

SENTIMENT ANALYSIS

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Title and Content Layout with List

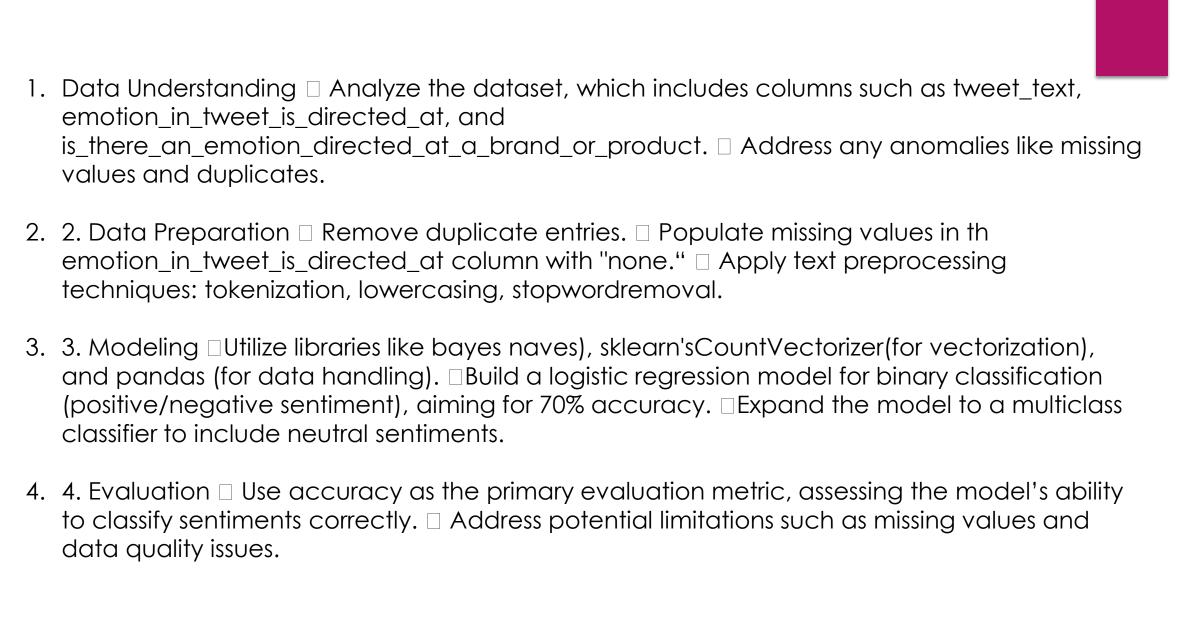
This project aims to develop a Natural Language Processing (NLP) model to analyze sentiment in Tweets related to Apple and Google products. By classifying the sentiment of these Tweets as positive, negative, or neutral, the model will provide valuable insights into public perception, aiding businesses in marketing strategies and product development.

BUSINESS UNDERSTANDING

BUSINESS PROBLEM.



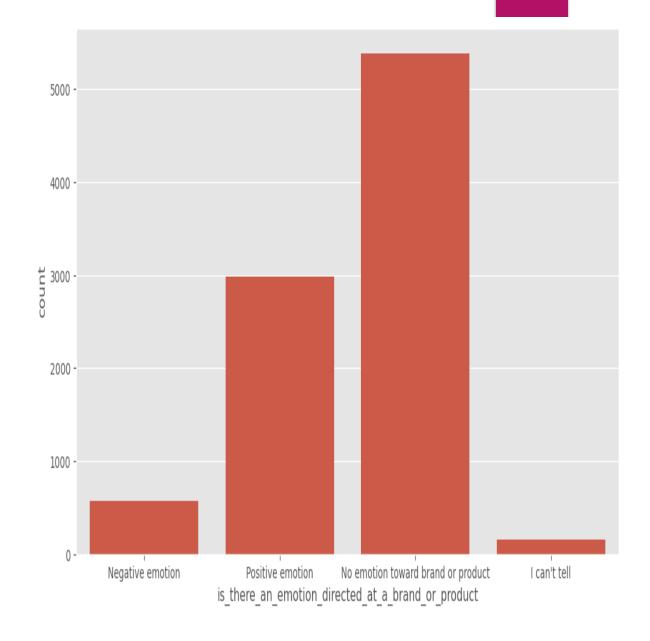
MAIN OBJECTIVES



VISUALIZATIONS

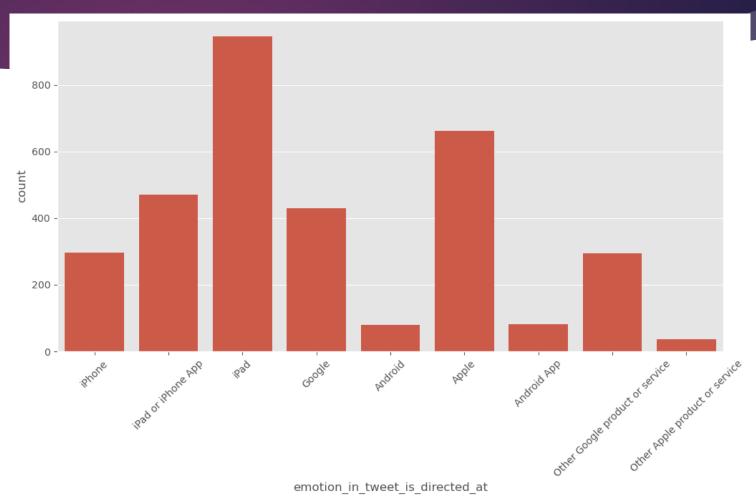
Sentiment Comparison Between Apple and Google Products

In this visualization there was more neutral reaction to the products .There was also a visualisation which couldn't be predicted and therefore we dropped it later.

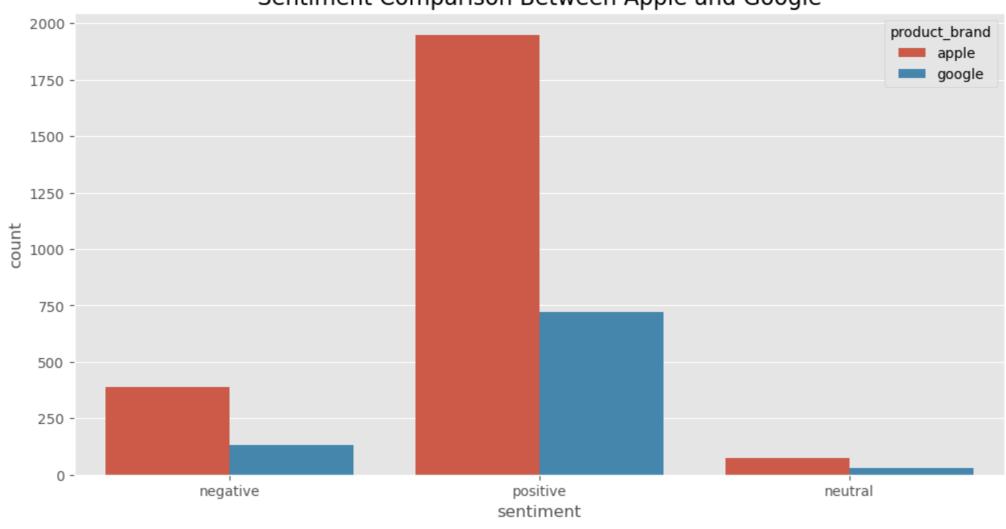


Sentiment Breakdown and Visualization

▶ The bar charmeveals that iPad is the most frequently mentioned product in the tweets, followed by other Apple products (iPad, iPhone, and Apple) and Google products. Android related products receive fewer mentions, highlighting the dominance of Apple products in user directed sentiments

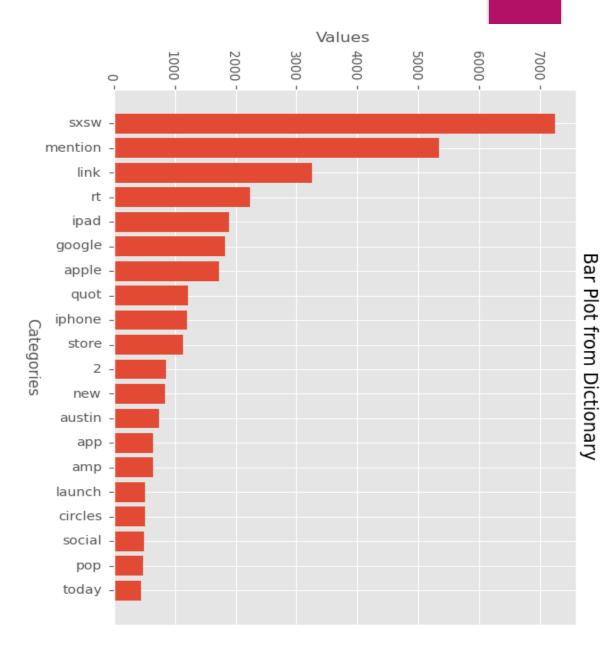


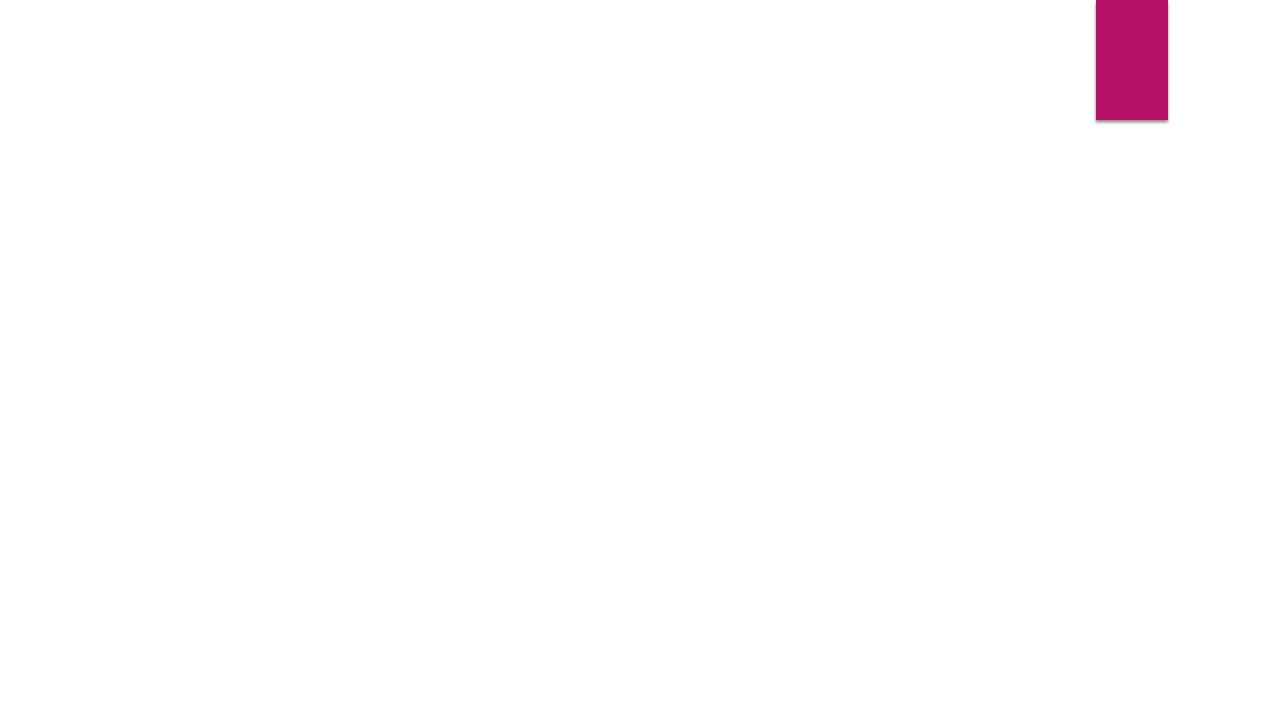
Sentiment Comparison Between Apple and Google



The bar chart above compares the sentiment distribution between Apple and Google products. For positive sentiment, Apple has a significantly higher count compared to Google, indicating a strong positive reaction toward Apple products. Negative sentiment is more balanced but still higher for Apple than Google. Both brands have very low counts in the neutral sentiment category, with Apple showing slightly more mentions than Google. This comparison suggests that Apple products generate more engagement, particularly in positive sentiment, than Google products

From this visual, we notice that common terms like "link", "rt", "rt", and "google" dominate the conversation, reflecting the general focus of discussions in the tweets.





RECOMMENDATIONS