**S&P 500 Index Price Prediction**

This project aims to predict tomorrow's S&P 500 index price using historical data. It also addresses overfitting issues in stock price models.

**Overview**

The project involves the following steps:

1 Downloading S&P 500 prices using yfinance.

2 Data cleaning and preparation with pandas.

3 Training a random forest model and backtesting predictions.

4 Enhancing the model by adding predictors.

5 Next steps for further improvement.

**Dependencies**

• yfinance

• pandas

• scikit-learn