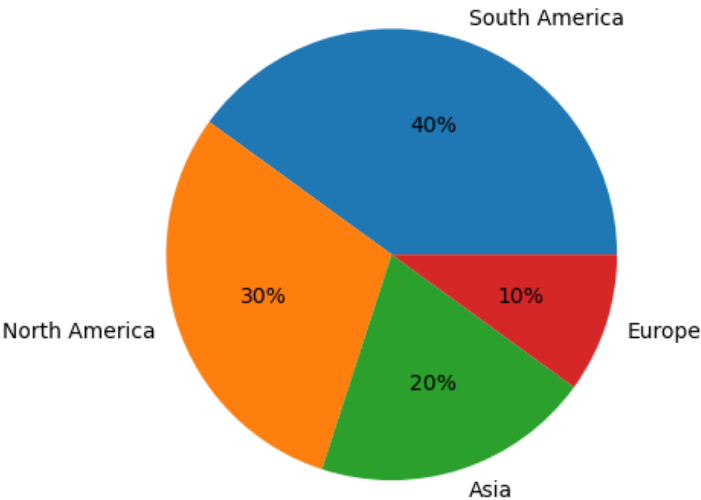


1. Top Customers and Revenue Contribution

Insight: North America contributes significantly to top customers charts where as we have only few top customers from Europe.

	CustomerName	Region	SignupDate	No of Purchases so far	TotalValue
CustomerID					
C0141	Paul Parsons	Europe	2023-02-23	10	10673.87
C0054	Bruce Rhodes	Asia	2024-09-29	8	8040.39
C0065	Gerald Hines	North America	2024-07-10	10	7663.70
C0156	William Adams	North America	2023-08-19	11	7634.45
C0082	Aimee Taylor	South America	2022-05-13	7	7572.91
C0188	Anna Ball	South America	2022-05-17	8	7111.32
C0059	Mrs. Kimberly Wright	North America	2024-04-07	8	7073.28
C0028	Jennifer Pena	Asia	2024-06-29	8	6819.57
C0099	Rodney Eaton	South America	2023-01-29	8	6715.72
C0165	Juan Mcdaniel	South America	2022-04-09	9	6708.10



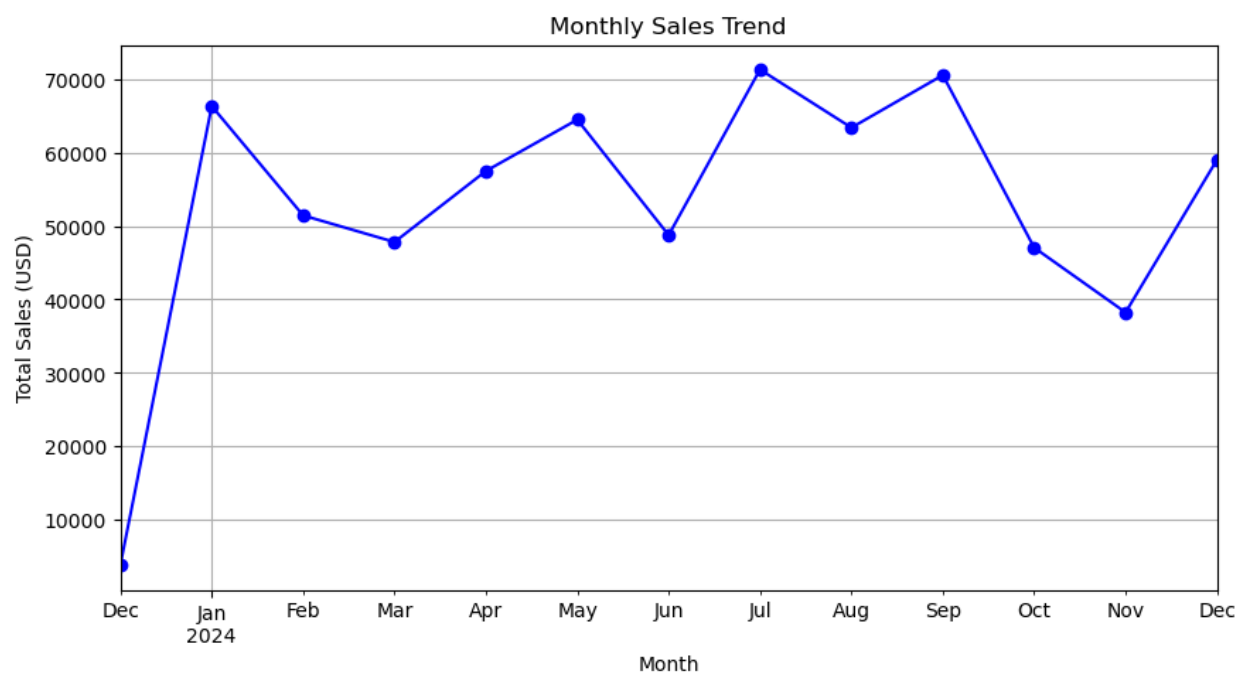
Recommendation: focusing on regions with lower revenue like Europe through targeted marketing campaigns.

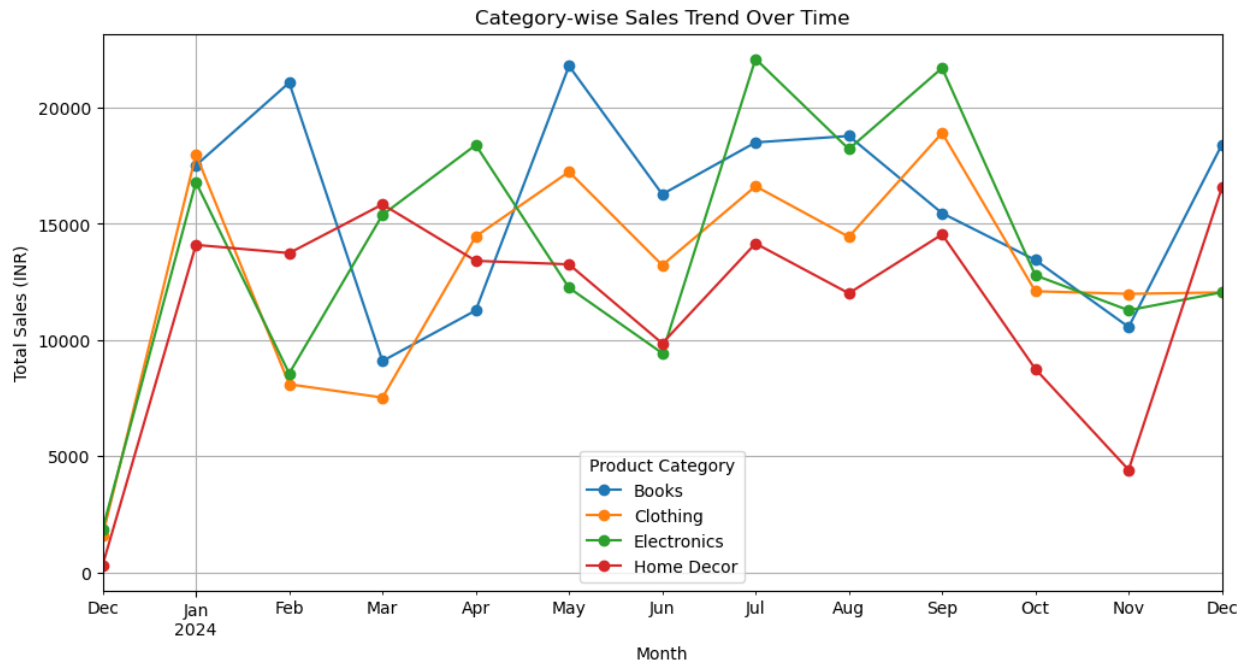
2. Customer Retention and Churn Rate

Insight: Analysis shows that approximately **94%** of customers are repeat buyers, while **6%** are one-time purchasers. This suggests we have an excellent customer engagement strategy.

3. Product Demand and Seasonality

Insight: Electronics sees a **50% increase in sales during Q3**, indicating back-to-college driven demand.





4. Category-wise Performance and Average Order Value (AOV)

Insight: High-priced product categories, such as **Electronics**, contribute the most to revenue but have a lower order frequency. Meanwhile, **Low-cost items**, like **Accessories**, have frequent sales but lower revenue contribution.

Average Order Value by Region:

Region	Average Order Value
Asia	697.591606
Europe	710.489872
North America	624.235246
South America	721.554474

dtype: float64

Average Order Value by Category:

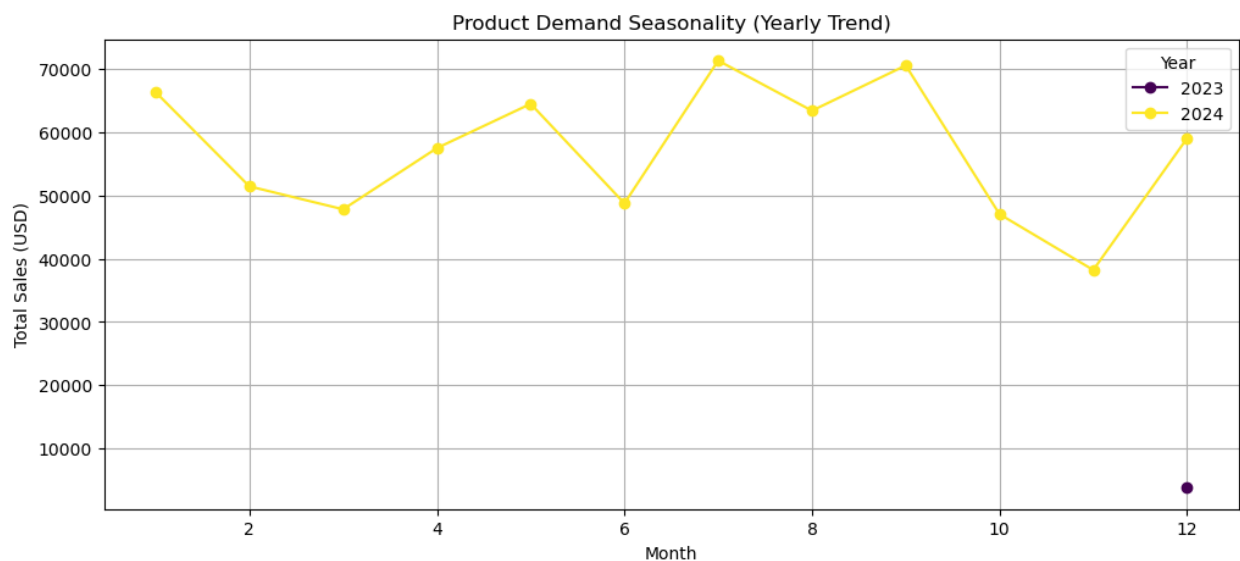
Category	Average Order Value
Books	711.657296
Clothing	728.818684
Electronics	711.746063
Home Decor	608.443266

dtype: float64

Recommendation: Introduce cross-selling strategies by bundling high and low-value items. Additionally, offering bulk discounts can encourage higher spending per transaction.

5. Monthly Sales Trends

Insight: highest sales appear to center around mid-year, pointing to potential seasonal demand.



Conclusion

By addressing regional opportunities, enhancing customer engagement, and implementing targeted marketing strategies, we can effectively drive growth and optimize our overall performance.