Exploratory Data Analysis

There are three datasets - Customers, Products and Transactions

Customers

There are no missing values or duplicates in Customers There are 4 unique Regions. - South America, Europe, North

America. Asia

Products

There are no missing values or duplicates in Products. There are 4 unique Categorys - ['Books', 'Electronics', 'Home Decor', 'Clothing']

Transactions

There are no missing values or duplicates in Transactions.

Business Insights

- 1. South America has the most number of transactions, followed by N America and Europe.
- 2. The most common category is Books, then Electronics and Home Decor.
- 3. The most common product is ActiveWear Smartwatch, followed with SoundWave Headphones and BookWorld Biography.
- 4. In Asia, Clothing is preferred. In Europe, Home Decor is preferred. In the Americas, Books are popular.
- 5. The most common region for all categories is south America, this could be since South America has the most transactions and most customers.

6.

- S. America spends the most , and Asia spends the least.
- 7. Books category has the most sales, followed with Electronics and Clothing.
- 8. The average customer from South America spends the most, and the customer from North America spends the least.
- 9. The top 10 most-spending customers all are from South America.
- 10. The most sales occur between May to July and in December.
- 11. Monthly spending Trends -
- · South America spends the most in July.
- · North America spends the most in April.
- Europe spends the most in January, September and December.
- · Asia spends the most in January and July.