

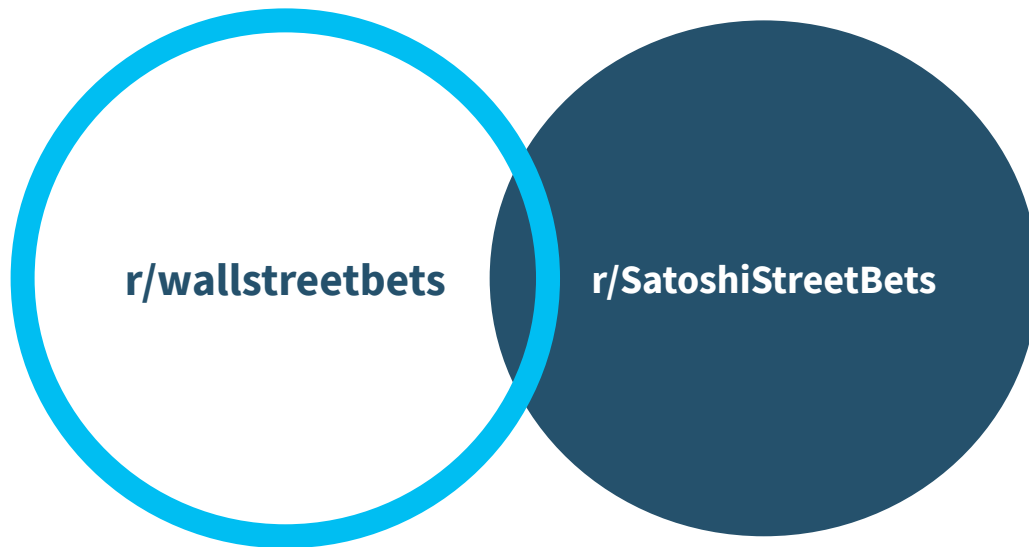
Measuring Risk Tolerance - Crypto or Stocks?

Seung Woo Choi



Disclaimer

An Introduction to Two Subreddits



Problem Statement

1. Build a classification model with accuracy of 80%+
2. Determine words unique to two subreddits to understand risk profile



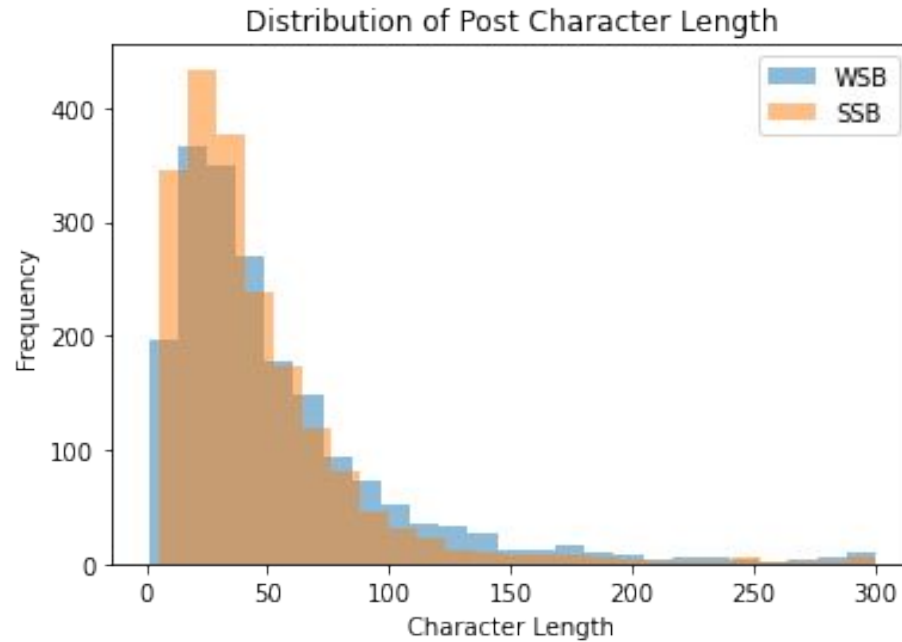
Data Source

Pushshift's web API

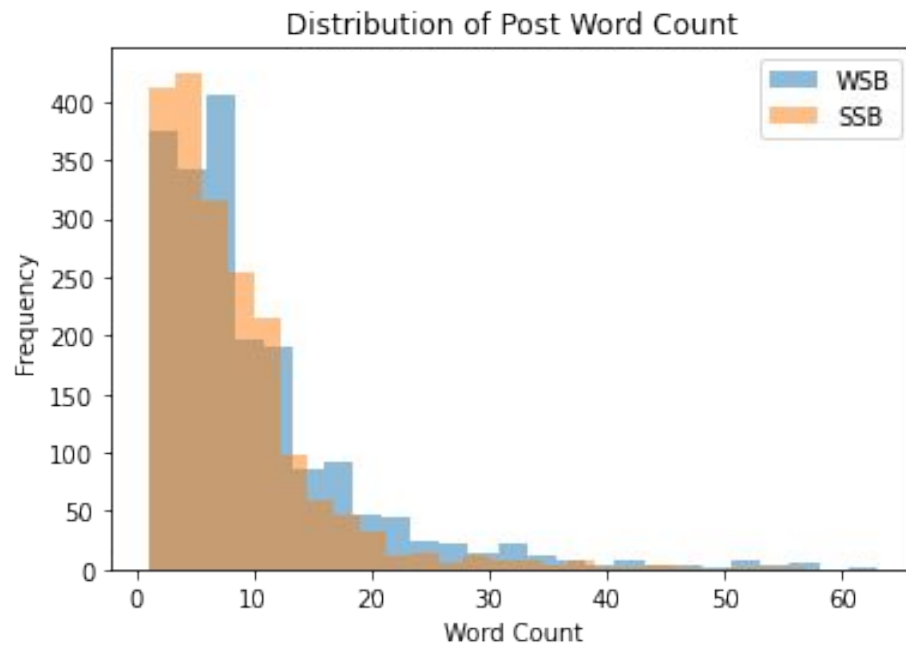
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9:06:40 PM**



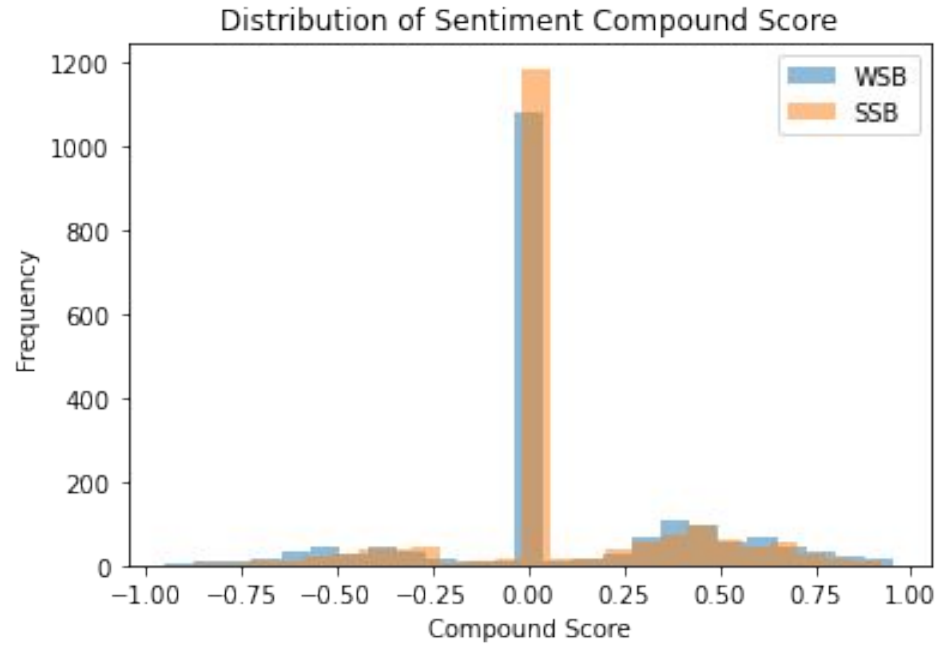
Exploratory Data Analysis



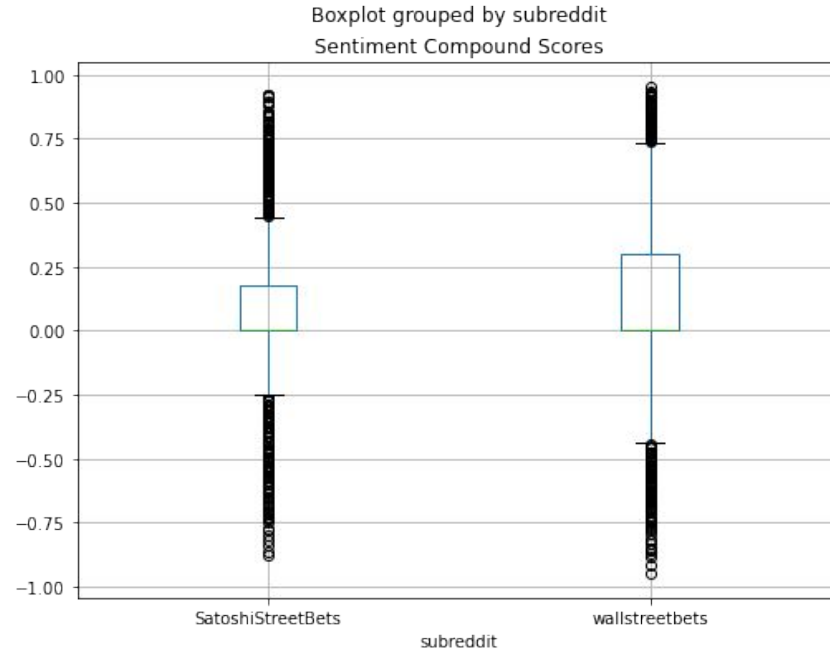
Character Length of Posts



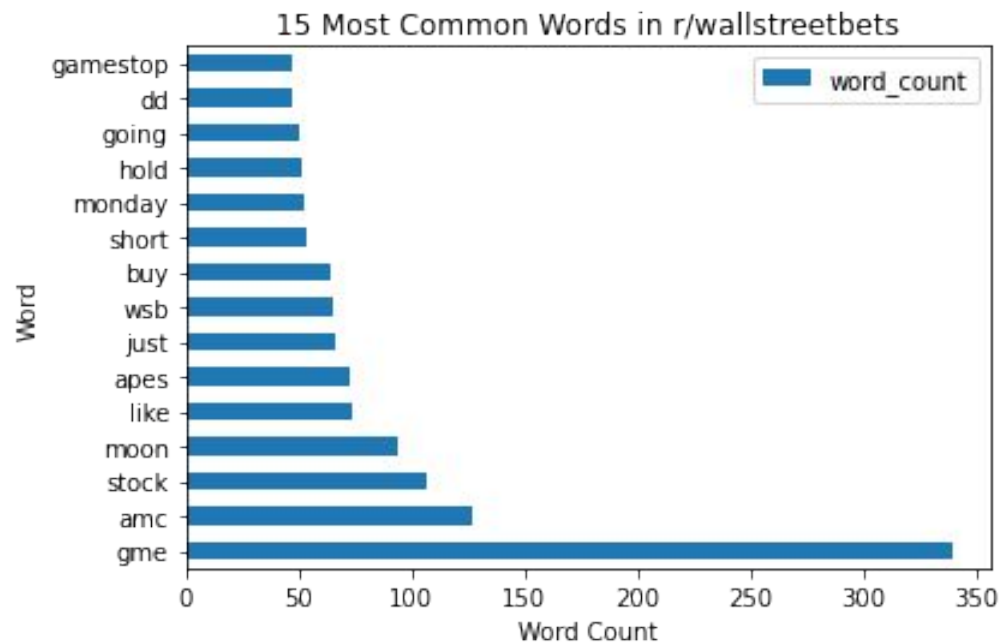
Word Count of Posts



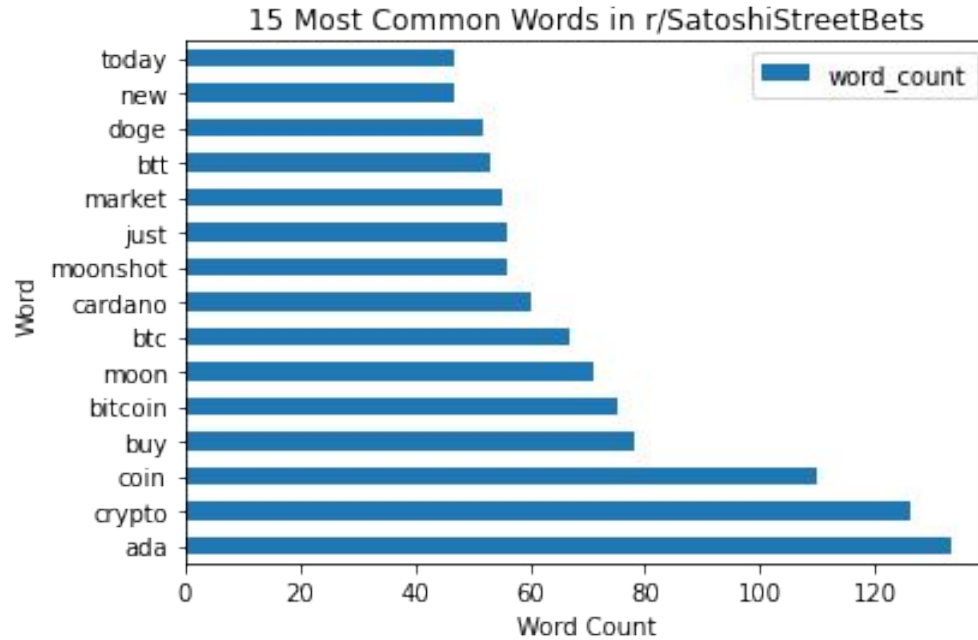
Distribution of Sentiment Compound Scores



Ranges and Outliers in Sentiment Compound Scores



15 Most Common Words in r/wallstreetbets

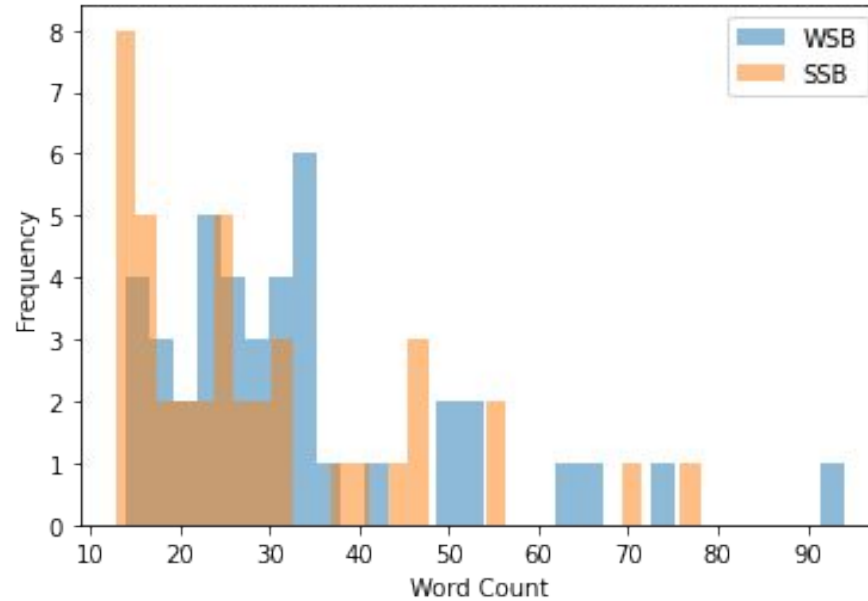


15 Most Common Words in r/SatoshiStreetBets

A word cloud of 41 common words shared between WSB and SSB. The words are arranged in a roughly circular pattern, with some words being larger than others. The words are: day, help, 10, long, right, let, amp, know, bought, 2021, dip, short, like, today, think, big, time, yolo, buy, market, monday, moon, going, just, new, got, trading, make, hold, buying, money, did, don, good, people, price, guys, holding, way, ve, news.

41 Most Common Words Shared between WSB and SSB

Distribution of Most Common Words Shared between WSB and SSB



Most Common Words Shared between WSB and SSB



Modeling



Conclusion

r/wallstreetbets

stocks

r/SatoshiStreetBets

cryptocurrencies

80.85%

accuracy on unseen data

Thank you!