

Steven Taruc, Kenny Lau, Cal Schwefler
CSC 369
Team Diamond Hands

Pitch:

Use the Twitter and/or Reddit API to scrape comments on these services for discussion on stocks (specifically volatile stocks 'meme' stocks such as GME and AMC).

Specific Aims:

- What do people think of these stocks?
 - Basic sentiment analysis (buy/sell)
- How has sentiment changed over time?
 - Examine discussion over time
- How does this track to feasible results in the stock market?
 - Cross compare to the stock market prices
- Volume of interest in stocks?
 - Quantity of posts

Timeline:

| Task Name | W5 | W6 | W7 | W8 | W9 | W10 | Deadline |
|---|----|----|----|----|----|-----|----------|
| Initial Research | | | | | | | 2/11 |
| Twitter/Reddit/ Finance API Investigation | | | | | | | 2/11 |
| System Design | | | | | | | 2/11 |
| Continuous Research | | | | | | | 2/18 |
| Data preprocessing | | | | | | | 2/18 |
| Product development | | | | | | | 3/4 |
| Product refinement | | | | | | | 3/11 |
| User Testing | | | | | | | 3/11 |
| Documentation | | | | | | | 3/11 |

Team Outline/Responsibilities:

Steven - Initial research - Twitter API investigation, System Design, Data Preprocessing, Machine Learning Modeling, Product Development, Documentation

Kenny - Initial research, Reddit API Investigation, System Design, Product refinement, Testing, and Documentation

Cal - initial research - Twitter/Finance API investigation, System Design, Product Development, Documentation

Final Deliverable:

The final deliverable would be a report/presentation on our findings and how we can learn from these stocks for the future. We will also be delivering the code we wrote to scrape data from the different sites to generate our models and graphs.