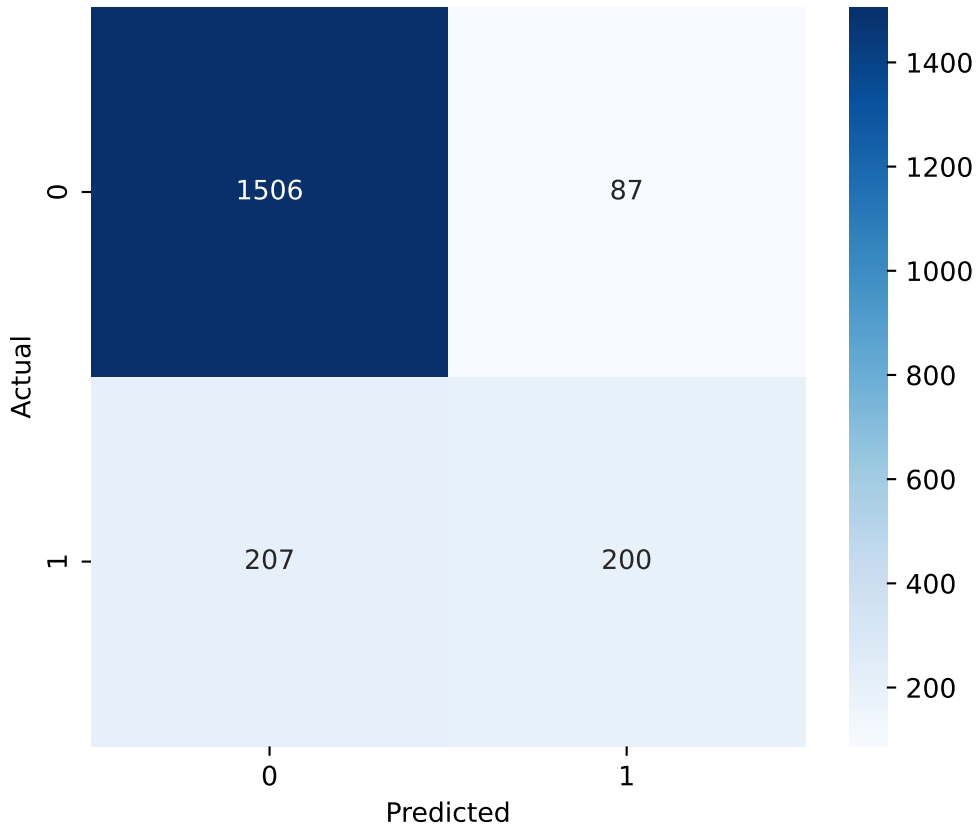


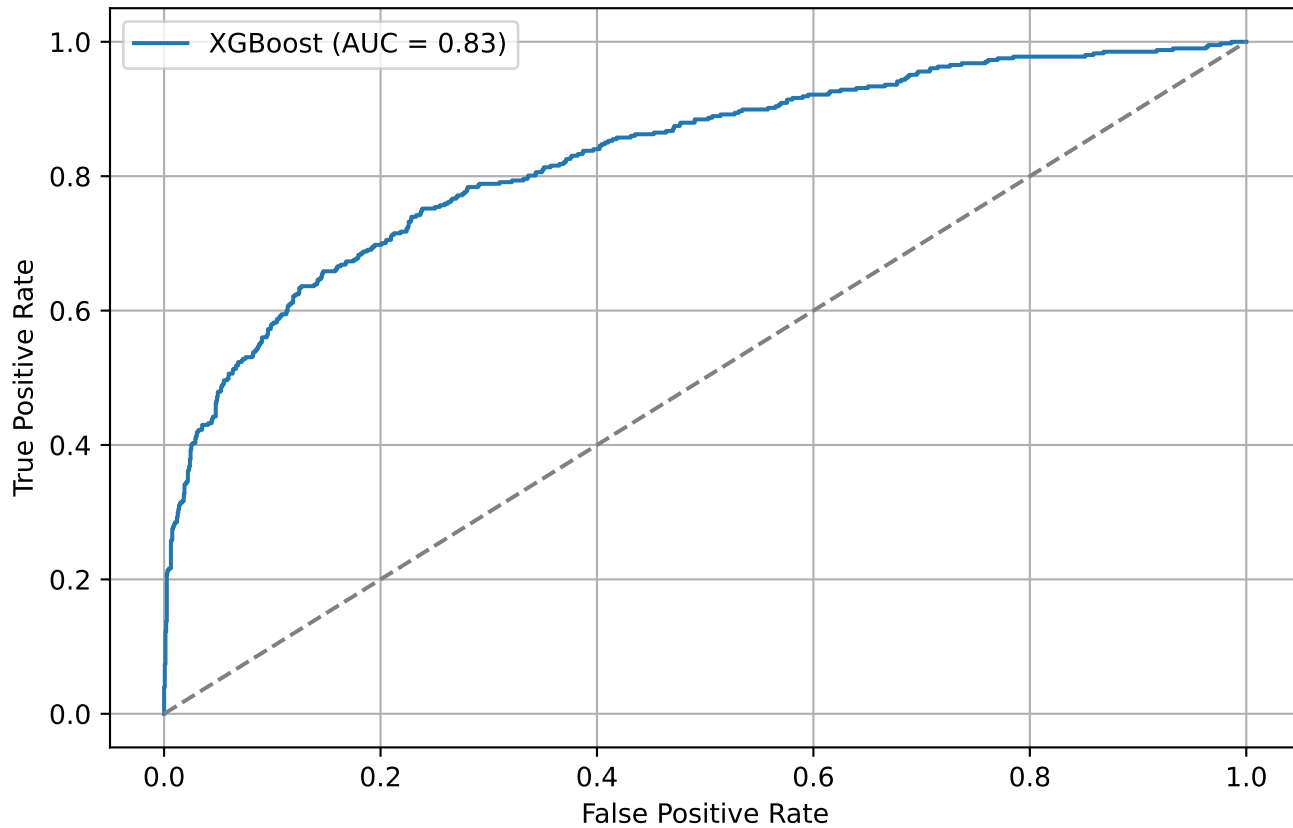
Confusion Matrix



	0	0.88	0.95	0.91	1593
	1	0.70	0.49	0.58	407
accuracy				0.85	2000
macro avg		0.79	0.72	0.74	2000
weighted avg		0.84	0.85	0.84	2000

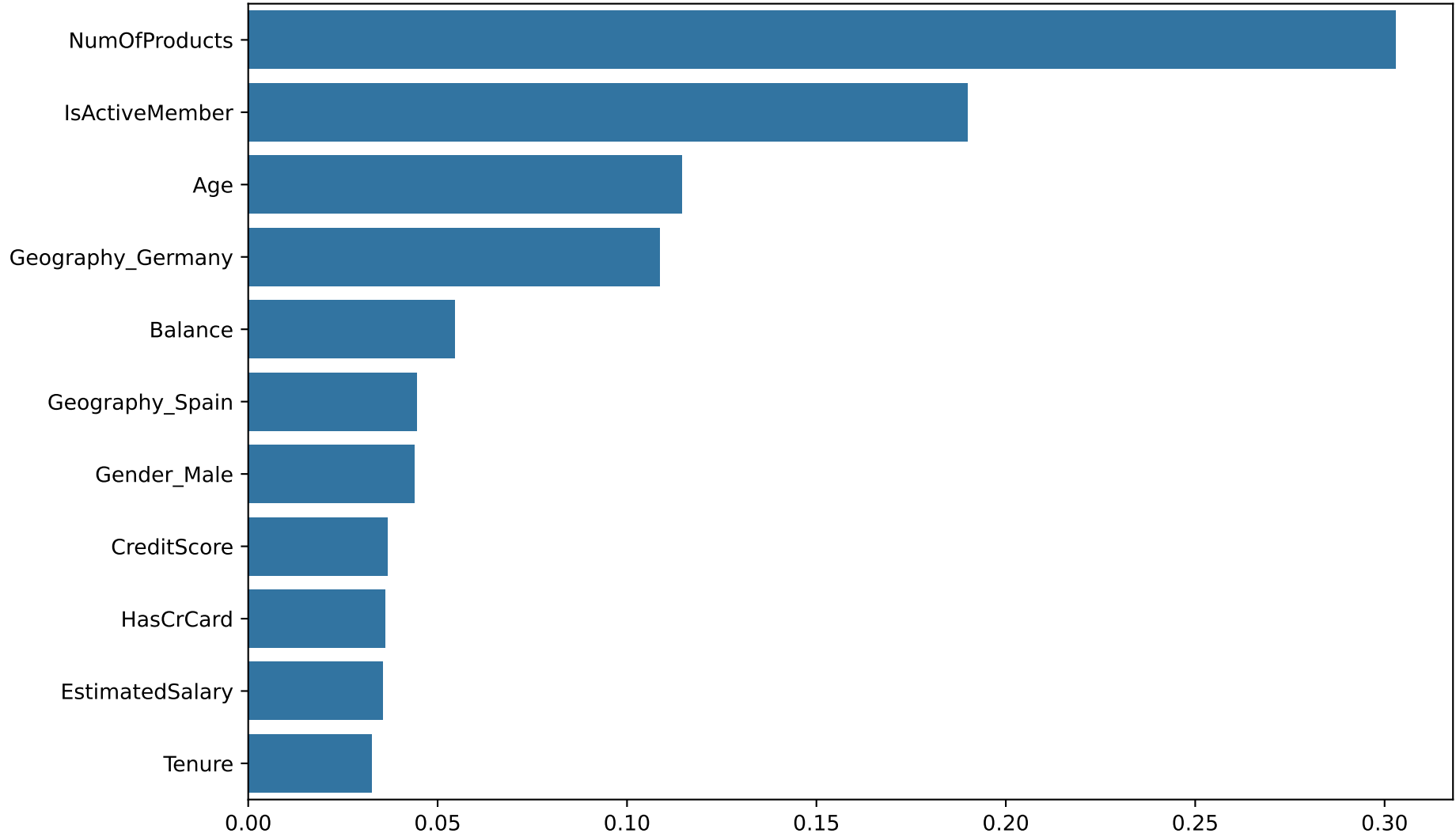
Classification Report:

ROC Curve



Feature Importance - XGBoost

None



Business Insights & Summary

- Model achieves ROC AUC score of 0.8293.
- Key churn drivers: NumOfProducts, IsActiveMember, Age, Geography_Germany, E
- Confusion matrix shows model accuracy and error distribution.
- These insights help target retention strategies for high-risk customers.