

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

**Student Name and ID:** Harish Kumar Kodidela (21060336)

**Project Title:** Prediction of Precipitation using Machine Learning Approaches over Indian Regions.

**Supervisor:** Mr. Pushp Tiwari

**Student GitHub URL:** <https://github.com/harishkodidela/Data-Science-Project.git>

**Number of versions of the code submitted on GitHub:** 3

**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		Read the project handbook. Discussed to attend all the lectures and supervisions. Choose and send emails to supervisor about the project topic and dataset and get agreed with the supervisor. Save work in different places.
2	21/05/2024	Lecture 2		We talked about the project and data management plan and how it should be presented. We also decided to start the literature review and to review papers and doing timely updates to supervisor regarding work.
3	03/06/2024	Supervision 1		We talked about how to plan project and how to come up with a good question for study. We talked about the literature study, discussion about dataset changes and how to start initial work and PDM plan.
4	03/06/2024	Lecture 3		Discussed about Data Ethics importance in project and having quiz on the this on July 3 <sup>rd</sup> .
5	14/06/2024	Supervision 2		Presented the Project and Data Management Plan to supervisor and submission of PDM report on canvas before deadline, worked on data set.

6	17/06/2024	Lecture 4		Data Ethics continuation class discussion about UH ethics policies and regulations and UK government data ethics. Required reading which is essential for quiz coming on July 3 <sup>rd</sup> .
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10		Lecture 5		
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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).
16/06/2024	README.md (version - b9fb149)	Initial file commit for data science project repository.
20/06/2024	Imd_data_csv.ipynb (version - 756e1f7)	Code for fetching dataset from IMD library of python package
27/06/2024	bengaluru1972_2022.csv version - 234f712	Dataset for the project having data from imd website.
01/07/2024	Precipitation_Pred.ipynb version - b4a2b74	Code for project, done with initial part and working on pre processing section.