

Initial Model Training Code, Model Validation and Evaluation

Date	15 July 2024
Team ID	740148
Project Title	Number Oracle: Big Mart Sales Predictive Analysis
Maximum Marks	4 Marks

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

Paste the screenshot of the model training code **Model**

Validation and Evaluation Report:

Model	Classification Report	Accuracy	Confusion Matrix
RandomForestClassifier	<pre> Classification Report: precision recall f1-score support High 0.72 0.85 0.78 1501 Low 0.84 0.76 0.80 1042 Medium 0.49 0.39 0.43 867 accuracy 0.70 0.70 0.70 3410 macro avg 0.68 0.67 0.67 3410 weighted avg 0.70 0.70 0.70 3410 </pre>	60.7%	<pre> Confusion Matrix: [[1276 20 205] [103 793 146] [399 134 334]] </pre>
XGBOOST	<pre> Classification Report: precision recall f1-score support High 0.72 0.85 0.78 1501 Low 0.84 0.76 0.80 1042 Medium 0.49 0.39 0.43 867 accuracy 0.70 0.70 0.70 3410 macro avg 0.68 0.67 0.67 3410 weighted avg 0.70 0.70 0.70 3410 </pre>	61.1%	<pre> Confusion Matrix: [[1276 20 205] [103 793 146] [399 134 334]] </pre>

