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COS30018

Version 0.3

After going through task B1 to B4, I decided to take some time look back of what I have been learning and come up with a version that includes all the requirements from task B1 to B4.

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| --- | --- | --- |
| **Task** | **Descriptions** | **Check** |
| B.1 | Loads stock data using Yahoo Finance | Done |
|  | Saves and reads data from CSV file | Done |
|  | Handles missing values using drop or fill | Done |
| B.2 | Supports multiple features | Done |
|  | Splits data into training and testing sets | Done |
|  | Scales features using MinMaxScaler | Done |
| B.3 | Implements candlestick chart | Done |
|  | Implements boxplot visualization | Done |
| B.4 | Creates deep learning models dynamically | Done |
|  | Allows different hyperparameters | Done |
|  | Trains and evaluates models on stock price data | Done |
|  | Display the actual vs predicted prices | Done |

Also, I fix the code where the user can input the user symbol they want and also start and end date of the data and start and end date of the test data.

As an example, I will use META

Start date: 2012-01-01  
End date: 2022-01-01  
Test start: 2022-01-01  
Test end: 2025-01-01

A graph of candlesticks in different colors

AI-generated content may be incorrect.A graph with numbers and lines

AI-generated content may be incorrect.A graph showing the price of meta

AI-generated content may be incorrect.