
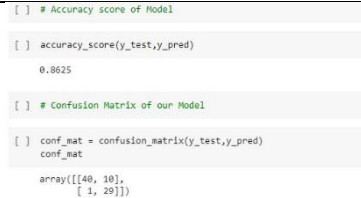


Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID39435
Project Name	Project – chronic kidney disease analysis using Machine Learning
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 - , Accuray Score- & Classification Report -	 <pre> [38] from sklearn import metrics from sklearn.metrics import mean_squared_error [47] metrics.r2_score(y_test,y_pred) 0.6011396011396011 [45] np.sqrt(mean_squared_error(y_test,y_pred)) 0.2958039891549808 [46] metrics.r2_score(y_test,y_pred) 0.6011396011396011 [48] np.sqrt(mean_squared_error(y_test,y_pred)) 0.2958039891549808 [46] print('R_squared:',metrics.r2_score(y_test,y_pred)) print('MSE:',mean_squared_error(y_test,y_pred)) print('RMSE:',np.sqrt(mean_squared_error(y_test,y_pred))) R_squared: 0.6011396011396011 MSE: 0.0875 RMSE: 0.2958039891549808 </pre>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <pre> [] # Accuracy score of Model [] accuracy_score(y_test,y_pred) 0.8625 [] # Confusion Matrix of our Model [] conf_mat = confusion_matrix(y_test,y_pred) conf_mat array([[40, 10], [1, 29]]) </pre>