

# Visualizing And Analyzing The Data

## Importing The Libraries

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Project Name	Smart Lender- Applicant Credibility Prediction for Loan Approval

Import the necessary libraries as shown in the image

Import the required libraries for the model to run. The first step is usually importing the libraries that will be needed in the program.

```
import pandas as pd
import numpy as np
import pickle
import matplotlib.pyplot as plt
%matplotlib inline
import seaborn as sns
import sklearn

from sklearn.tree import DecisionTreeClassifier
from sklearn.ensemble import GradientBoostingClassifier, RandomForestClassifier
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import RandomizedSearchCV
import imblearn

from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import accuracy_score, classification_report, confusion_matrix, f1_score
```

