Assignment Title: Orientation & Setup

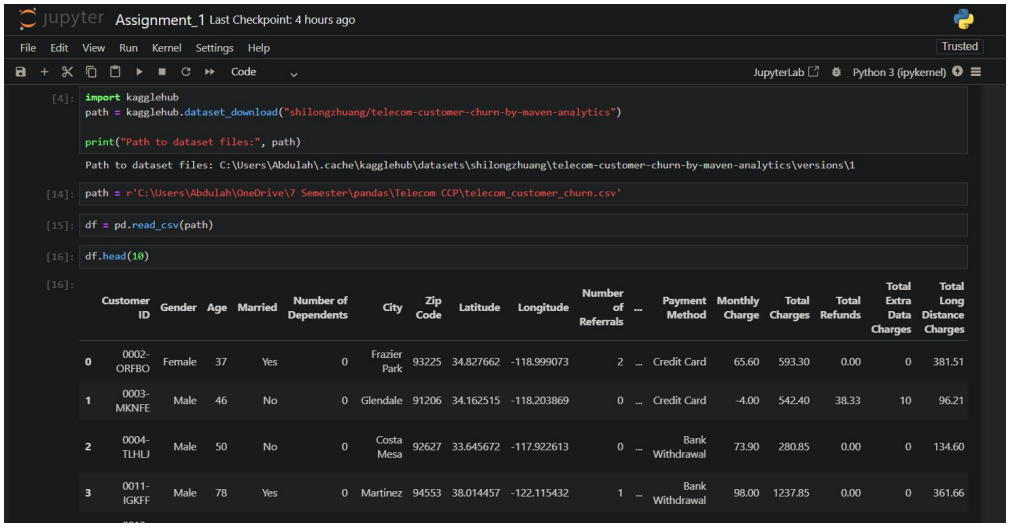
Steps Taken:

1. Set up **Jupyter Notebook** for project work.

2. Initialized a new repository named **"Data-Science-and-AI"** on my **GitHub account**
3. Selected a **real-world dataset** from Kaggle: Telecom Customer Churn by Maven Analytics.
4. Imported essential Python libraries: pandas, numpy, and matplotlib.
5. Loaded the dataset into a Jupyter Notebook using pandas.read_csv().
6. Displayed the **first 10 rows** of the dataset to understand the structure and data types.
7. Saved and uploaded the Jupyter Notebook file to the GitHub repository.

Output:

Successfully displayed the **first 10 rows** of the Customer Churn dataset



jupyter Assignment_1 Last Checkpoint: 4 hours ago

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Code

JupyterLab Python 3 (ipykernel)

```
[4]: import kagglehub
     path = kagglehub.dataset_download("shilongzhuang/telecom-customer-churn-by-maven-analytics")

     print("Path to dataset files:", path)
```

```
Path to dataset files: C:\Users\Abdulah\.cache\kagglehub\datasets\shilongzhuang\telecom-customer-churn-by-maven-analytics\versions\1
```

```
[14]: path = r'C:\Users\Abdulah\OneDrive\7 Semester\pandas\Telecom CCP\telecom_customer_churn.csv'

[15]: df = pd.read_csv(path)

[16]: df.head(10)
```

[16]:

	Customer ID	Gender	Age	Married	Number of Dependents	City	Zip Code	Latitude	Longitude	Number of Referrals	...	Payment Method	Monthly Charge	Total Charges	Total Refunds	Total Extra Data Charges	Total Long Distance Charges
0	0002-ORFBO	Female	37	Yes	0	Frazier Park	93225	34.827662	-118.999073	2	...	Credit Card	65.60	593.30	0.00	0	381.51
1	0003-MKNFE	Male	46	No	0	Glendale	91206	34.162515	-118.203869	0	...	Credit Card	-4.00	542.40	38.33	10	96.21
2	0004-TLHLJ	Male	50	No	0	Costa Mesa	92627	33.645672	-117.922613	0	...	Bank Withdrawal	73.90	280.85	0.00	0	134.60
3	0011-IGKFF	Male	78	Yes	0	Martinez	94553	38.014457	-122.115432	1	...	Bank Withdrawal	98.00	1237.85	0.00	0	361.66

GitHub Link:

Repository Link Data-Science and AI