Abstract:

Gaining profits in the financial market is the best outcome of an investment, which is the main reason researchers dwell in predicting the stock market. This complex market is influenced by many external factors and events. To best predict the future market, all the possible influencing factors needed to be considered. On the other hand, Since the rise of AI, several prediction models have been developed and tested in various stock markets to ensure their accuracy and robustness. The prediction of the future market is changing, and Deep learning models are the new frontiers in this field. Since the pace of growth is too quick to keep up with it, we have created this study to provide a current overview on recent trends and developments on deep learning models for stock market prediction, since 2020 are investigated. We've covered the prediction models and datatype that is used and neural network architectures, and assessment metrics that are generally used. The purpose of this study is to keep interested scholars up to date on the newest developments. We also outline potential future opportunities based on the overview.