

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 - , Accuray Score- & Classification Report -	<pre>**** Random Forest Classifier **** Confusion Matrix [[100 55] [2 78]] Classification Report precision recall f1-score support 0 0.90 0.83 0.87 43 1 0.76 0.97 0.85 80 accuracy: 0.83 macro avg: 0.83 0.79 0.78 123 weighted avg: 0.81 0.78 0.75 123</pre>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	<pre>Accuracy: 0.7804878048780488 Precision: 0.7572815533980582 Recall: 0.975 F1 Score: 0.8524580163934427 Cohens Kappa Score: 0.4491623818211975 Area Under Curve: 0.7329941860465116</pre>