Stock Market Prediction Using MachineLearning

Himanshu Kumar, Aman Kumar, Deepak Kumar
Department of Computer Science Engineering
Dr. A. P. J. Abdul Kalam Technical University, Lucknow, UP, India

Abstract: *In Stock Market Prediction, the aim is to predict the long run worth of the monetary stocks of a company. The recent trend available market prediction technologies is that the use of machine learning that makes predictions supported the values of current stock exchange indices by coaching ontheir previous values. Machine learning itself employs totally different models to form prediction easier and authentic. The paper focuses on the employment of time Series and LSTM based Machine learning to predict stock values. Factors thought-about are open, close, low, high and volume.*

Keywords: Close, high, low, LSTM model, open, Time Series, Streamlit, Heroku and volume

REFERENCES

[1]. Dash, R., & Dash, P. K. (2016). A hybrid stock trading framework integratingtechnical analysis with machine learning techniques. The Journal of Finance and Data Science, 2(1), 42-57.

[2]. Kumar, L., Pandey, A., Shrivastava, S., & Darbari, M. (2011). A hybridmachine learning system for stock market forecasting. Journal of International Technology and Information Management, 20(1), 3.

[3]. Kim, K. J., & Lee, W. B. (2004). Stock market prediction using artificialneural networks with optimal feature transformation. Neural computing &applications, 13(3), 255-260.

[4]. Kim, M. J., Min, S. H., & Han, I. (2006). An evolutionary approach to thecombination of multiple classifiers to predict a stock price index. Expert Systems with Applications, 31(2), 241-247.

[5]. Liao, Z., & Wang, J. (2010). Forecasting model of global stock index by stochastic time effectiveneural network. Expert Systems with Applications, 37(1), 834-841.