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FLATIRON SCHOOL FINAL PROJECT

Methodology



Gather Data



Analyze Sentiment



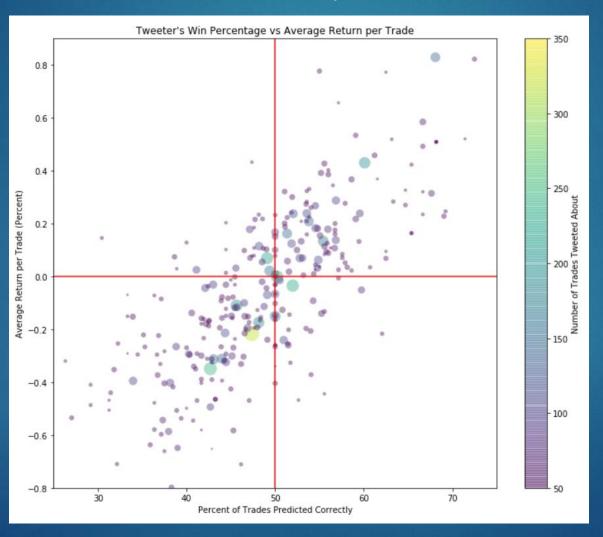
Make Predictions



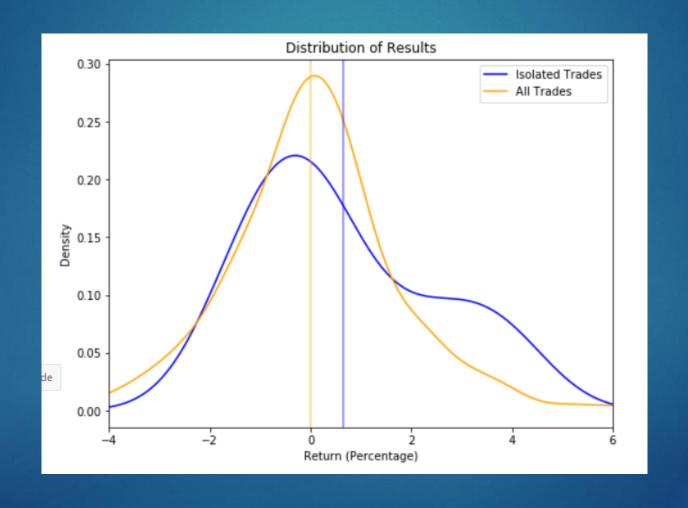
Findings: Abnormally high Tweet volume leads to improved trading results



Findings:
Some tweeters are better predictors than others



Findings:
Isolating accurate tweeters can give useful predictions



Conclusions:

- Natural Language Processing on stock market related tweets can provide useful insight into future stock movement
- In general, the VADER algorithm outperformed the TextBlob algorithm
- These techniques should not be used in real money trading because the data was mostly over three years old and did not contain examples from all market conditions

Future Work:

- Purchase a Twitter Developer license to be able to run the same process for more recent data
- Perform the same analysis on a wider array of stocks
- Employ other sentiment analysis algorithms such as the one created by Google