## **Exploratory Data Analysis Report**

File: sample\_retail\_dataset.csv

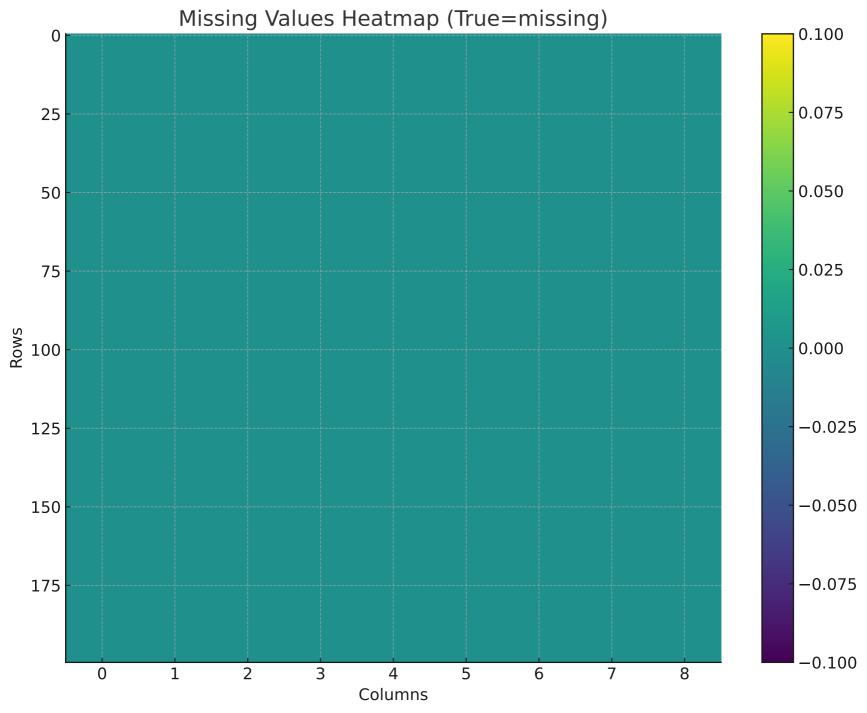
Generated on: 2025-09-04 12:16:37

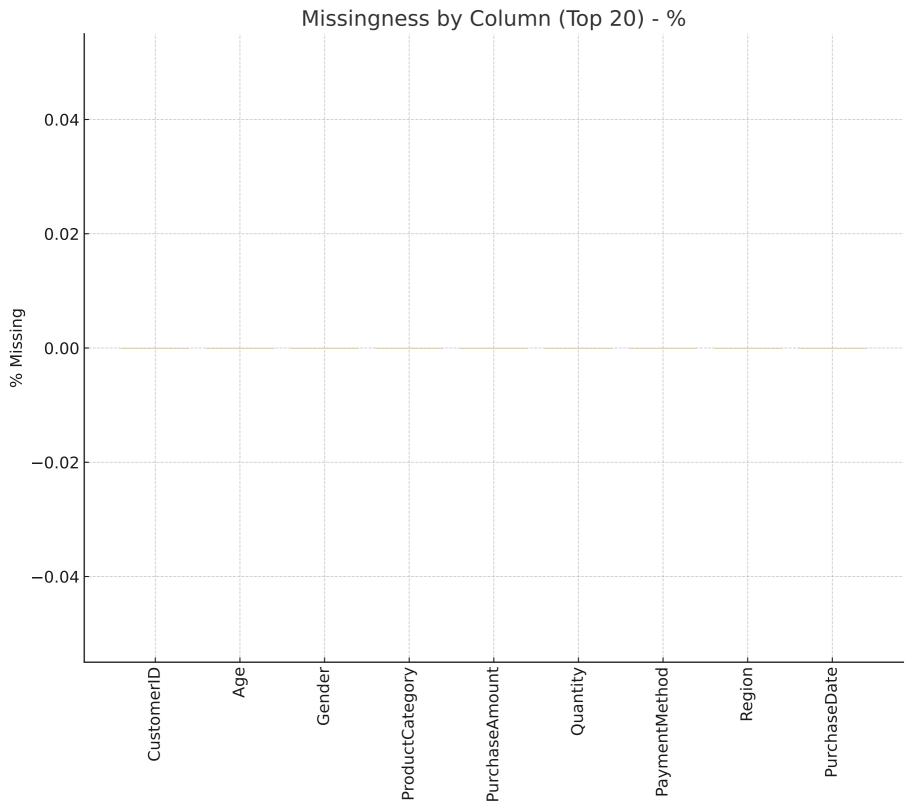
## Summary: - Rows: 200

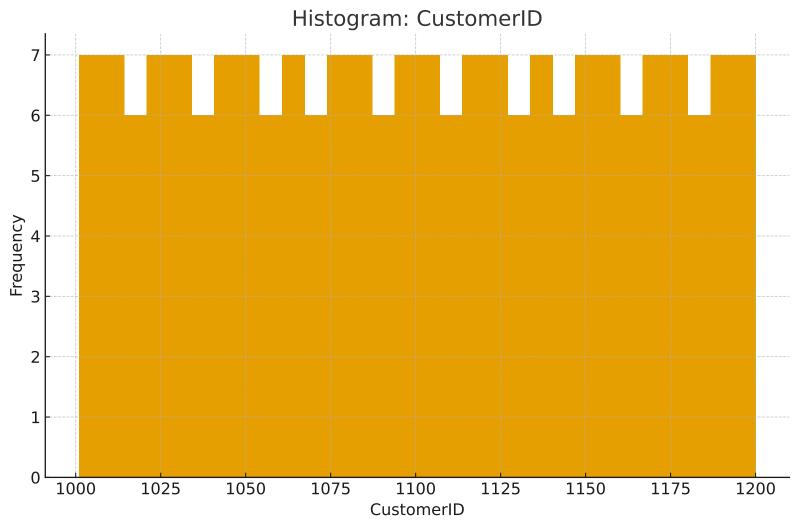
- Columns: 9

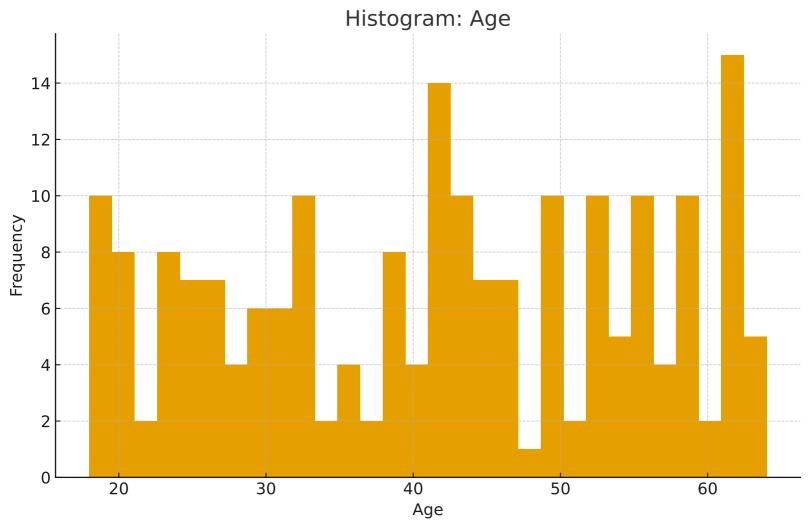
Numeric columns: 4Categorical columns: 5

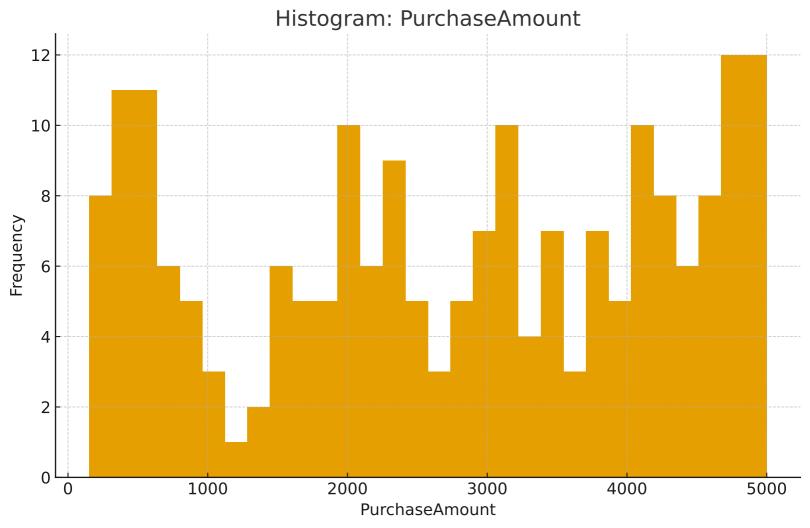
DataFrame .info() (excerpt): <class 'pandas.core.frame.DataFrame'> RangeIndex: 200 entries, 0 to 199 Data columns (total 9 columns): Non-Null Count Dtype Column CustomerID 200 non-null int64 1 Age 200 non-null int64 2 Gender 200 non-null object 3 ProductCategory 200 non-null object 4 PurchaseAmount 200 non-null float64 5 Ouantity 200 non-null int64 6 PaymentMethod 200 non-null object Region 200 non-null object PurchaseDate 200 non-null object dtypes: float64(1), int64(3), object(5) memory usage: 14.2+ KB

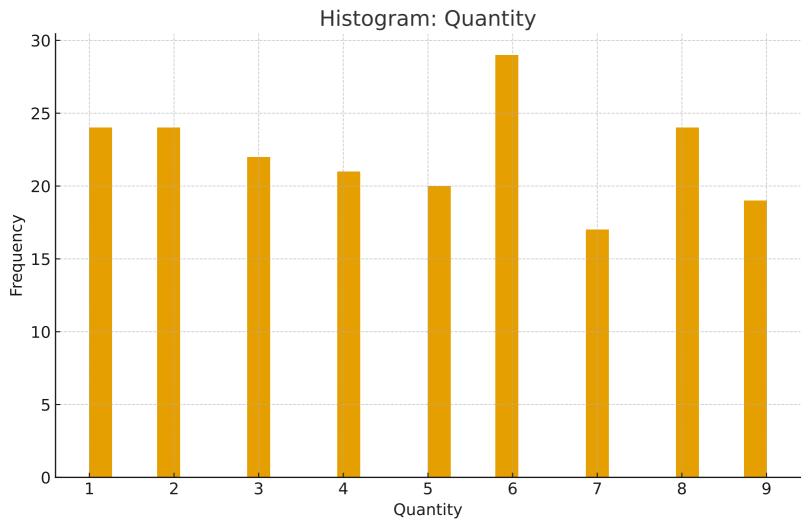


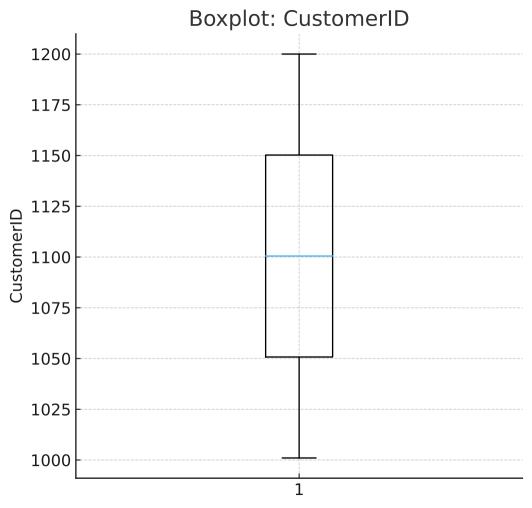


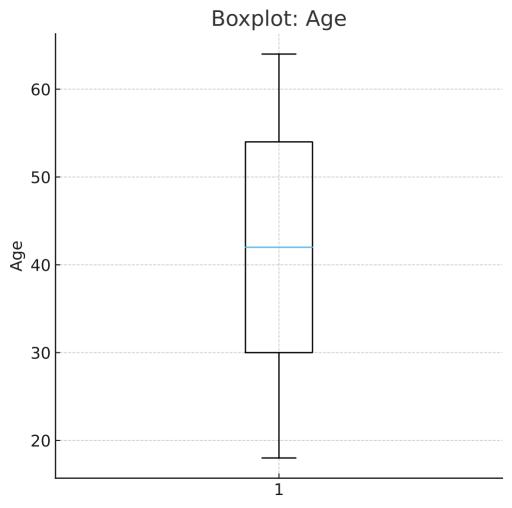


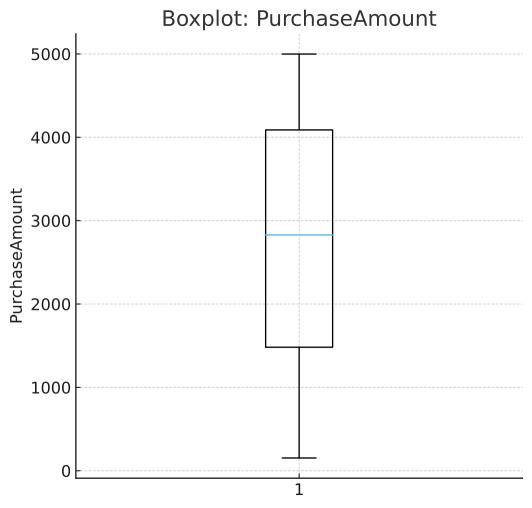


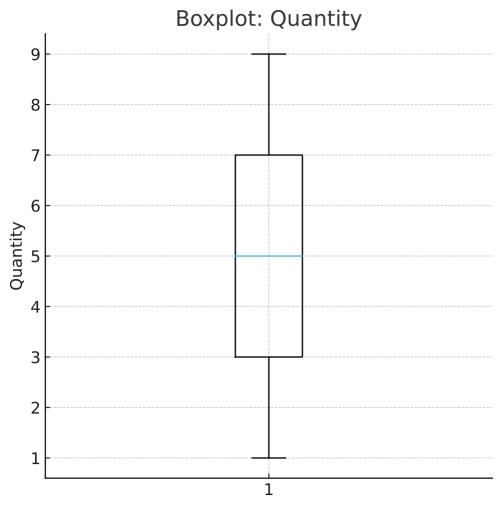


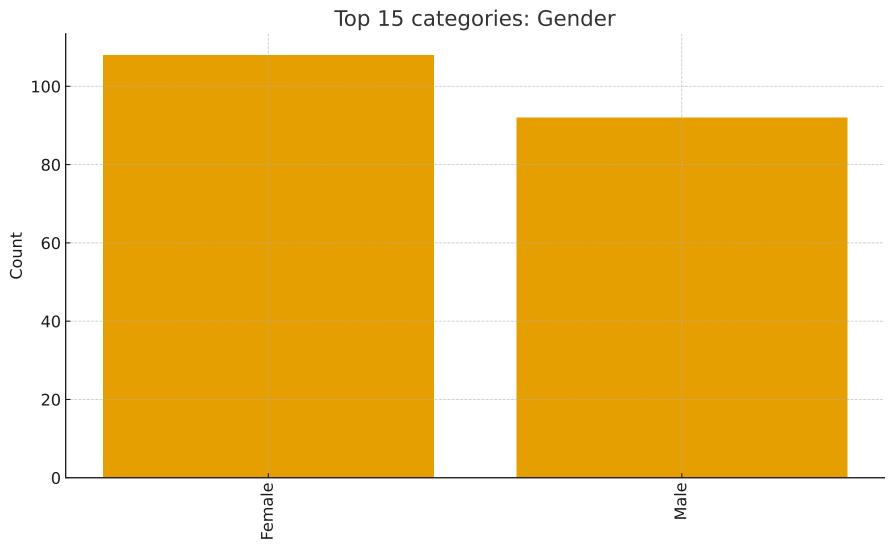


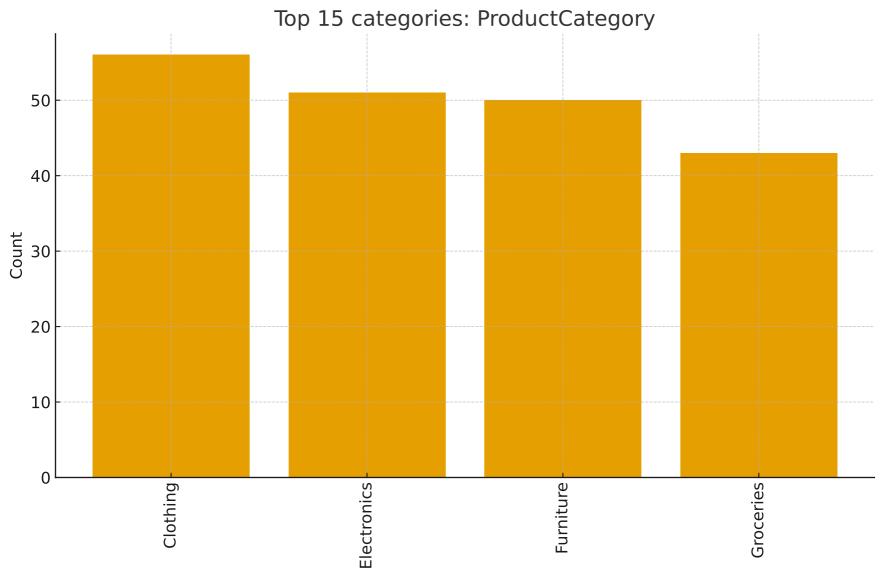


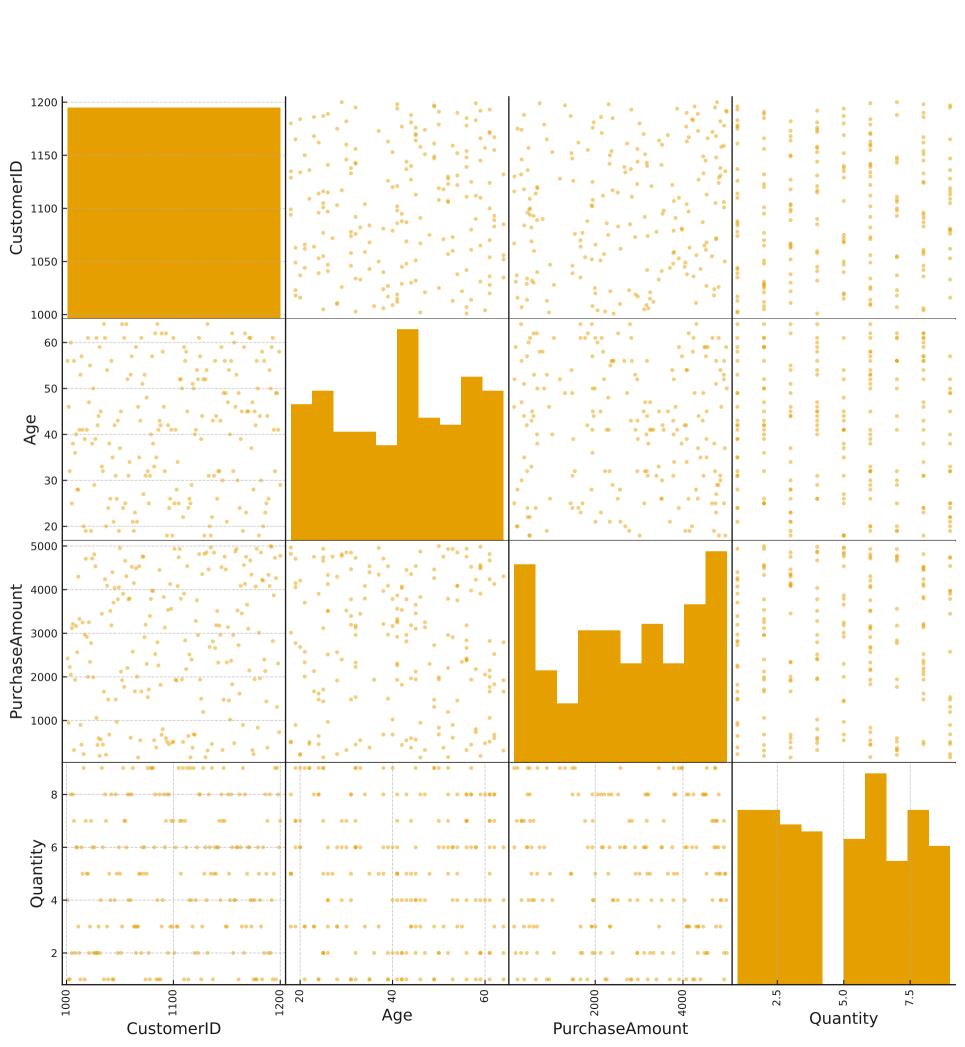


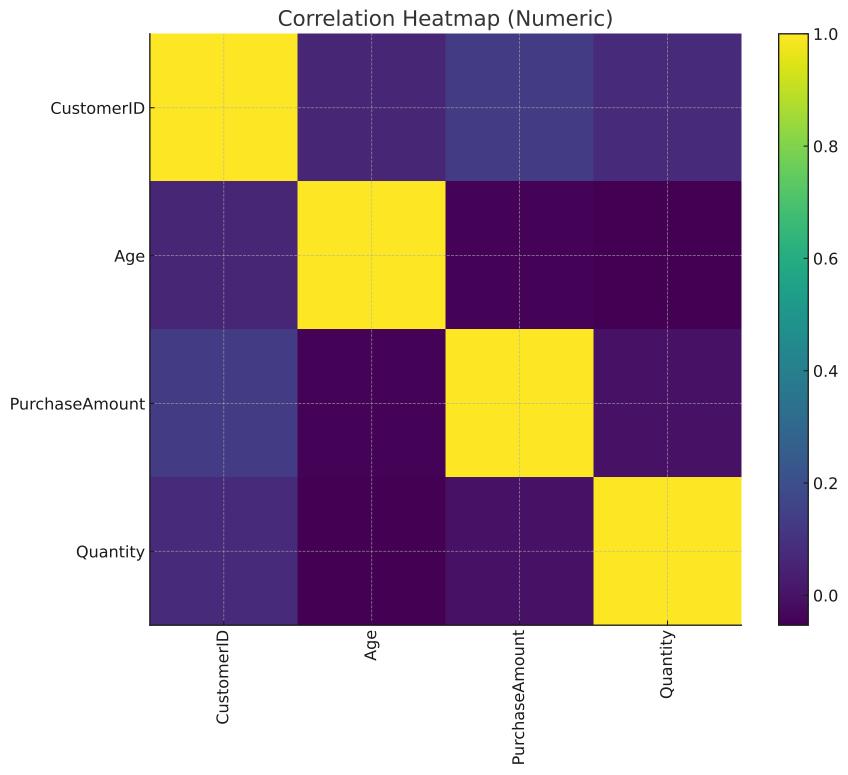












## Key Textual Summaries

Skewness (numeric):

CustomerID 0.000000 Age -0.090408 PurchaseAmount -0.167656 Quantity 0.025167

Outlier counts by column (IQR method):

CustomerID 0 Age 0 PurchaseAmount 0 Quantity 0