**Loan Data**

Task 1:

1. Clean up data
2. Analyze data and get insights in the given context
   1. Include statistical parameters such as mean, median, standard deviation
   2. Do a basic hypothesis test if you know
   3. Use the visualization

Task 2:

1. Build a relational schema for the tables, include normalization if needed
2. Load the data into the database
3. Answer the following questions: Generate reports for
   1. the customer who has approached for the loan and all kyc is submitted and disbursal date is not given, or loan is not disbursed.
   2. the customer who has approached for the loan whose Bureau Score is less than 650 and min. enquires made is >3 and the cost of asset is between 50000 to 70000 and ltv is between the range of 50-60.
   3. the customer who has approached for the loan whose Bureau Score is less than 650 and min. enquires made is >3 and the cost of asset is between 50000 to 70000 and ltv is between the range of 50-60.
   4. the self-employed customer who has approached for the loan whose Bureau Score is less than 650 and min. enquires made is >3 and loan default are 0 and if all kyc is submitted and cross checked if any dues to previous loans.
   5. those customers where the loan is disbursed based on the Cibil score ranging between 670 -780 and also who are acquired the loan for more than 1 time and loan default is 1 or 0.

Task 3:

1. Build a flask application with following objectives
   1. Using the python Faker module (<https://pypi.org/project/Faker/>) create fake names if needed
   2. Develop an application to search and display Loan details

Task 4:

1. Create a Power BI dashboard and tell a story
2. Suggest business improvements

Task 5:

1. Migrate the project to AWS, choosing appropriate services