

Stock Market Value Prediction

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Team : 35 (Zetabyte)

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Goals

1. Developing a system using ML that can predict the variations in stock market.
2. To generalize the stock market prediction model for different countries.

Problem Definition

1. Predicting how the stock market performs is one of the most difficult things to do.
2. The reason for this being the volatility of the entire system and the factors affecting the system.
3. Another difficult problem to tackle is the varying number of features affecting each of the stock market capital and revenue

Results

1. To predict the changes in the valuation of various shares and capitals using Machine Learning and Deep Learning Techniques.
2. (Tentative) To make accurate predictions regarding quarterly revenue results and strategic announcements of an organization
3. Compare the results of different ML models over different stock markets.

Task Distribution

1. Person A: Collect data from different stock markets and analysis the variation in volatility
2. Person B: Study different Models that can be applied over the collected dataset.
3. Person C: Apply above analysed models on corresponding stock market dataset
4. Person D: Compare the results of different models over different stock markets and result visualization

Project Milestones (Tentative)

1. 25th March: Browse www and collect varying datasets.
2. 2nd April: Find out different models that have been previously used and can be further improved and they can be useful for the same.
3. 7th April: Apply the best model built over the different stock markets and find out further scope of improvements.
4. 14th April: Fine tune the model and various hyper-parameters for better performance and result visualization within a few days.