Data Science Project 7PAM2002-0509-2023
Semester C 2023
Logbook (Activities and GitHub submissions)

Student Name and ID: Venkata Naga Sai Sasidhar Pasarlaputi (21063192)

Project Title: Forecast Stock Market Trends and Portfolio Optimization Using Neural Networks and Machine Learning Algorithms.

Supervisor: Mr. Ralf Napiwotzki

Student GitHub URL: https://github.com/Sasidhar0709/Project-Stock-market-Analysis

Number of versions of the code submitted on GitHub: 7

User documentation has been submitted on GitHub: YES

Student GitHub URL has been shared with markers: YES

Log of Activities
Must record attendance at lectures and supervisions.

Week	Date	Activity incl. lectures & supervisions	Reason if not attend lecture or supervision	Weekly project progress. How lecture/supervision was helpful to your project.
1	14/05/2024	Lecture 1		This lecture is about reading project handbook and planning for the project outline. We need to attend all the lectures and at least 6 supervision sessions. The project topic and dataset should be finalised after discussing with supervisor.
2	21/05/2024	Lecture 2		This lecture is about how to prepare the Project and data management plan and when and how it should be presented. Also discussed on how to start the literature review and regularly updating with supervisor.
3	03/06/2024	Lecture 3		This lecture part-1 is all about the Data ethics and regulations should be considered while choosing the dataset and doing the project and preparing for the Ethics quiz on 3rd July.
3	14/06/2024	Supervision 1		In this Session we have discussed about the dataset and project plan and how I should improve the literature review and how to ask a good research question. Got guidance on how the initial work should go on and the PDM plan.
6	17/06/2024	Lecture 4		This lecture part-2 is about the UH ethical policies and regulations and the ethics should

				be followed with regards to UK government. And discussed about how to prepare for ethics quiz on 3rd July.
5	02/07/2024	Supervision 2		I have presented the Project and Data Management plan and got good feedback from the supervisor and uploaded the PDM plan in the canvas.
8	03/07/2024	Data Ethics Quiz		I have attended the Data Ethics quiz on 3rd July.
9	10/07/2024	Supervision 3		I have attended the supervision session and updated the status of the work done and got the feedback
10	15/07/2024	Lecture 5		This lecture is all about how to prepare the FPR and how to be ready for the viva. It also provides the guidelines after completing the viva.
11	17/07/2024	Supervision 4		I have attended the supervision session and updated the work status and got some feedback.
12	24/07/2024	Supervision 5	Not attended – Not feeling well	I have uploaded the logbook and updated the status of work
13	31/07/2024	Supervision 5		Attended the supervision session and have discussed about the results and the schedule for the mock viva.
14	07/08/2024	Supervision 6		In this session, discussed about the report status and the got the guidance on how to prepare for mock viva.
15	14/08/2024	Supervision 7		I have attended the mock viva and explain about the status about the work done. Got some feedback and guidance for preparing for viva.
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Log of GitHub Submissions
Record the versions of code and user documentation submitted on GitHub

Date	Filename and version submitted to GitHub	Description of code and/or documentation submitted (what has been added since the previous version).
24/06/2024	FTSE100 stocks list.xlsx PDM plan	The stocks list document and Project plan updated
25/06/2024	Project_Final_21063192.Ipynb	The Data Downloading and extraction
10/07/2024	Project_final_21063192.Ipynb V2	The Data preprocessing is done.
10/07/2024	Final project report – 21063192.pdf V1	Prepared latex document for the front page and declaration.
10/07/2024	Project Logbook- 21063192.pdf V1	The updated Logbook with new lectures
24/07/2024	Project_final_21063192.Ipynb V3	The code has been updated with new changes for the data preprocessing and model building
24/07/2024	Project Logbook- 21063192.pdf V2	Logbook got updated with new lectures and supervision sessions
31/07/2024	Project_final_21063192.Ipynb V4	The code has been updated with 3 models with training and prediction.
31/07/2024	Project Logbook- 21063192.pdf V3	Updated the logbook with new github commits and lectures
28/08/2024	Project Logbook- 20163192.pdf V4	Updated the log book with the final changes.
28/08/2024	Project_final_21063192.Ipynb V5	Updated the Ipynb notebook with the final code.
28/08/2024	Project_final_21063192.Ipynb V6	Updated the notebook with minor changes
29/08/2024	Project_final_21063192.Ipynb V7	Final code with all comments got updated
29/08/2024	Project Logbook- 20163192.pdf V5	Updated the logbook latest updates