Twitter Sentiment Analysis

Max Zimmerman
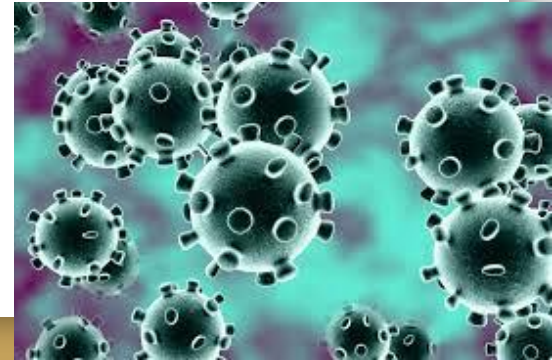
Dataset:

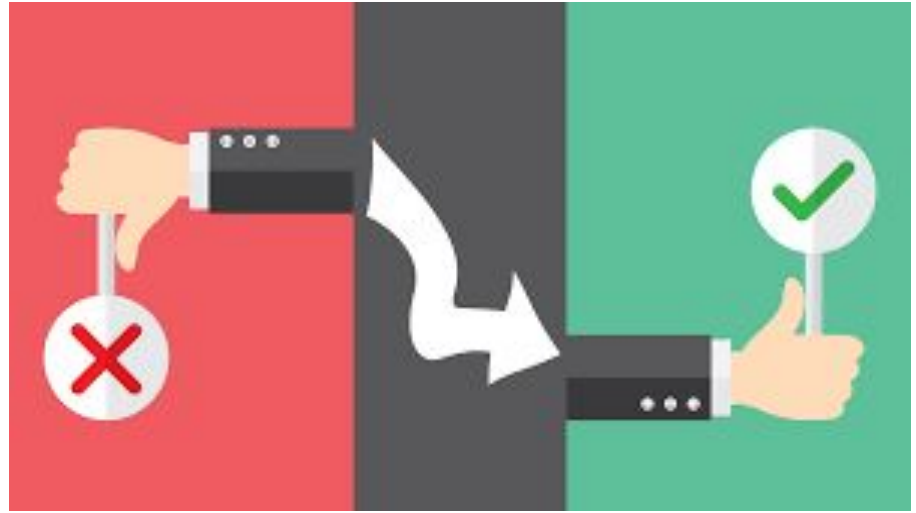|		
0	.@wesley83 I have a 3G iPhone. After 3 hrs twe...	Negative emotion
1	@jessedee Know about @fludapp ? Awesome iPad/i...	Positive emotion
2	@swonderlin Can not wait for #iPad 2 also. The...	Positive emotion
3	@sxsw I hope this year's festival isn't as cra...	Negative emotion
4	@sxtxstate great stuff on Fri #SXSW: Marissa M...	Positive emotion
...	...	...
9088	Ipad everywhere. #SXSW {link}	Positive emotion
9089	Wave, buzz... RT @mention We interrupt your re...	No emotion toward brand or product
9090	Google's Zeiger, a physician never reported po...	No emotion toward brand or product
9091	Some Verizon iPhone customers complained their...	No emotion toward brand or product
9092	Ï¡Ïàü_ÊÎÒ£Áåâ_£â_ÛâRT @...	No emotion toward brand or product

Main Mission:

- Describe the overall emotional sentiment across a region of tweets without needing to read each tweet individually
- Create an accurate model to classify tweets as Negative, Positive, or Neutral
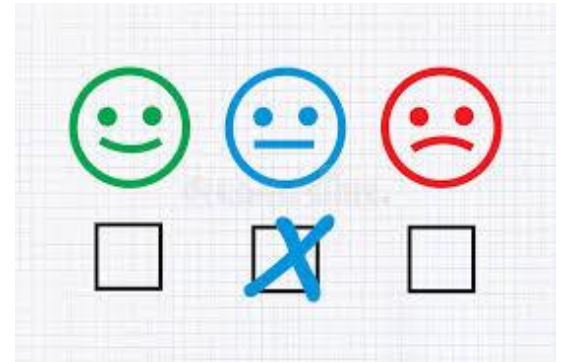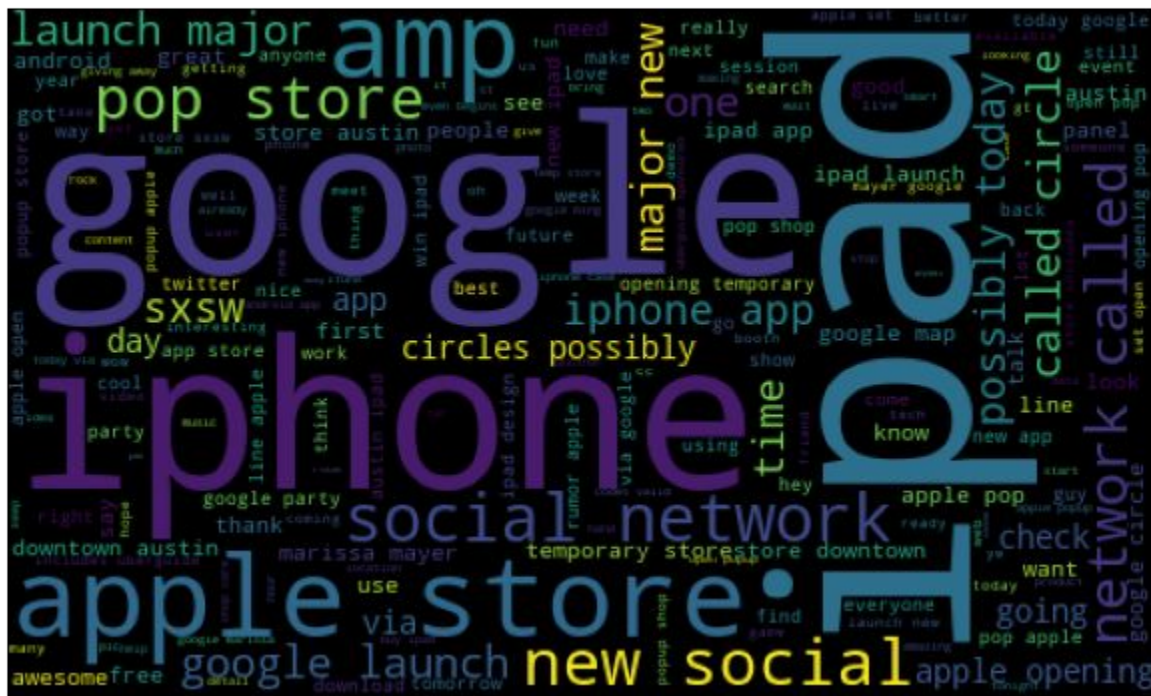- Interpret how Twitter reacts to relevant world news/updates/events
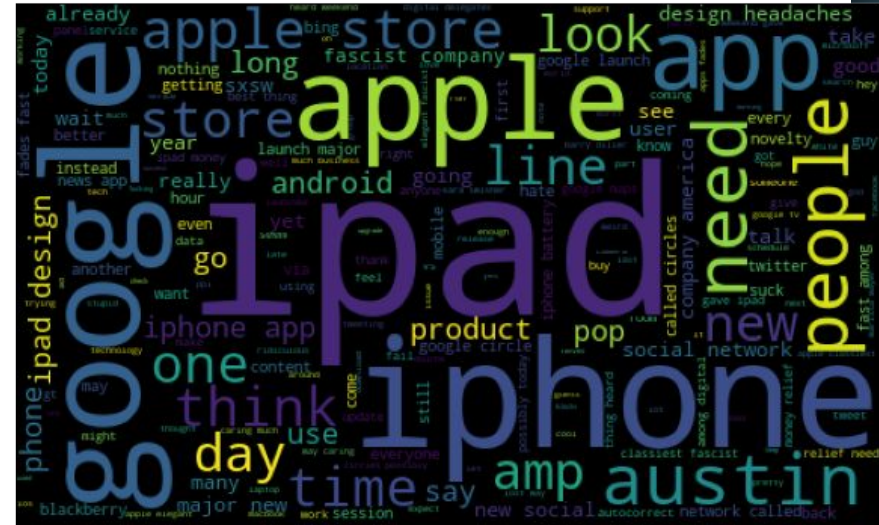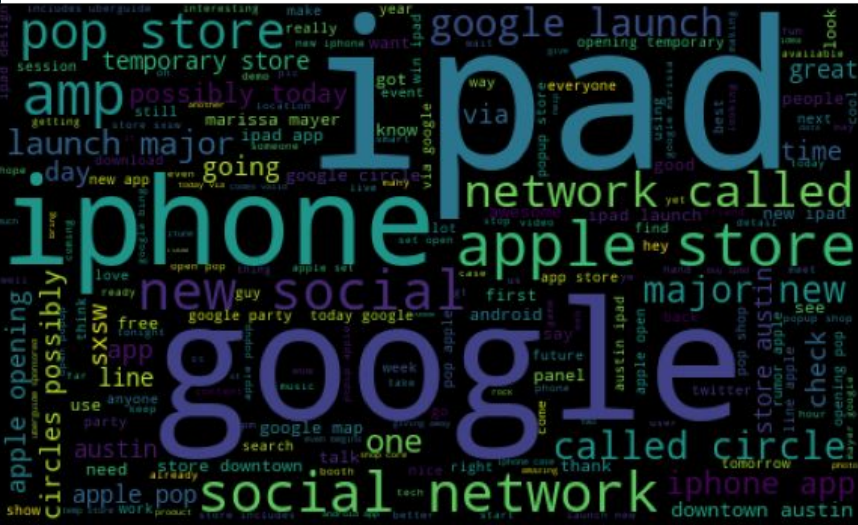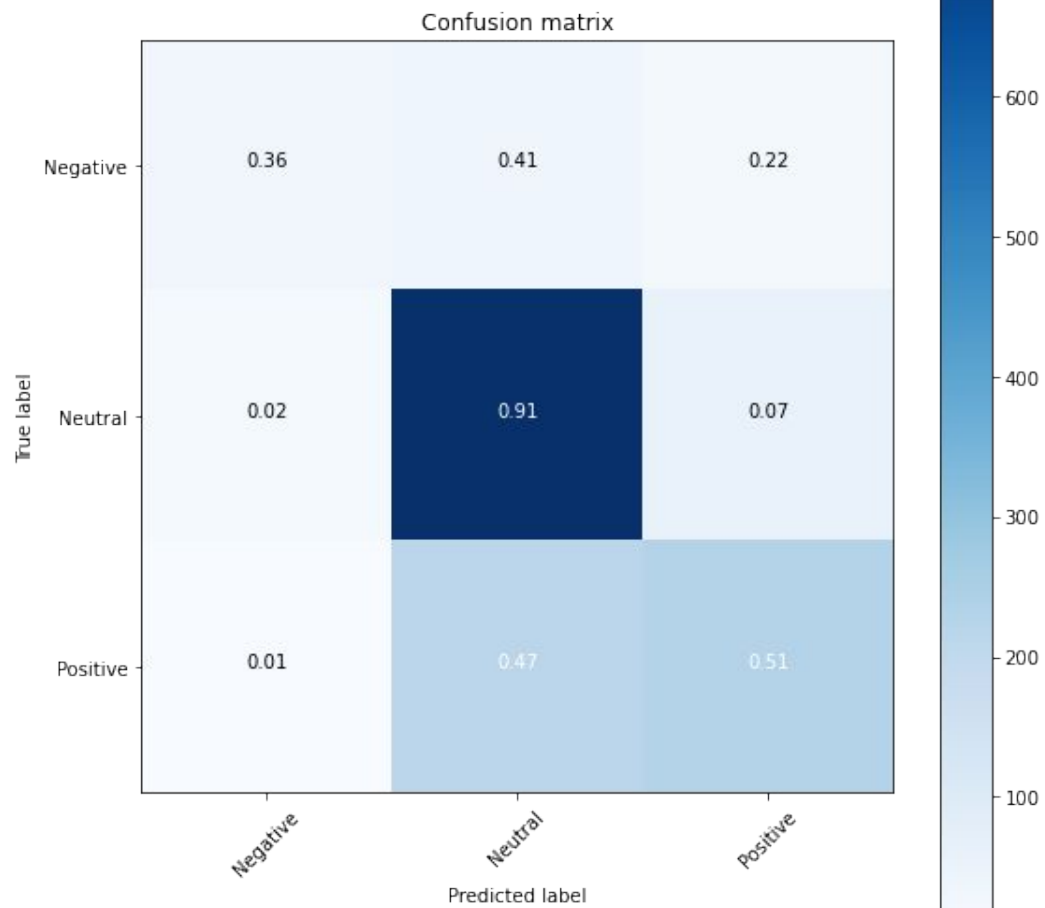
Challenges:

Limited Data

Unequal Amount of Classes

How was this accomplished?

Positive

Negative

Confusion matrix

Best Score/Interpretation

Best Accuracy Score:

.7486 or 74.86%

Future Recommendations

More Data

Well Rounded Data

Youtube Comment Section

Thank You!