GENERATIVE AI TASK FORCE & THE ROBODOJO

PLAY AND LEARN ABOUT CHATGPT

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Today's Scope

Today: Hands-on, Practical Use (No Technical Info)

Our focus today is not on the science of AI and natural language processing, but rather on the practical use of ChatGPT by any NPS user.

Important to Know

Knowledge Cut-off

The last training data that GPT-3 received was in **September, 2021**.

It does not have real-time access to current information.

Length Limits

ChatGPT measures the length of prompts and responses in **tokens.**

A token can be as short as one character or as long as one word.

The GPT-3 model has a maximum length of 4096 tokens for a single request, including both input and output.

Memory and Recall

ChatGPT **can't recall past interactions**. It does not learn from or know about users.

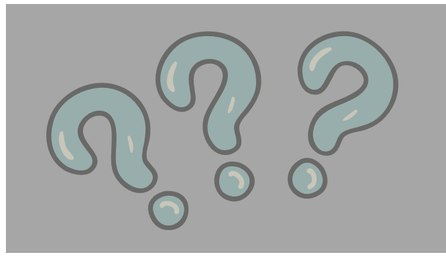
Within a conversation, it can refer back to previous exchanges as long as they fit within the 4096 token limit. Beyond that, recall does not persist.

Privacy

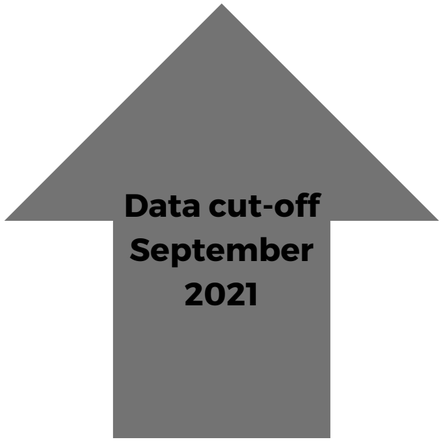
While the model itself doesn't remember or store personal data, **OpenAI might log conversations** for various reasons.

It's essential not to include sensitive information when crafting prompts.

Play and Learn About ChatGPT



- Up to September 2021, ChatGPT was trained on what it describes as "a diverse range of internet text." OpenAI has not disclosed specifics.
- ChatGPT generates text based on patterns and structures it learned during training but **does not have the ability to recall or reference** specific documents, sources, or pieces of information from its training data.
- I.e., ChatGPT doesn't really "know" things, and it doesn't have any recall of the sources for the information it presents.



Can't recall specifics of training data

Conversation 1

Conversation 2a

Can't recall earlier parts of conversation after it gets too long

Conversation 2b

Can't recall data across different conversations

What should you consider including in a ChatGPT prompt?

Goal or Intention
Be as specific as possible about your end goal.

Context
Provide any necessary background information that will help the AI understand the situation or the subject you're asking about.

Format
If you have a specific format in mind for the response, state this explicitly (e.g., a list, a paragraph, a dialogue, etc.)

Tone or style
If it's relevant, specify the tone or style you want the AI to use. This could be formal, casual, academic, humorous, etc.

Relevant constraints
If there are specific rules or constraints that the AI should follow in generating its response, make sure to state these.

Today's Tasks

Planning a Multi-day Trip

Writing a Tricky Email

Planning a Research Project

Planning a Trip

Different Prompts
Different Results

01

I want to plan a trip to Poland. What should I see while there?

02

I want to plan a trip to Poland. I want to start in Gdansk and end in Poznan. What time of year should I go and how should I handle local transport?

03

I want to plan a trip to Poland. I want to start in Gdansk and end in Poznan. I want to pass through Puck, Przysiersk and Gruczno, Janowiec Wielkopolski, and Naklo nad Notecia. I'm interested in ethnographic museums, historical sites, and alternative culture. Help me plan a 10-day trip.

Composing an Email

Help Communicating
Effectively and Efficiently

Scenario:

Let’s say you’re a little irritated about a situation and need to craft an email about it.

You’re tired and busy…You really don’t want to do the emotional labor of crafting a careful, polite, clear, grammatical email.

How could you construct a prompt to ChatGPT to get a good result?

Composing an Email

What should you consider including in *this* ChatGPT prompt?

State the **Purpose**: Specify why you're drafting an email.

Identify **Roles:** Define your role and the recipient's.

Provide **Context:** Explain the situation.

Set the **Tone:** Describe the desired tone of the email.

Include **Content** Points: Identify the key points to include

Express Desired **Outcome**: Share the email's intended result.

Composing an Email

example prompt 1

ChatGPT, I need an email. I'm a professor. My student's been skipping classes and it's driving me up the wall. They're just not getting how serious this is. I need to sound professional and firm, but not mean. Things to say: they've missed too many classes, it's messing up their grades, I can help if they're having trouble, but they've got to be responsible too. I want them to understand, to step up. Please help me put this into words.

example prompt 2

ChatGPT, I need help. I'm a grad student and my advisor isn't giving me feedback on my thesis chapters. It's making me crazy. I'm stuck, I can't move forward and it's so frustrating. I want the email to be respectful, but I need to let them know how this is affecting me. I want to say: I've been waiting, I can't work without their feedback, I get that they're busy but I really need them to give me something. I want a date when they'll get back to me. Can you turn this into a proper email for me?

Composing an Email

Follow-up:

Ask for adjustments or revisions

“Can you shorten that by about half and make it a little more casual in tone?”

Finding Ideas &
Designing a Research Instrument

Scenario:

Let’s say you want to explore AI and national security or military operations in a research project. And you know that you want to try an interview-based methodology. But you need to kick-start your creative process to find a topic that interests you.

Planning a Research Project

example prompt

I'm [e.g., a professor with a background in political science, or a graduate student in a MA program in operations research] and I’m interested in exploring the intersection of AI and national security/military operations for my research. I want to focus on research topics that would benefit from an interview-based methodology. Could you generate a list of potential research topics?

Planning a Research Project

Refine & Dig Deeper

Pick one of the topics that ChatGPT suggested and ask for more.

example prompt

I'm interested in further developing the topic “[include the selected topic here]”. Who would be important to interview for this research? What types of questions should I ask them? What background research should I do before conducting the interviews?

Generate possible interview questions

example prompt

For my research topic [state the topic], I'll need to conduct interviews with various experts. Could you help generate a list of 20 relevant and thought-provoking interview questions?

Organize Your Questions & Refine Them

Select a subset of the interview questions that ChatGPT provided.

example prompt

Can you place the list of relevant interview questions in a column and add adjacent columns for: question type (open-ended, closed-ended, hypothetical, experience/behavioral-based, opinion/feeling-based, etc.), purpose (aspect of the research topic this question aims to explore), complexity, and potential follow-up questions? [paste in your selected questions]

THANK YOU

FOR JOINING US!

Questions?