

August 16 Lab 4 Beginner Basics Bootcamp

Tokens & Limitations

Pricing

ChatGPT4 8,000 token context window = 8K

Input cost is \$0.03 / 1,000 tokens

Output cost is \$0.06 / 1,000 tokens

Best Model for the Task

GPT 3.5 = Analysis of general words

GPT 4 = Analysis of prose

Flowery words and fun dialogue = Claude

Table of inputs and outputs per model

Pricing spreadsheet:

<https://docs.google.com/spreadsheets/d/1I1atobS8QeDHaMYKpeWgyVywrfwUUCQBKfjezWkXqXY/edit#gid=0>

Other Free models: <https://huggingface.co/chat>

Troubleshooting Prompts:

- Run a prompt 2-3 times to make sure it's not a bad dice roll
- Use square brackets [brackets] [/brackets] to define sections of megaprompts
 - () Parentheses can cause confusion because we use parentheses in writing for asides that have nothing to do with "coding"
 - < > can cause issues in tools like [Poe.com](https://poe.com) or any online tool because HTML uses < >
 - { } can cause issues in Remy, and also confuse an LLM to think it's JSON formatting
- *** dinkus or some other denotation between task and information for the task is also a best practice

Prompt Construction

Task: Summarizing a past book

How does a human do it?

Start with Chapter 1 read that.

As I was reading, I would jot notes of things to add into the summary

Write the summary.

AI:

Read the chapter

Ask it to make a bullet point list of major elements in the chapter that should be in the summary

Then write the chapter summary

Prompt:

Read this [chapter] {chapter} [/chapter]. Then make a bullet point list of major elements in the [chapter] that should be in a summary.

Then write the [chapter] summary.