**Machine Learning**

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**ASSIGNMENT No.01**

**Q) Choose any data set, explain its features, type of data and how you would apply machine learning on it.**

**Data Source:**

Data has been chosen from Kaggle featured as Pakistan Intellectual Capital.

<https://www.kaggle.com/altruistdelhite04/loan-prediction-problem-dataset>

The data source is a private dataset owned my multiple people while being led by one Debdatta Chatterjee with latest update on March 12th, 2019 at the time of data extraction for this assignment.

**Data Background:**

The Dataset contains list of anonymous Applicants from displaying their earnings and qualifications and also their living standard as well as their dependents in order to correlate some of the features to conclude whether the applicant is viable for loan or not.

**Data Variables:**

1. Loan\_ID (#) -unique val.(Character/Numeric mix)
2. Gender -variable characters
3. Married - variable characters
4. Dependents - numeric
5. Education - variable characters
6. Self\_Employed - (Yes/No)
7. Applicant Income - numeric
8. Co Applicant Income - numeric
9. Loan Amount - numeric
10. Loan Amount Term -numeric
11. Credit History - binary (1/0)
12. Property Area - variable characters
13. Loan Status -Binary (Y/N)