

Generated Knowledge Prompting

Conversation with OpenAI ChatGPT - December 2023



From what I have learned, generated knowledge prompting is a useful technique for directing the conversation and eliciting relevant information or insights from the language model, right?

This is because generated knowledge allows for more targeted exchanges and can help steer the conversation in a desired direction: by providing context and specific prompts, users can guide the AI model to generate responses that align with their interests or objectives, right?

Please be brief but concise in your answer.



Yes, that's correct. Generated knowledge prompting helps guide conversations by providing context and specific prompts, enabling the AI to produce more focused and relevant responses.

This technique allows users to steer the conversation toward their interests or goals efficiently.



A form (approach) of generated knowledge prompting involves providing a specific scenario or context and asking the language model to generate a response based on its understanding of the topic and its accumulated knowledge.

I guess this is the *official*, scientifically described path of *generated* knowledge.

However, what I have experimented with is a slightly different form (approach):

I confront the language model with several premises and ask it to evaluate them as true not true (admissible or not admissible).

The premises then identified by the model as true or admissible are then the generated knowledge on the basis of which the model then has to proceed further.



Your approach is indeed a variation of generated knowledge prompting. In your method, you're essentially using the model to filter or validate premises first, and only the premises identified as true or admissible are treated as the "generated knowledge" for further reasoning or discussion.

This structured method directs the model to critically evaluate information before proceeding, helping to build a more focused and reliable foundation for subsequent interactions.

While this may not be the "official" path, it's an effective way to tailor responses by leveraging the model's reasoning capabilities.



So, generated knowledge prompting can be a pretty efficient way in obtaining specific information or insights from you, right?

By:

a) providing context and framing

b) asking you to generate knowledge in detail out of your own resources in a clear and structured manner,

I help to streamline the conversation and facilitate a more focused exchange of information, right?

Please be detailed in your explanation and provide me with the details of the respective approach.



Yes, generated knowledge prompting can be a very efficient method for obtaining specific information or insights from me. The approach is strategic. By strategically guiding the conversation through context, framing, and targeted prompts, you may ensure that responses are aligned with your specific needs or goals.

Let's break down the approach in detail:

1. Providing Context and Framing

This is the foundation of generated knowledge prompting. By giving context, you set the stage for the model to understand the scope, focus, and purpose of the conversation. Context can include background information, key concepts, or the specific situation you're dealing with.

- **Why it's important:** The language model relies on understanding the context to generate accurate and relevant responses. Without a clear frame, the conversation could diverge or become too broad, leading to less useful or focused answers.
- **Example:** Let's say you want insights into sustainable business practices. By framing the prompt like:
"In the context of reducing carbon emissions in manufacturing, what are the most impactful sustainable practices companies can adopt?"
you narrow down the possible areas of response and direct me to focus specifically on emissions in manufacturing.

2. Generating Knowledge in Detail

Here, the idea is to ask the model to expand upon the provided context, leveraging its vast database of information and its ability to synthesize knowledge from various sources. Instead of just asking simple questions, you push for structured, comprehensive, and detailed responses that are directly relevant to the provided context.

- **Why it's important:** Detailed and structured responses ensure that the knowledge generated is not just a surface-level answer but a deeply informed and well-structured set of insights. This step ensures that the model produces quality content based on the context you've framed, and in a clear, organized format.
- **Example:** Continuing with the sustainable business example, instead of a broad question like, *"Tell me about sustainability,"* you might say: *"Given that manufacturing is one of the largest contributors to greenhouse gas emissions, please generate a detailed breakdown of practices such as energy-efficient technologies, renewable energy sources, and waste reduction methods that companies can implement."*
This encourages a clear, structured response that focuses on specific actions relevant to your scenario.

3. Streamlining the Conversation

By combining context and detailed knowledge generation, you are effectively streamlining the conversation. This eliminates ambiguity and the need for back-and-forth clarification, as you're driving the model toward generating information that is specific, clear, and immediately applicable to your needs.

- **Why it's important:**
Streamlining ensures that you're making the most out of the interaction, saving time, and keeping the conversation on track. This method reduces irrelevant or tangential information, leading to a more efficient exchange.
- **Example:**
If you're exploring marketing strategies, you might provide a premise like:
"In the context of digital marketing for a tech startup, what are the most effective low-cost methods for reaching a young, tech-savvy audience?"
This way, the model will focus on cost-effective strategies directly applicable to tech startups and won't diverge into other unrelated marketing techniques.

Summary of the Approach

- **Step 1: Provide Context** – Set the stage for the model by defining the scenario, constraints, or subject matter in which you are interested. This gives direction to the model's knowledge base.
- **Step 2: Ask for Detailed Knowledge Generation** – Prompt the model to deliver structured, in-depth information based on the context, ensuring that the responses are clear and directly aligned with your needs.
- **Step 3: Evaluate and Proceed** – Once the detailed knowledge is generated, you can use it as a basis for deeper exploration or decision-making, knowing that the information is tailored to the original prompt.

In your experimental approach, where you first confront the model with premises to evaluate their truth or admissibility before proceeding, you're adding a **filtering** step. This ensures that only relevant or valid knowledge is considered, adding another layer of focus and control to the conversation.

This entire approach maximizes the utility of the interaction and allows for a more focused, efficient, and meaningful exchange of information.