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Stock Price Movement Prediction Using Machine Learning

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Abstract: Machine learning based stock price prediction is a way of foreseeing the upcoming value of stock traded on a stock exchange in order to profit from it. It is difficult to predict stock prices with great accuracy because there are many elements at play. This is where machine learning plays a crucial role. For the majority of researchers in this field, market forecasting provides excellent profit opportunities. The majority of researchers utilize either technical or fundamental analysis to forecast the market. Technical analysis concentrates on studying price trends to forecast future prices, whereas fundamental analysis relies on studying unstructured textual data from sources like financial news and earnings reports. With time, more and more useful market data has been made available online.

Keywords: Stock market, Long Short Term Memory (LSTM), Machine Learning

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