



# Writing a manuscript for educational research

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# Write a manuscript

- What is the word limit?
- Does the journal provide a template?
- What are the instructions for author?
- Can you follow the instructions, or do you need help?
  - Does it require technical tools?
- What is the typical writing style for the journal?



# Activity 12: Instructions for author

- Select a prospective journal
- Read the instructions for author and other things pertaining to preparing your manuscript carefully
- Answer the questions on the previous slide
- Look at an article from the journal
- Does it follow all the instructions?



# Introduction and literature review

- Always include articles from that journal
- What are typically covered in the introduction/review?
  - Theoretical background
  - Research framework
- Identify gaps
- Explain how your research addresses them
- Write clear research questions

## **Activity 13:** ChatPDF - Chat with any PDF!

- Select an educational research article from a prospective journal
- Download the PDF file and upload it to ChatPDF
- Chat with it to know more about:
  - Theoretical background / framework
  - Research purposes / questions
  - The innovation / intervention
  - Results



# Activity 14: AI research tools revisited

- Select related educational research articles or use an AI research tools to find them
- Let the AI helps in writing a literature review
- AI tools to try
  - Scispace
  - Consensus
  - Elicit
  - ResearchRabbit
  - Scite
  - Semantic Scholar





# Methodology

- Describe everything clearly
  - Research design
  - Methodology
  - How does it help answer the research questions?
  - Sample/participant selection
  - Ethical considerations
  - Intervention
  - Data collection and research instruments
  - Data analysis



# Activity 15: Methodology

- Select an educational research article
- Selection one subsection in methodology
- Discern the style of writing that subsection
- Write your own subsection from Session 2 in that style

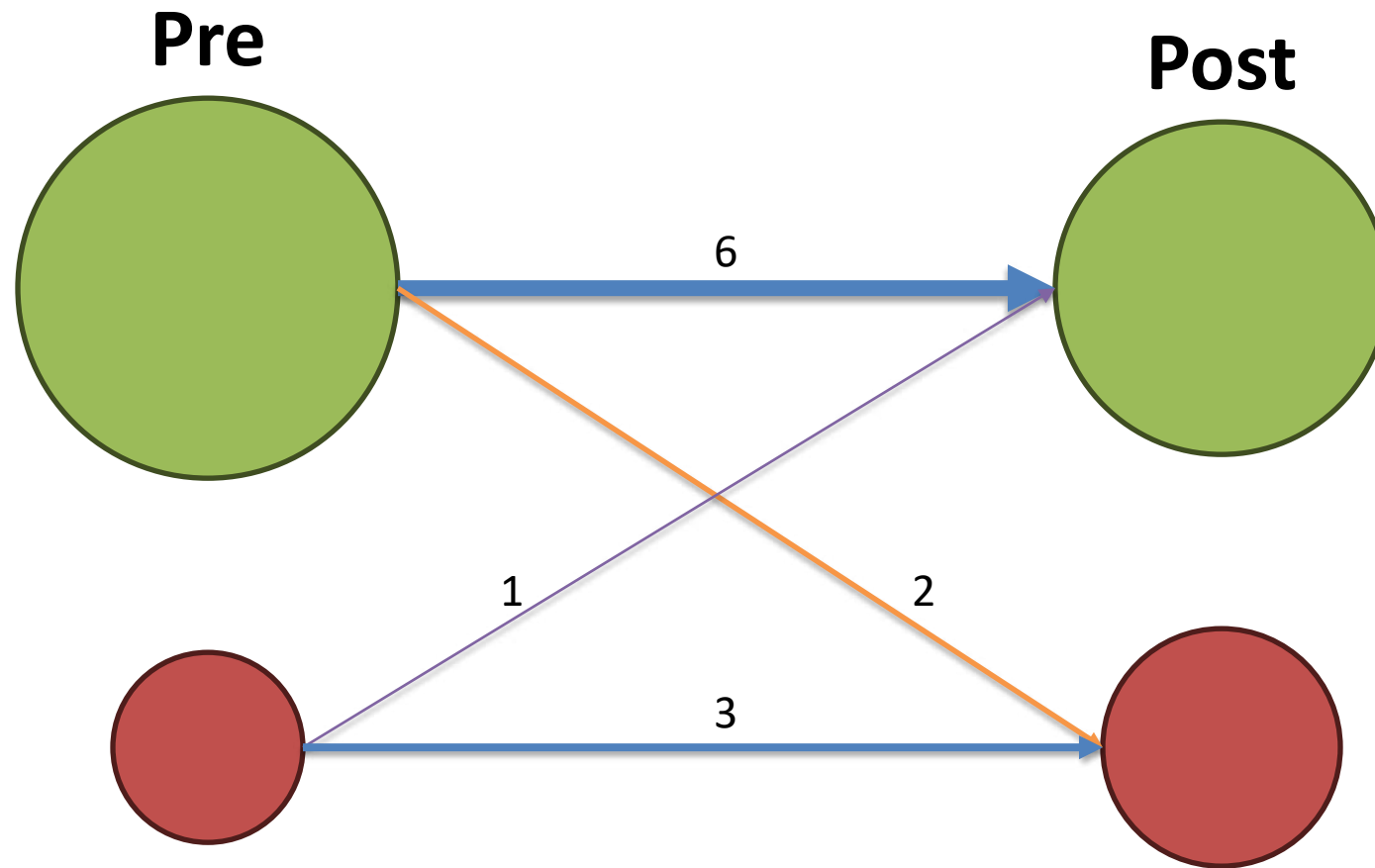




# Present your findings

- Help user visualize the findings
  - Are there innovative ways to present the findings?
- Some qualitative results can be visualized
- Find ways to use diagrams
- Make your tables look professional
- Strictly comply to the instructions for authors
  - Table format
  - Figure resolution and format

# Diagram example





# Discuss your findings

- How does the intervention lead to the results?
- Any evidence to support that?
  - Instances in class
  - Interview
- Can they be explained with the theory that you review?
- Are they comparable to the results of others?
- What are the implications of your findings?



# Manuscript submission

- Is it an automated system or through email?
- Does it require a cover letter?
- Does it require a running title?
- What file formats are allowed?
- Are there other restrictions on the files?
- Can you prepare the files properly?
- What applications are needed?



# How can AI improve your writing?

- Generate/brainstorm idea
- Plan your writing
- Detect grammatical errors
- Give writing suggestions
- Combine writings from several authors
- Rewrite with specific tone and style
- Translate from other languages, especially Thai



# Activity 16: Brainstorming with AI

- Let a GenAI pretend to be 3 instructors discussing about ideas to improve teaching and learning in a certain topic
- Does it give you any idea for your own teaching?
- Can it turn into a research topic?



# Ethical considerations about AI

- How much does a generative AI contribute to your research?
  - How much is too much?
- Should we include it as a coauthor?
- How much should we disclose its use in the research process?