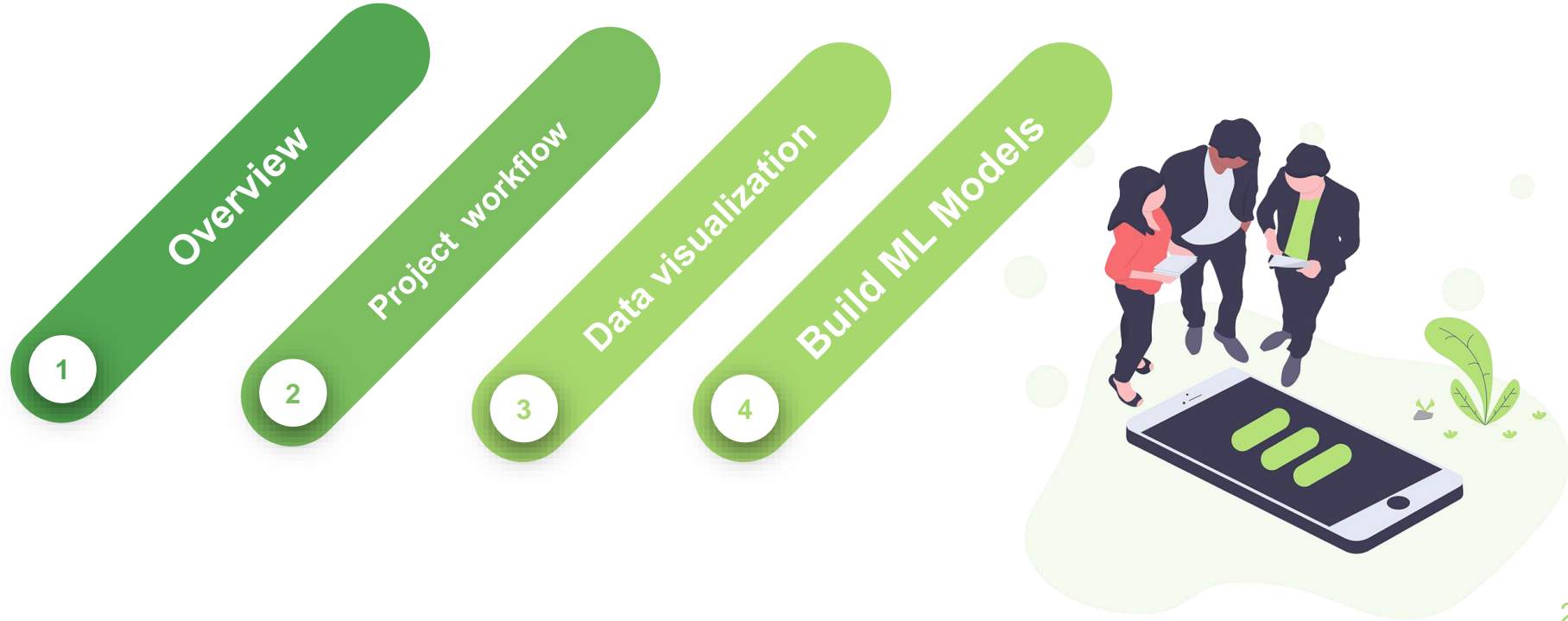


Credit Card Fraud Detection

Presented by: Naif Ahmed Al-Thagafi



Table of Content



Overview

“This project aims to credit card fraud Detection to reduce the loss of billions of dollars every year in credit card fraud.



Project workflow

1

**Import libraries
&
Read Data**

2

**Data Preprocessing
&
Data visualization**

3

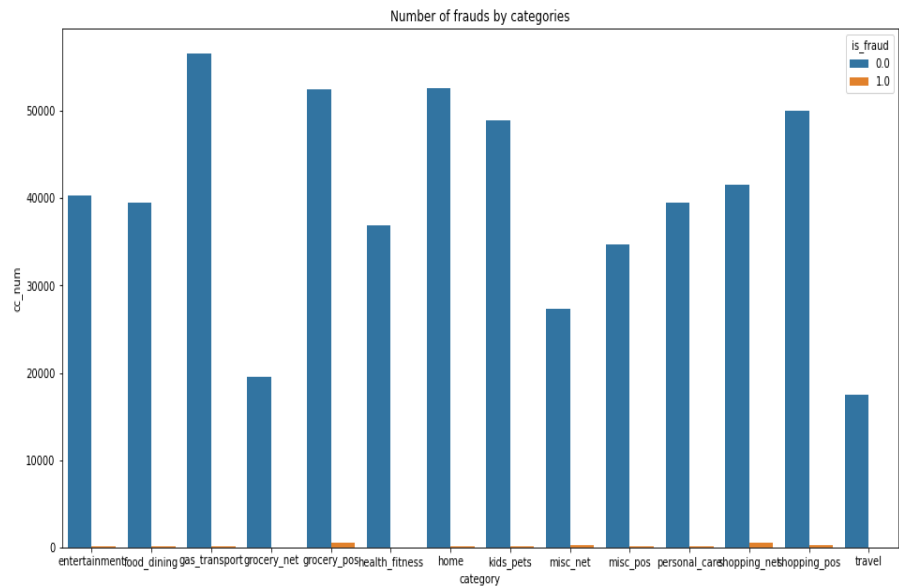
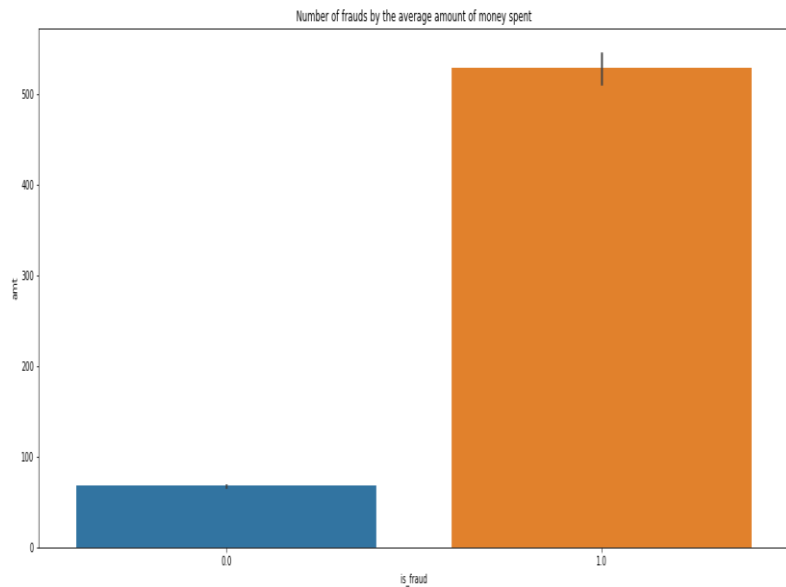
**Data splitting
&
Build Models**

4

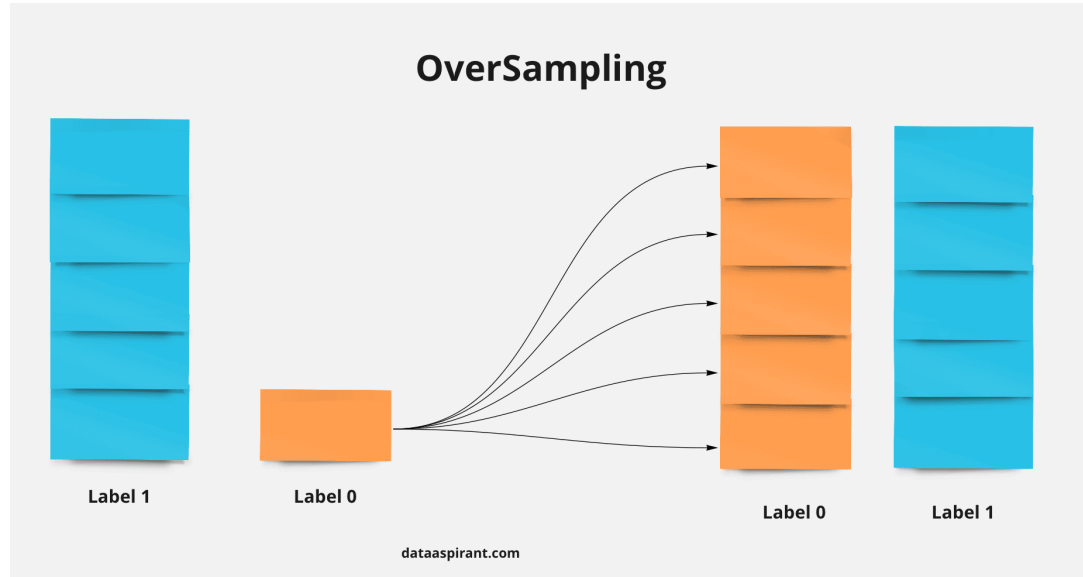
**Evaluating
Model
Performance**



Data Visualization



Resolving Imbalance by Oversampling



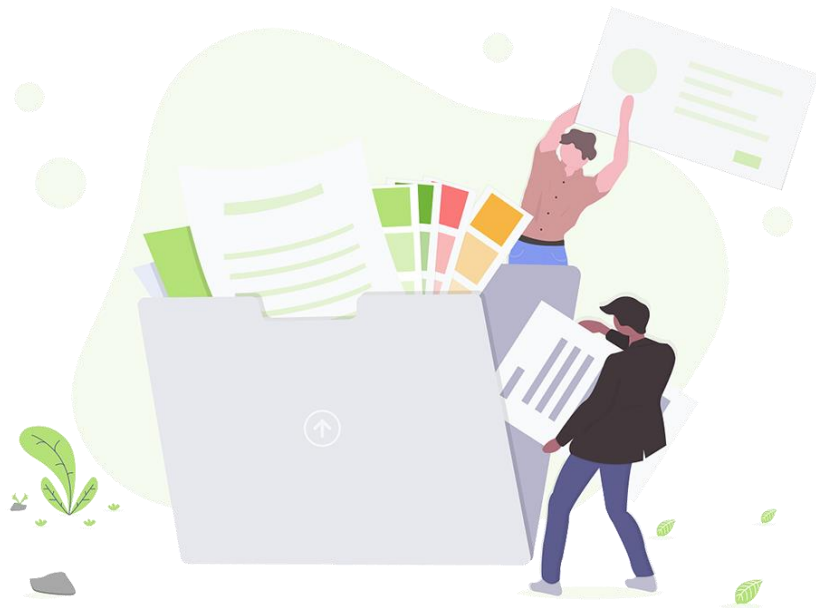
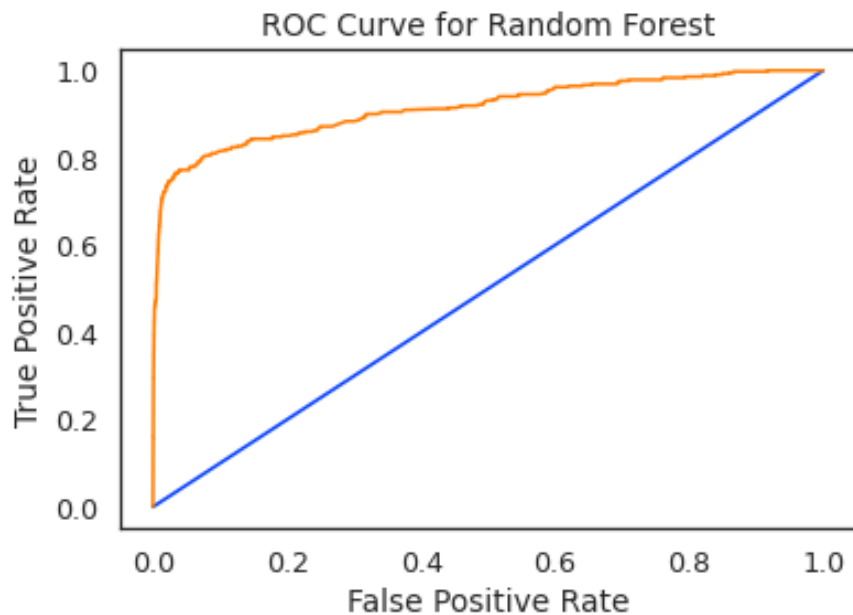
Picture Credit: <https://dataaspirant.com>

Build ML Models and Results:

Model	Result
Logistic Regression	0.996238%
Random Forest	0.996265%
K-Nearest Neighbor	0.996265%



Evaluating Model Performance



Thanks!

Any questions?

