

```
In [1]: import openai
import os
import wikipedia
```

## 1.) Set up OpenAI and the enviornment

```
In [ ]: # DONE sk-UYUvBi9bfA8Camm9PnNQ3BlbkFJLFatIqvpmfBNYFVa03T
```

```
In [5]: apikey = "sk-UYUvBi9bfA8Camm9PnNQ3BlbkFJLFatIqvpmfBNYFVa03T"
```

```
In [7]: openai.api_key = apikey
```

```
In [9]: client = openai.OpenAI( api_key = openai.api_key)
```

```
In [ ]:
```

## 2.) Use the wikipedia api to get a function that pulls in the text of a wikipedia page

```
In [11]: page_titles = ['Artificial Intelligence', 'UCLA']
```

```
In [12]: page_title = page_titles[0]
```

```
In [17]: search_results = wikipedia.search(page_title)
```

```
In [18]: page = wikipedia.page(search_results[0])
```

```
In [23]: def get_wikipedia_content(page_title):
    search_results = wikipedia.search(page_title)
    page = wikipedia.page(search_results[0])
    return(page.content)
```

```
In [25]: content = get_wikipedia_content(page_title)
```

```
In [ ]:
```

## 3.) Build a chatgpt bot that will analyze the text given and try to locate any false info

```
In [78]: chat_completions = client.chat.completions.create(
    model = 'gpt-4',
    messages = [
        {'role': 'system', 'content': 'you will see an article, list anything that is'},
        {'role': 'user', 'content': content[:8180]}]
```

```
)
```

```
In [79]: chat_completions.choices[0].message.content
```

```
Out[79]: 'Done'
```

```
In [80]: def chatgpt_error_correction(text):  
    chat_completions = client.chat.completions.create(  
        model = 'gpt-4',  
        messages = [  
            {'role': 'system', 'content': 'you will see an article, list anything that is  
            {'role': 'user', 'content': text[:8180]}}]  
        )  
    print(chat_completions.choices[0].message.content)
```

```
In [ ]:
```

```
In [81]: page_titles = ['Artificial Intelligence', 'UCLA', '30 Years War']
```

## 4.) Make a for loop and check a few wikipedia pages and return a report of any potentially false info via wikipedia

```
In [82]: for page_title in page_titles:  
    try:  
        print("_____ " + page_title)  
        content = get_wikipedia_content(page_title)  
        chatgpt_error_correction(content)  
    except:  
        print('ERROR')
```

\_\_\_\_\_ Artificial Intelligence  
done

\_\_\_\_\_ UCLA

The claim that UCLA is the second-oldest of the ten-campus University of California system after the University of California, Berkeley could be false as there might be other universities in the system that were established earlier.

The claim that UCLA has won 121 NCAA team championships is not verifiably true without specific data.

The claim that 410 Bruins have made Olympic teams and winning 270 Olympic medals: 136 gold, 71 silver, and 63 bronze is not verifiable without specific data.

The claim that UCLA has been considered a Public Ivy might be false considering this term is not officially designated and may vary based on interpretations.

The claim that UCLA was represented in every Olympics since the university's founding except in 1924 could be false as there may be Olympics where UCLA wasn't represented.

The claim that as of August 2021, 55 associated faculty members have been elected to the National Academy of Sciences, 29 to the National Academy of Engineering, 41 to the National Academy of Medicine and 156 to the American Academy of Arts and Sciences could be false as these numbers may have changed.

The claim that On May 23, 1919, California Governor William D. Stephens signed Assembly Bill 626 into law is not verifiable without access to specific historical records.

The claim that UCLA's President from 1951, Raymond B. Allen, was the first chief executive to be granted the title of chancellor could be false if there were other presidents who were granted the title before him.

The claim that on June 1, 2016, two men were killed in a murder-suicide at an engineering building in the university is not verifiable without access to police or news reports.

The claim that in 2018, a student-led community coalition known as "Westwood Forward" successfully led an effort to break UCLA and Westwood Village away from the existing Westwood Neighborhood Council and form a new North Westwood Neighborhood Council is not verifiable without access to specific local government or university records.

The claim that in 2014, a graduate student adviser and professor in the history department, Gabriel Piterberg, was accused of sexually assaulting two students is not verifiable without access to the police or court records.

The claim that In 2022, UCLA signed an agreement to partner with the Tongva for the caretaking and landscaping of various areas of the campus could be false if no such agreement exists.

\_\_\_\_\_ 30 Years War

1. The article states the Thirty Years' War resulted in population declines of over 50% in parts of modern Germany. This might be an overestimation and can vary based on different historical sources.

2. The war's outbreak is traced to 1618 when Emperor Ferdinand II was deposed and replaced by the Protestant Frederick V of the Palatinate. However, the decision to depose Ferdinand II and install Frederick V as the king of Bohemia may not be the sole reason for the outbreak of the war.

3. The article says the position of the Holy Roman Emperor had been held by the House of Habsburg since 1440. There could be exceptions during this period.

4. The claim that Spain was a global maritime superpower with possessions stretching from Europe to the Philippines and much of the Americas can be subjective depending on the time frame and the definition of a "superpower".

5. When discussing the 1552 Peace of Passau, the article claims it sought to resolve the issues leading to conflict between Protestants and Catholics within the Holy Roman Empire. However, its effectiveness or the degree to which it achieved this aim might vary based on different historical perspectives.

6. The statement about Emperor Rudolf approving intervention by the Catholic Maximilian of Bavaria during the 1606 'Battle of the Flags' in Donauwörth may be interpreted differently in various historical sources.

In [ ]: