
Twitter Sentiment Analysis on Tech Brands

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Overview

- Proof of concept model to predict sentiment of Twitter posts based on their content



Outline

- Business Problem
- Data
- Analysis and Results
- Next Steps

Business Problem

- Sentiment analysis can be used to process customer feedback
- Benefits of sentiment analysis:
 - Efficient and quick way to process huge amounts of data
 - Real-time analysis of customer issues
 - Consistent criteria to sort review data with
- Goal: make informed decisions to increase customer satisfaction

Data

- Twitter posts (tweets) about Apple and Google products
 - Human raters were asked to rate tweets as “positive”, “negative”, or no emotion
- More positive tweets than negative
 - More tweets about Apple products on both sides than Google?

Negative emotion

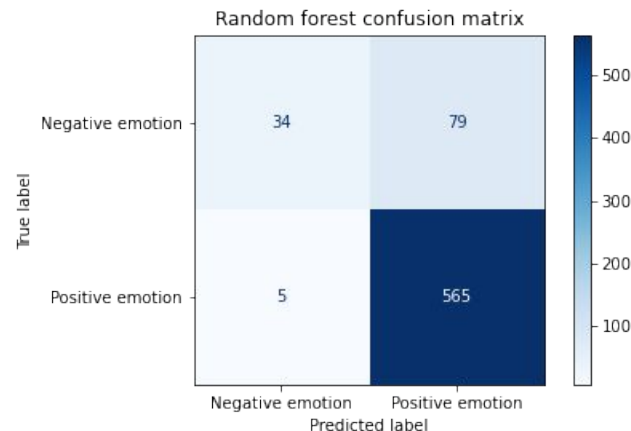


Positive emotion



Analysis and Results

- Best model performed well with ~87% accuracy
- Baseline model to expand on later to create sentiment analysis model
 - Can add more Twitter data, customer surveys, comments, etc.



Next Steps

- Compare positive and negative tweets expressed between Apple and Google products
- Investigate tweets labeled “I can’t tell” in dataset
- Find more Twitter data to train model with
- Create model that can label/predict tweets directly from Twitter?

Thank you!

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