

ChatGPT/Deepseek Prompts

i now want to build an interactive streamlit web application with the following components:

A home page showing an overview of the system we built and its core functionalities (we are extracting airline data from simfin)

Information about the development team (which i will input)

- The system's purpose and objectives clearly for the end-user

I also want a: - Go live page: Implement a stock ticker selector to allow users to choose from available companies.

- Display real-time and historical stock market data using the Python wrapper for SimFin

Apply the ETL transformations and predictive model to data extracted from SimFin -

Show model-generated trading signals (if the price will rise or fall, or suggestions about buying or selling if you have a trading strategy).

- an interactive backtesting simulator allowing users to test historical trade scenarios based on model predictions.

For example, with a given trading strategy, what would happen if I had started investing in AAL at X date. How much money would I have now?

Suppose you are trying to solve this assignment. The scripts are pulling information from the API. The 'layout' notebook is creating the streamlit website. I want you to solve how to connect all of the scripts and notebooks into being an interactive project, where the 'layout' codes are ran and all the information is being pulled

I want you to create all of the contents here. Every single line of code. For the ones I sent, add any information to the codes and send me the updated code

For the 'layout' and 'etl_raw' adapt the code. Don't remove any information that's necessary for the project that I have added

give me the etl steps for 1 company if ll companies are in 1 df

etl_raw.ipynb

i've got this fille and the idea is by: changing the ticker, i can change my data en replicate it to multiple companies. how should i proceed ? also by the end of this data set, my 3 dataframes should be merged for it to be 1 dataframe

what are good additional features for predicting trading sessions ?

Give me the 10 best features balance short-term price action, volatility, and fundamental strength for predicting future trading sessions.

Based on the subject of our project, I need you to do the following:

1.2 Build a Machine Learning Model to Predict the Next Market Movement This section focuses on developing a machine-learning model that, taking historical market data, makes predictions for the next trading session. The model's output will serve as the foundation for making informed trading decisions, forming an integral part of the automated trading system. Requirements • The model must make predictions daily • The model must make predictions one day ahead • The machine learning model must be built using Python Instructions and suggestions 1. Decide how to build the ML model. To build a machine learning model, there are several options, depending on the complexity you want. Here several options 1. Predicting if the price will rise or fall. This is the simplest scenario. This involves a classification-based model. Given historical data, the model will predict if the price will rise or fall in the next day 2. Predicting the next-day price. This option requires a more sophisticated approach due to the complexity of stock market dynamics. This involves using regression-based models. with this give me a script to build a machine learning model (very simple), for what is asked above, give me the full thing

More prompts were used for smaller elements of the project which our group had trouble retrieving, but these prompts were considered the most useful for the project.