

Untitled1.ipynb - Colaboratory

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Untitled1.ipynb

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Files

{x} .. sample\_data loan\_prediction.csv

<>

Disk 84.49 GB available

+ Code + Text

```
data = pd.read_csv('loan_prediction.csv')
data
```

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

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Files

- sample\_data
- loan\_prediction.csv

Code

```
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 614 entries, 0 to 613
Data columns (total 13 columns):
#   Column              Non-Null Count  Dtype  
---  -
0   Loan_ID              614 non-null   object 
1   Gender               601 non-null   object 
2   Married              611 non-null   object 
3   Dependents           599 non-null   object 
4   Education            614 non-null   object 
5   Self_Employed        582 non-null   object 
6   ApplicantIncome      614 non-null   float64
7   CoapplicantIncome    614 non-null   float64
8   LoanAmount           592 non-null   float64
9   Loan_Amount_Term     600 non-null   float64
10  Credit_History       564 non-null   float64
11  Property_Area        614 non-null   object 
12  Loan_Status          614 non-null   object 
dtypes: float64(4), int64(1), object(8)
memory usage: 62.5+ KB
```

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Files

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Code

```
[15] 11 Property_Area    614 non-null   object
     12 Loan_Status    614 non-null   object
dtypes: float64(4), int64(1), object(8)
memory usage: 62.5+ KB
```

```
data.isnull().sum()
```

```
Loan_ID           0
Gender            13
Married           3
Dependents        15
Education         0
Self_Employed     32
ApplicantIncome   0
CoapplicantIncome 0
LoanAmount        22
Loan_Amount_Term  14
Credit_History   50
Property_Area     0
Loan_Status       0
dtype: int64
```

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 8   LoanAmount           592 non-null    float64  
 9   Loan_Amount_Term     600 non-null    float64  
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12   Loan_Status          614 non-null    object  
dtypes: float64(4), int64(1), object(8)
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```

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Files

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Code

```
[15]: data.describe()
```

```
SEARCH STACK OVERFLOW
```

	ApplicantIncome	CoapplicantIncome	LoanAmount	Loan_Amount_Term	Credit_History
count	614.000000	614.000000	614.000000	614.000000	614.000000
mean	5403.459283	1621.245798	145.465798	342.410423	0.855049
std	6109.041673	2926.248369	84.180967	64.428629	0.352339
min	150.000000	0.000000	9.000000	12.000000	0.000000
25%	2877.500000	0.000000	100.250000	360.000000	1.000000
50%	3812.500000	1188.500000	125.000000	360.000000	1.000000
75%	5795.000000	2297.250000	164.750000	360.000000	1.000000
max	81000.000000	41667.000000	700.000000	480.000000	1.000000

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