Predicting Quarterly Stock Prices with Quarterly Financial Data

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**Abstract**

One unsolvable yet frequently asked question given to data scientists is being able to predict stock prices for the future, especially for the next day. This project does not seek to answer this question, utilizing the quarterly financial data reported by companies to the U.S Securities Exchange Commission(SEC) to predict whether \_\_\_\_\_\_\_\_\_\_. We utilized \_\_\_\_\_\_\_\_\_\_\_\_ models and fine-tuned hyper-parameters

**Business Understanding**

Stocks prices are one of the most important indicator for the performance of a company. The ability to predict future stock prices is highly desired, but due to the highly stochastic nature of stocks and their fluctuation with global events, it is impossible to be able to accurate predict how a particular company’s stock will perform in the future. While the original goal is not possible, investors still want to know how well their company and their competitors are performing in the company. One major source of data that all companies report every quarter is the SEC quarterly financial report, where on the last day of each quarter

**Data Understanding**