

Summary of Findings:

1. Data Overview:

- The merged dataset contains 1,000 transactions across 4 product categories: Books, Electronics, Home Decor, and Clothing.
- No missing values are present in any of the columns.

2. Top Categories:

- The most popular product category is **Books** (270 transactions), followed by Electronics (254), Home Decor (248), and Clothing (228).

3. Regional Distribution:

- Most customers are from **South America** (304 transactions), followed by North America (244), Europe (234), and Asia (218).

4. Sales Trends:

- A clear upward trend in sales is observed over the year, with January 2024 having the highest transaction volume.

5. Customer Insights:

- 199 unique customers participated in the transactions, with some customers making multiple purchases.

Business Insights:

1. Top Product Categories:

- Books are the most popular category (270 transactions), followed by Electronics (254), Home Decor (248), and Clothing (228).

2. Regional Performance:

- South America leads in transactions (304), with North America (244), Europe (234), and Asia (218) following.

3. Sales Trends:

- A consistent upward trend in sales is evident, peaking in January 2024.

4. Average Transaction Value:

- Regions vary significantly in spending, with the highest average transaction values in North America.

5. Customer Retention:

- Approximately **93.97%** of customers made repeat purchases, indicating retention opportunities.