Assignment Title: Orientation & Setup

1. Reading Summary:

This week I learned how to set up a data science environment using Google Colab Notebook. I understood the difference between NumPy and Pandas, and learned that Pandas is used to handle and analyze tabular data easily. I also explored Kaggle datasets and understood how to download and use them for data analysis.

2. Task Performed:

- Installed and set up Google Colab for Python programming.
- Downloaded the Titanic dataset from Kaggle.
- Loaded the dataset using Pandas in Colab (pd.read_csv('titanic.csv')).
- Displayed the first 10 rows using df.head(10).
- Verified the dataset successfully loaded and showed correct output.

3. Output:

The output displayed the first 10 rows of the Titanic dataset with columns like: PassengerId, Survived, Pclass, Name, Sex, Age, SibSp, Parch, Ticket, Fare, Cabin, Embarked. The data loaded successfully without any error.

4. Learning Outcome:

- How to use Google Colab for data science work.
- How to read and display a dataset using Pandas.
- The basic structure of a dataset (rows, columns, missing data, etc.).
- How to upload and manage projects on GitHub.

5. GitHub Repository Link:

GitHub repository link here:
https://github.com/AlmasMalik66/DataScience-AI-Assignment