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Reddit.com/r/wallstreetbets Stock Ticker Sentiment Analysis Comparison to Next Day Stock Prices

OVERVIEW

Scrape Reddit.com/r/wallstreetbets comments, and assign comments to stock tickers based on the comment string. From there, provide sentiment analysis on all comments for each specific ticker, and aggregate daily scores with a comparison to actual price fluctuations in each respective ticker.

GOALS

1. Fully automated and recurring on a 1 hour cycle
2. (hopefully) to find patterns based off of stock sentiment and fluctuation in stock price

MILESTONES

Scrape Reddit Data and find comments with TSLA related keywords.

Automate this on an hourly cycle (Docker container r + AWS)

Compare to Yahoo Finance Data for respective tickers (API)

Locate patterns