Visualizing and Analyzing the data
Reading the Dataset

Team ID	PNT2022TMID13933
Project Name	Project -Smart Lender - Applicant Credibility Prediction for Loan Approval

Step 1: First, you'll need to be set up with Python, Pandas, and Jupyter notebooks.

Step 2: Next, you'll set up a notebook with the necessary imports

➔ Pandas is literally all you need for this operation, and it is often imported as pd.

Step 3: Next, you'll simply ask Pandas to read_csv, and then assign your spreadsheet a variable name.

variable_name = pd.read_csv('file path')

```
import pandas as pd
import numpy as np
```

```
df = pd.read_csv("C:\\Users\\Komal T\\Downloads\\loan_prediction.csv")
df
```

	Loan_ID	Gender	Married	Dependents	Education	Self_Employed	ApplicantIncome	CoapplicantIncome	LoanAmount	Loan_Amount_Term	Credit_History	Property_Area	Loan_Status
0	LP001002	Male	No	0	Graduate	No	5849	0.0	NaN	360.0	1.0	Urban	Y
1	LP001003	Male	Yes	1	Graduate	No	4583	1508.0	128.0	360.0	1.0	Rural	N
2	LP001005	Male	Yes	0	Graduate	Yes	3000	0.0	66.0	360.0	1.0	Urban	Y
3	LP001006	Male	Yes	0	Not Graduate	No	2583	2358.0	120.0	360.0	1.0	Urban	Y
4	LP001008	Male	No	0	Graduate	No	6000	0.0	141.0	360.0	1.0	Urban	Y
...	...	...	...	...	...	...	...	...	...	...	...	...	...
609	LP002978	Female	No	0	Graduate	No	2900	0.0	71.0	360.0	1.0	Rural	Y
610	LP002979	Male	Yes	3+	Graduate	No	4106	0.0	40.0	180.0	1.0	Rural	Y
611	LP002983	Male	Yes	1	Graduate	No	8072	240.0	253.0	360.0	1.0	Urban	Y
612	LP002984	Male	Yes	2	Graduate	No	7583	0.0	187.0	360.0	1.0	Urban	Y
613	LP002990	Female	No	0	Graduate	Yes	4583	0.0	133.0	360.0	0.0	Semiurban	N

614 rows × 13 columns