

1. Abstract

- Collected Interviews about stock prediction interest and researched other application. Also created a simple SMA Model to predict short term stock prices.

2. Features Implemented

- Original U.I Home Button
- SMA Model

3. Code Highlights

- We made a simple predictive model that is an ARIMA time-series model for predicting the stock price of a given company at a given time.

4. Challenges and issues

- Stationality was a big work around as we did not have the time to implement seasonal stationarity.

5. Solutions and Fixes

- Implementing a second model that accounts for seasonal stationarity, would require more code and cases.

6. Future Work and suggestions

- Cleaner code for implementation, hyper parameter tuning, more pre-processing techniques could be used. There are a bunch of small improvements that could be made all over to the model to be more accurate.