Wall Street Bets' Effect on GameStop

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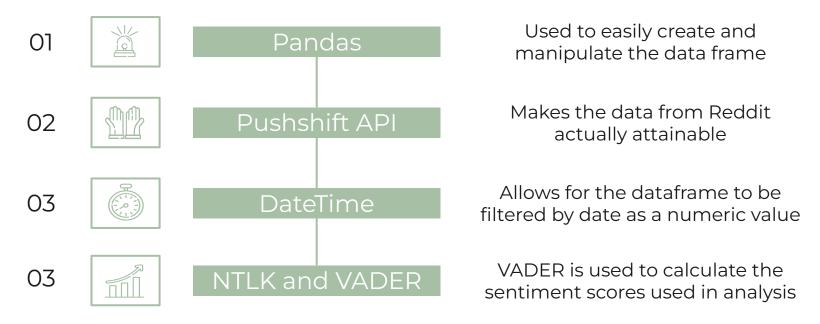
Background Information

- Wall Street Bets is a subreddit page on Reddit that primarily discusses stock and option trading
- GME is an abbreviation for the GameStop stock
 - GME was practically a dead stock, valued as low as 3 dollars, then suddenly spiked to 81 dollars within a month
- What inspired this project?
 - The economic phenomenon that occurred due to the social media influence on stocks like GME and AMC
 - To see if there was a way to predict the trajectory of stocks using reddit
 - To visualize just how influential the subreddit was to its astronomical rise in value

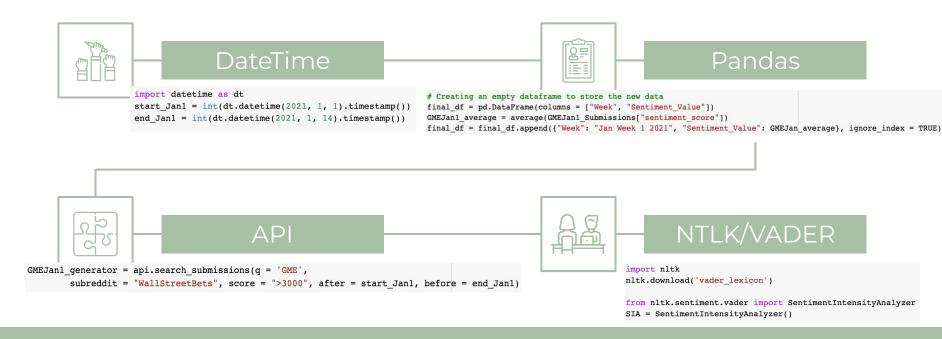
3 Major Steps



Packages Needed



Implementation of Packages



How the Packages Were Used



Pandas

Create an original df that just holds all posts

Create a new df with all averaged biweekly sentiment scores



☐ PushShift API

Obtain all of the posts from Reddit with multiple filters



DateTime

Makes it possible to filter the API through dates by making it a numerical value



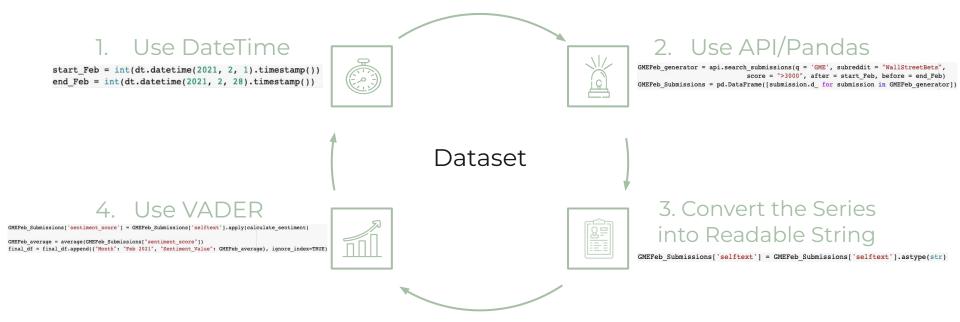
□ NLTK

Holds the VADER package

VADER

Obtains a sentiment value for each individual post and later averages the total

Obtaining the Data



Graphing the Data



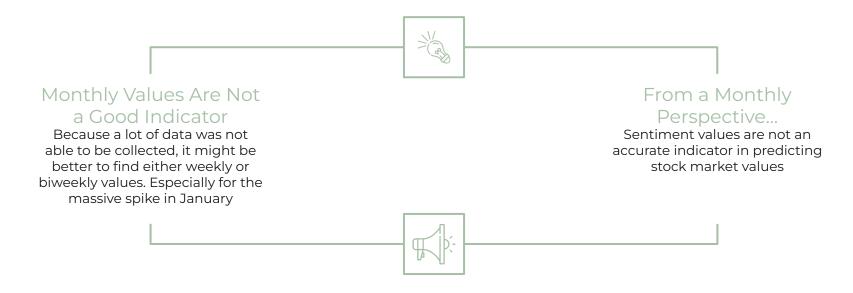


To standardize the two bars, percent difference was taken between the said month and the starting value (December 2020) for the stock value



The blue line represents the sentiment value while the green line depicts the actual stock value

Conclusions



Questions?