

Steps followed for doing project

1. Read data.csv
2. Perform EDA and remove all null values & cleaned the dataset.
3. Perform important visualization using Matplotlib & Seaborn.
4. Create a new file named “**Reg_model.ipynb**”.
 - **Perform preprocessing and Data cleansing:** Dropping unnecessary columns, Standard Scaler, Normalization, OneHotEncoder.
 - Perform Train & Test Split.
 - Perform Feature Importance
 - Checking R2_Score
5. Create a new file named “**XGBoost_reg.ipynb**”.
 - **Perform preprocessing and Data cleansing:** Dropping unnecessary columns, Standard Scaler, Normalization, OneHotEncoder.
 - Perform Train & Test Split.
 - Fit the model.
 - Perform K-Fold Cross Validation
 - Checking R2_Score
6. Model Building Done:
 - Linear Regression [With & Without OLS]
 - Random Forest Regressor
 - XGBoost Regressor
7. XGBoost is giving the least RMSE Value, So considered as the final model.
8. Printing the Actual Value [Revolve_balance] and Predicted Value [Revolve_balance] in both “**Reg_model.ipynb**” & “**XGBoost_reg.ipynb**”.