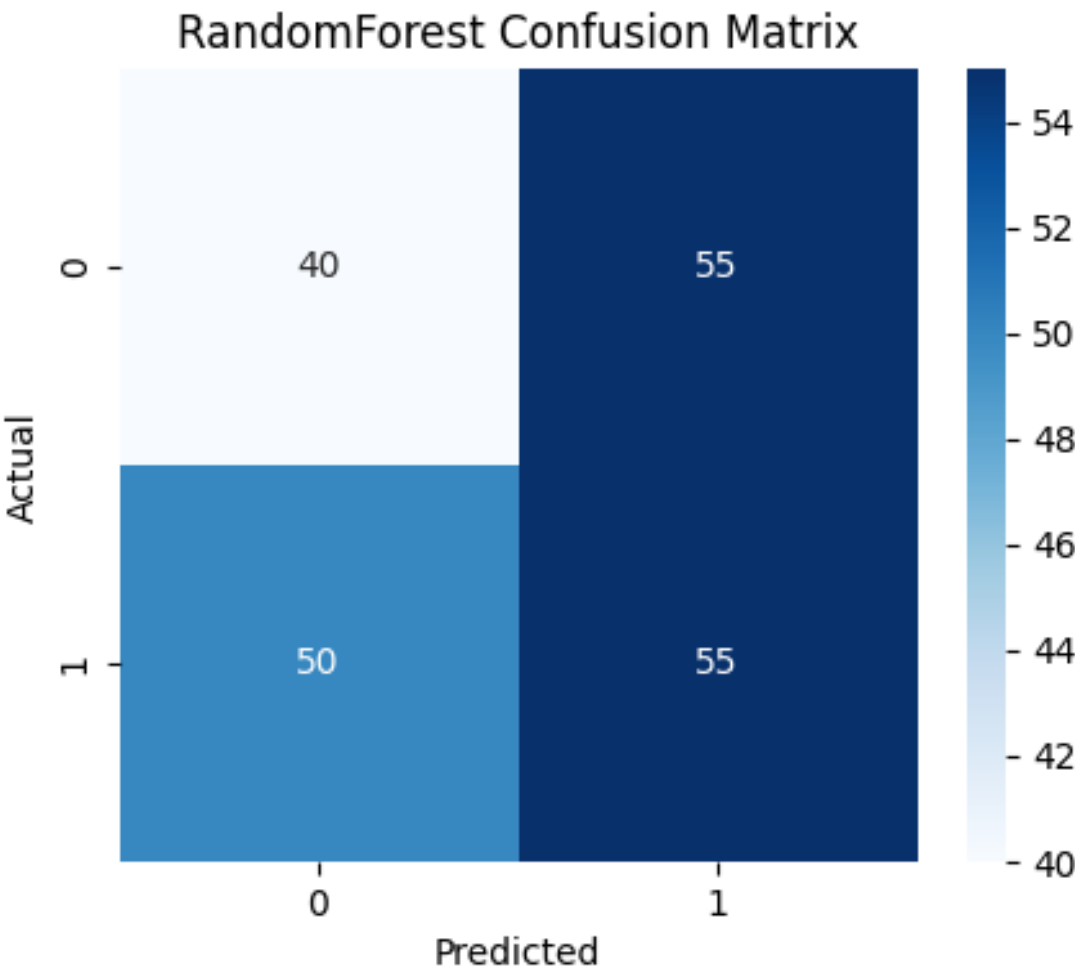


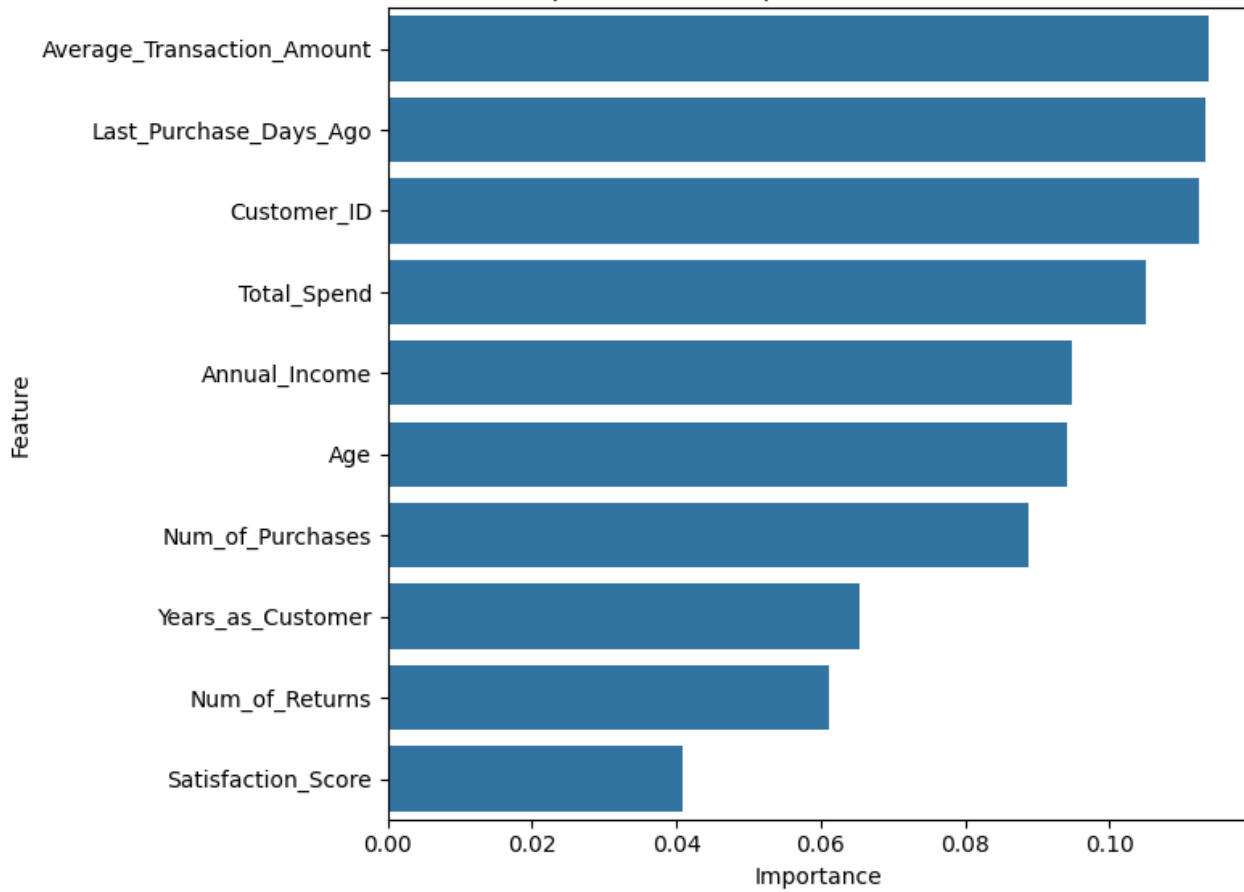
RandomForest Model Report

Model: RandomForest
Best Parameters: {'max_depth': 10, 'min_samples_split': 2, 'n_estimators': 100}
Accuracy: 0.4750
ROC-AUC: 0.4747
Confusion Matrix:
[[40 55]
 [50 55]]
Classification Report:
precision recall f1-score support

0	0.44	0.42	0.43	95
1	0.50	0.52	0.51	105
accuracy			0.47	200
macro avg	0.47	0.47	0.47	200
weighted avg	0.47	0.47	0.47	200



Top 10 Feature Importances - RandomForest

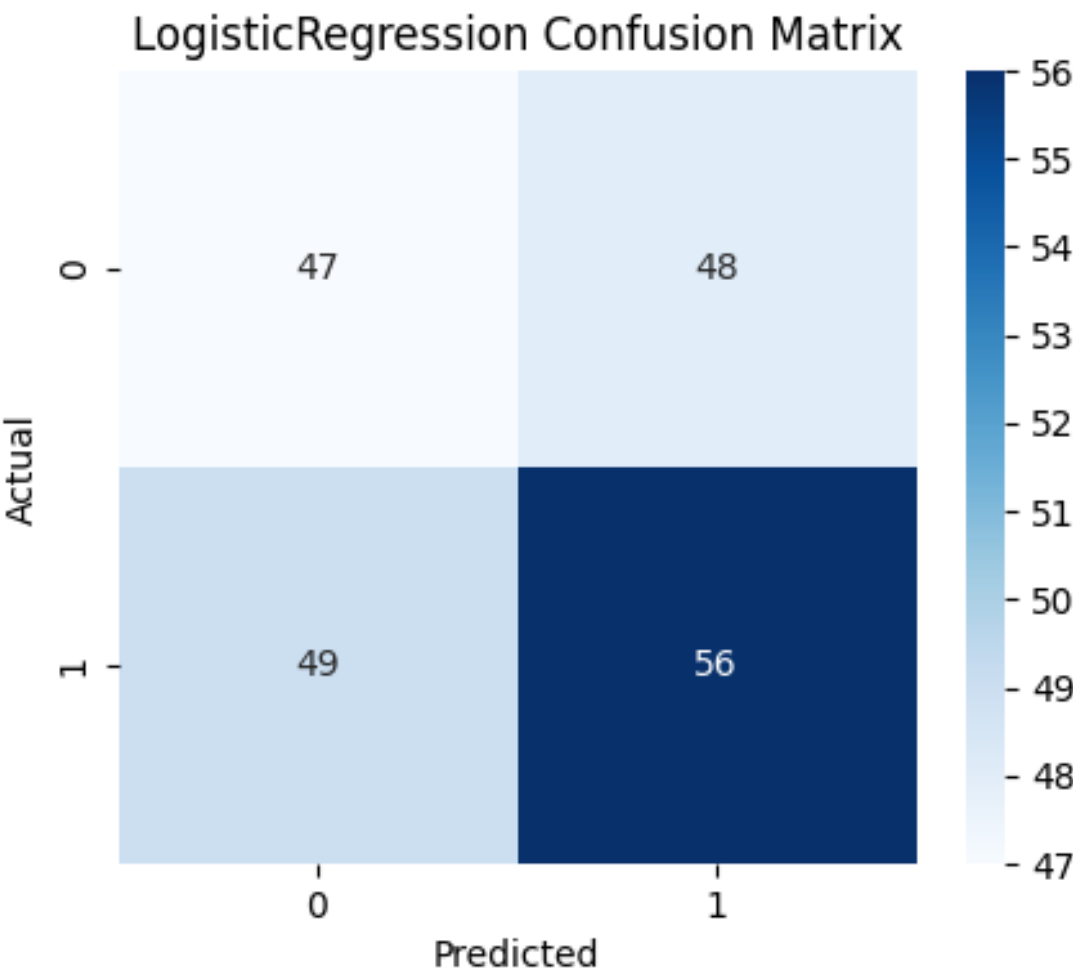


LogisticRegression Model Report

Model: LogisticRegression
Best Parameters: {'C': 0.1, 'solver': 'liblinear'}
Accuracy: 0.5150
ROC-AUC: 0.4897
Confusion Matrix:
[[47 48]
 [49 56]]
Classification Report:
precision recall f1-score support

0	0.49	0.49	0.49	95
1	0.54	0.53	0.54	105

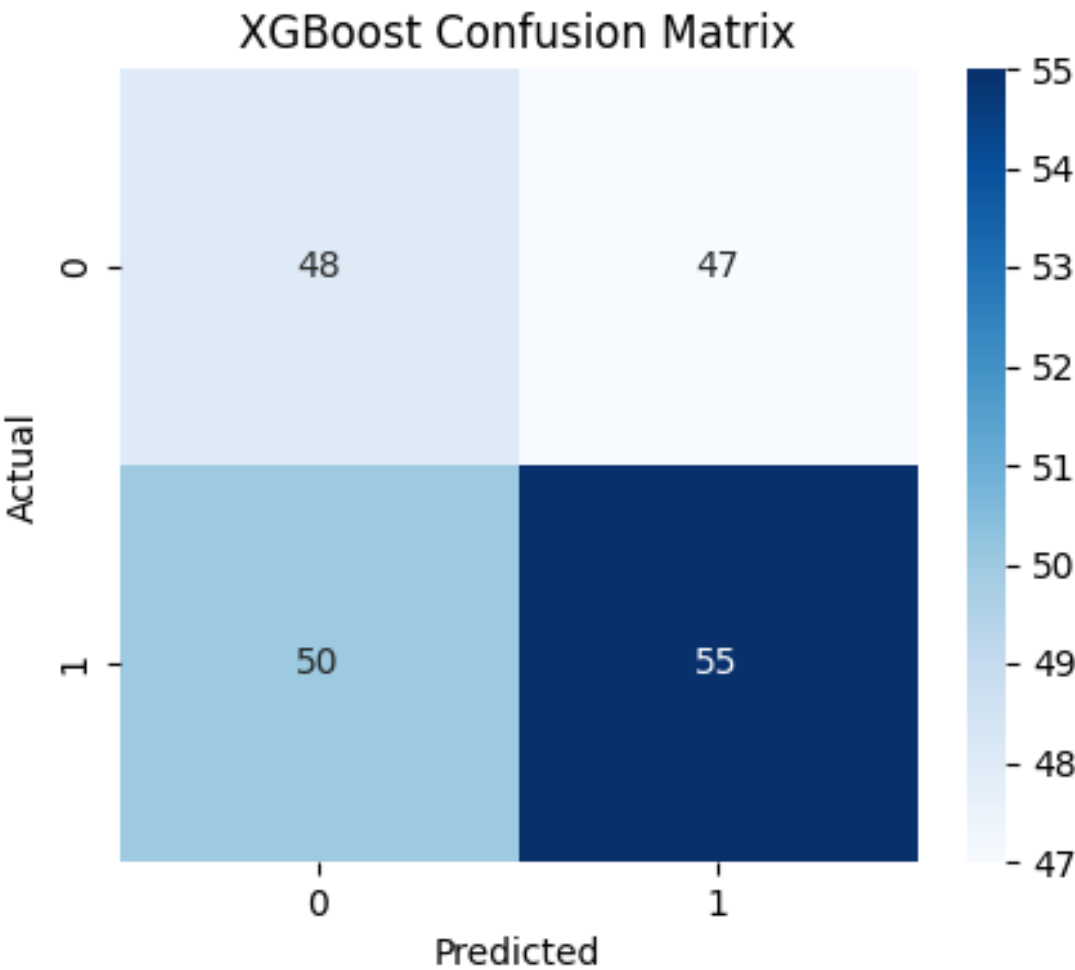
accuracy			0.52	200
macro avg	0.51	0.51	0.51	200
weighted avg	0.52	0.52	0.52	200



XGBoost Model Report

Model: XGBoost
Best Parameters: {'learning_rate': 0.2, 'max_depth': 7, 'n_estimators': 100}
Accuracy: 0.5150
ROC-AUC: 0.4960
Confusion Matrix:
[[48 47]
 [50 55]]
Classification Report:
precision recall f1-score support

0	0.49	0.51	0.50	95
1	0.54	0.52	0.53	105
accuracy		0.52		200
macro avg	0.51	0.51	0.51	200
weighted avg	0.52	0.52	0.52	200



Top 10 Feature Importances - XGBoost

