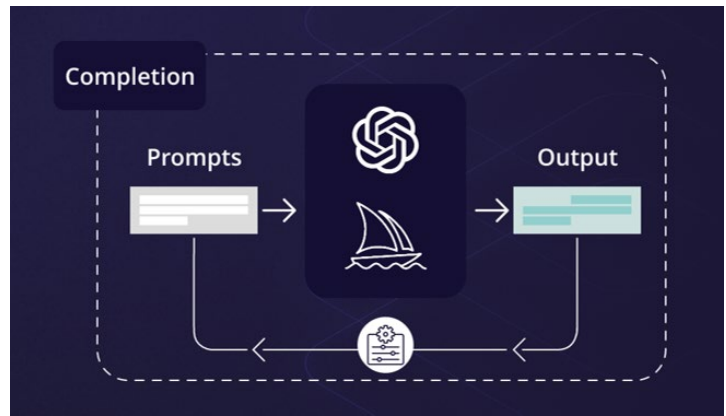# Prompt Engineering

What is Prompt Engineering?

Prompt Engineering is the craft of designing and refining input prompts to generate desired outputs from language models like ChatGPT (see image). Users can guide the model to produce more accurate, insightful, or creative responses by carefully framing or rephrasing prompts.

How can Prompt Engineering be used with ChatGPT?

1. **Achieving Specific Outcomes**: Design prompts to get targeted information or to generate content in a specific style or tone.

2. **Guidance and Constraints**: Incorporate explicit instructions or ask the model to think step-by-step or debate the pros and cons before settling on an answer.

3. **Iterative Refinement**: If the initial response isn't perfect, tweak the prompt or ask follow-up questions to get closer to the desired output.

4. **Template Use**: Use templates to ensure consistency in outputs, especially for repetitive tasks.

Tips & Tricks for Effective Prompt Engineering:

1. **Be Explicit**: If you have a specific format or style in mind, state it clearly in the prompt.

2. **Question Framing**: Sometimes, rephrasing or asking a question differently can yield better results.

3. **Use Examples**: Provide a sample answer or format to guide the model.

4. **Limit Length**: If you want concise answers, specify the desired length or ask for a summary.

5. **Ask for Steps**: If you're unsure of the model's reasoning, ask it to provide step-by-step explanations or to think out loud.

6. **Multi-part Questions**: Break complex queries into multiple parts to ensure thorough answers.

7. **Avoid Ambiguity**: The clearer and more specific your prompt, the more accurate the model's response will likely be.

8. **Iterate and Refine**: Don't be afraid to rephrase or follow up if the initial answer isn't satisfactory.

9. **Stay Informed**: As models and their capabilities evolve, keep abreast of updates and new techniques in prompt engineering.

Remember, prompt engineering aims to harness the full potential of ChatGPT. With practice and creativity, you can master the art of eliciting the best responses from the model!

For additional help and support with Prompt Engineering, contact Dr. Paul Miller @
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