

Assignment 1.X: Explain, Enhance, Summarize

Objective:

In this assignment, you will explore the impact of different prompts and LLMs on the quality and style of generated responses. By comparing and analyzing the outputs from various models and prompts, you will gain a deeper understanding of how to craft effective prompts and select the most suitable LLM for a given task.

Tasks:

1. Choose a short text passage (100-200 words) from a book, article, or website on a topic that interests you.
2. Create three different prompts based on the chosen text: a. Explain: Ask the LLM to explain the main ideas of the text in simple terms. b. Enhance: Ask the LLM to expand upon the text by adding relevant details, examples, or context. c. Summarize: Ask the LLM to provide a concise summary of the key points in the text.
3. Select at least three different LLMs (e.g., ChatGPT, Claude, GPT-4) and generate responses for each of the three prompts using each LLM.
4. Analyze the generated responses: a. Compare the outputs from different LLMs for the same prompt. Note any differences in style, tone, level of detail, and accuracy. b. Evaluate how well each response fulfills the intended purpose of the prompt (explain, enhance, or summarize). c. Identify any strengths or weaknesses in the prompts you created and consider how they could be improved.
5. Document your findings in a report (800-1200 words): a. Include the original text passage and the three prompts you created. b. Present the generated responses from each LLM for each prompt. c. Discuss your analysis of the responses, highlighting key observations and insights. d. Reflect on what you learned about crafting effective prompts and selecting appropriate LLMs for different tasks.

Deliverables:

1. The original text passage and your three prompts.
2. The generated responses from each LLM for each prompt.
3. Your analysis report.

Submission:

- Upload your text passage, prompts, generated responses, and report to the course platform.
- Be prepared to discuss your findings and insights with your classmates in the next session.

Grading:

This assignment will be graded based on:

- Clarity and effectiveness of the prompts created.

- Quality and depth of analysis in comparing and evaluating the generated responses.
- Insights and reflections on prompt crafting and LLM selection.
- Overall clarity, organization, and presentation of the submitted materials.

Remember, the goal of this assignment is to develop a critical understanding of how prompts and LLMs interact to produce different results. By carefully analyzing and reflecting on these interactions, you will build a strong foundation for crafting effective prompts and selecting the most appropriate LLMs for your future projects.