COURSE DAY 2: LIT REVIEWS AND PROJECT OVERVIEW

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CEPC 0904

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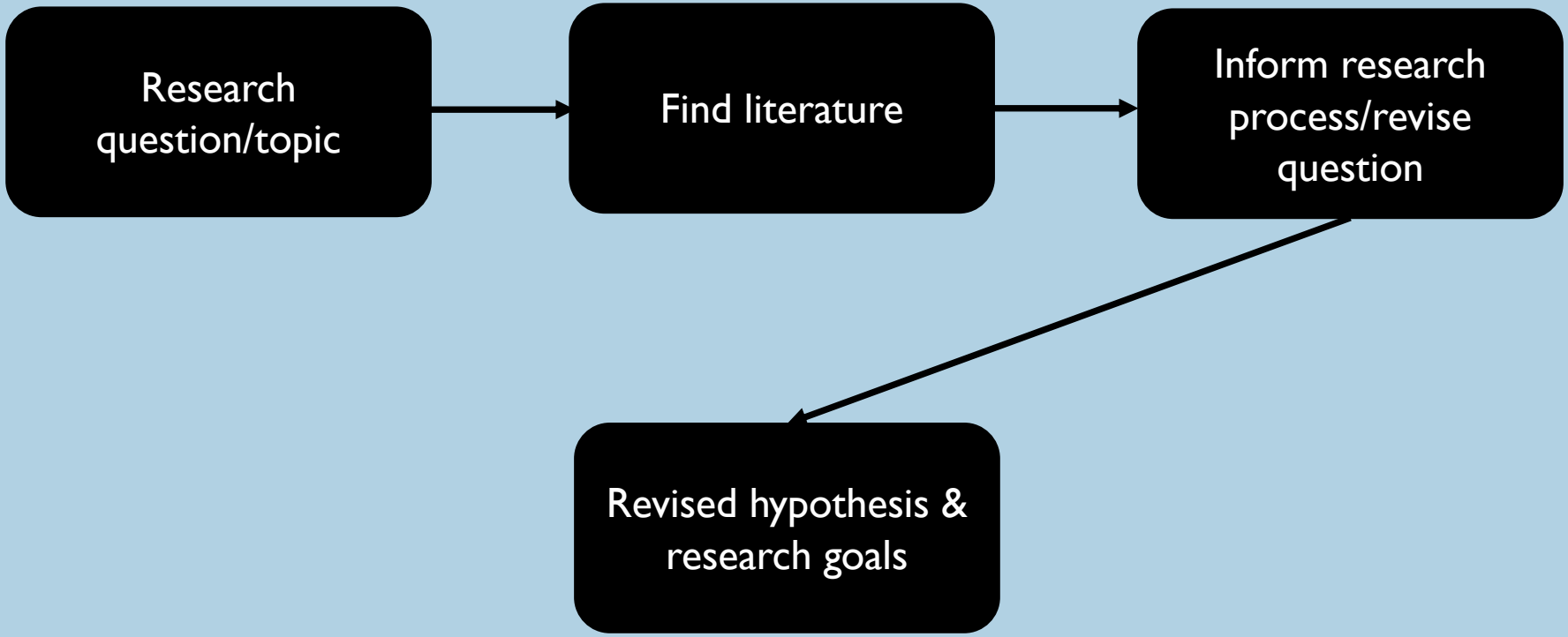
LITERATURE REVIEWS

BIG IDEA


Research question/topic
Find literature
Inform research process/revise question
Revised hypothesis & research goals

GOALS

- Find literature related to your topic
- Extract key findings
- Inform your project/question/hypothesis
- Determine if question has already been researched
  - If so, what were the results? Should you reproduce it? Improve upon it?
- Sometimes entire paper dedicated to examining exiting literature
- Frames your project (you will do this!)

TYPES OF LITERATURE REVIEW

- **Generic lit review (sometimes called narrative review)**
  - Broad scope
  - No formal requirements
  - Dependent on your own timeline
- Systematic review
  - Formal requirements for searching and analysis (see PICO(D), Cochrane)
  - Must summarize results in specific way
  - Register review
  - Compare results in rigorous way
  - Take a while (often 1yr+ with multiple authors/reviewers)

TYPES OF LITERATURE REVIEW CONT.

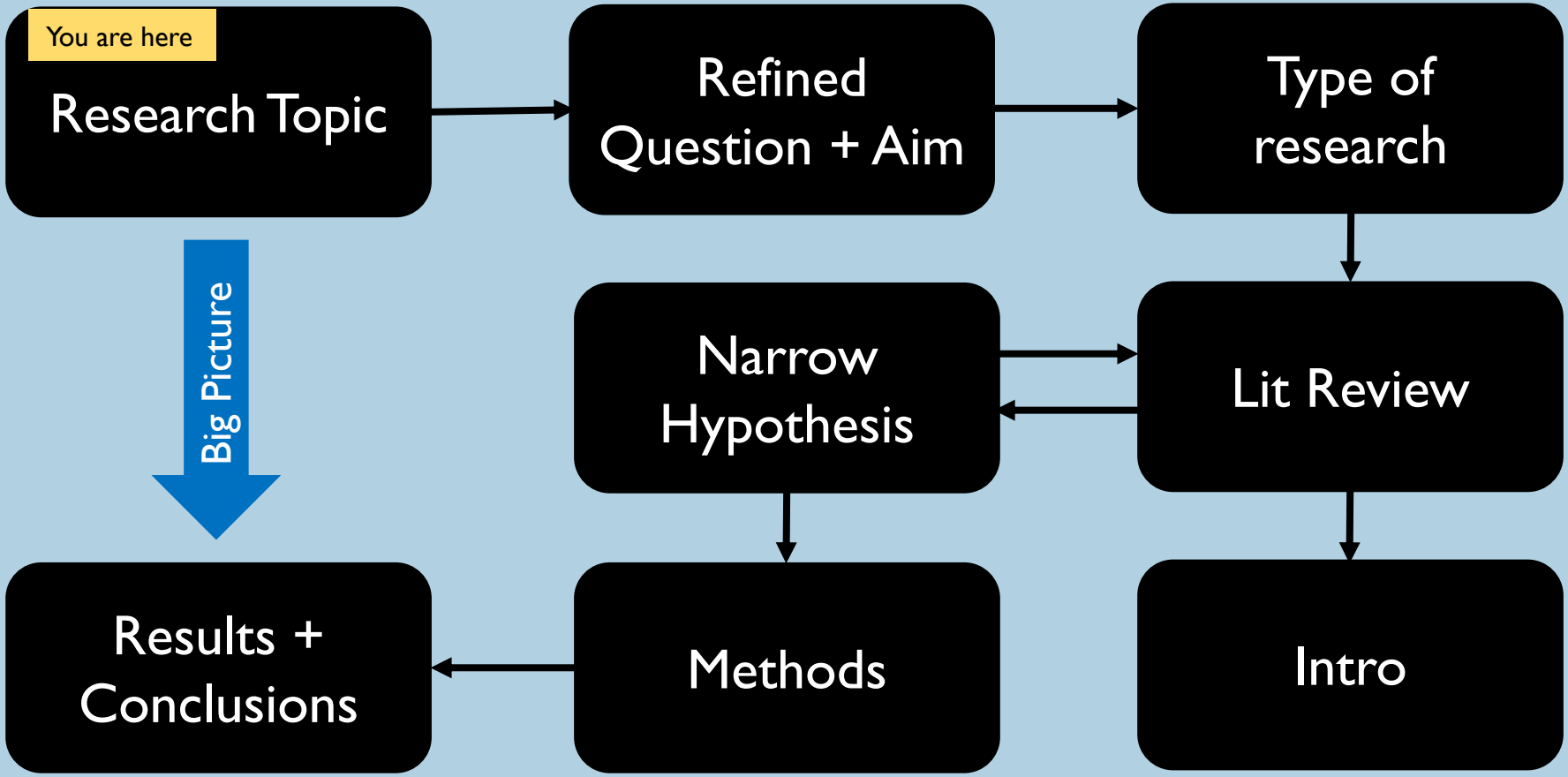
- Meta analyses
  - Systematic review +
  - Requires statistical summary and analysis
  - Applicable when all data/studies are similar
  - Requires even longer time than systematic review
- Other types:
  - Rapid review (time crunched and less rigorous systematic review)
  - Review of reviews (i.e., umbrella review)
  - Scoping review (broader than systematic review, identify gaps, sometimes useful precursor to systematic review)

COVIDENCE EXAMPLE

- https://covidence.org

SEMESTER PROJECT

RESEARCH PROJECT – BIG PICTURE



ASSIGNMENTS

UPCOMING ASSIGNMENTS

- HW 1:
  - https://cepc0904-22.jackhester.com/documents/homework/hw1.pdf
  - Due Friday
- Evidence Synthesis Modules, Quiz 1 next week

FORMATTING REQUIREMENTS

- https://docs.google.com/document/d/119yLk-oJ5zMvbpUHOVId2d_0atF-zsNeL0888FQjRjo/edit#heading=h.e61ffpkk2dgt

QUIZZES AND NOTES

- Open note*
- *"One-pagers"
  - Your own work
  - Summarize key definitions, steps, ideas, etc.
  - Something you'd understand 5 years from now
- https://jackhester.com/teaching/one-pagers

NO CLASS MONDAY!

QUESTIONS? SOFTWARE PROBLEMS?

PROJECT IDEAS/BRAINSTORMING