



# “ChatGPT and Research Methods in the Psychology Classroom”

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# Overview of Research Methods





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## GAI learning objectives

- Analyze and evaluate generative AI (ChatGPT) produced material
- Develop generative AI (ChatGPT) literacy skills (e.g., creating appropriate prompts, utilizing AI as an interactive partner)



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# Introduction of ChatGPT

- Create an account
- Ethics
- How to write good prompts



# Introduction of ChatGPT

## Generative AI in this course

Generative AI (Artificial Intelligence that can produce content) is now widely available to produce text, images, and other media. I strongly believe that although in its infancy Generative AI will have a revolutionary impact on how we do things and that you will need to develop the skills to use it as a tool. Because it is in its infancy it has some serious limitations:

- Providing minimum effort prompts, gets low quality results. Writing good prompts in order to get good outcomes is a skill in itself, and it takes work to be developed.
- It tends to hallucinate (make up) information. Any information (number, fact, citation) provided should be assumed as wrong unless one is sure of the answer, or checks with another source (not AI).

It is important that you understand the appropriate use of AI in this class to avoid academic misconduct:

1. If utilized, AI should be used to enhance and supplement academic work, not replace it. Information derived from AI tools is based on previously published materials, therefore using these tools without proper citations constitutes plagiarism.
  - a. Copying and pasting information from AI, even if you cite it, is not your own work, thus it will be considered plagiarism. The writing you submit for your course must be substantially your own work, created by you specifically for this course.
  - b. You must properly cite any information obtained from AI.
    - i. If you paraphrase or use an idea from an AI tool output, you must provide a citation, indicating that the idea, format, and syntax were not originally your own. Information on how to cite it in APA style is [here](#) and MLA style is [here](#).
  - c. Give credit to AI tools whenever used, even if only to generate ideas rather than text or illustrations. If using AI tools on assignments you need to add an appendix showing (a) the entire exchange, highlighting the most relevant sections; (b) a description of precisely which AI tools were used (e.g. ChatGPT free version or DALL-E free version), (c) an explanation of how the AI tools were used (e.g. to generate ideas, turns of phrase, elements of text, lines of argument, pieces of evidence, maps of conceptual territory, illustrations of key concepts, etc.).
  - d. You cannot use AI tools during in-class examinations, or assignments, unless explicitly permitted and instructed.
2. You can use AI for this course for the things listed below, without needing to document that you have used AI (1.c)
  - a. Checking grammar, spelling, punctuation, and style
  - b. Activities that we have done in class or outside of class specifically asking you to use AI.

You are expected to think critically about the appropriate uses of AI in your writing process. While AI tools can enhance your skills, overreliance can hinder learning. Your submitted work should reflect your own ideas, analysis, and synthesis of course materials.



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- Evaluation output
  - Paraphrasing
  - Generating operational definitions
  - APA references formatting



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- Paper project
  - Focusing topic
  - References
  - Keywords references search
  - Introduction
    - Generating ideas for opening paragraph
    - Feedback using rubric



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- Other uses
  - Practice applications for exams
  - Simplified explanations of concepts
  - Additional examples





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Thank you!

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