## **Expanding**

In this lesson, you will generate customer service emails that are tailored to each customer's review.

## **Setup**

## Customize the automated reply to a customer email

In []: | # given the sentiment from the lesson on "inferring", # and the original customer message, customize the email sentiment = "negative" # review for a blender review = f""" 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 \ blade for a finer flour, and use the cross cutting blade \ first when making smoothies, then use the flat blade \ 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 \

https://s172-30-113-200p8888.lab-aws-production.deeplearning.ai/notebooks/I7\_expanding/I7-expanding.ipynb

two days.

.....

```
In [ ]: | prompt = f"""
        You are a customer service AI assistant.
        Your task is to send an email reply to a valued customer.
        Given the customer email delimited by ```, \
        Generate a reply to thank the customer for their review.
        If the sentiment is positive or neutral, thank them for \
        their review.
        If the sentiment is negative, apologize and suggest that \
        they can reach out to customer service.
        Make sure to use specific details from the review.
        Write in a concise and professional tone.
        Sign the email as `AI customer agent`.
        Customer review: ```{review}``
        Review sentiment: {sentiment}
        response = get_completion(prompt)
        print(response)
```

## Remind the model to use details from the customer's email

```
In []: prompt = f"""
You are a customer service AI assistant.
Your task is to send an email reply to a valued customer.
Given the customer email delimited by ```, \
Generate a reply to thank the customer for their review.
If the sentiment is positive or neutral, thank them for \
their review.

If the sentiment is negative, apologize and suggest that \
they can reach out to customer service.
Make sure to use specific details from the review.
Write in a concise and professional tone.
Sign the email as `AI customer agent`.
Customer review: ```{review}```
Review sentiment: {sentiment}
"""
response = get_completion(prompt, temperature=0.7)
print(response)
```