations."
- Example topics: how academic work is produced, track ideas through citations

Scholarship as Conversation – Example in the Classroom

Use a systematic review, meta-analysis, or other literature review article as a finding aid (citation tracking)

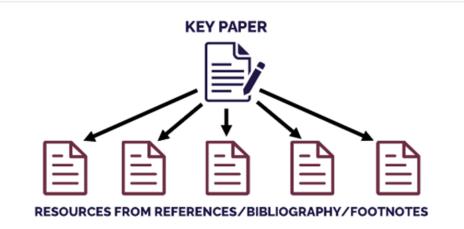
Types of Citation Tracking

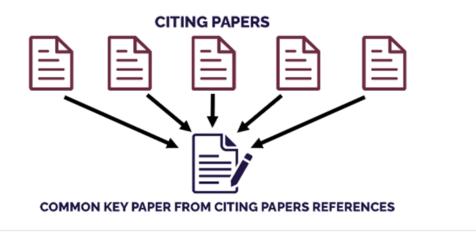
Backward Snowballing (Reference List Searching)

Backward snowballing involves looking backwards in the literature to discover **past** resources. It involves mining the selected relevant article's reference list for other articles that might be relevant to the research topic.

Forward Snowballing (Cited By Searching)

Forward snowballing means looking forward in the literature to articles that were published **after** the selected relevant article to discover newer articles that have cited the original resource.





Searching as Strategic Exploration

- "Searching for information is often nonlinear and iterative, requiring the evaluation of a range of information sources and the mental flexibility to pursue alternate avenues as new understanding develops."
- Example topics: keyword development, database and catalog use

Searching as Strategic Exploration – Example in the Classroom

Use the literature review description and search diagram from a scholarly article to replicate a search.

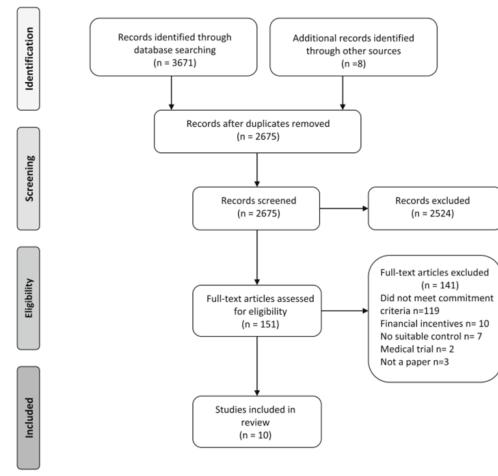
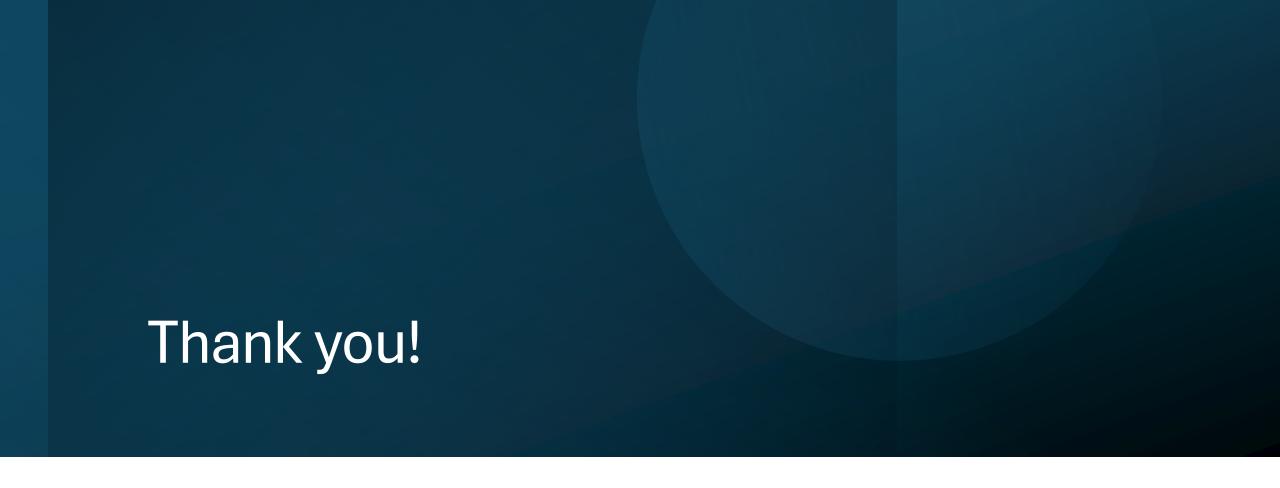


Fig. 1 PRISMA flow diagram of search procedure for narrative review and meta-analysis

How to connect with your librarian





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