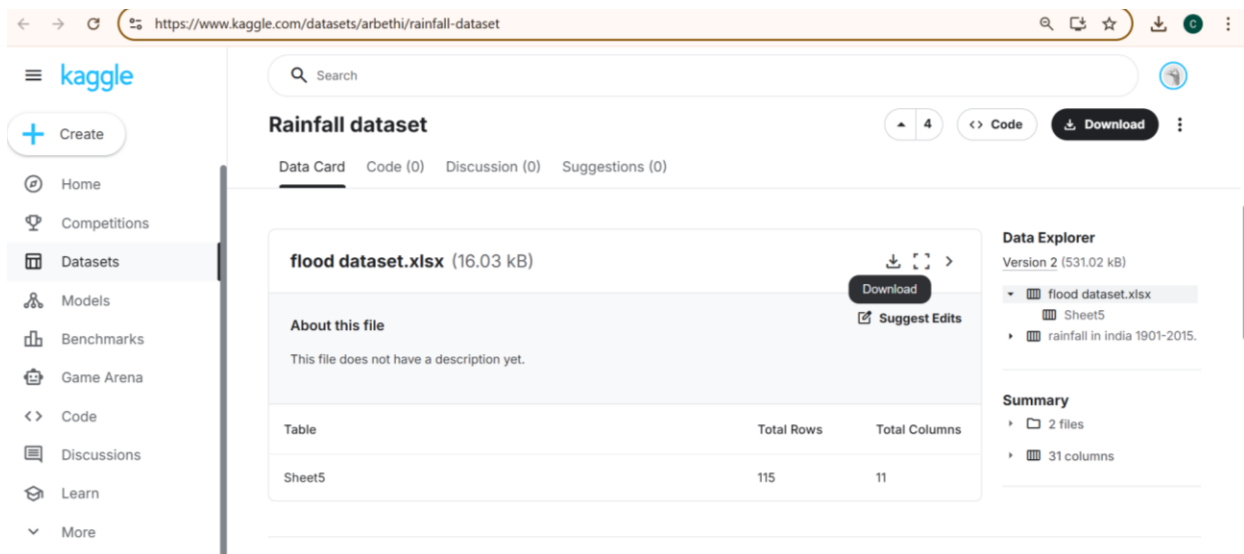


Rising Waters: A Machine Learning Approach to Flood Prediction

DATE	28-02-2026
TEAM ID	LTVIP2026TMIDS89043
PROJECT NAME	Rising Waters: A Machine Learning Approach to Flood Prediction
MAXIMUM MARKS	2 MARKS

6.2 DATA COLLECTION:

- Download the dataset from the below link
- <https://www.kaggle.com/datasets/arbethi/rainfall-dataset>
- Login to your Kaggle account.
- Open your dataset page (using your link or search it).
- Click the Download button (top right side).
- The file will download as a ZIP file.
- Go to your Downloads folder.
- Right-click the ZIP file → Click Extract All.
- Open the extracted folder — your dataset (CSV/Excel file) is ready



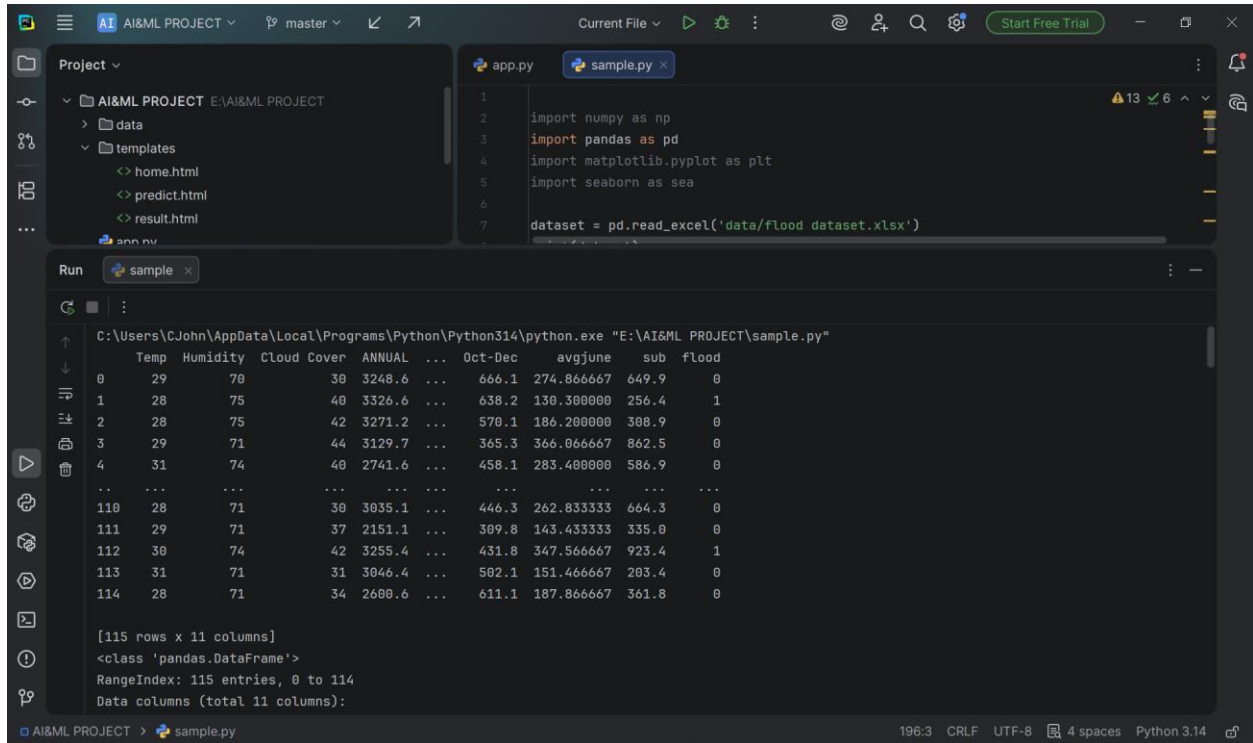
Create the folder called data and put the dataset 'flood dataset.xlsx' in it.

IMPORT THE DATASET:

Import the dataset to work by given code

Rising Waters: A Machine Learning Approach to Flood Prediction

```
#read the dataset
dataset=pd.read_excel('flood dataset.xlsx')
```



The screenshot shows a Jupyter Notebook interface with a dark theme. The top bar indicates the project is 'AI&ML PROJECT' and the current file is 'sample.py'. The left sidebar shows the project structure with folders 'data' and 'templates', and files 'home.html', 'predict.html', and 'result.html'. The main editor area displays the following Python code:

```
1
2 import numpy as np
3 import pandas as pd
4 import matplotlib.pyplot as plt
5 import seaborn as sea
6
7 dataset = pd.read_excel('data/flood dataset.xlsx')
```

The bottom panel shows the output of the code, which is a preview of the first 115 rows of the dataset. The output is a pandas DataFrame with 115 rows and 11 columns. The columns are: Temp, Humidity, Cloud, Cover, ANNUAL, ..., Oct-Dec, avgjune, sub, flood. The first few rows are:

	Temp	Humidity	Cloud	Cover	ANNUAL	...	Oct-Dec	avgjune	sub	flood
0	29	70		30	3248.6	...	666.1	274.866667	649.9	0
1	28	75		40	3326.6	...	638.2	130.300000	256.4	1
2	28	75		42	3271.2	...	570.1	186.200000	308.9	0
3	29	71		44	3129.7	...	365.3	366.066667	862.5	0
4	31	74		40	2741.6	...	458.1	283.400000	586.9	0

The output also includes the following text:

```
[115 rows x 11 columns]
<class 'pandas.DataFrame'>
RangeIndex: 115 entries, 0 to 114
Data columns (total 11 columns):
```

The bottom status bar shows the file encoding as UTF-8, 4 spaces, and Python 3.14.