

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

Stock Price Predictor

Team MUSK

Student's Details

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- **Tasks Performed In The Week:**

1. Applied linear Regression on stock data of Vodafone-Idea company
2. Performed RMSE test and analyzed predicted data.

- **Outcomes:**

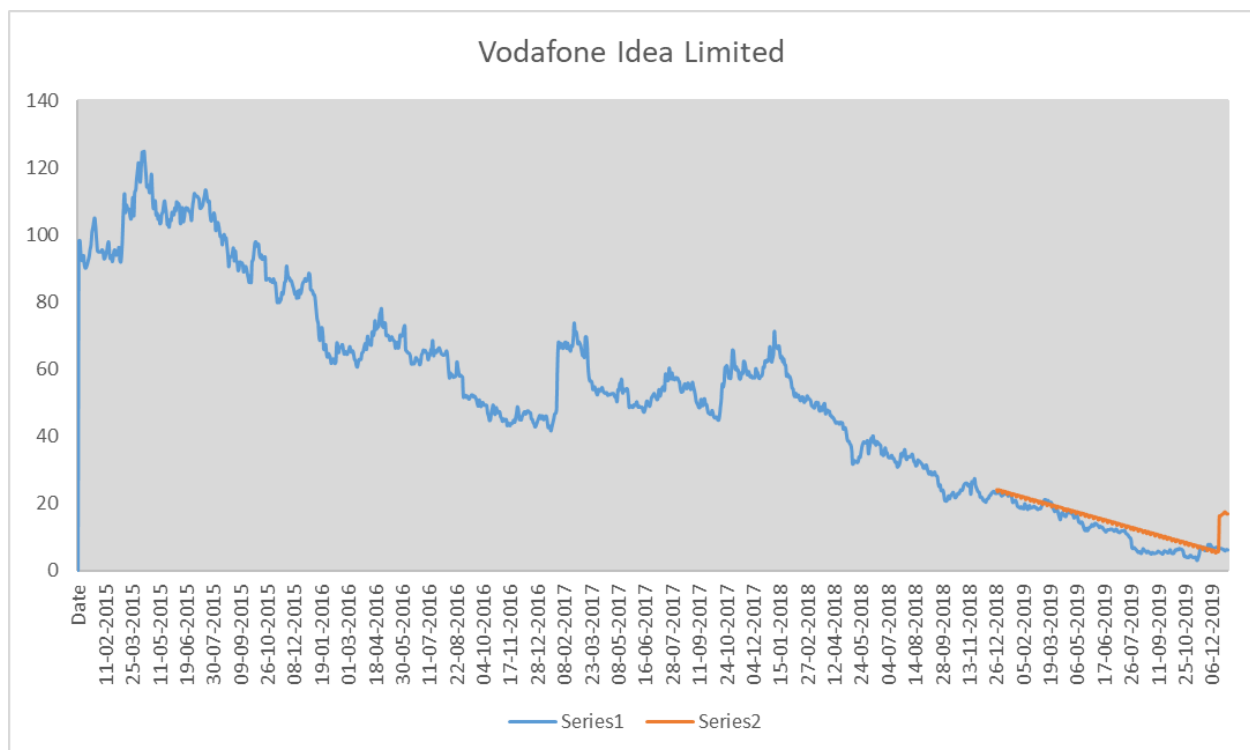
Linear Regression Model

Closing Price = $101.45 - 0.07754 * \text{labels} - 0.157 * \text{Tue} - 0.01514 * \text{Thu} - 0.684 * \text{Fri}$

RMSE Value: 3.77067

The RMSE value of this model is very less and hence this model fits to the data. However, this data follows the constant decreasing trend. Therefore, we need to examine other company's dataset for better results so that our model works on every trend of data.

Graph:



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

- To test linear regression models on a dataset of other companies which have upward and downward trends.