Sentiment Analysis with NLP

Overview:

- Conduct market research for Prestige marketing firm
- Classify sentiment on tweets
- Use natural language processing techniques.

Data Understanding:

- Data from Data.World
- Over 9,000 Tweets
- 3 Columns Tweet, Brand, Emotion

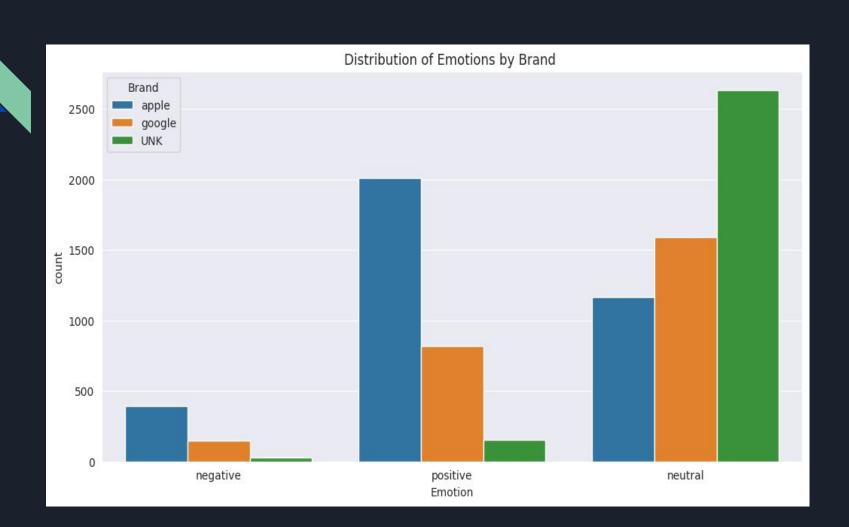


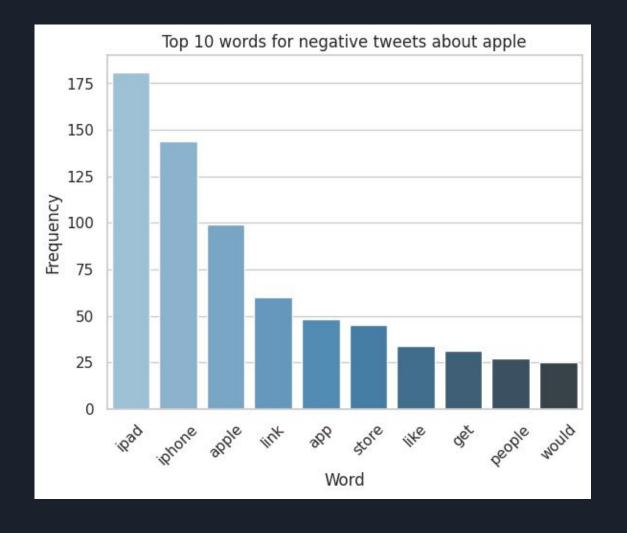
Business Problem:

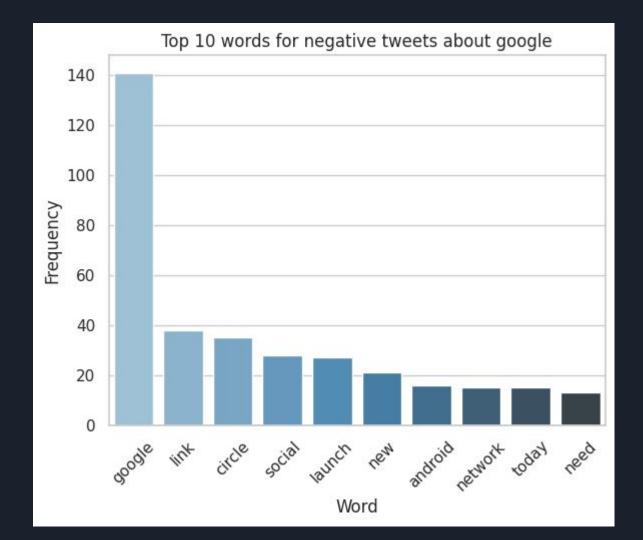
• Is this Tweet positive neutral or negative?

Multiclass classification

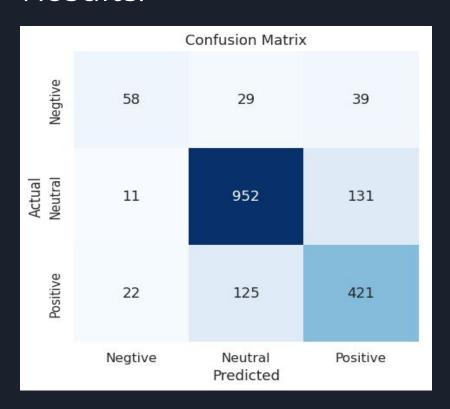
Focus on improving accuracy of model







Results:



Accuracy: 80%

Recommendations:

- Focus on negative sentiment
- Leverage positive sentiment
- Use targeted ads

Whats next?

- Collect more Tweets
- Use twitter api for Tweet performance
- Use more complex models

Thank You!

- Full analysis below:
- https://github.com/inagib21/TweetSentiment