

CSE523: Machine Learning
Faculty Mentors: Prof. Mehul Raval,
Weekly Project Report

Stock Price Predictor

Team MUSK

Student's Details

Student's Name	Enrollment Number
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- **Tasks Performed In The Week**

1. Studied some statistical techniques like moving average, RMSE, MAPE, MBE
2. Read about some factors affecting the stock prices
3. Studied some existing projects on Stock price prediction

$$RMSE = \sqrt{\frac{\sum_{i=1}^n (O_i - F_i)^2}{n}} \quad MAPE = \frac{1}{n} \sum_{i=1}^n \frac{(O_i - F_i)}{O_i} * 100$$

$$MBE = \frac{1}{n} \sum_{i=1}^n (O_i - F_i)$$

- **Outcomes:**

1. Got some ideas on which techniques/algorithms should be used or not
2. Had knowledge about the terms to be used such as market capital, total asset, total debt, net sales, net profit, etc.
3. Learned which values of RMSE, MAPE, etc are good for the model.

- **Tasks to be performed in next week:**

1. Apply the learned techniques to our dataset.