

Project Development Phase Model Performance Test

Date	13 November 2022
Team ID	PNT2022TMID12801
Project Name	Developing a Flight Delay Predicting Model
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	Classification Model: Confusion Matrix, Accuray Score- 0.8773200543232231 & Classification Report	Confusion Matrix : <pre>from sklearn.metrics import confusion_matrix confusion_matrix(predicted, y_test)</pre> <pre>array([[1825, 129], [138, 117]], dtype=int64)</pre> Accuracy Score: MODEL EVALUATION <pre>acc=accuracy_score(predicted,y_test)</pre> <pre>acc</pre> <pre>0.8791308284291535</pre> Classification Model: <pre>from sklearn.metrics import classification_report print(classification_report(predicted, y_test, labels=[1, 2, 3]))</pre> <table><thead><tr><th></th><th>precision</th><th>recall</th><th>f1-score</th><th>support</th></tr></thead><tbody><tr><td>1</td><td>0.48</td><td>0.46</td><td>0.47</td><td>255</td></tr><tr><td>2</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0</td></tr><tr><td>3</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0</td></tr><tr><td>micro avg</td><td>0.48</td><td>0.46</td><td>0.47</td><td>255</td></tr><tr><td>macro avg</td><td>0.16</td><td>0.15</td><td>0.16</td><td>255</td></tr><tr><td>weighted avg</td><td>0.48</td><td>0.46</td><td>0.47</td><td>255</td></tr></tbody></table>		precision	recall	f1-score	support	1	0.48	0.46	0.47	255	2	0.00	0.00	0.00	0	3	0.00	0.00	0.00	0	micro avg	0.48	0.46	0.47	255	macro avg	0.16	0.15	0.16	255	weighted avg	0.48	0.46	0.47	255
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