

Loan Status

Mini Project IV

Presented by- **Pooja**
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Problems

1. How risky is the borrower?
2. Given the borrower's risk, should we lend him/her?



Objective

The goal of this project is to automate the loan eligibility process to predict whether a loan would be approved or not.



Features

01.

Property_Area

Urban/Semi Urban/Rural

02.

ApplicantIncome

Applicant Income

03.

Education

Applicant Education
(Graduate/ No Graduate)

04.

Credit_History

credit history meets
guidelines

05.

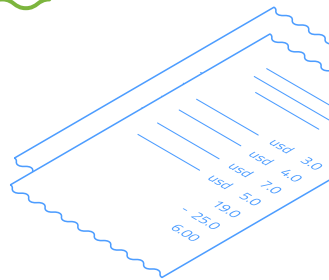
LoanAmount

Loan amount in thousands

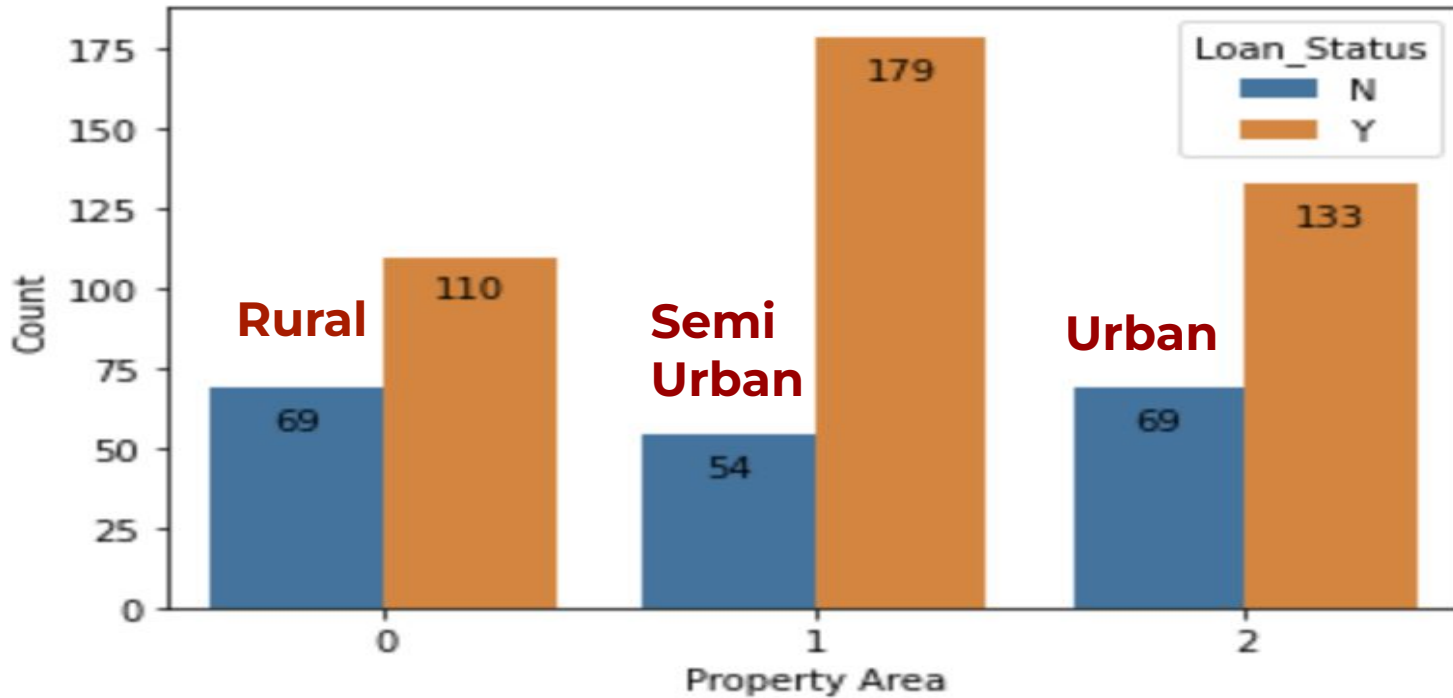
06.

CoapplicantIncome

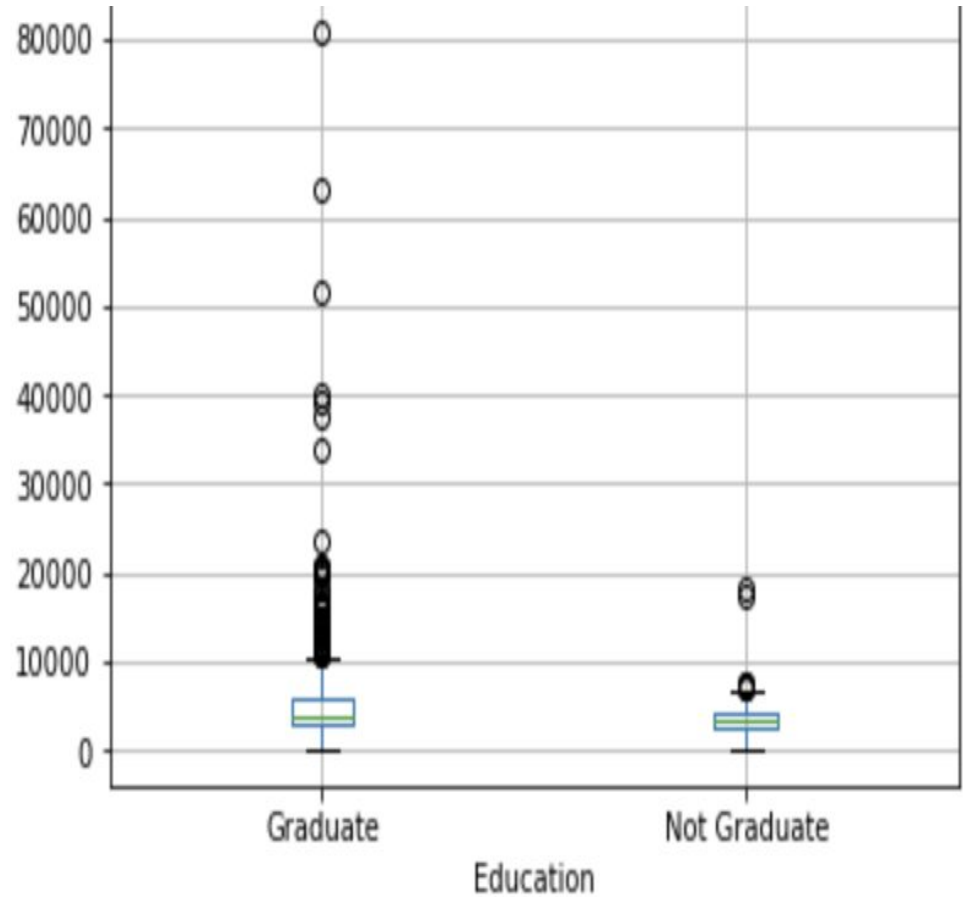
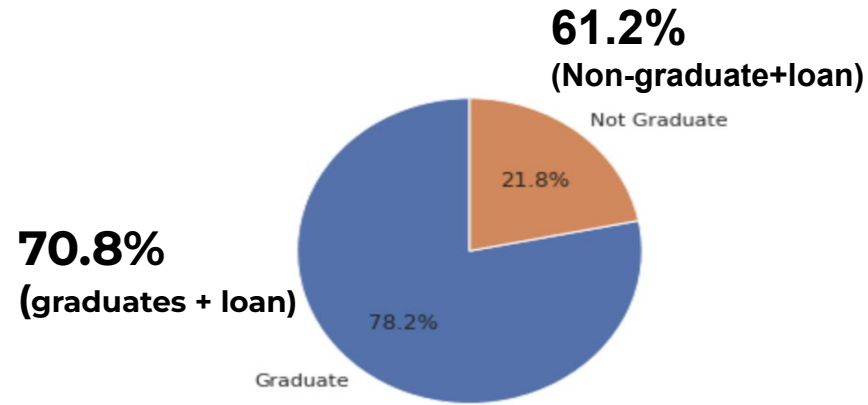
Coppticant Income



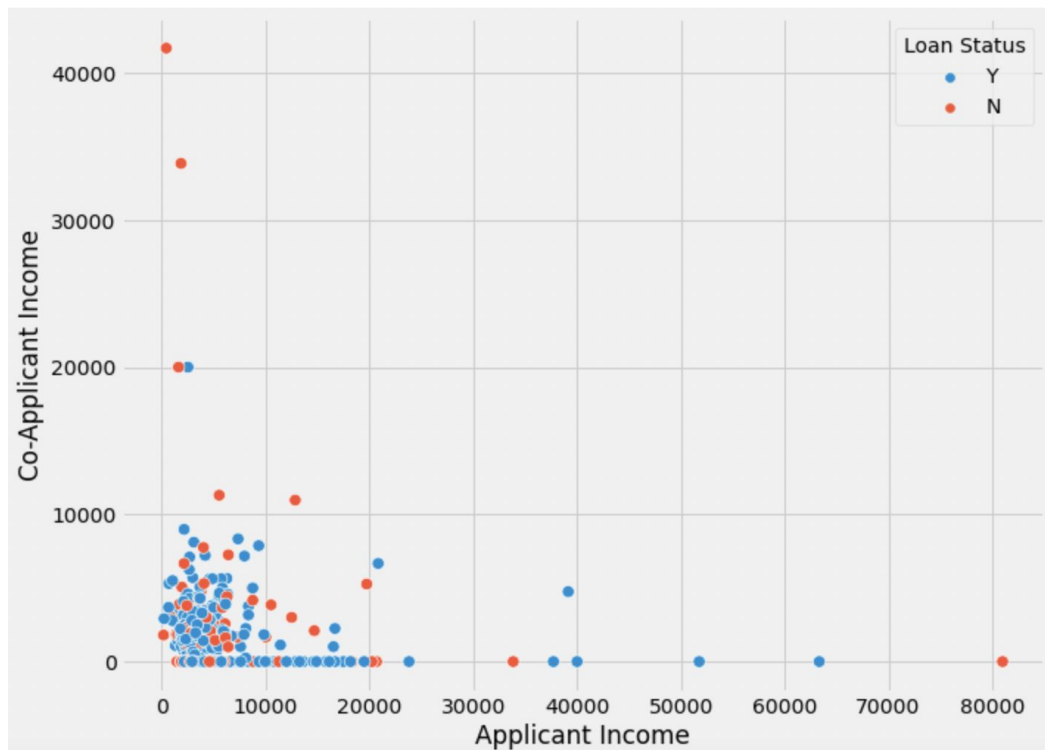
Property Area



Education

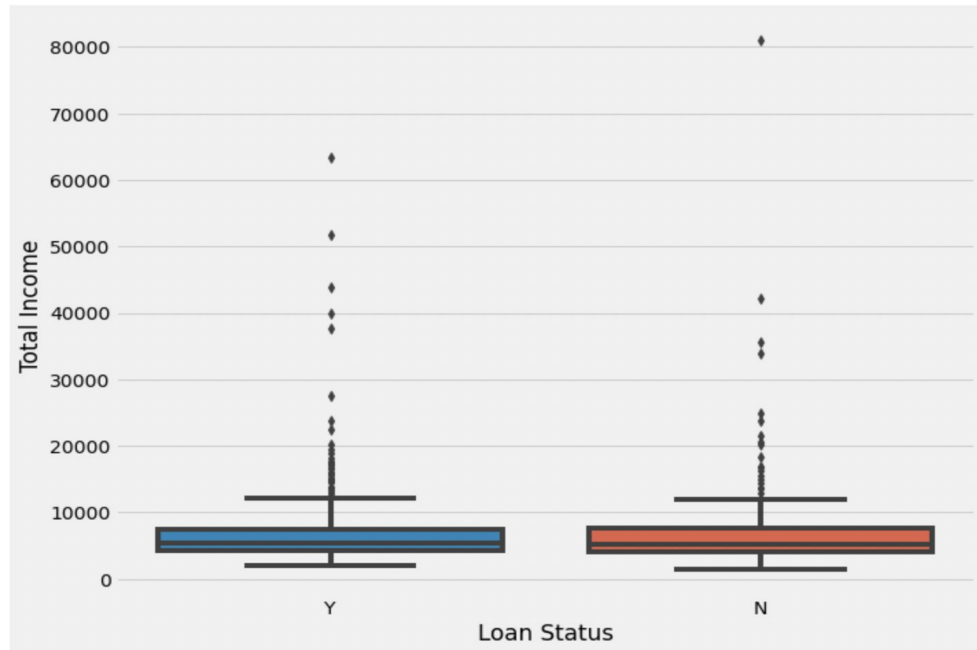
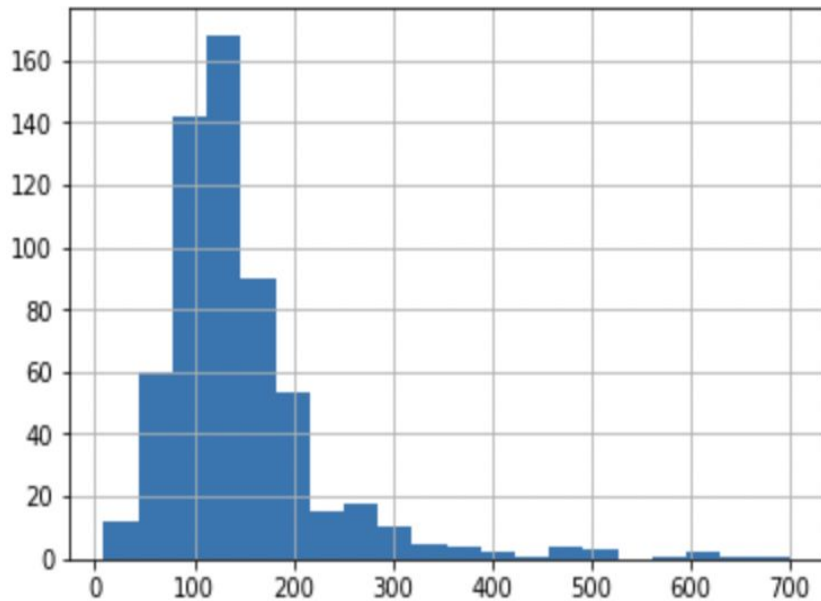


Applicant and Co-applicant Income

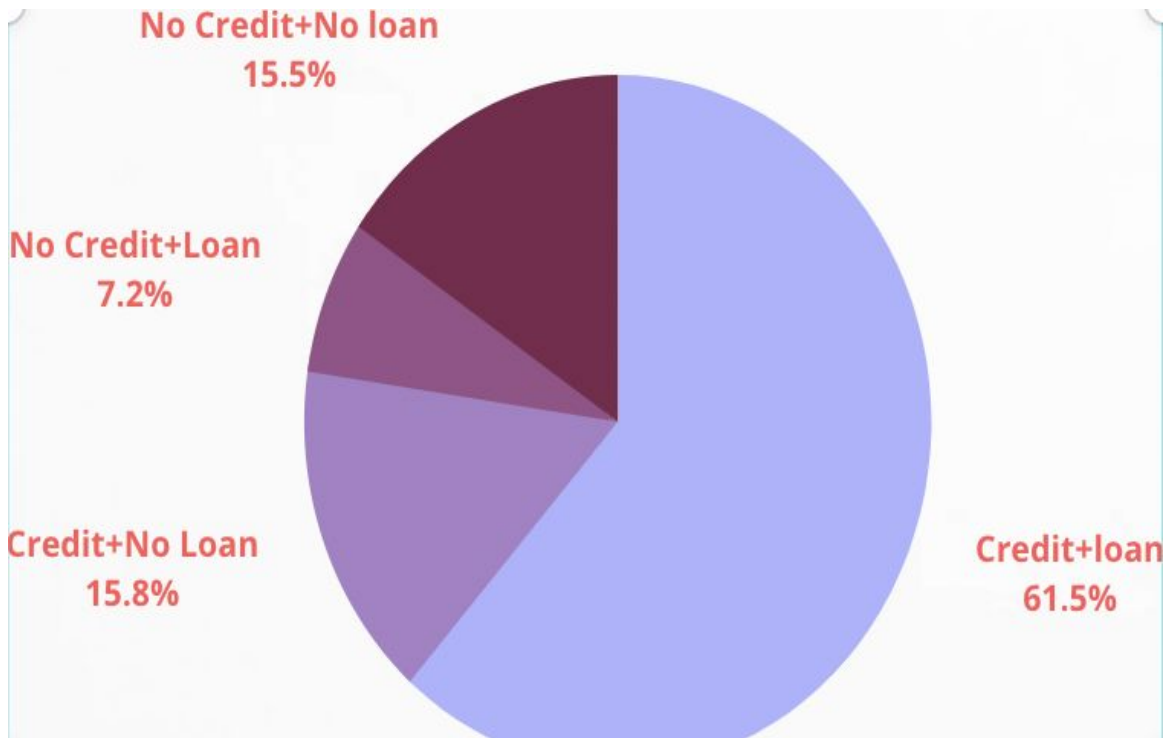


Total Income

Total Income



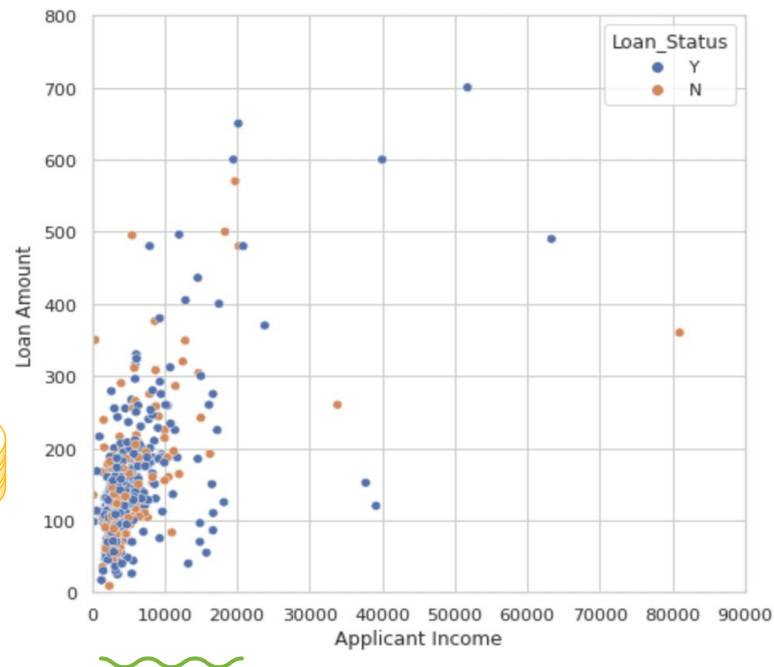
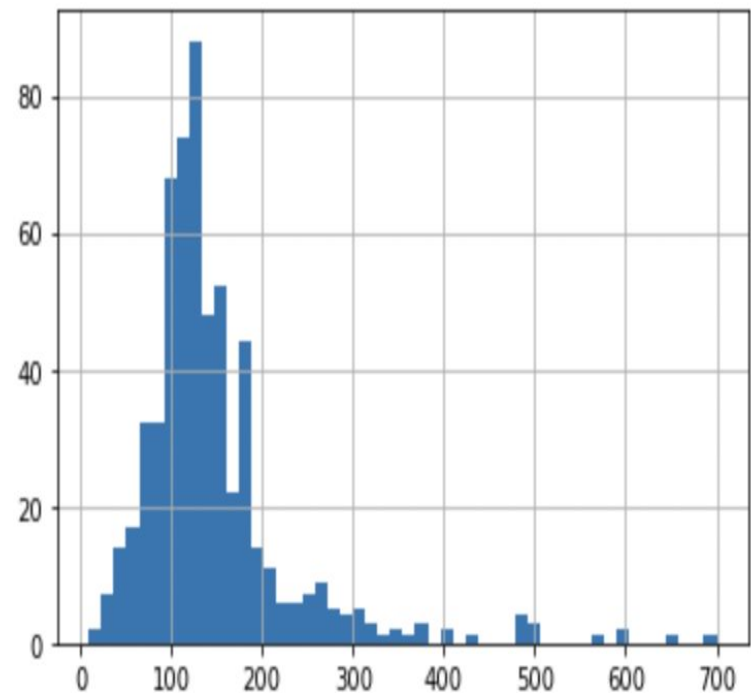
Credit History



Credit 84.21%

No Credit 15.78%

Loan Amount



Model Accuracy



(Logistic Regression)

80.945%

Loan Prediction(AWS)



Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "Loan_ID": "LP001001",
3   "Gender": "Male",
4   "Married": "Yes",
5   "Dependents": "2",
6   "Education": "Not Graduate",
7   "Self_Employed": "Yes",
8   "ApplicantIncome": 25849,
9   "CoapplicantIncome": 0.0,
10  "LoanAmount": 300.0,
11  "Loan_Amount_Term": 24.0,
12  "Credit_History": 1.0,
13  "Property_Area": "Rural"
14 }
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 1195 ms Size: 169 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "loan status": "'Y'"
3 }
```



Challenges

Learning how to upload my pickled model and then predict on it within the flask api on the cloud.



Thanks!

