Sentiment Analysis With Logistic Regression

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Business Problem

Challenge: Lack of Real-time Insight into Public Sentiment on Social Media Platforms



- Customer Perception
 - Emerging Trends
 - Marketing Strategy



Solution: Real time tweet sentiment analysis



Data Source

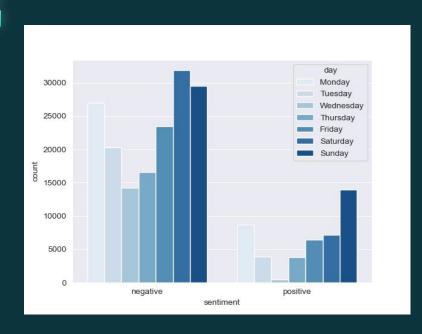
The dataset is from Kaggle

There are 1,600,000 tweets in the dataset.



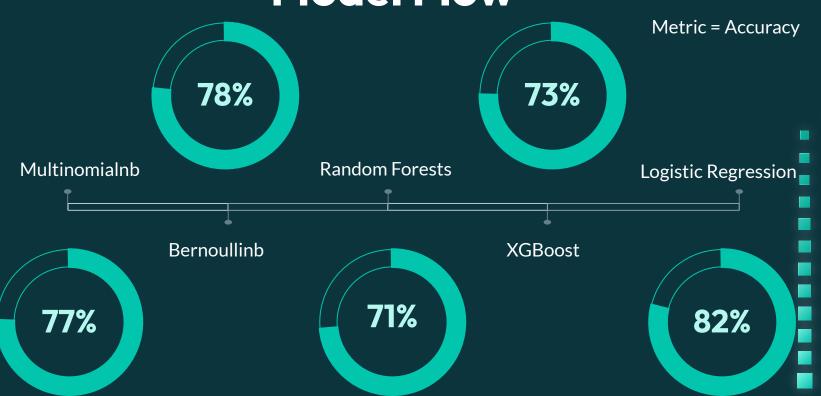
The data is from the year 2009 in the months April and May.

Tweet Trends

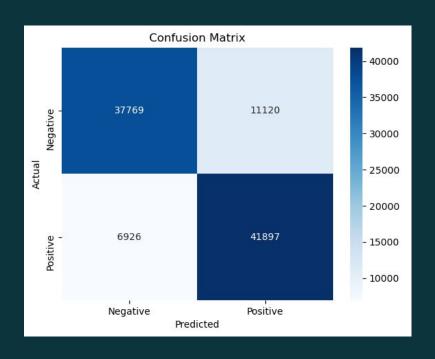


- Tweets are more negative in general.
- Negative tweets hit the roof on Saturday.
- Positive tweets are at the highest on Sundays
- On Wednesday people are DONE with positivity





Logistic Regression Model





 Best performing model with 82% accuracy.

Recommendations

Use this model to:

- Detect emerging trends
- Analyze public opinion towards a brand/product
 - Understand customer perception
 - Inform marketing strategies

Next Steps

Develop
Deployment
plan

Implement
APIs and
Integration

Finalize
Documentation

Thank You

ANY QUESTIONS?