

1ST PAPER TITLE STOCK MARKET PREDICTION

Writers' Name: Sharanya Banerjee, Neha Dabeeru, R. Lavanya

Paper Source: Stock Market Prediction from reasearch gate

SUMMARY

This paper aimed at processing large volumes of data and running different regression algorithms on the dataset. In this paper they had applied 10 different techniques to predict the future value of a stock . The purpose of this paper is to analyse the shortcomings of the current system and building a time-series prediction model that would mitigate most of them, by implementing more efficient algorithms.

2ND PAPER TITLE

A MACHINE LEARNING MODEL FOR STOCK MARKET PREDICTION

Writers' Name: Osman Hegazy , Omar S. Soliman , Mustafa
Abdul Salam3

Paper Source : Machine Learning Model for Stock Market Prediction

SUMMARY

In this paper they proposed a model called PSO (Particle Swarm Optimization) and least square support vector machine. PSO is used to find best LS SVM. PSO moves from a set of points to another set of points in a single iteration with likely improvement using a combination of deterministic and probabilistic rules. Proposed LS-SVM-PSO model compared with LS-SVM and ANN-BP algorithms at different data set with different sectors of the market. LS-SVM-PSO algorithm is most close to the actual result.

3RD PAPER TITLE

STOCK MARKET PREDICTION USING MACHINE LEARNING

Writers' Name: Ishita Parmar , Navanshu Agarwal, Sheirsh Saxena, Ridam Arora, Lokesh Chauhan , Shikhin Gupta, Himanshu Dhiman.

Paper Link: [stock market using machine learning](#)

SUMMARY

In this paper , they have worked with two models. One is regression model and another is Long short term memory(LSTM) model. LSTM is advanced version of RNN. This model prediction depends on large amounts of data and generally dependent on the long term history of the market. Here , regression model's result is overfitted but LSTM's result is not so good. This paper was just an attempt to predict stock price. But this work can be extended further to get the best accuracy rate.

4TH PAPER TITLE

STOCK MARKET FORECASTING USING MACHINE LEARNING ALGORITHMS

Writers' Name:Shunrong Shen, Haomiao Jiang, Tongda Zhang

Paper Link:[stock market forecasting using ml algorithm](#)

SUMMARY

In this paper they have used two benchmark model, and one is their proposed(SVM LEARNER) model.Where they focused on profit.

1st benchmark:They use all the money to buy stocks on the first day and sell the stocks at the end. **2nd benchmark:**They assume that closing stock index of tomorrow is higher than today if today's index is higher than that of yesterday. **SVM Learner:**They buy stock when prediction is positive and cash all stocks they have when prediction is negative. They have classified their model in three classes: negative,neutral and positive. Where the proposed model shows the best profit .