**Loan Status Prediction Model**

* Data Set Description:

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| **Column** | **Description** |
| Loan\_ID | Unique ID given to customer |
| Gender | Male/Female |
| Married | Married/Single |
| Dependents | No of people dependent on the applicant |
| Education | Graduate or not |
| Self\_Employed | Yes or No |
| ApplicantIncome | Income of Applicant |
| CoapplicantIncome | Income of Co-Applicant |
| LoanAmount | Loan amount in thousands |
| Loan\_Amount\_Term | Term in months |
| Credit\_History | previous credit guidelines or not |
| Property\_Area | Property situated in Urban/Sub-Urban/Rural region |
| Loan\_Status | Loan approved or not |

* Logistic Regression model used
* Columns TotalIncome, LoanAmt\_per\_totInc, Loan\_Amt\_term\_per\_totInc, EMI\_per\_Loan\_Amt\_term, EMI\_per\_Loan\_Amt added so that correlation between different columns can be considered
* Accuracy of 8.5approx achieved