**Project Idea #4**

**Data Mining Project on Loan Prediction**

The idea behind this ML project is to build a model that will classify Loan status for each customer who can take loan or not

It is based on the user’s marital status, education, number of dependents, and employments and etc.

**Dataset:** The dataset “Train data” contain features of customers like marital status, education, number of dependents, and employments and etc. to detect the status of loan.

**The project implementation steps will go as follows:**

* Understand the dataset attributes
* Apply the required data preprocessing methods
* Detect outliers
* Implement different classification models to investigate the performance of each classifier on detecting the loan status for each customer
* Mention your observations and study the parameters (features) that play a vital role in accepting loan.
* After get the best classifier. Use “New Customer “ data to predict the loan for each new customer
* From the new customer data , what is the percentage of married people in semiurban area that obtained the loan ?
* Visualize the result of data in plots (discover the potential plots to describe result )