

FRA Extended Project Rubric

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Criteria	Ratings		Pts
1. Missing Value Treatment	Full Marks 6.0 pts	No Marks 0.0 pts	6.0 pts
2. Outlier Detection and Treatment	Full Marks 6.0 pts	No Marks 0.0 pts	6.0 pts
3. Checking Correlation amongst the variables using heatmap	Full Marks 5.0 pts	No Marks 0.0 pts	5.0 pts
4. Train Test Data Split	Full Marks 3.0 pts	No Marks 0.0 pts	3.0 pts
5. Build Logistic Regression Model (using statsmodel library) on most important variables on Train Dataset and choose the optimum cutoff. Also showcase your model building approach	Full Marks 15.0 pts	No Marks 0.0 pts	15.0 pts
6. Checking the accuracy of the model using confusion matrix for training set	Full Marks 5.0 pts	No Marks 0.0 pts	5.0 pts
7. Checking the accuracy of the model using confusion matrix for test set	Full Marks 5.0 pts	No Marks 0.0 pts	5.0 pts
8. Build a Random Forest Model on Train Dataset. Also showcase your model building approach	Full Marks 15.0 pts	No Marks 0.0 pts	15.0 pts
9. Validate the Random Forest Model on test Dataset and state the performance matrices. Also state interpretation from the model	Full Marks 10.0 pts	No Marks 0.0 pts	10.0 pts
10. Comparison of Random Forest model with logistic regression model	Full Marks 5.0 pts	No Marks 0.0 pts	5.0 pts
11. Conclusion and Recommendations	Full Marks 10.0 pts	No Marks 0.0 pts	10.0 pts
Quality of Business report (Please refer to the Evaluation Guidelines for Business report checklist. Marks in these criteria are at the moderator's discretion)	Full Marks 5.0 pts	No Marks 0.0 pts	5.0 pts