

Data Pipeline Report

File: churn.csv | Timestamp: 2025-08-23T14:45:16.313164

1. Data Validation Summary

Total Rows	100
Total Columns	14
Missing Values Found	0
Duplicate Rows Found	0

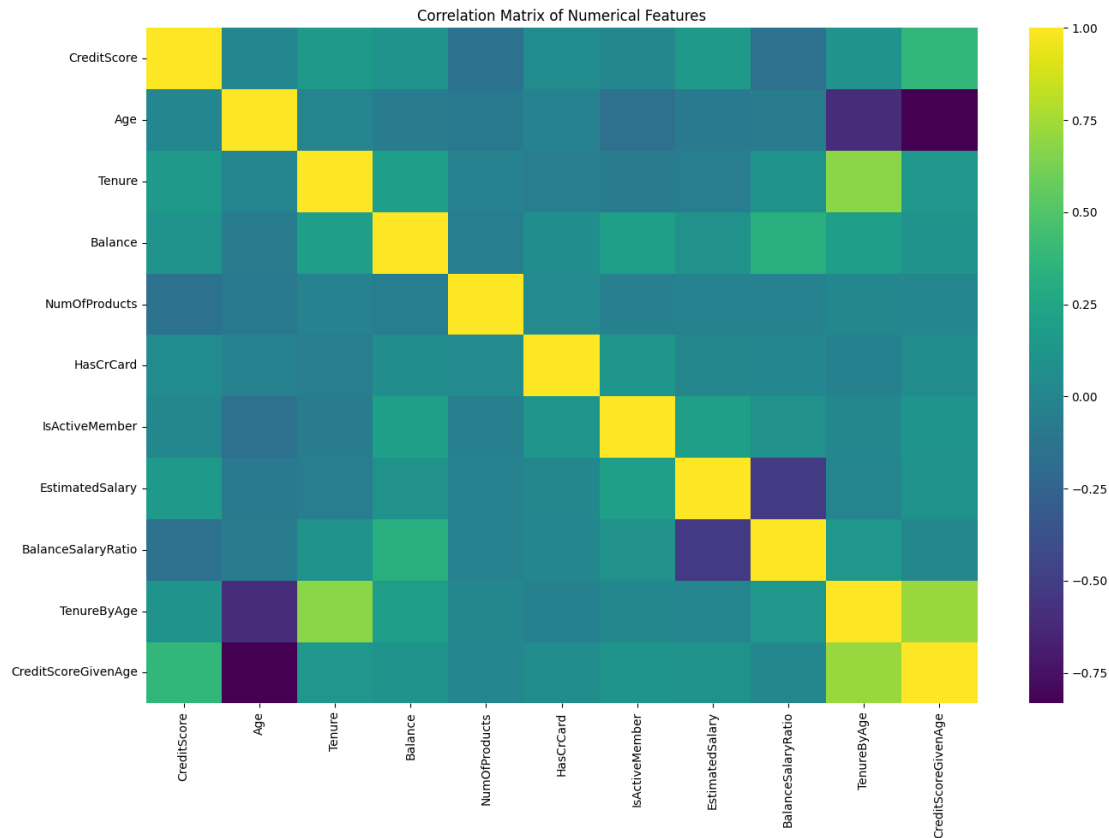
2. Feature Engineering Summary

Columns Dropped: RowNumber, CustomerId, Surname

Columns Created: BalanceSalaryRatio, TenureByAge, CreditScoreGivenAge

3. Exploratory Data Analysis

Correlation Heatmap



4. Final Processed Data

Shape of Final DataFrame: (100, 15)

Processed DataFrame Head:

CreditScore	Age	Tenure	Balance	NumOfProducts	HasCrCard	IsActiveMember
0.14	-0.06	1.29	0.2	1.09	1.08	-1.08
1.41	1.49	0.92	1.31	1.09	1.08	-1.08
-1.43	0.55	0.56	-0.12	1.09	1.08	0.92
1.32	-1.09	0.56	-0.8	-0.18	1.08	-1.08
0.08	1.02	1.29	-1.15	-1.45	-0.92	-1.08