**Model Development Phase Template**

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| Date | 8 July 2024 |
| Team ID | 739978 |
| Project Title | Rhythmic Revenue: Unveiling The Future Of Music Sales With Machine Learning |
| 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:**







**Model Validation and Evaluation Report:**

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| --- | --- | --- | --- |
| **Model** | **Classification Report** | **Accuracy** | **Confusion Matrix** |
| DecisionTreeRegression |  | 99% and 94% | - |
| Random forest regression |  | 99% and 94% | - |
| Linearregression |  | 18%and 20% | - |
| KNN |  | 74% and 60% | - |
| Xgbregression |  | 99% and 94% | - |