

Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID26284
Project Name	Project - UNIVERSITY ADMIT ELIGIBILITY PREDICTOR
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in the 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> Mean Absolute Error : 0.042722654277053705 Mean Squared Error : 0.003704655398788414 Root Mean Squared Error: 0.06086588041578314 R2 Score : 0.8188432567829627 </pre>
2.	Comparing R2 scores for different regression models	Multiple Linear Regression, Decision Tree Regression, Random Forest Regression	<pre> Mutiple Linear Regression's Score = 0.819 Decision Tree Regression's Score = 0.588 Random Forest Regression's Score = 0.787 </pre>

<https://github.com/IBM-EPBL/IBM-Project-1635-1658406225/blob/master/Project%20Development%20Phase/Sprint%202/Fundamental%20Regression%20Methods.ipynb>