

Overview of project and purpose

This project developed and tested a set of productized workflows. Its main objective was to design tools ready to use by automating repeatable processes, documenting assumptions, and facilitating the adoption by stakeholders.

Key findings and recommendations

It demonstrates how the model can use an API to automate the process, and how to make a professional handoff to stakeholders. The project is developed so that it be used, understood, and extended by others.

Assumptions and limitations

The model may overfit, and input data is assumed to follow the same distribution as training data. The API is assumed to run smoothly and the data quality is assumed to be high.

Risks and potential issues

A lack of ongoing monitoring may result in model failure, missing values, outliers, or unseen categories may lead to unstable outputs.

Instructions for using deliverables

The model can be used to forecast the stock price of the next day. It can be used in combination with other indicators or models.

Suggested next steps

There can be more checks on whether the data is stationary and the quality of data. There should also be more sensitivity analysis to test how the model performs given a change in input.