

GEG 101 Generative AI: Using the CLEAR Framework for Geography Prompts



Overview

For this online activity, you will learn how to create better AI prompts using the CLEAR Framework to get clear and useful answers.

Objectives

- Practice writing clear, effective AI prompts.
- Use ChatGPT to explore a geography topic in-depth.
- Reflect on how well your prompts work and revise them for improvement.

The CLEAR Framework

The CLEAR Framework helps you write strong, focused questions for AI. Here's how it works:

- **Concise:** Make your prompt short and easy to understand. Short prompts make it easier for the AI to understand what you need and give a clear response.
 - Example: *"What causes lake-effect snow near Rochester, N.Y.?"*
- **Logical:** Make your prompts flow in a clear, step-by-step way. This helps the AI give responses that are easy for you to follow and that make sense.
 - Example: *"What are the steps in the process of flooding in low-lying areas, and how can communities prepare?"*
- **Explicit:** Be specific about what you want from the AI. Explicit prompts ensure detailed and accurate answers, whether it's a list, explanation, or creative task.
 - Example 1: *"List three ways climate change affects farming in New York state and explain how each one impacts crop yields."*
 - Example 2: *"Create a mind map for urban sprawl in geography. Include the central idea, main branches, and sub- topics."*
- **Adaptive:** Try different ways to write your prompt and adjust it based on the results you get. Experiment with different wording to see what works best. Look at the AI's response and tweak your question until it gives you the information you're looking for.
 - Example: Start broad: *"What causes urban sprawl?"* If you feel the responses are too general, refine your prompt: *"What causes urban sprawl in the U.S.?"* Then consider making it even more specific: *"What are the main factors contributing to urban sprawl in Rochester, N.Y., and how do they affect local ecosystems?"*
- **Reflective:** Look at how well the AI answered your question and think about how to make future prompts better.

Instructions

1. Choose a Geography Topic:

Pick a topic we've discussed in class that sparks your curiosity. Think about something you'd like to understand better or a question you've wondered about while reading or during class discussions.

2. Write Your First Prompt:

Use the CLEAR Framework to write one question about your chosen topic. Make it concise, logical, and explicit.

3. Test Your Prompt:

Type your question into ChatGPT and read the AI's response. Ask yourself:

- Did the AI answer my question completely?
- Was the response clear, specific, and useful?

4. Revise Your Prompt:

If the response wasn't clear or specific, consider:

- Adding more details to your question.
- Simplifying your question if it was too long.
- Reorganizing your question to make it clearer.
- If your initial question was effective and the AI response was excellent, write a brief note explaining why your question worked well and how it followed the CLEAR Framework.

5. Reflect on Your Prompt:

In a short paragraph, explain:

- a. How you used the CLEAR Framework to write your question.
- b. What changes you made to improve your question, or why your original question was effective.
- c. How your approach will help you write better prompts in the future.

Submit Your Work

Submit on a word document or within Brightspace dropbox submission along with your screenshot.

- Your original question.
- A screenshot of ChatGPT's first response.
- Your revised question.
- A screenshot of the improved response (if applicable).
- Your reflection paragraph.

Rubric

- **Question Quality (1 points):** Clear, well-written question.
- **Revision Effort or Reflection (1 points):** Thoughtful improvement or insight into why your question worked well.
- **Reflection (1 point):** Explains how the process will help you write better prompts.
- **Screenshots (2 points):** Includes clear screenshots of both AI responses.

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