

**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:**

**User documentation has been submitted on GitHub:** YES / NO

**Student GitHub URL has been shared with markers:** YES / NO

**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 3 <sup>rd</sup> 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 3 <sup>rd</sup> 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	Lecture 5		I have attended the Data Ethics quiz on 3 <sup>rd</sup> July.
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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	The Data preprocessing is done.
10/07/2024	Final project report – 21063192.pdf	Prepared latex document for the front page and declaration.