

IF YOU DON'T TURN IN
AT LEAST ONE HOMEWORK
ASSIGNMENT, YOU'LL
FAIL THIS CLASS.

YEAH. BUT IF I CAN FAIL
THIS CLASS, THE GRADES
ON MY REPORT CARD WILL
BE IN ALPHABETICAL ORDER!



“priorities” by xkcd

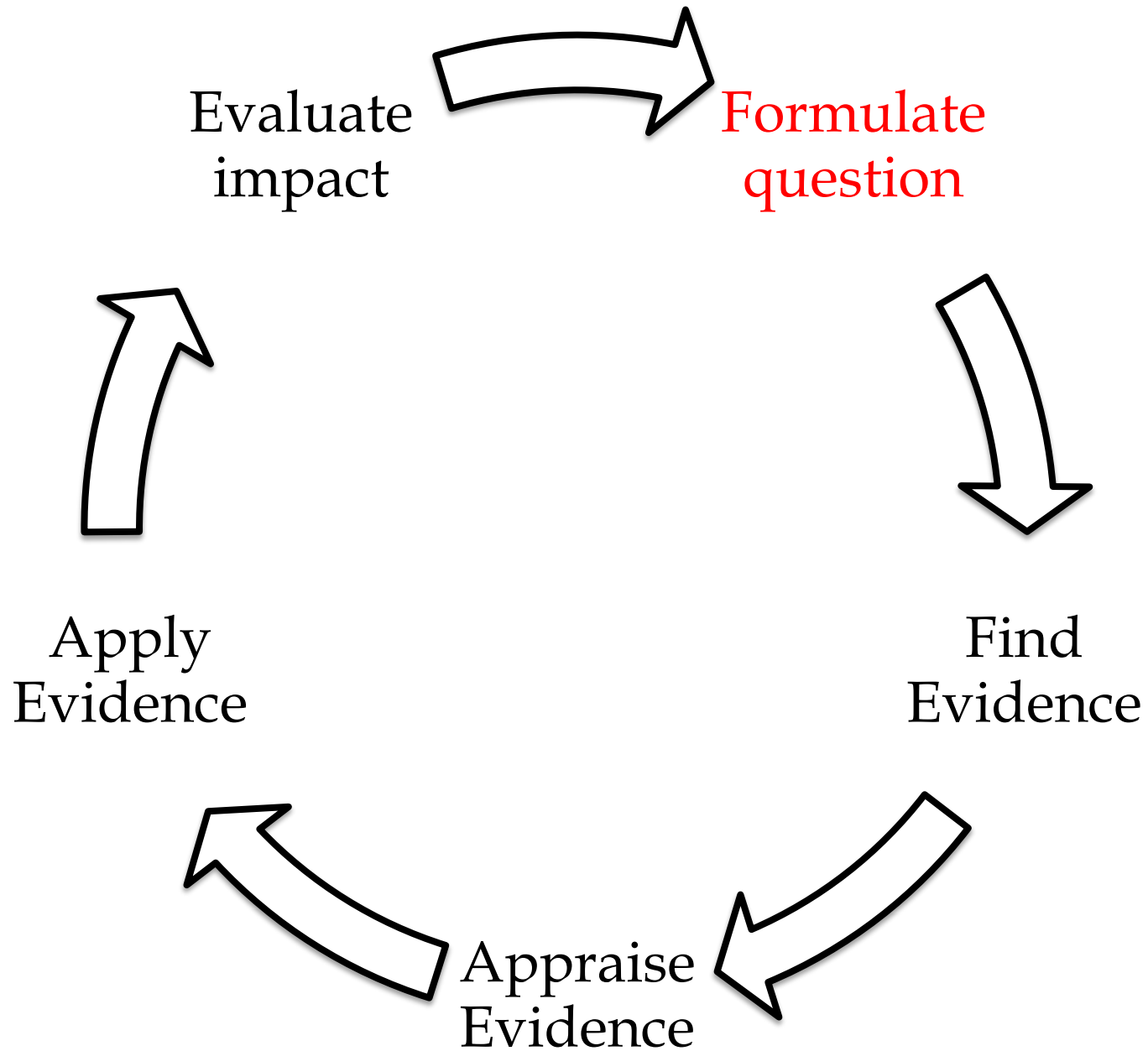
Question, Find, Evaluate, Apply: Translating Evidence Based Practice to Information Literacy Instruction

Megan Oakleaf, Syracuse University
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Definition

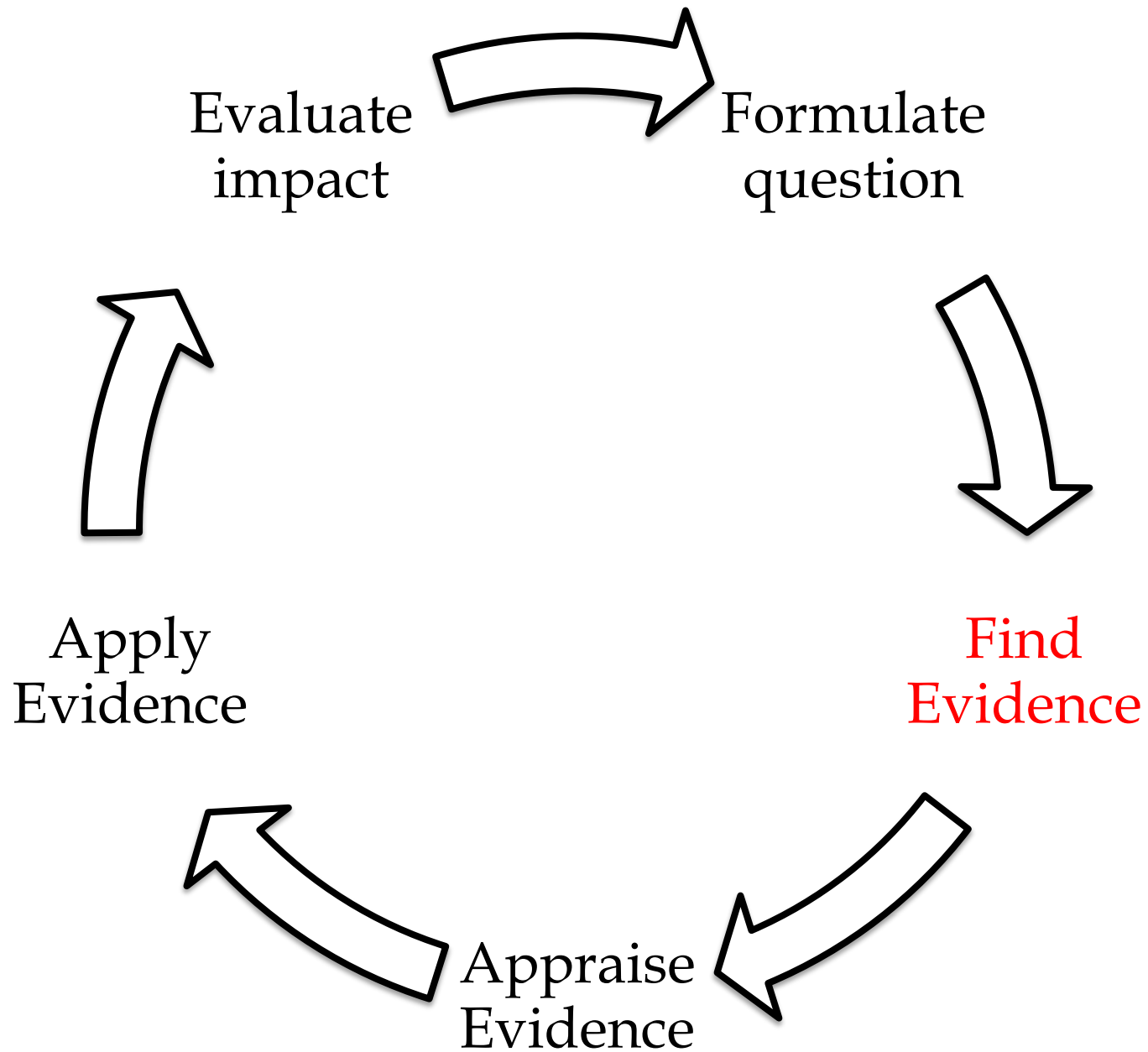
“Evidence-Based Librarianship (EBL) is an approach to information science that promotes the collection, interpretation and integration of valid, important and applicable user-reported, librarian observed, and research-derived evidence. The best available evidence, moderated by user needs and preferences, is applied to improve the quality of professional judgements.”

--Andrew Booth



Example Question

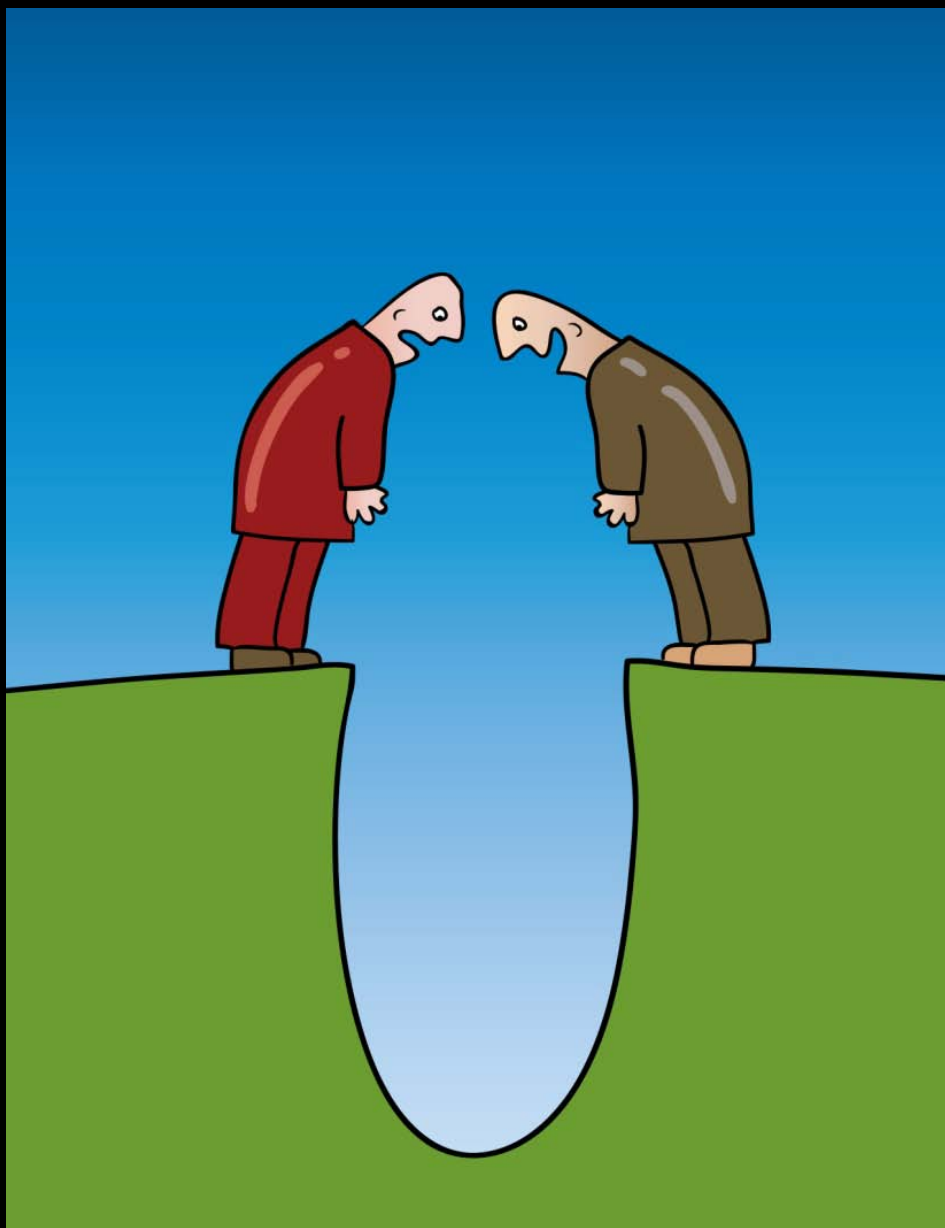
Is either face-to-face instruction or online tutorials significantly more effective in teaching first-year students information literacy skills?





The Search





COLLEGE & RESEARCH LIBRARIES



July 2004 • Volume 65 • Number 4

The Academic Library as a Gateway to the Internet: An Analysis of the Extent and Nature of Search Engine Access from Academic Library Home Pages
Carol A. Wright

Raising the Bar: An Approach to Reviewing and Revising Standards for Professional Achievement for Library Faculty
Edward F. Lener, Bruce Pencek, and Susan Arieu

Academic Dishonesty, Plagiarism Included, in the Digital Age: A Literature Review
Zorana Ercegovic and John V. Richardson, Jr.

Planning Bioinformatics Education and Information Services in an Academic Health Sciences Library
W. John MacMullen, K.T.L. Vaughan, Margaret E. Moore

Toward a New Venture: Building a Stronger Partnership with Faculty
Ada M. Ducas and Nicole Michaud-Ostryk

Library Jargon: Student Recognition of Terms and Concepts Commonly Used by Librarians in the Classroom
Norman B. Hutcherson

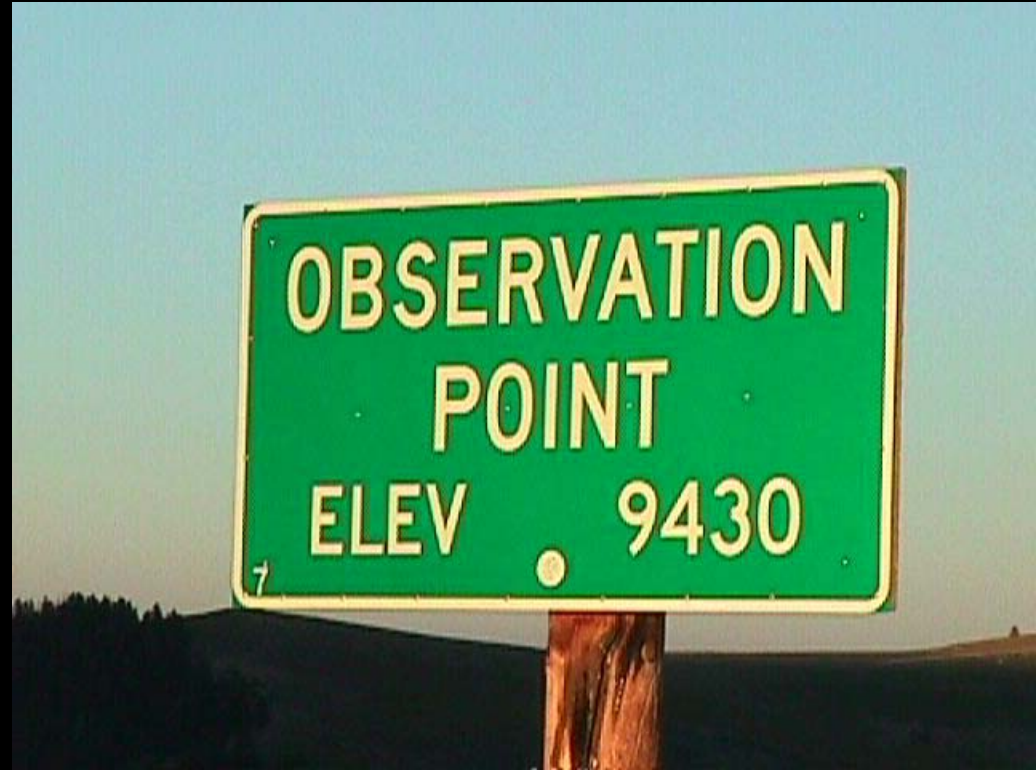
Association of
College and
Research
Libraries

Journal Titles

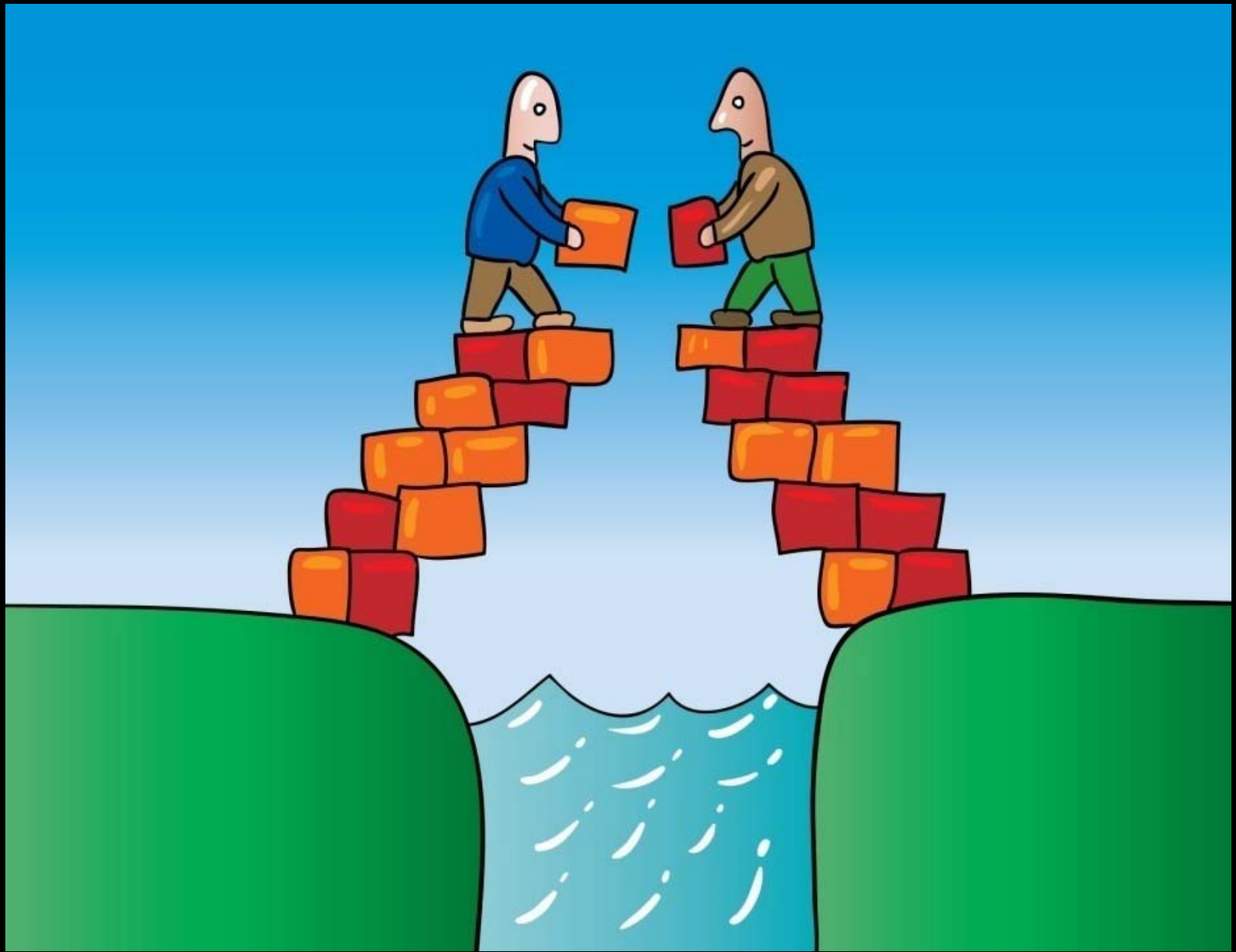
- Journal of Academic Librarianship
- Portal
- College and Research Libraries
- Communications in Information Literacy
- Evidence Based Library & Information Practice
- Journal of Education for Library and Information Science
- Research Strategies

Practitioner- Observed Evidence

- professional judgment and expertise
- interaction with colleagues
- communities of practice
 - Conference papers & posters (grey lit)
 - Institutional/subject repositories
 - Listservs
 - Blogs
 - Wikis

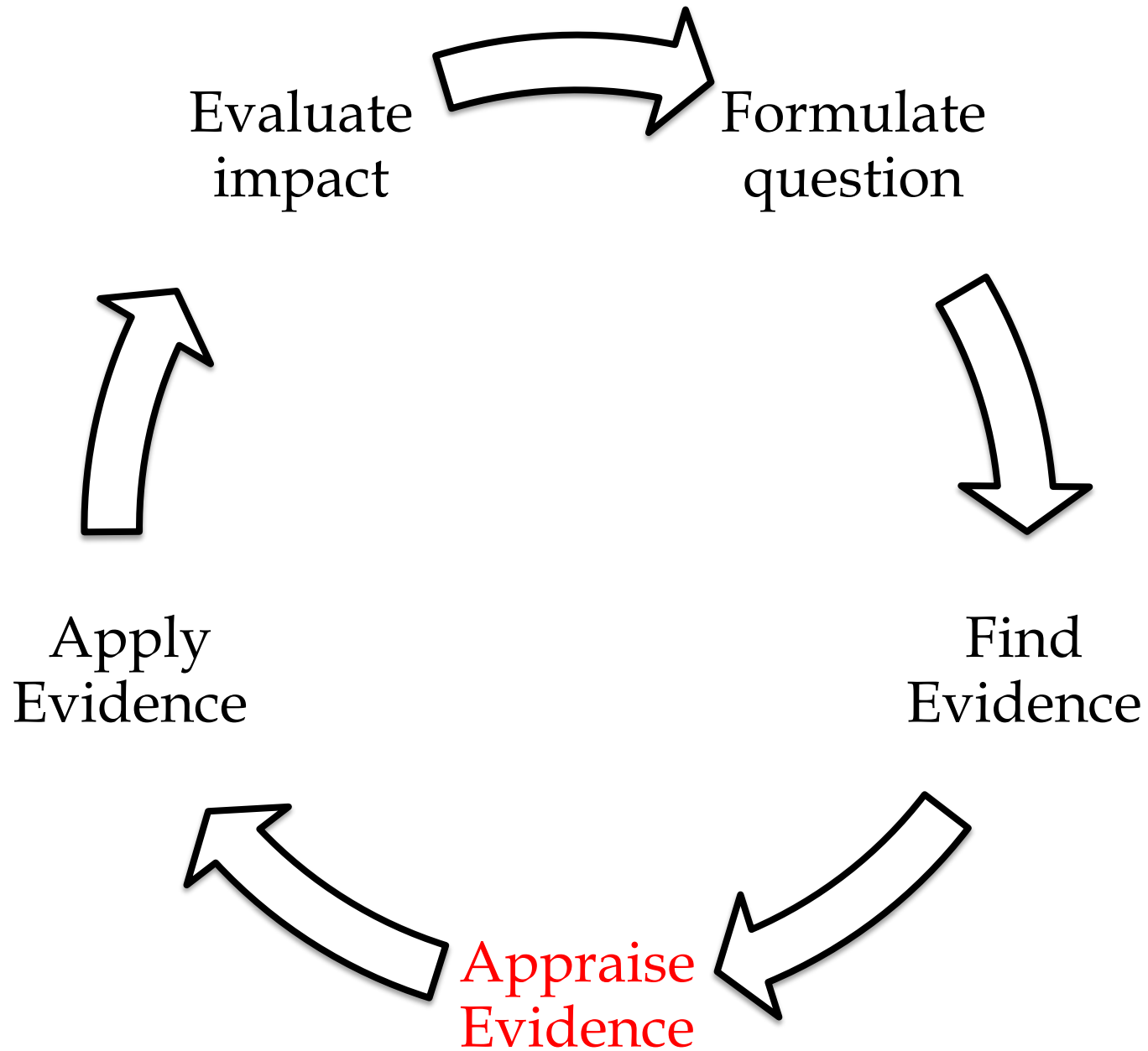










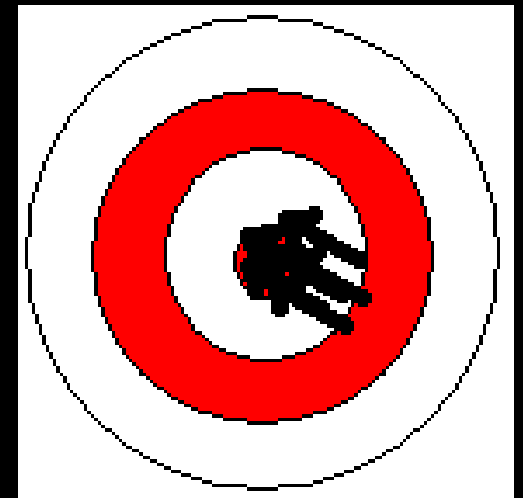
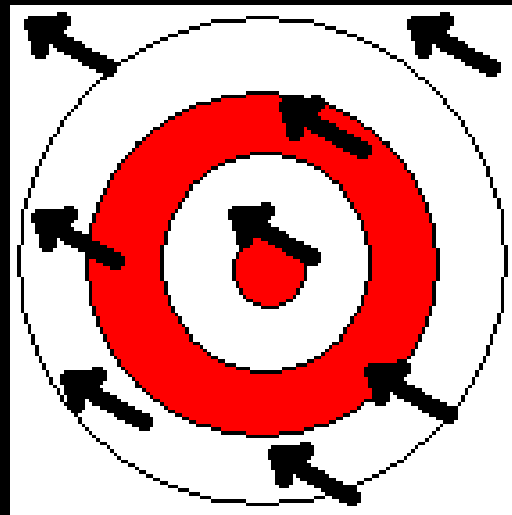


Evidence...

What makes for good evidence?
What makes for bad evidence?

What is critical appraisal?

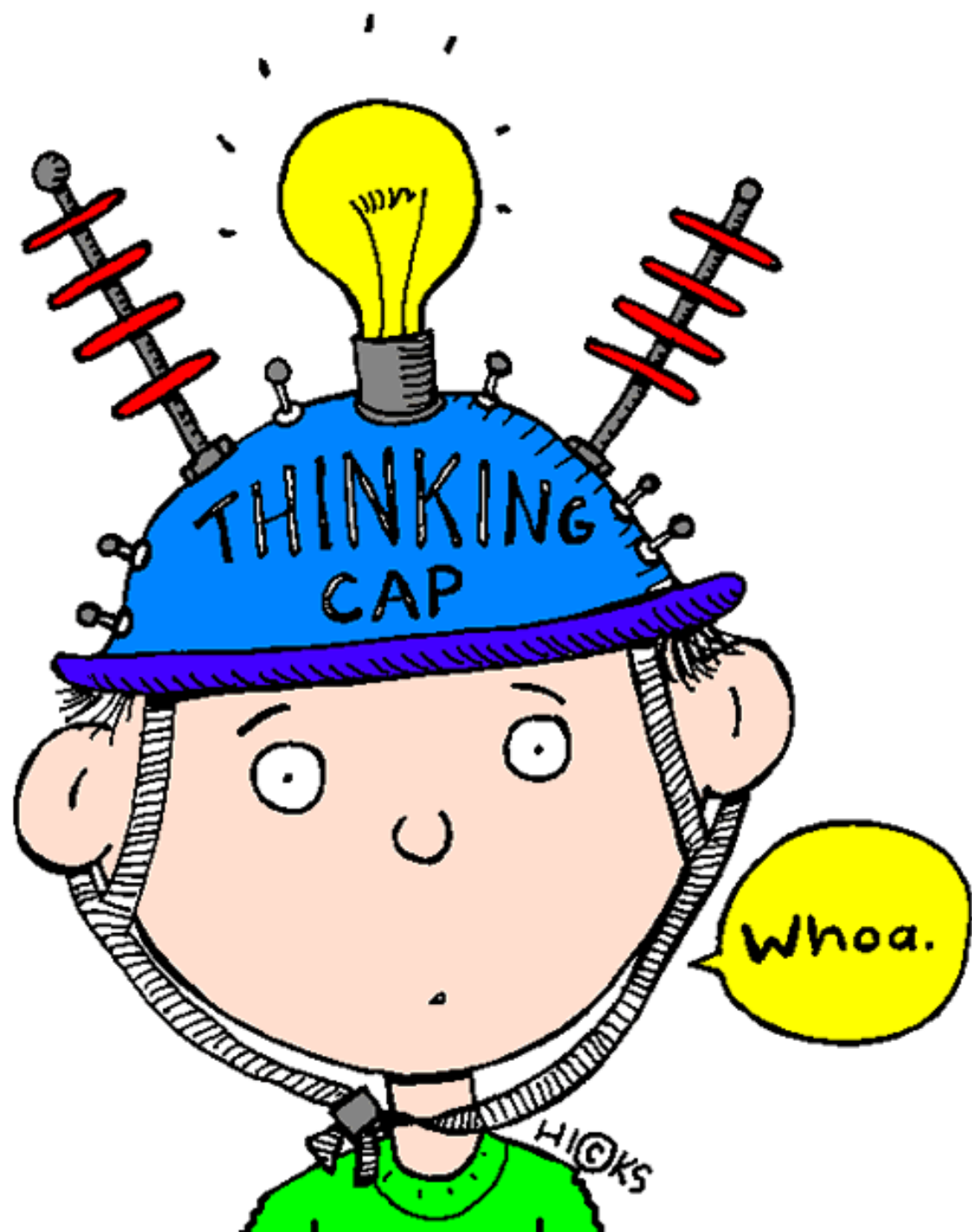
- Putting aside personal opinion and judging a research study on its own merits
- Reading a paper with a questioning mind
- Thinking critically
- Using a structure/set of questions

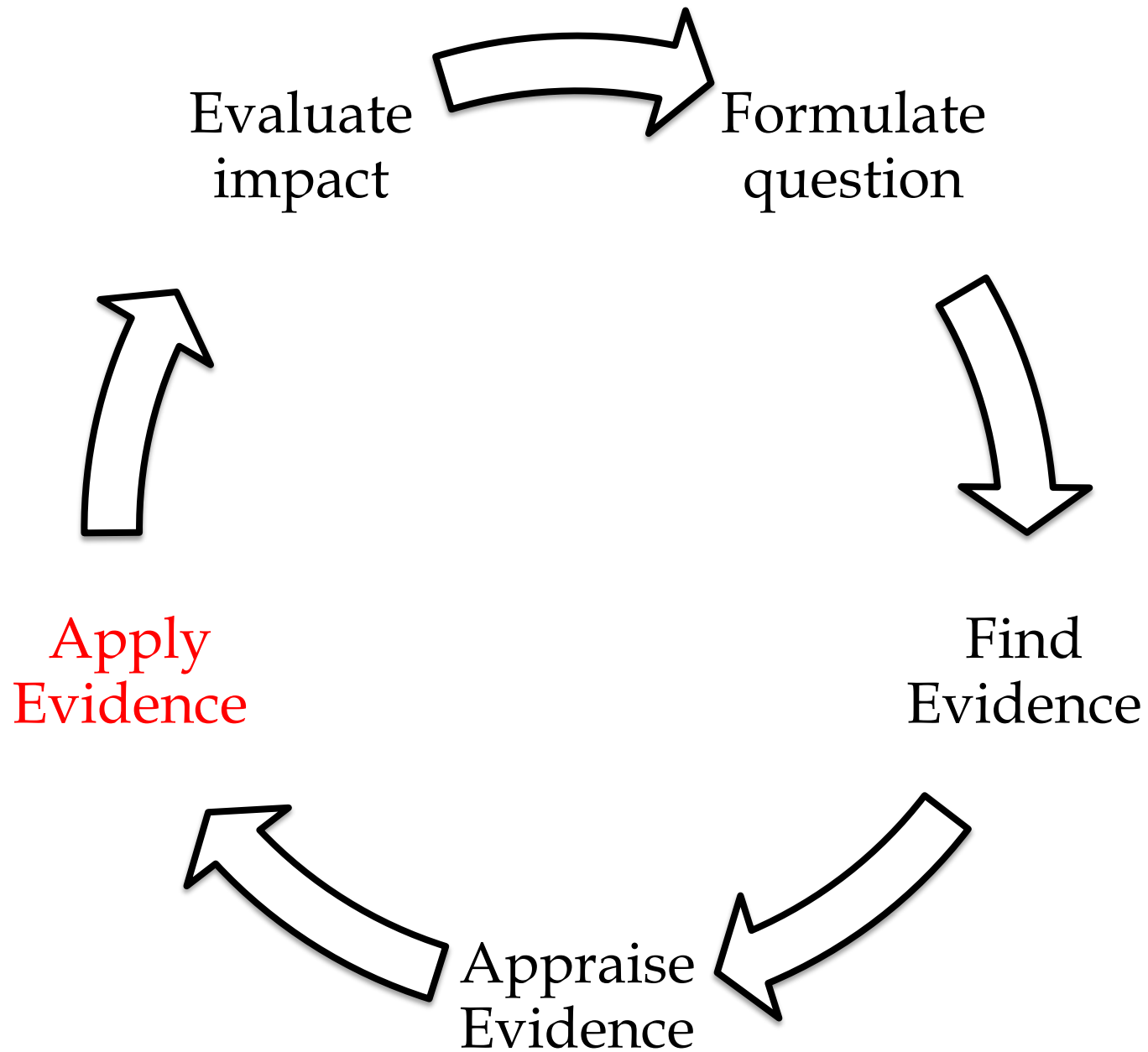




Applicability





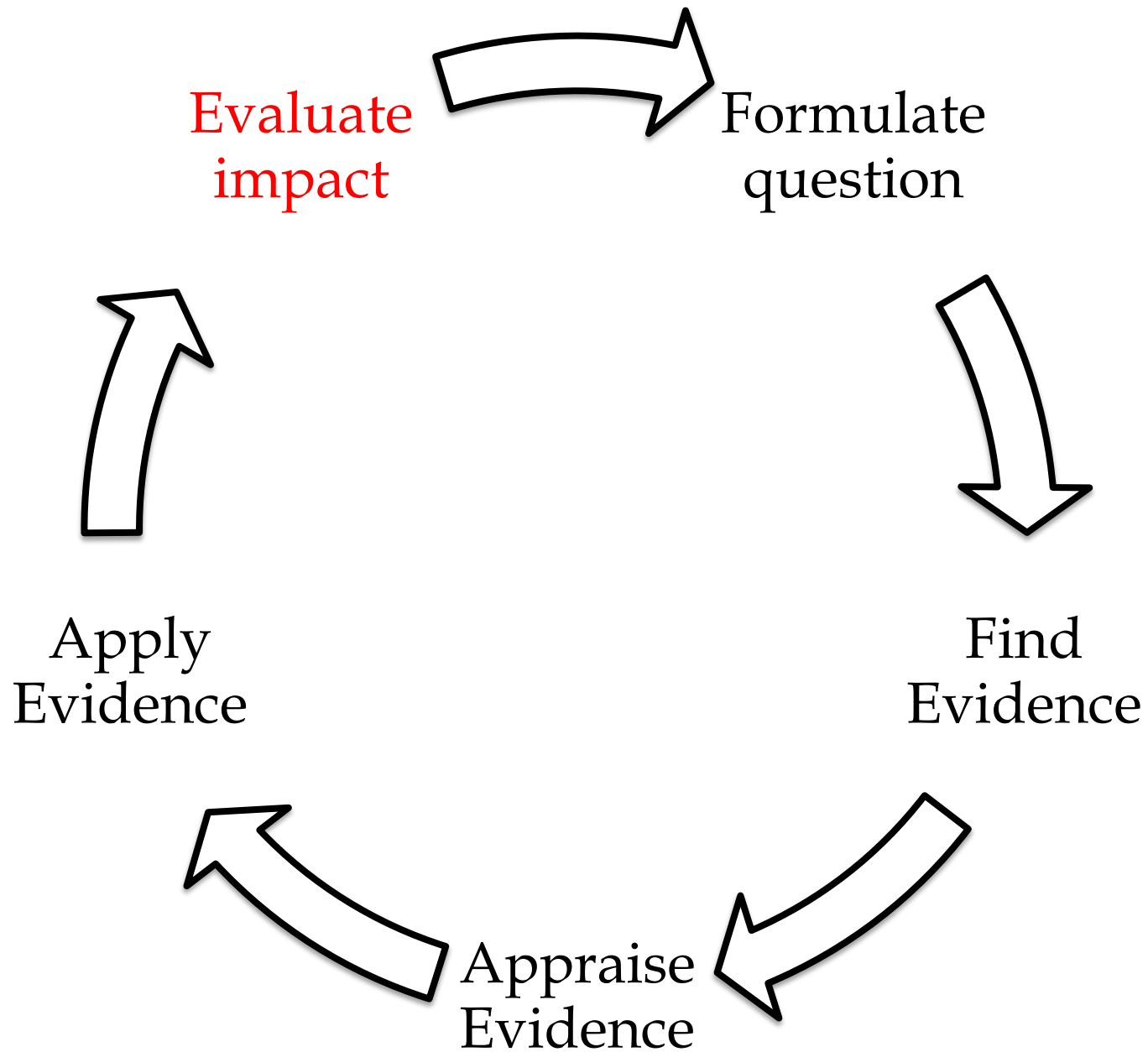


Evidence Summaries

- Critical appraisal synthesis of recently published research
- Objective critique with the goal to help practitioners make more informed decisions about the quality of the research that they may be considering
- Structured abstract gives an overview of the article
 - Objective, Design, Setting, Subjects, Methods, Main Results, Conclusion
- Commentary section critically appraises the research
- Considers questions of validity, reliability, applicability

Example Question

Is either face-to-face instruction or online tutorials significantly more effective in teaching first-year students information literacy skills?



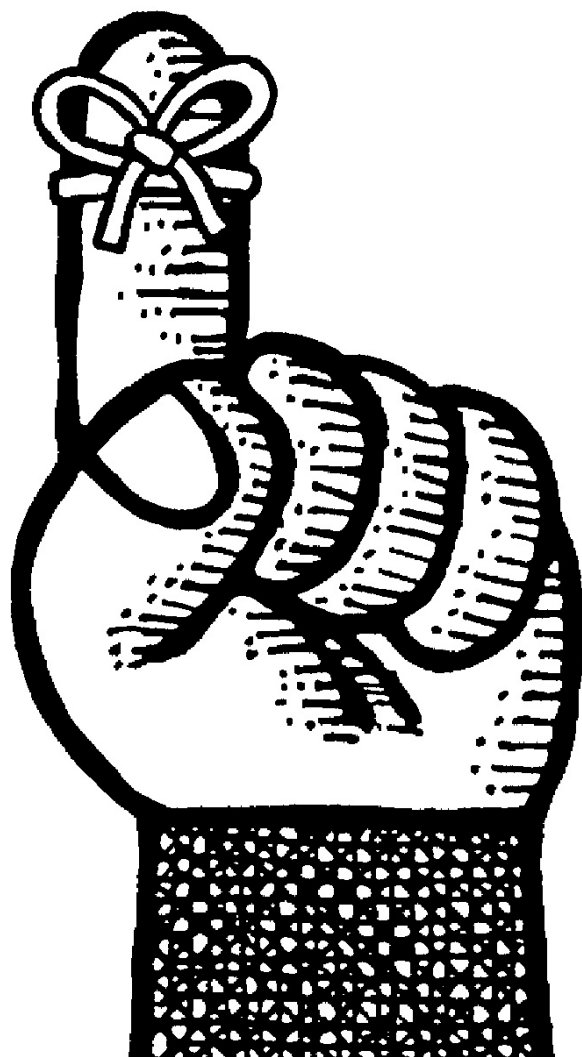
Evaluating Impact & Performance

- Evaluation will determine whether the change you introduced, modified, or cancelled made a difference and if it made the difference you expected.
- Evaluation will help you reflect on your performance as an evidence-based practitioner and hone your skills.

[illegible]



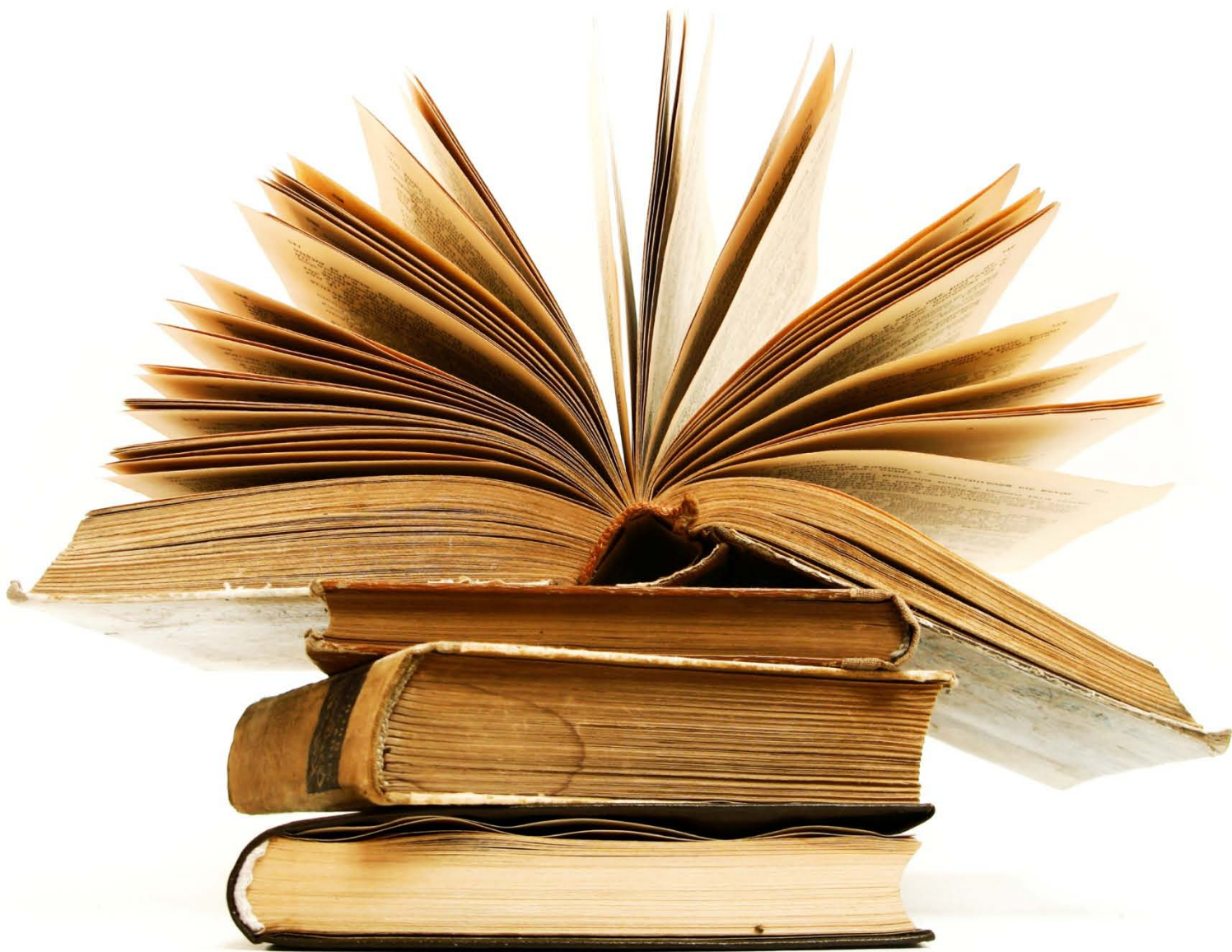
3



Evidence = Good

Anecdote = Bad

In Doubt = Ask







Yes,
we will
now have
human
interaction

\$TOP

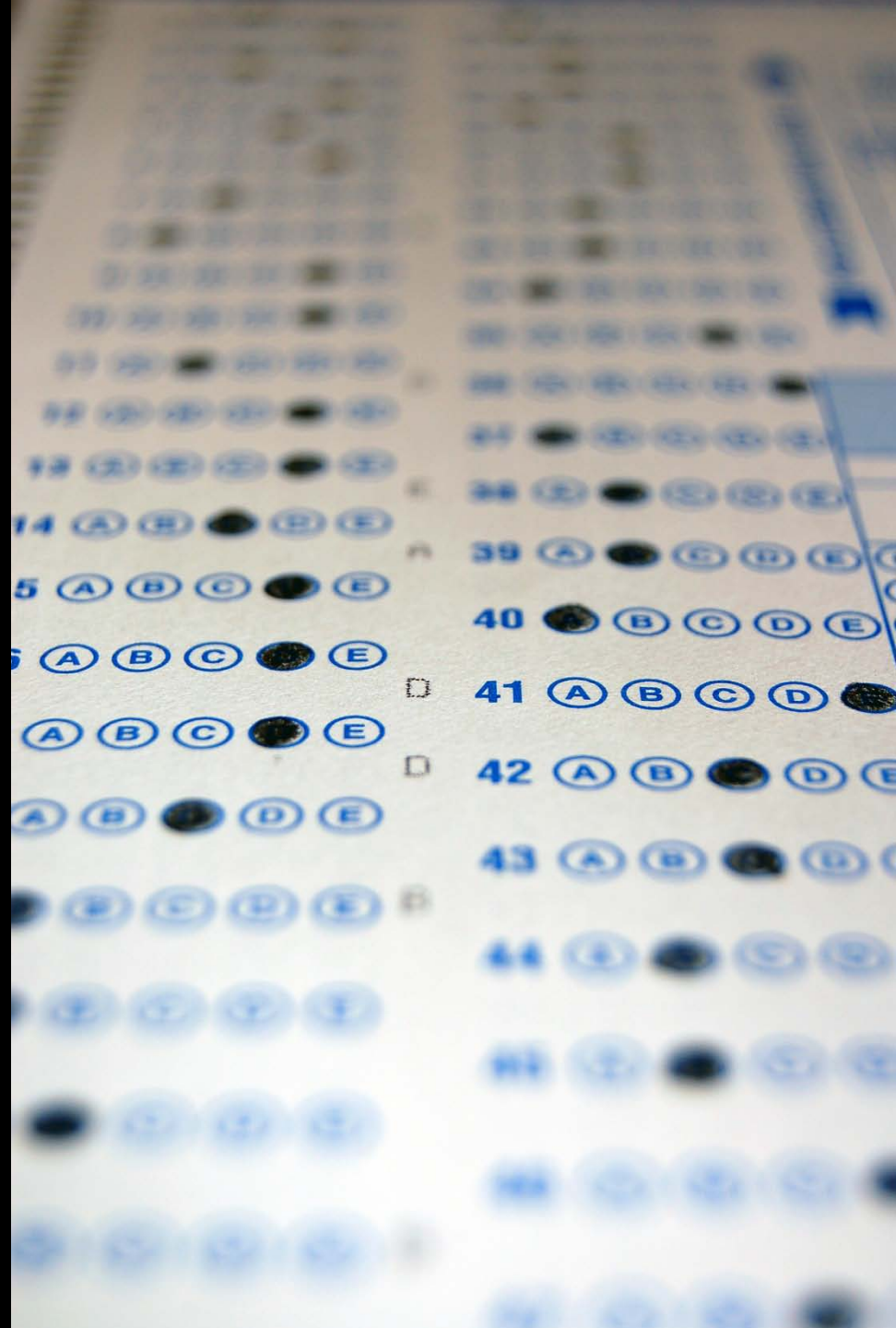




Courses

The Good,
The Bad,
&
The Ugly

Testing





It
Helps
to be
Innocent

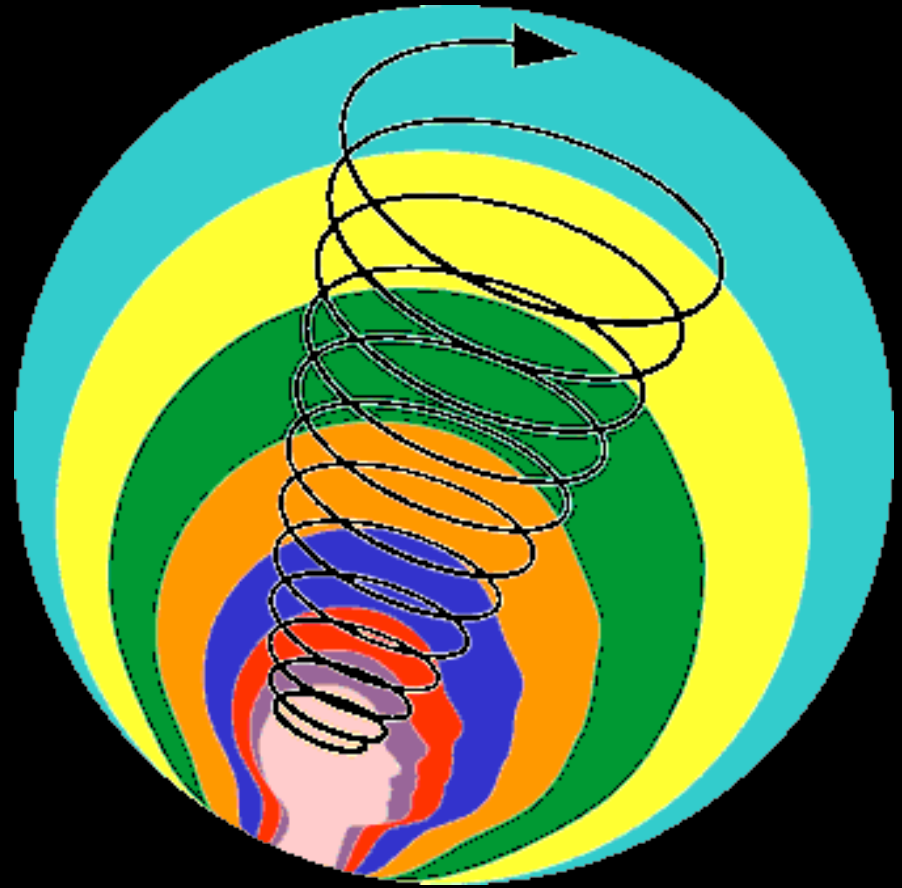
“I learned things
about obtaining
information
that I never knew.
My idea of libraries
and information
has really
changed.”

Student from Winter Quarter 2009

EBP at the Program Level

What's a program?

- Instructional structures
- Facilities
- Human resources
- Financial resources
- Support for professional development



Using Data in Decision Making

Pfeffer and Sutton (2006) cited in Hiller and Self (2008)

What makes it hard to be evidence-based?

- There's too much evidence
- There's not enough good evidence
- The evidence doesn't quite apply
- People are trying to mislead you
- You are trying to mislead you
- The side effects outweigh the cure
- Stories can be more persuasive

How are you
making
decisions
now?



Some Reasons Why Libraries Aren't Evidence-Based

Hiller and Self (2008)

- **Don't know what evidence to collect**
 - Few libraries understand or are skilled in basic research methods
- **Don't understand the evidence**
 - Few library staff have experience in data analysis
- **Don't know how to present the evidence**
 - Difficulty in identifying what is important and actionable
- **Don't want to use the evidence**
 - “We know what's best for our customers”
- **Difficulty using the evidence for positive change**
 - All of the above and organizational structure/culture



If not
EBL...

What?

Cognitive
Biases

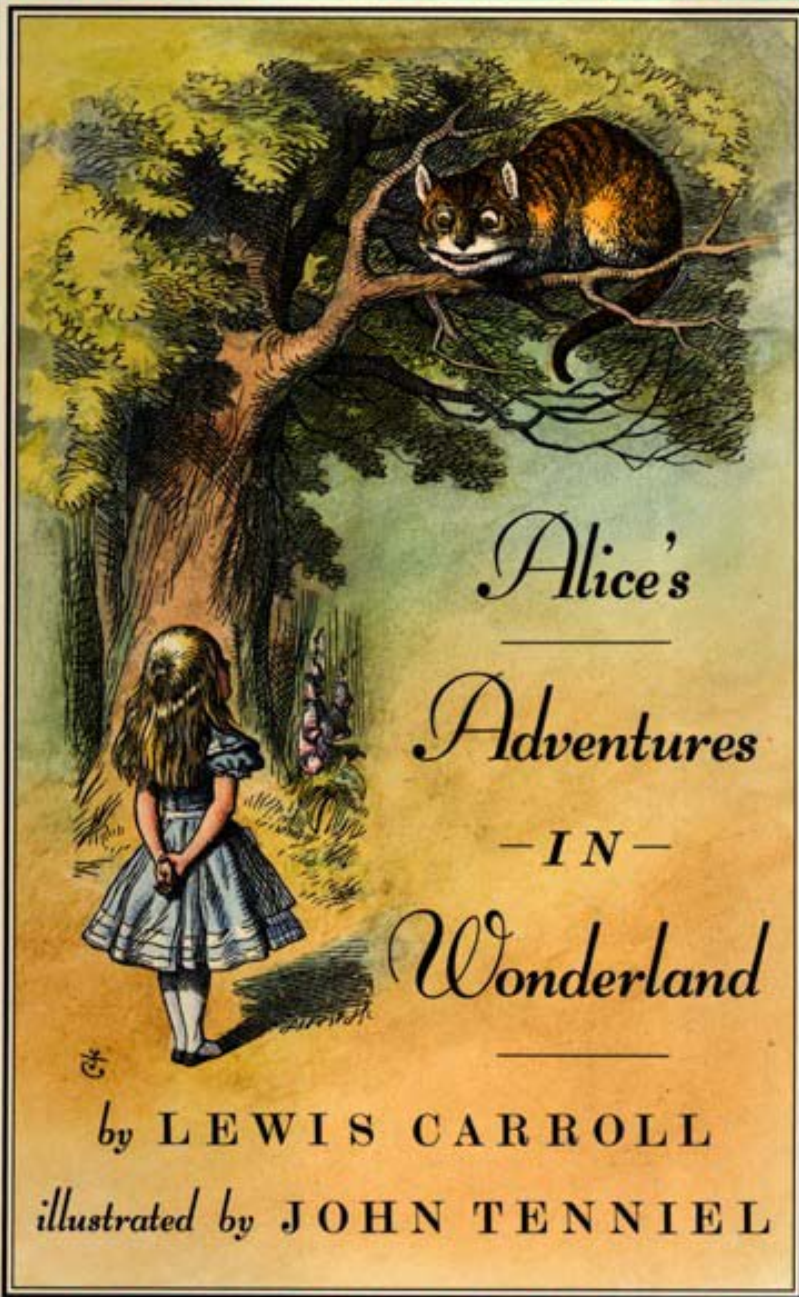
Biases Common to Libraries

Hiller and Self (2008)

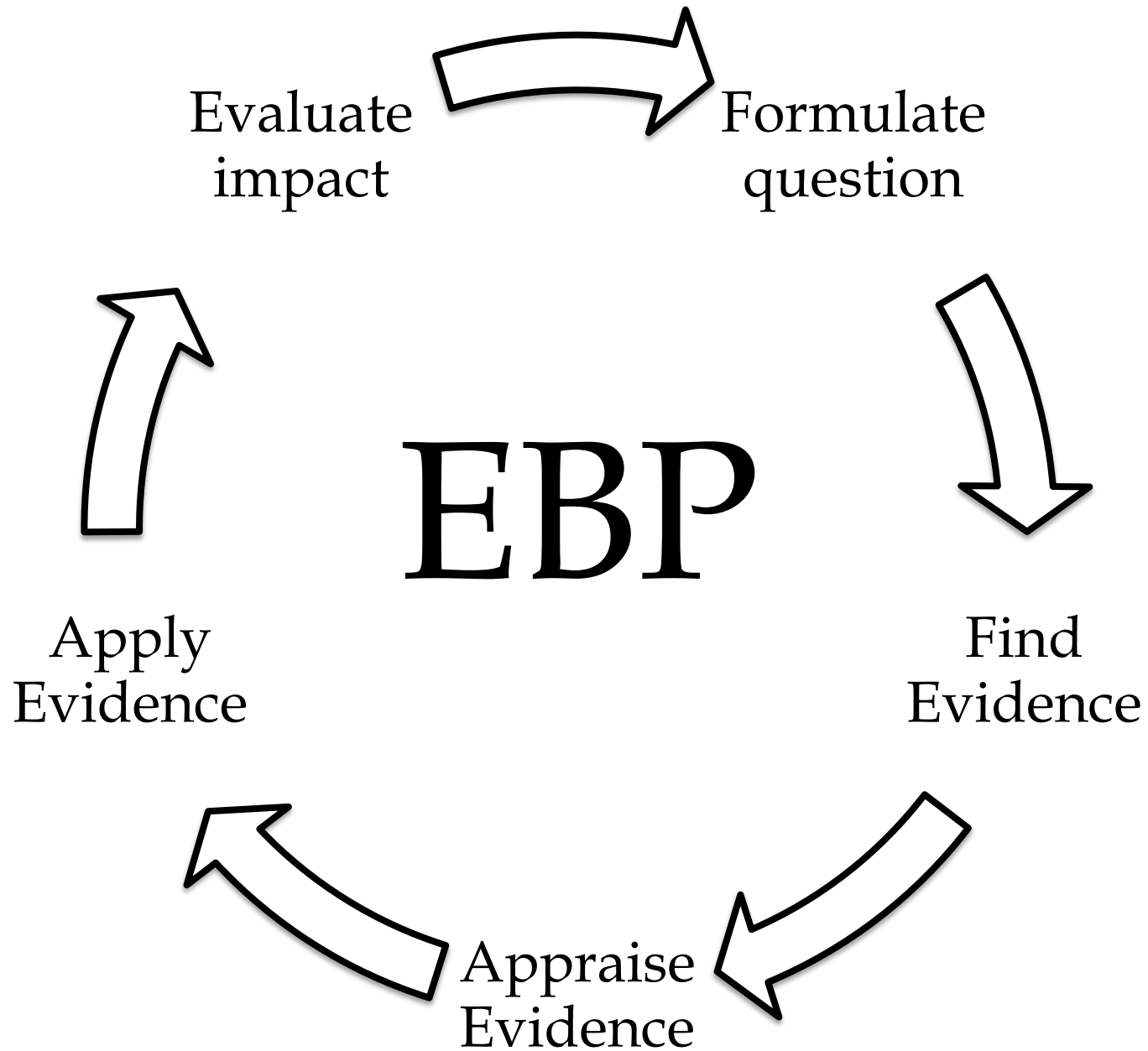
- **Professional Deformation**
 - Viewing a situation through the common perceptions of one's profession rather than by taking a broader perspective.
- **Halo or Horns Effect**
 - Allowing another person's positive or negative characteristics to affect perception of this person in other unrelated contexts.
- **Perseverance of Belief**
 - To persist in believing previously acquired information even after it has been discredited
- **Wishful Thinking**
 - Assessing a situation incompletely according to a desired rather than a likely outcome
- **Worst-Case Scenario**
 - Emphasizing or exaggerating those possible negative outcomes disproportionate to all possible outcomes

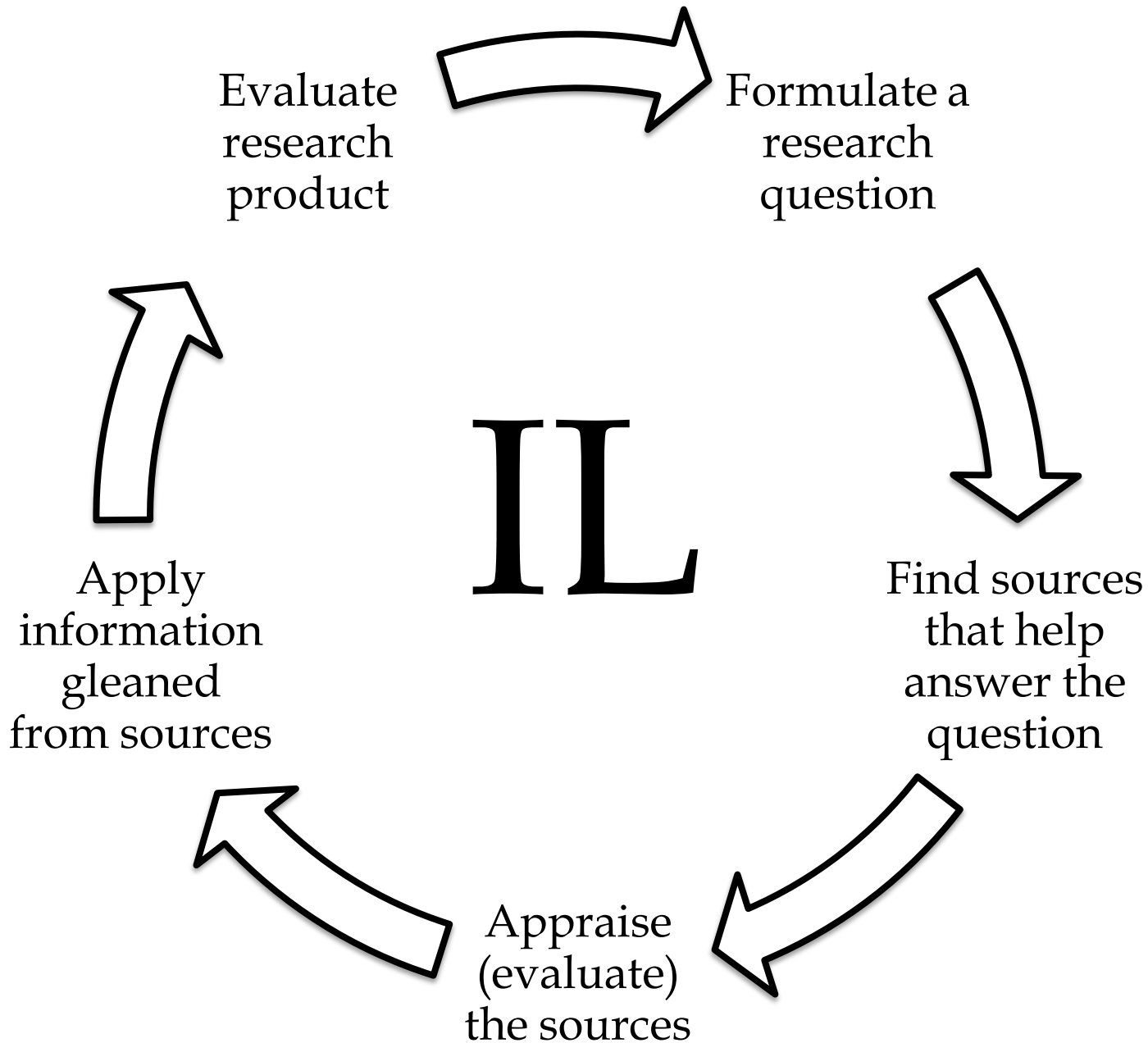


How do
you
combat
cognitive
biases?



How
is
EBP
Like
IL?





Thank you!

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Bibliography of suggested EBP
literature: <http://bit.ly/awUZ5j>

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