

# Visualizing And Analyzing The Data

## Reading The Dataset

Date	4 september 2022
Team Id	PNT2022TMID46202
Project Name	Smart Lender- Applicant Credibility Prediction for Loan Approval

- Our dataset format might be in .csv, excel files, .txt, .json, etc. We can read the dataset with the help of pandas.
- In pandas, we have a function called `read_csv()` to read the dataset. As a parameter, we have to give the directory of the CSV file.

```
In [2]: import pandas as pd
data = pd.read_csv(r"C:\Users\ELCOT\Downloads\Dataset\loan_prediction.csv")
data
```

Out[2]:

	Loan_ID	Gender	Married	Dependents	Education	Self_Employed	ApplicantIncome	CoapplicantIncome	LoanAmount	Loan_Amount_Term	Credit_Histo
0	LP001002	Male	No	0	Graduate	No	5849	0.0	NaN	360.0	1
1	LP001003	Male	Yes	1	Graduate	No	4583	1508.0	128.0	360.0	1
2	LP001005	Male	Yes	0	Graduate	Yes	3000	0.0	66.0	360.0	1
3	LP001006	Male	Yes	0	Not Graduate	No	2583	2358.0	120.0	360.0	1
4	LP001008	Male	No	0	Graduate	No	6000	0.0	141.0	360.0	1
5	LP001011	Male	Yes	2	Graduate	Yes	5417	4196.0	267.0	360.0	1
6	LP001013	Male	Yes	0	Not Graduate	No	2333	1516.0	95.0	360.0	1
7	LP001014	Male	Yes	3+	Graduate	No	3036	2504.0	158.0	360.0	0
8	LP001018	Male	Yes	2	Graduate	No	4006	1526.0	168.0	360.0	1
9	LP001020	Male	Yes	1	Graduate	No	12044	10056.0	340.0	360.0	1

```
In [ ]:
```