

# Team Spicy Chicken Stock

presents



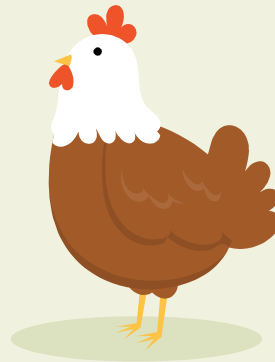
## Stock Sentiment Analysis

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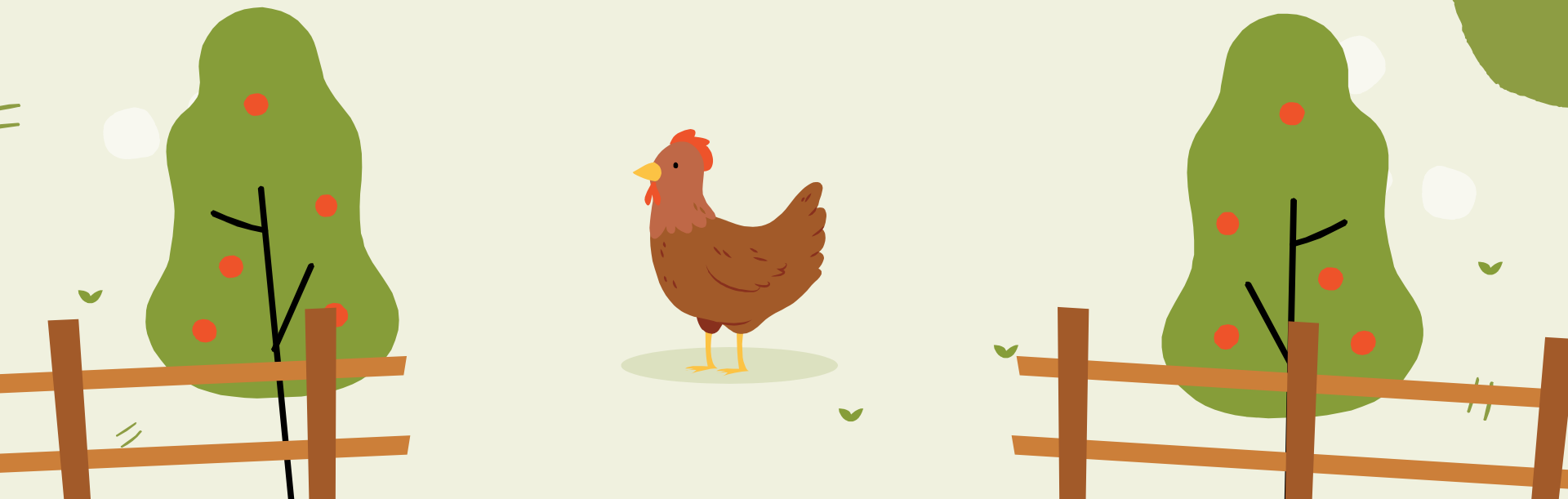
# Overview

- Website for analyzing social media sentiment and stock price
- Users can track how stock price movement is correlated with social media sentiment
- Data scraped from Reddit
  - r/wallstreetbets
  - r/stocks
- Stock tickers analyzed:
  - SPY
  - GME
  - TESLA
  - AAPL



## How it works

- r/wallstreetbets, one of the most popular stock subreddits, has 10,000 new comments per day according to subreddit stats.
- We are analyzing stock sentiment over a period of time



# Tech Stack



Python



Javascript



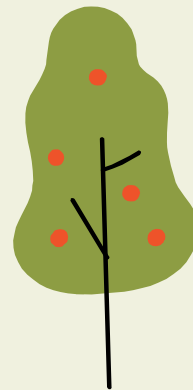
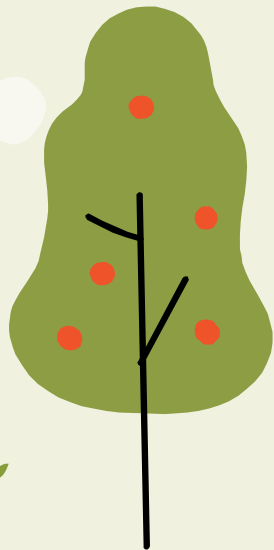
HTML/CSS



Libraries

D3, PRAW, NLTK

DEMO



# Future Extensions

- Look into correlation between various cryptocurrencies (Bitcoin, Ethereum, Dogecoin, etc) and social media sentiment
- Analyze sentiment of social media websites such as Twitter and Facebook
  - e.g. How do Elon Musk's tweets influence stock movement (Dogecoin to the moon!)
- Set up a server so users can search for more stock tickers

