

Model Development Phase Template

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| Date | June 2025 |
| Team ID | Team-739774 |
| Project Title | Amazon Kindle Store Reviews 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 |
|---------------------------|---|----------|---|
| Linear Regression model | <pre>from sklearn.linear_model import LinearRegression lr = LinearRegression() lr.fit(x_train, y_train)</pre> | 60.7561 | <i>y_pred vs y_test</i> |
| Logistic Regression model | <pre>LogisticRegression().fit(x_train, y_train)</pre> | 68.2345 | <i>Confusion matrix between predicted and actual labels</i> |