

MARKET PRICE PREDICTION WITH MACHINE LEARNING AND CANDLESTICK TOKENIZED ALGORITHM

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Abstract

How important technical analysis is to those who trade in the market. Technical analysis can be introduced as a method used when trading in the market. A large number of technical analysis methods are used by traders in market trading. Depending on the situation, a trader can predict the market using the most technical analysis method in terms of accuracy. There, a very fast method is needed to find the relevant technical analysis method. This is because there are a large number of technical analysis methods. The behaviour of a market is determined by the previous data. It can take a long time for a trader to match this data. There he may not be able to enter a trade within the relevant period. Failure to use the correct technical analysis method for the relevant trading point will result in financial loss. Therefore, traders need a system that is very fast and high in accuracy.

The main objective of this research is to identify and develop the need for a system that performs accuracy, speed and scalability. This requires the help of machine learning and the help of algorithms. The following chapters will clearly discuss the existing systems according to the project, and how it has been done under this project. It will also discuss the latest techniques and technologies and how they are used in this research. Then it discusses clearly how to choose the best implementation and how to get the solution. It uses Deep Learning and Neural Network techniques to predict the market. Similarly, machine learning and algorithms collect data related to forecasting. Store them in order to speed up forecasting. Project testing has been done with an accurate testing plan and has been evaluated by project evaluation domain experts and technical experts. Finally, the prototype was designed and implemented with good performance and accuracy.

Keywords: Machine Learning, Deep Learning, Signal Processing, Neural Network