Summarizing

In this lesson, you will summarize text with a focus on specific topics.

Setup

Text to summarize

```
In [12]: prod_review = """
Got this panda plush toy for my daughter's birthday, \
who loves it and takes it everywhere. It's soft and \
super cute, and its face has a friendly look. It's \
a bit small for what I paid though. I think there \
might be other options that are bigger for the \
same price. It arrived a day earlier than expected, \
so I got to play with it myself before I gave it \
to her.
"""
```

Summarize with a word/sentence/character limit

```
In [13]: prompt = f"""
    Your task is to generate a short summary of a product \
    review from an ecommerce site.

Summarize the review below, delimited by triple
    backticks, in at most 30 words.

Review: ```{prod_review}```
    """

response = get_completion(prompt)
    print(response)
```

Soft and cute panda plush toy loved by daughter, but a bit small for the price. Arrived early.

Summarize with a focus on shipping and delivery

The panda plush toy arrived a day earlier than expected, but the customer felt it was a bit small for the price p aid.

Summarize with a focus on price and value

```
In [15]:
    prompt = f"""
    Your task is to generate a short summary of a product \
        review from an ecommerce site to give feedback to the \
        pricing deparmtment, responsible for determining the \
        price of the product.

Summarize the review below, delimited by triple
    backticks, in at most 30 words, and focusing on any aspects \
        that are relevant to the price and perceived value.

Review: ```{prod_review}```
    """

response = get_completion(prompt)
    print(response)
```

The panda plush toy is soft, cute, and loved by the recipient, but the price may be too high for its size.

Comment

· Summaries include topics that are not related to the topic of focus.

Try "extract" instead of "summarize"

```
In [16]: prompt = f"""
Your task is to extract relevant information from \
a product review from an ecommerce site to give \
feedback to the Shipping department.

From the review below, delimited by triple quotes \
extract the information relevant to shipping and \
delivery. Limit to 30 words.

Review: ```{prod_review}```
"""

response = get_completion(prompt)
print(response)
```

The product arrived a day earlier than expected.



review for a standing lamp

review_2 = """

Needed a nice lamp for my bedroom, and this one \\ had additional storage and not too high of a price \\ point. Got it fast - arrived in 2 days. The string \\ to the lamp broke during the transit and the company \\ happily sent over a new one. Came within a few days \\ as well. It was easy to put together. Then I had a \\ missing part, so I contacted their support and they \\ very quickly got me the missing piece! Seems to me \\ to be a great company that cares about their customers \\ and products.

review for an electric toothbrush

review 3 = """

My dental hygienist recommended an electric toothbrush, \ which is why I got this. The battery life seems to be \ pretty impressive so far. After initial charging and \ leaving the charger plugged in for the first week to \ condition the battery, I've unplugged the charger and \ been using it for twice daily brushing for the last \ 3 weeks all on the same charge. But the toothbrush head \ is too small. I've seen baby toothbrushes bigger than \ this one. I wish the head was bigger with different \ length bristles to get between teeth better because \ this one doesn't. Overall if you can get this one \ around the \$50 mark, it's a good deal. The manufactuer's \ replacements heads are pretty expensive, but you can \ get generic ones that're more reasonably priced. This \ toothbrush makes me feel like I've been to the dentist \ every day. My teeth feel sparkly clean!

review for a blender

review_4 = """

So, they still had the 17 piece system on seasonal \ sale for around \$49 in the month of November, about \ half off, but for some reason (call it price gouging) \ around the second week of December the prices all went \ up to about anywhere from between \$70-\$89 for the same \ system. And the 11 piece system went up around \$10 or \ so in price also from the earlier sale price of \$29. \ So it looks okay, but if you look at the base, the part \ where the blade locks into place doesn't look as good \ as in previous editions from a few years ago, but I \ plan to be very gentle with it (example, I crush \ very hard items like beans, ice, rice, etc. in the \ blender first then pulverize them in the serving size \ I want in the blender then switch to the whipping \setminus blade for a finer flour, and use the cross cutting blade \ first when making smoothies, then use the flat blade \setminus if I need them finer/less pulpy). Special tip when making \ smoothies, finely cut and freeze the fruits and \ vegetables (if using spinach-lightly stew soften the \ spinach then freeze until ready for use-and if making \ sorbet, use a small to medium sized food processor) \ that you plan to use that way you can avoid adding so \ much ice if at all-when making your smoothie. \ After about a year, the motor was making a funny noise. \ I called customer service but the warranty expired \ already, so I had to buy another one. FYI: The overall \ quality has gone done in these types of products, so \ they are kind of counting on brand recognition and \ consumer loyalty to maintain sales. Got it in about $\$ two days.

reviews = [review 1, review 2, review 3, review 4]

```
In [18]: for i in range(len(reviews)):
    prompt = f"""
    Your task is to generate a short summary of a product \
    review from an ecommerce site.

Summarize the review below, delimited by triple \
    backticks in at most 20 words.

Review: ```{reviews[i]}```
"""

response = get_completion(prompt)
    print(i, response, "\n")
```

- 0 Soft and cute panda plush toy loved by daughter, but a bit small for the price. Arrived early.
- 1 Affordable lamp with storage, fast shipping, and excellent customer service. Easy to assemble and missing parts were quickly replaced.
- 2 Good battery life, small toothbrush head, but effective cleaning. Good deal if bought around \$50.
- 3 Mixed review of a blender system with price gouging and decreased quality, but helpful tips for use.

Try experimenting on your own!

In []:				
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