

Technical Report Writing

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Topic: Stock Market Price Prediction using Machine Learning

Abstract:

Support Vector Machine (SVM) is a machine learning technology that has been used to forecast stock values in recent studies. This study calculates price volatility and momentum for individual stocks and the entire technology sector using daily closing prices for 34 technology equities. These are inputs to the SVM model as parameters. The algorithm tries to predict whether a stock price will be greater or lower in the future than it is on a current day. In the short term, we find limited forecasting capacity, but in the long run, we discover definite predictive power.