Analysis of Different Machine Learning Models for Stock Prediction

Introduction

For this project, we implemented two models for predicting future stock price values for a certain company. Our research is based on stock prices of different companies. We obtained stock prices from CAC40 Stocks Dataset[https://www.kaggle.com/datasets/bryanb/cac40-stocks-dataset] to give data for each model.

Dependencies:

1. Edit the PATH variable in Stock\_Prediciton.py to where the dataset is stored.

2. Python 3, Tensorflow, Keras, Numpy, datetime

Install the required packages, run pip install streamlit==1.9.0; pip install statsmodels; pip install plotly==5.7.0

Issues for MAC:

The TensorFlow support is not there for M1 and M1 pro yet and thats why we noticed we were not able to run the code in Mac.

