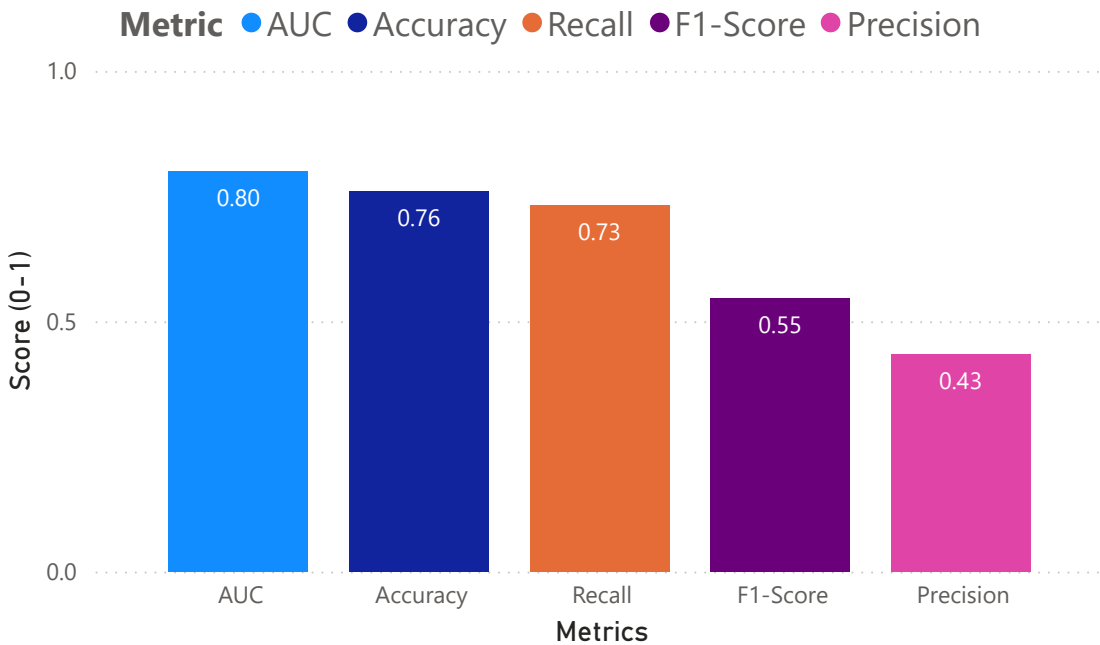


# Model Performance Overview

Quick measure

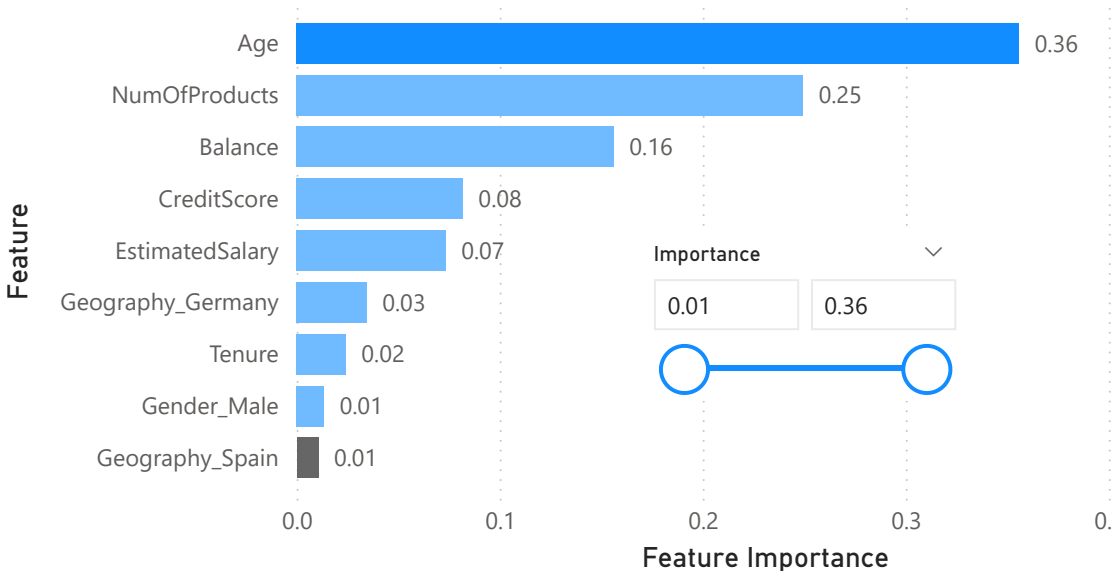
Accuracy 0.76	Precision 0.43	Recall 0.73	F1 Score 0.55	AUC 0.80
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Performance Metrics Overview

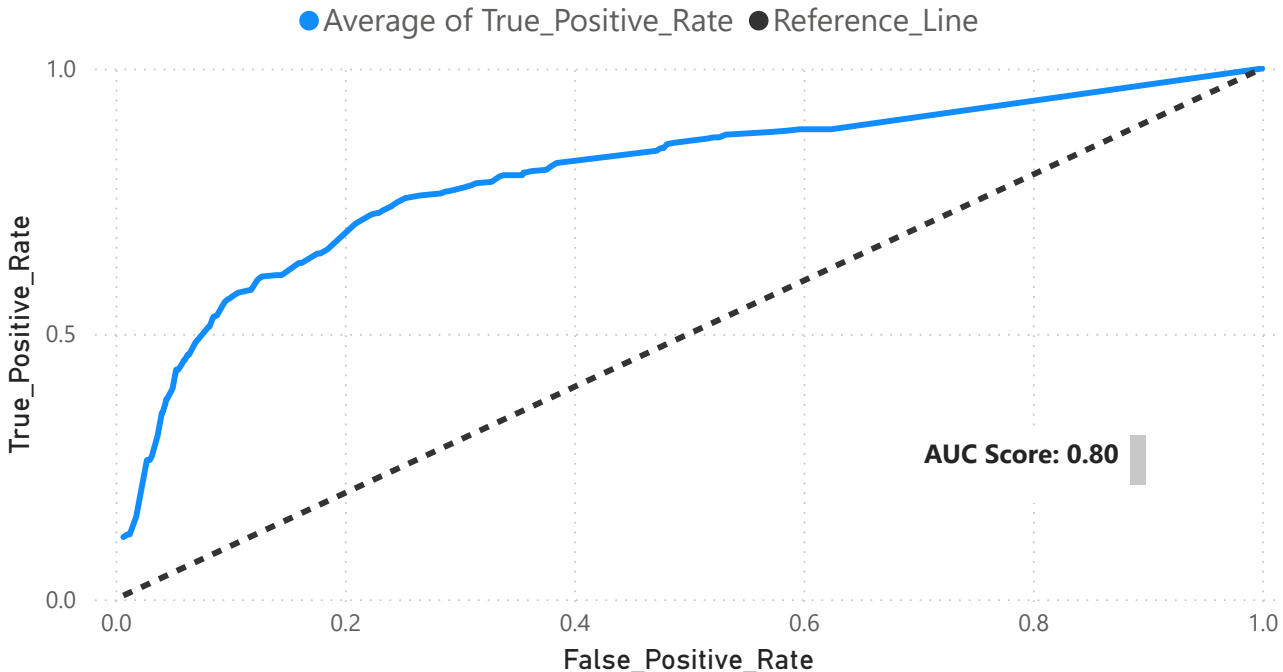


Top Features Influencing Customer Churn

This chart shows the most important features driving the model's churn predictions. Higher importance :



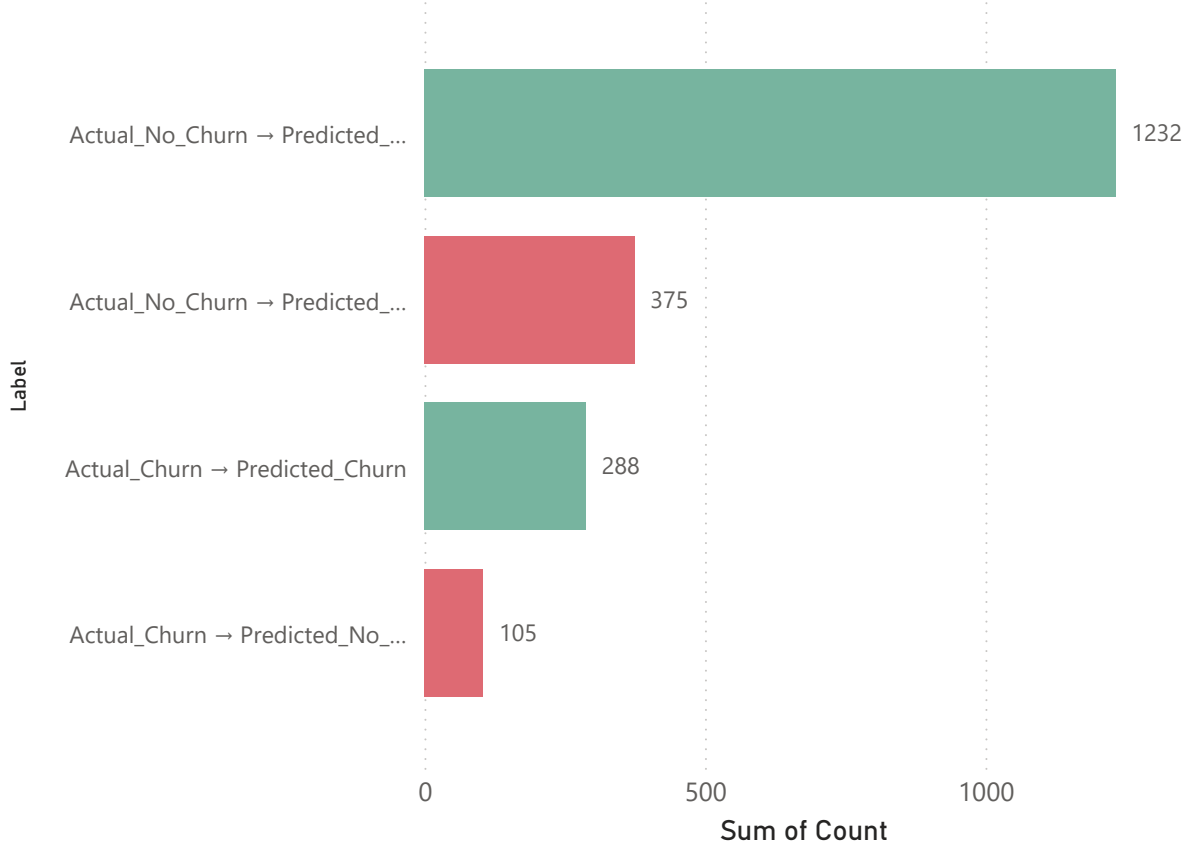
ROC Curve



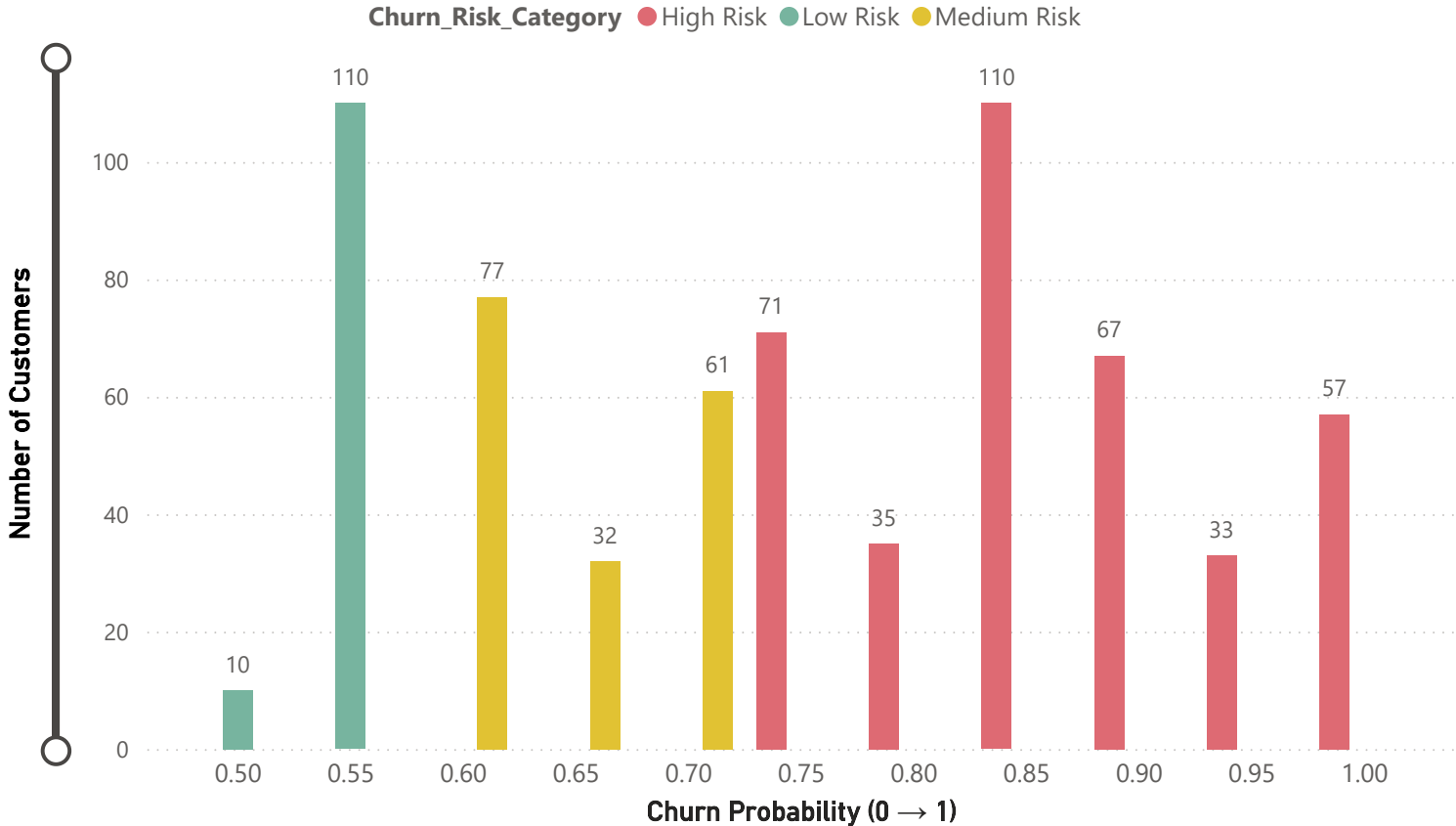
Confusion Matrix Summary

Label	Sum of Count
Actual_No_Churn → Predicted_No_Churn	1232
Actual_No_Churn → Predicted_Churn	375
Actual_Churn → Predicted_No_Churn	105
Actual_Churn → Predicted_Churn	288
Total	2000

Error Analysis Bar Chart

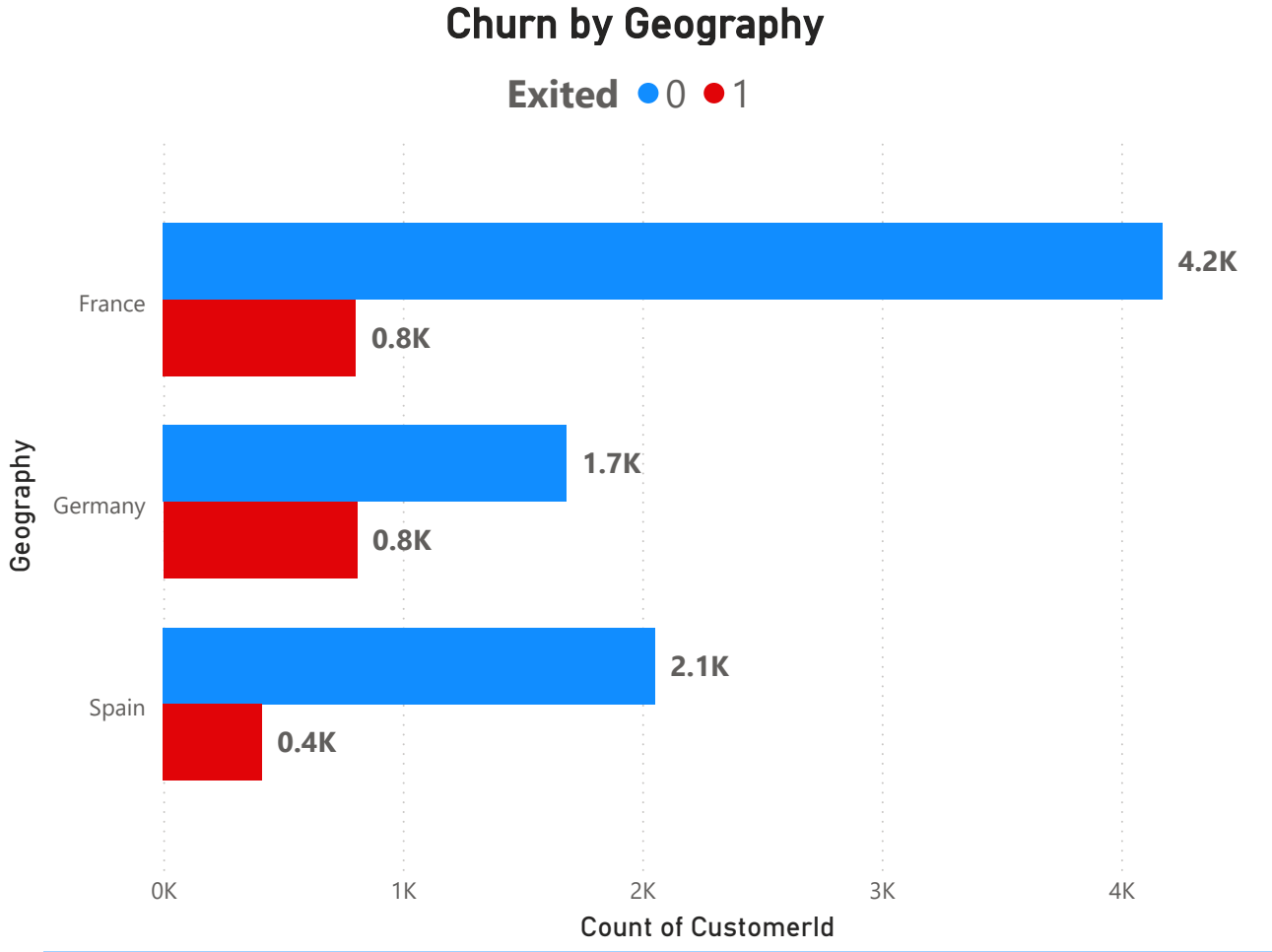
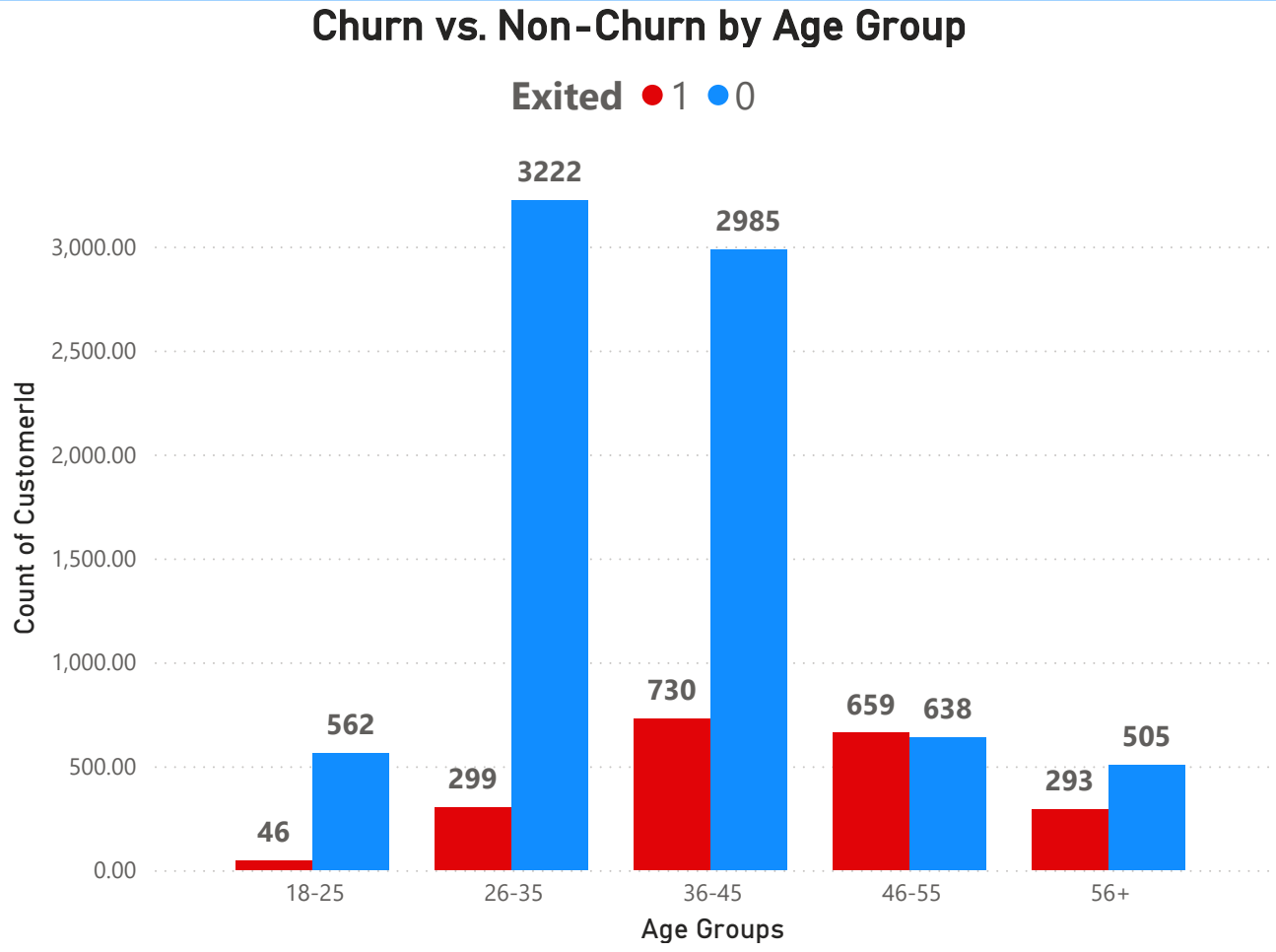


Churn Risk by Predicted Probability



# Churn Demographics

Quick measure



### Overall Churn Rate

20.39

Churn Rate %

Age Groups ▼

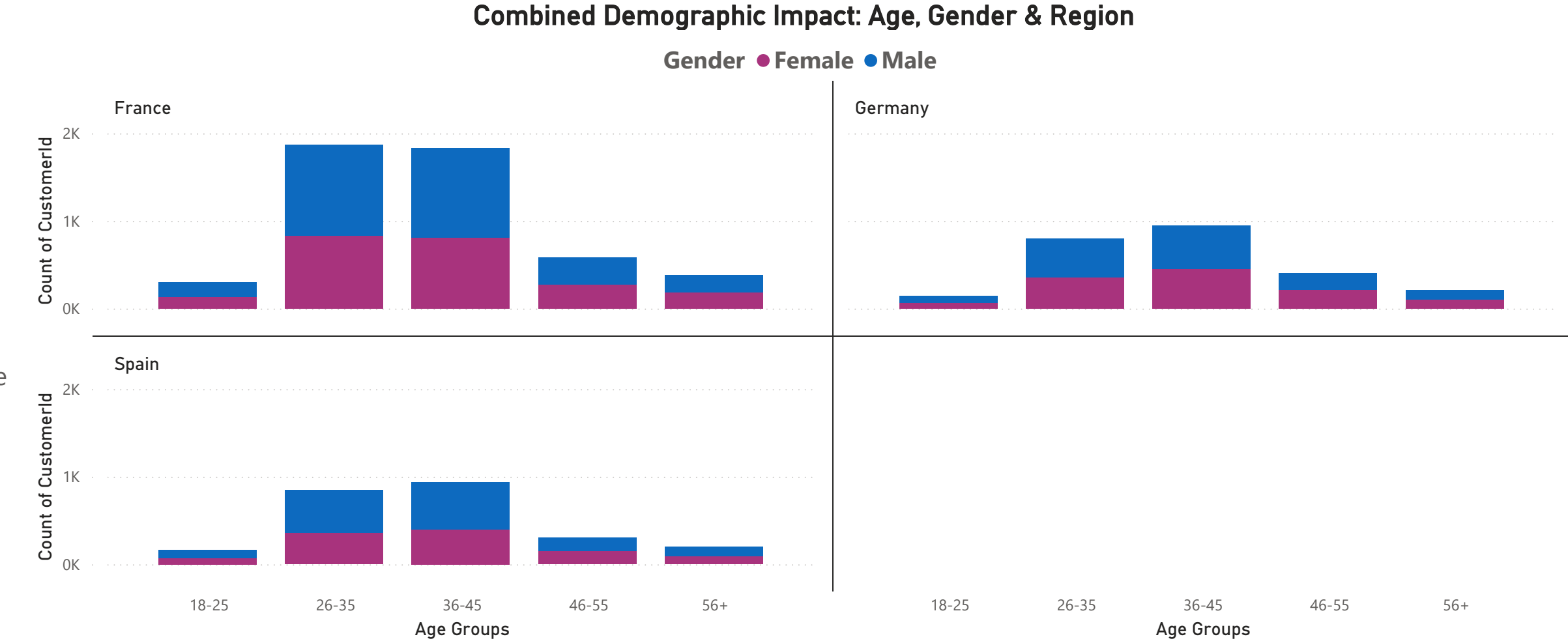
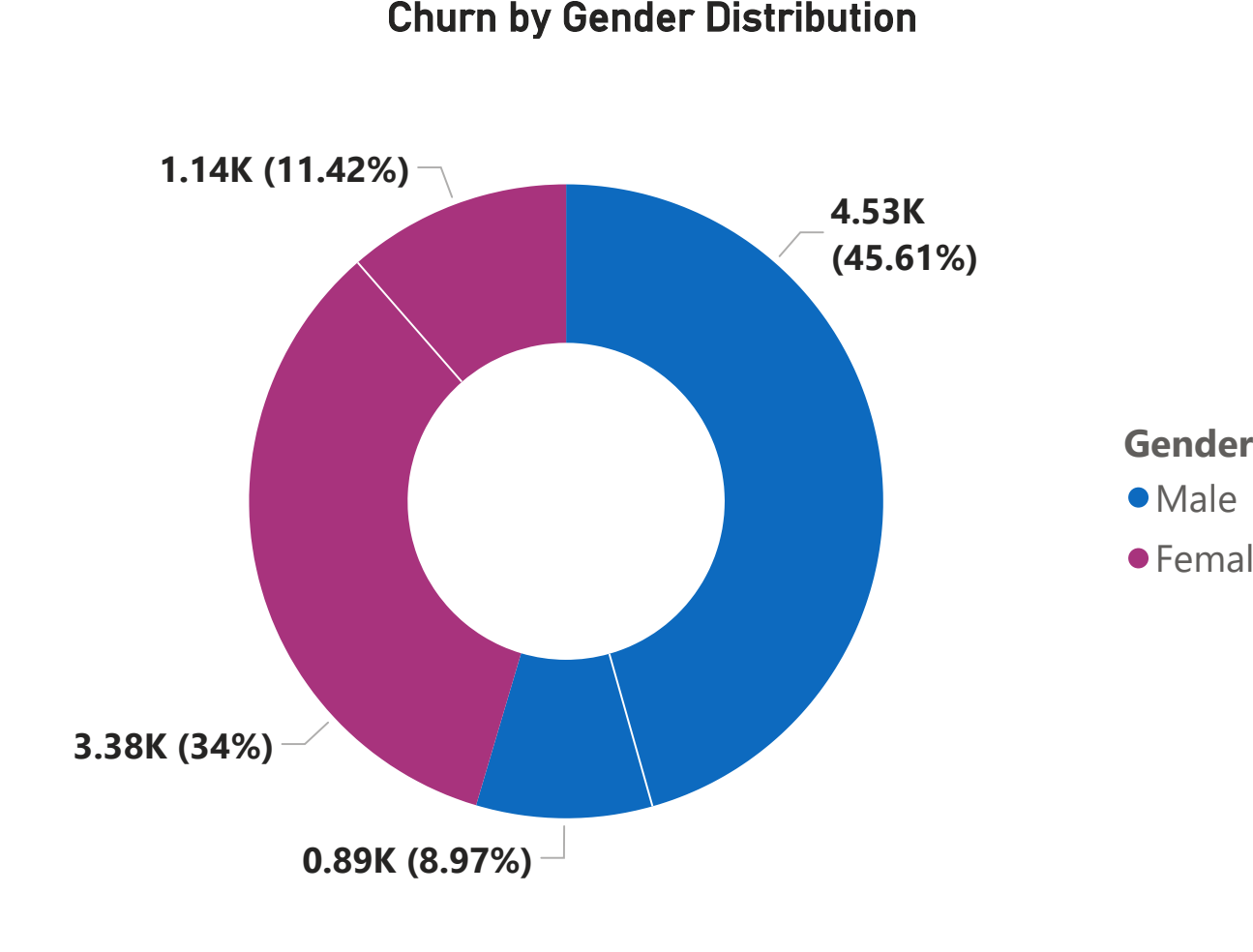
All ▼

Gender ▼

All ▼

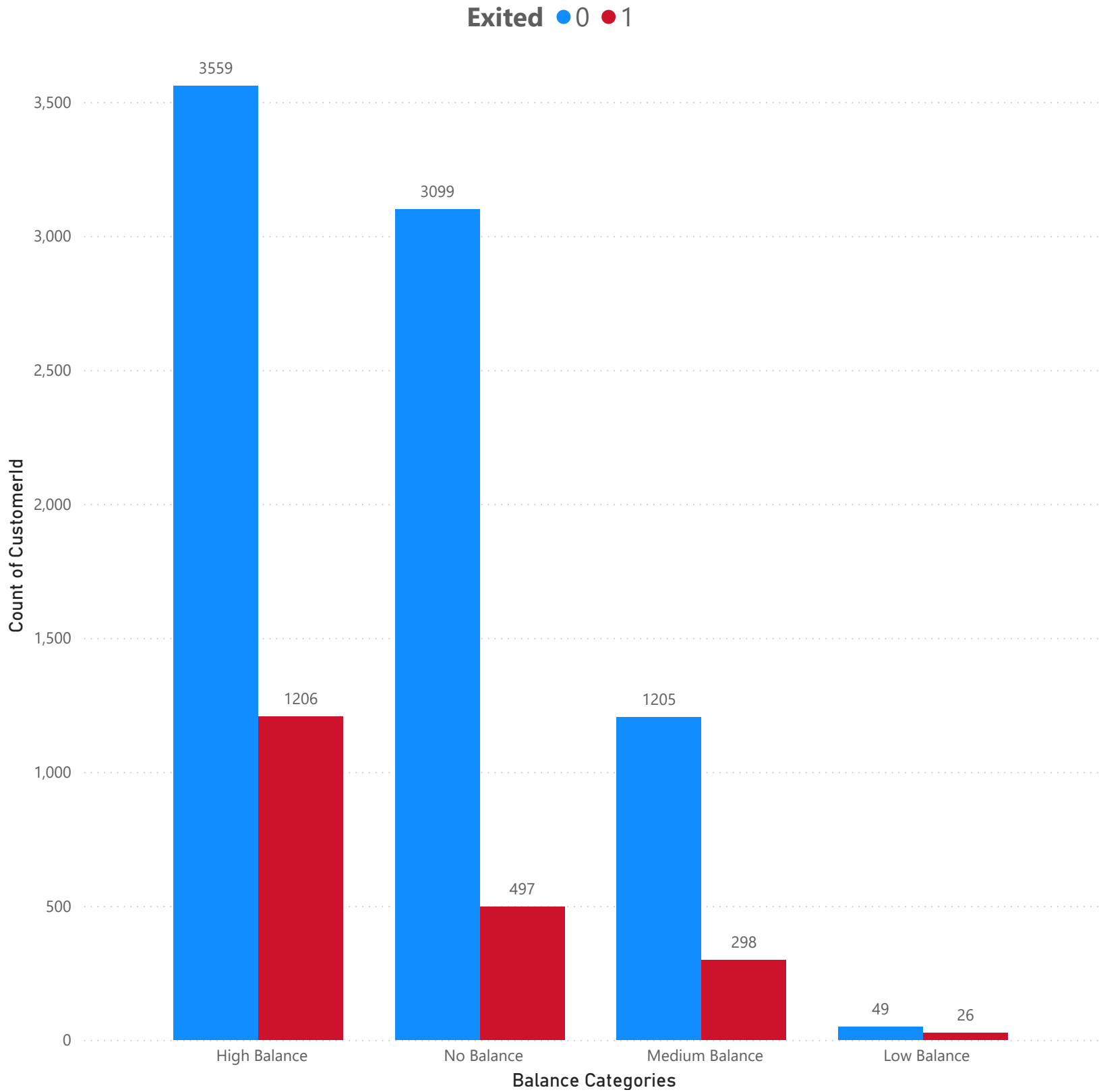
Geography ▼

All ▼

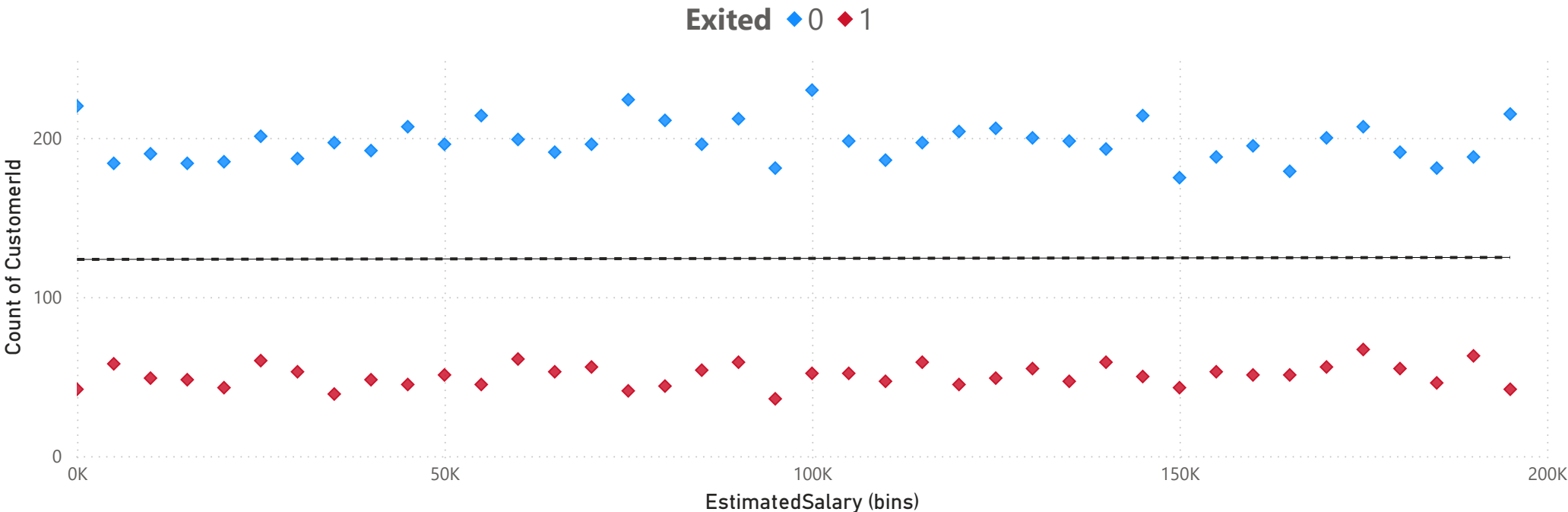


# Financial Insights

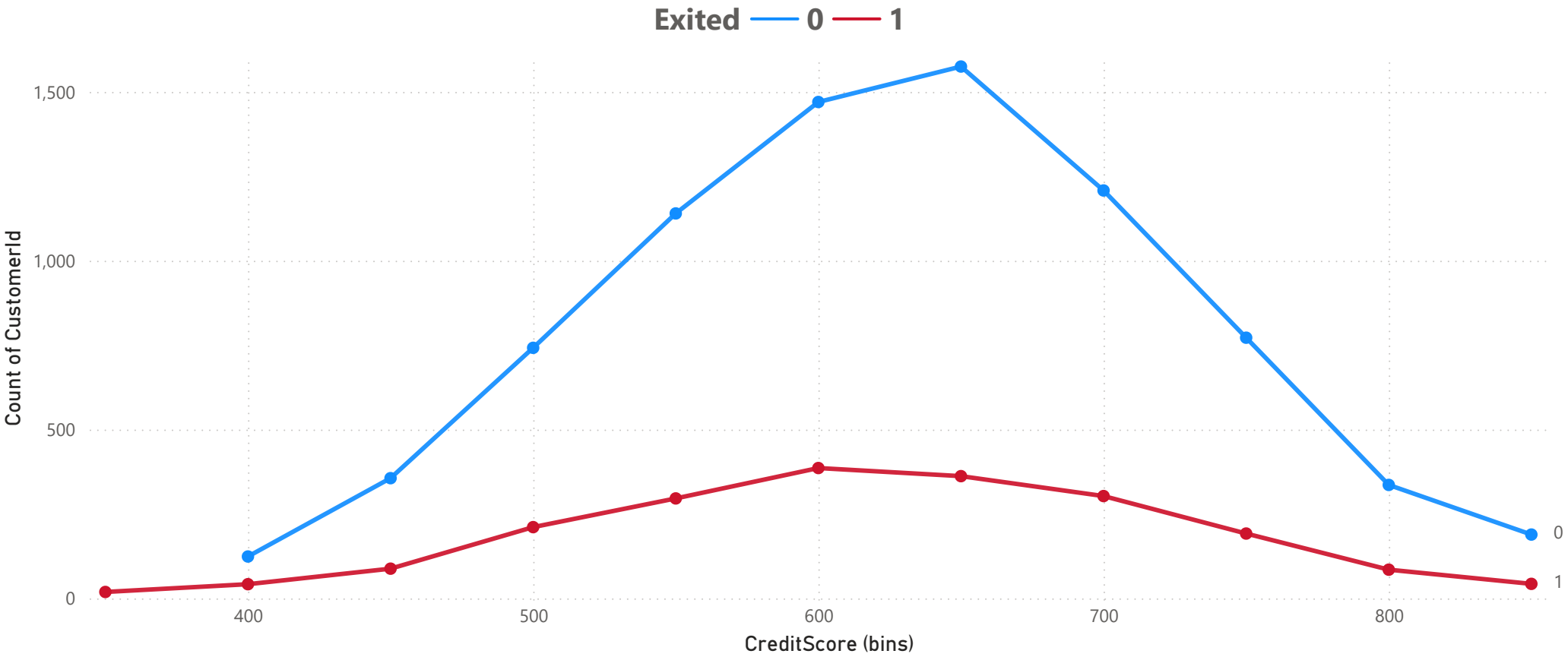
Balance Distribution by Churn Status



Estimated Salary vs. Churn Rate



Credit Score Distribution by Churn Status

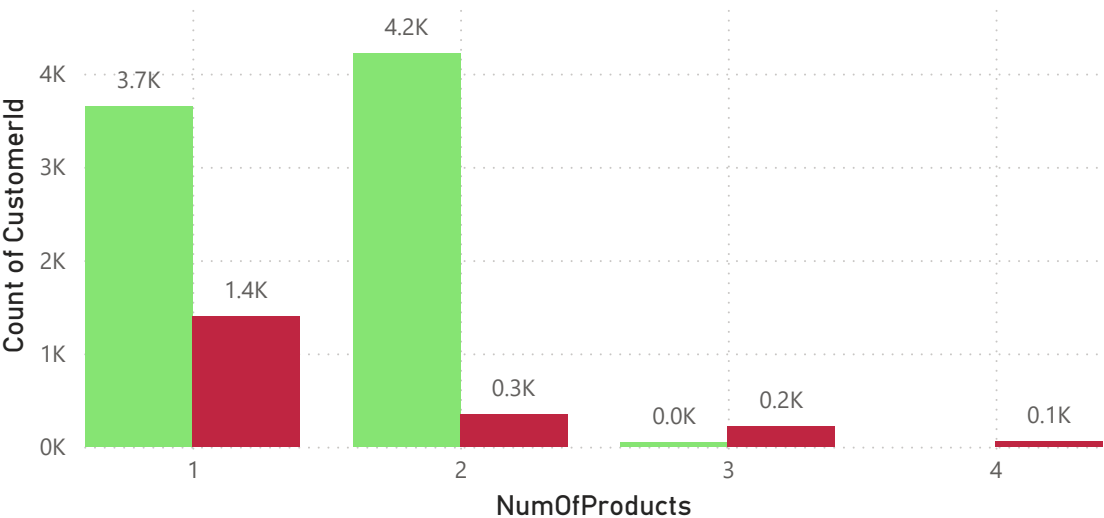


# Customer Activity Patterns

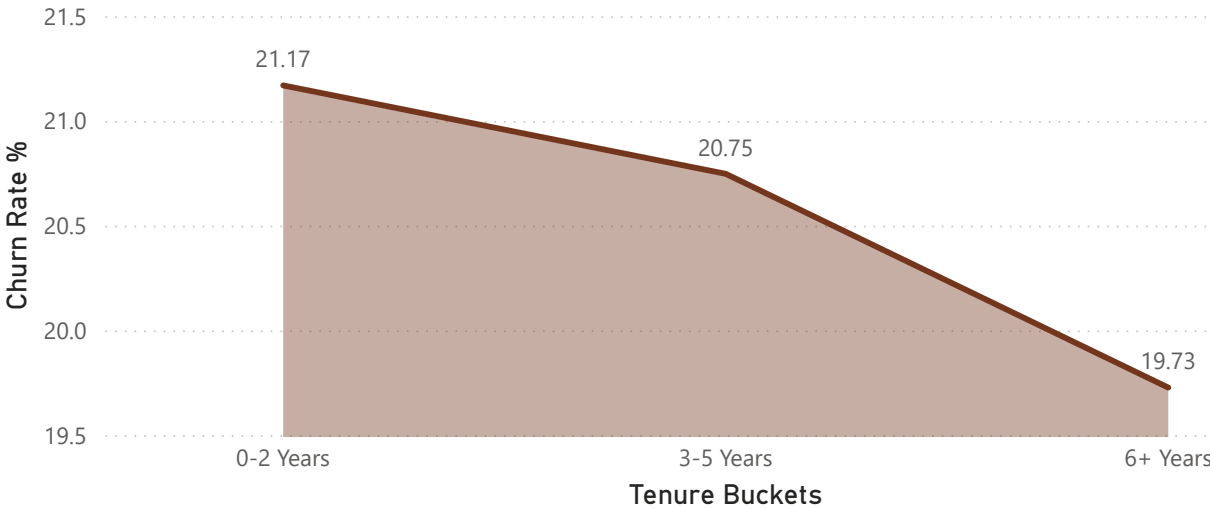
Quick measure

## Churn Rate by Number of Products

Exited ● 0 ● 1

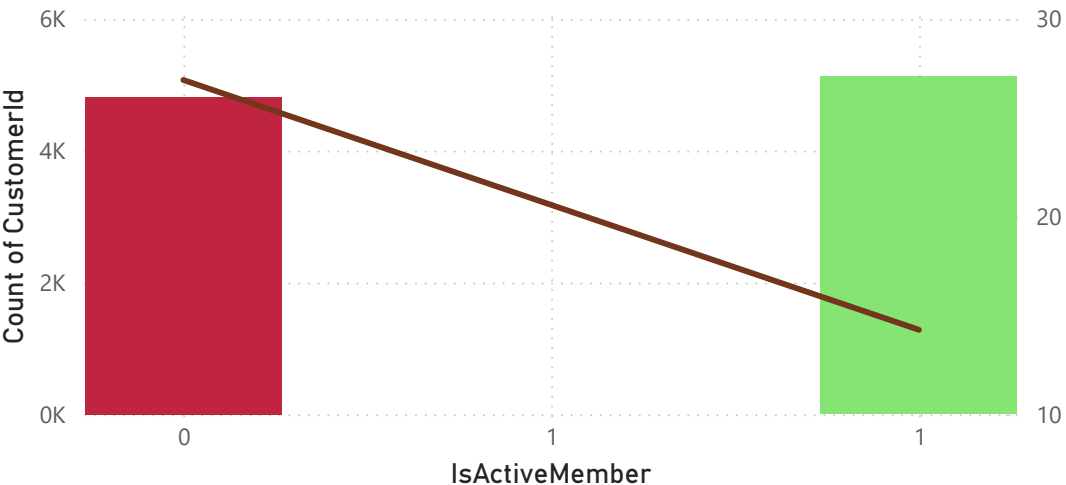


## Churn Rate by Tenure Buckets



## Activity Status vs. Churn Rate

● Count of CustomerId ● Churn Rate %



## Credit Card Ownership vs Churn

● Count of CustomerId ● Churn Rate %

