

Customer Reviews Analysis

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Introduction

- For this task, I analyzed customer reviews about British Airways collected from Skytrax, a leading review platform for airlines.
- The primary objective was to understand customer sentiment, identify common themes in feedback, and uncover actionable insights to enhance customer experience.
- Using Python, I scraped, cleaned, and analyzed textual data from customer reviews.
- The results provide a comprehensive understanding of customer perspectives, highlighting areas of excellence and opportunities for improvement.

Data Scraping through Python

Web Scraping to Get Customer Reviews [3]: **import** requests from bs4 import BeautifulSoup import pandas as pd import requests from bs4 import BeautifulSoup base_url = "https://www.airlinequality.com/airline-reviews/british-airways" pages = 10 page_size = 100 reviews = [] # for i in range(1, pages + 1): for i in range(1, pages + 1): print(f"Scraping page {i}") # Create URL to collect links from paginated data url = f"{base_url}/page/{i}/?sortby=post_date%3ADesc&pagesize={page_size}" # Collect HTML data from this page response = requests.get(url) # Parse content content = response.content parsed_content = BeautifulSoup(content, 'html.parser') for para in parsed_content.find_all("div", {"class": "text_content"}): reviews.append(para.get_text()) print(f" ---> {len(reviews)} total reviews")

Scraping page 1

Scraping page 2

Scraping page 3

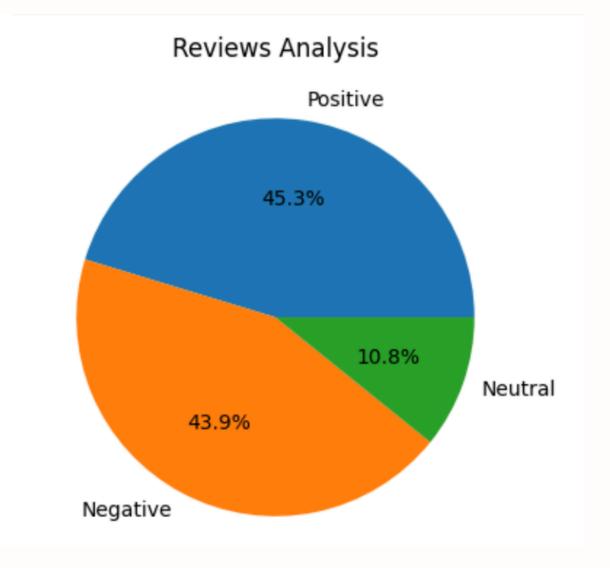
---> 100 total reviews

---> 200 total reviews

Sentiment Analysis Result

```
[33]: vader_counts = df['Analysis'].value_counts()
vader_counts

[33]: Analysis
Positive     453
Negative     439
Neutral      108
Name: count, dtype: int64
```



Visualization using WordCloud

```
crew
```