

Project Development Phase Model Performance Test

Date	9 November 2023
Team ID	Team-592699
Project Name	Online payment fraud detection using ML
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score - Classification Model: Confusion Matrix - , Accuracy Score- & Classification Report -	<pre> train accuracy for rfc 1.0 test accuracy for rfc 0.9958847736625515 train accuracy for dtc 1.0 test accuracy for dtc 0.9917695473251029 train accuracy for etc 1.0 test accuracy for etc 0.9938271604938271 train accuracy for svc 0.8009259259259259 test accuracy for svcc 0.7901234567901234 train accuracy for xgb1 1.0 test accuracy for xgb1 0.9979423868312757 </pre> <pre> pd.crosstab(y_test,y_test_predict4) </pre> <pre> col_0 is Fraud is not Fraud isFraud is Fraud 132 102 is not Fraud 0 252 </pre> <pre> from sklearn.metrics import classification_report, confusion_matrix print(classification_report(y_test,y_test_predict4)) </pre> <pre> precision recall f1-score support is Fraud 1.00 0.56 0.72 234 is not Fraud 0.71 1.00 0.83 252 accuracy 0.79 486 macro avg 0.86 0.78 0.78 486 weighted avg 0.85 0.79 0.78 486 </pre>