**Customer Goodness Using Customer Credit Management Master & Receivable from Customer Aging**

Project PRJ\_1001

DESCRIPTION

XYZ Credit Inc has engaged PA Consulting Inc to identify Target attribute(s) for identifying the level of customer goodness using customer credit management master and account receivable from customer aging.

**Problem Statement Scenario:**  
PA Consulting Inc is in the business of consulting various companies who supplies the goods and services to their customers on credit.

Various such companies have a hard time ensuring that right customers are given the right credit so as to minimize the financial loss for the companies.

Following actions should be performed:

* Load the data
* Check whether customers in master and aging are same? Identify missing customers/ Aging (if any)?
* Merge the two Data sets into a single.
* Determine the number of samples present in the data
* Understand the type of data.
* Identify the relevant features.
* Removes the features not relevant to the modeling
* Handle missing values
* Identify duplicates
* Count how many null values are existing in columns. Handle Null values as appropriate.
* Remove null value rows of the target variable(s).
* Identify the categorical features. Handle categorical features (Encode categorical data)
* We have to find if there are any correlated features present in the data. Remove the feature which might be correlated with some threshold.
* Identify the possible Target values (Identify the output variable). Provide explanation.
* Explore the data using histogram, heatmaps.
* Split the data
* Standardize the data
* Predict the accuracy using various ML models (including cross validation technique). Identifying the model resulting into highest accuracy.

Find the datasets:

Customer\_Credit\_Management\_Master.xlsx

ReceivableFromCustomer\_Aging.xlsx

Find the data dictionary here:

Customer\_Credit\_Management\_Master.xlsx

ReceivableFromCustomer\_Aging.xlsx