

3. Student Activity

Student Activity: Practicing Ethical Considerations and Advanced Techniques in Prompt Design

Welcome to this interactive session where you'll get hands-on experience with ethical considerations and advanced techniques in prompt design. Follow the steps below and practice each concept with the provided examples.

1. Ethical Considerations in Prompt Design

Addressing Bias and Fairness

Objective: Learn how to create prompts that encourage fair and unbiased responses from AI systems.

Activity Steps:

- 1. Identify Bias:** Review the following prompts and identify any potential biases.
 - Example 1: "Why are women more emotional than men?"
 - Example 2: "Why is Western culture superior?"
 - Example 3: "Why do young people lack discipline?"
 - 2. Rewrite with Neutral Language:** Transform the biased prompts into neutral ones.
 - Example 1: "What are some common emotional expressions in different genders?"
 - Example 2: "What are some unique aspects of Western culture?"
 - Example 3: "What are some challenges young people face in developing discipline?"
 - 3. Test for Fairness:** Use the rewritten prompts with an AI system and evaluate the responses for fairness. Adjust the prompts if necessary to ensure balanced answers.
-

2. Advanced Prompt Techniques

Chaining Prompts

Objective: Practice breaking down complex tasks into smaller, manageable steps to get more detailed responses.

Activity Steps:

1. **Identify a Complex Task:** Choose a topic that requires detailed exploration.
 - Example 1: Writing an essay on renewable energy.
 - Example 2: Planning a healthy diet.
 - Example 3: Understanding the impact of social media on society.
 2. **Break Down the Task:** Create a series of smaller prompts to address different aspects of the topic.
 - Example 1:
 - "What are the different types of renewable energy?"
 - "How does renewable energy benefit the environment?"
 - "What are the challenges in adopting renewable energy?"
 - Example 2:
 - "What are the essential nutrients for a balanced diet?"
 - "How can one incorporate more fruits and vegetables into their meals?"
 - "What are some healthy meal planning tips?"
 - Example 3:
 - "What are the positive effects of social media on communication?"
 - "How does social media influence mental health?"
 - "What are some strategies to use social media responsibly?"
 3. **Evaluate Responses:** Use the chained prompts with an AI system and assess the quality and detail of the responses.
-

Role-Playing

Objective: Use role-playing to guide the AI to provide more creative or specialized responses.

Activity Steps:

1. **Assign a Role:** Choose a role for the AI to adopt.
 - Example 1: "Imagine you are a financial advisor."
 - Example 2: "Pretend you are a travel guide."
 - Example 3: "Act as a history professor."
2. **Create Role-Specific Prompts:** Develop prompts that align with the assigned role.
 - Example 1: "As a financial advisor, what investment strategies would you recommend for beginners?"
 - Example 2: "As a travel guide, what are the must-see attractions in Paris?"

- Example 3: "As a history professor, how would you explain the significance of the Renaissance?"
3. **Analyze Responses:** Use the role-specific prompts with an AI system and evaluate the relevance and creativity of the responses.
-

System-Level Prompts

Objective: Set the tone and style for the entire interaction using system-level prompts.

Activity Steps:

1. **Define the System-Level Prompt:** Establish the rules or tone for the conversation.
 - Example 1: "You are a motivational speaker. Please provide all responses in an encouraging tone."
 - Example 2: "You are a technical expert. Answer all questions with detailed explanations."
 - Example 3: "You are a children's storyteller. Use simple language and imaginative descriptions."
 2. **Create Topic-Specific Prompts:** Develop prompts that fit within the system-level guidelines.
 - Example 1: "What advice would you give to someone starting a new career?"
 - Example 2: "How does blockchain technology work?"
 - Example 3: "Tell a story about a magical forest."
 3. **Evaluate Consistency:** Use the system-level and topic-specific prompts with an AI system and check if the responses maintain the desired tone and style.
-

Conclusion

By practicing these activities, you will gain a better understanding of how to design prompts that are both ethical and effective. Remember to always consider bias and fairness, and use advanced techniques like chaining prompts, role-playing, and system-level prompts to enhance the quality of AI interactions. Happy prompting!