Principles of Effective Prompt Engineering

Different prompt engineering frames that optimize the responses we get by providing clear queries meant for NLP.

You should keep the following in mind when creating prompts:

- **Clarity** – In any communication setting, clarity is very important. The same principles apply to prompt engineering. If you want to craft a good prompt, it's important to be clear about what you want. A good prompt helps the AI provide more accurate responses.

- **Provide context and examples** – This involves providing additional info that can help the AI better understand what the prompt is meant to achieve. By doing this, you increase the chances of getting more accurate responses.

- **Set limitations and constraints** – This involves setting boundaries within which the AI should operate. This increases the chances of getting the intended response, and avoiding undesired/irrelevant information.

- **Break down queries** – Breaking down queries into smaller and more manageable blocks will make it easier for the AI to process the info. This will help the model understand each query and produce better responses.

- **Iterate and rephrase** – In some cases, after giving the AI a query, you might not be satisfied with the response you get. In such cases you can rephrase your prompt and also provide more context for better results.

- **Prioritize important info** – This is where you highlight the most important information in the prompt. By doing this you are telling the AI to focus on providing responses that are relevant to the highlighted

information.

- **Use multiple choice questions** – In a situation where you're stuck with choosing from multiple options, you can provide the AI with different options to work with so you can save time.

- **Request step-by-step explanation** – Let's say you need detailed information or a breakdown of a complex topic. You can structure your prompt in a way that instructs the AI to give responses in a more thorough manner by breaking down each step.

- **Encourage critical thinking** – This can be useful when you are relying on information like a piece of advice from the AI. By encouraging the AI to think critically, you increase the chances of getting a response based on realistic logic.

- **Verify the accuracy of generated response** – Last, but not least, **it's always important to verify the AI-generated responses**. This involves making sure the information is accurate and up to date. By doing this you are able to make sure that you are making an informed decision based on the response generated.

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