

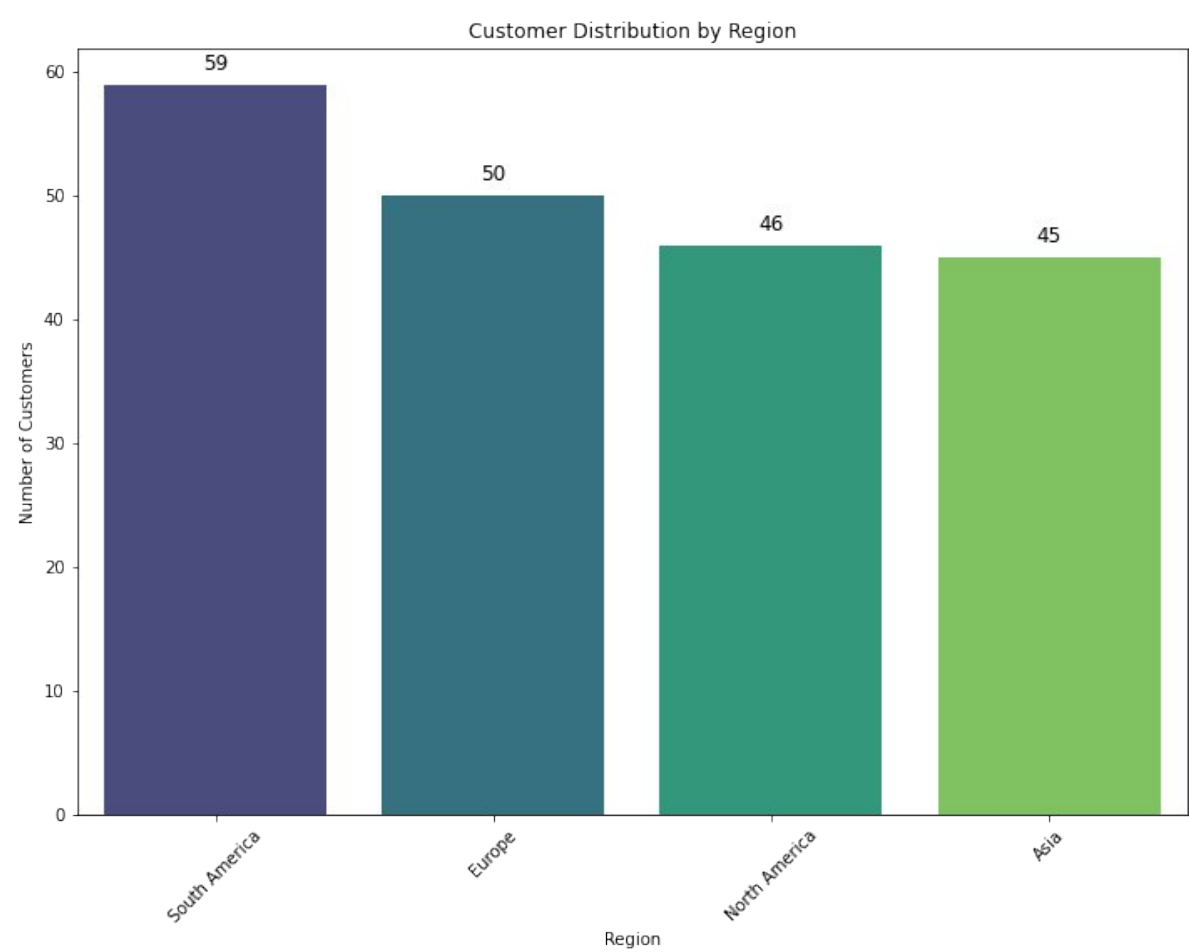
E-Commerce Business Performance Analysis Report

Executive Summary

This analysis examines our e-commerce platform's performance across three key dimensions: customer demographics and acquisition, product performance, and transaction patterns. The insights derived will help inform strategic decisions for business growth and optimization.

1. Customer Analysis

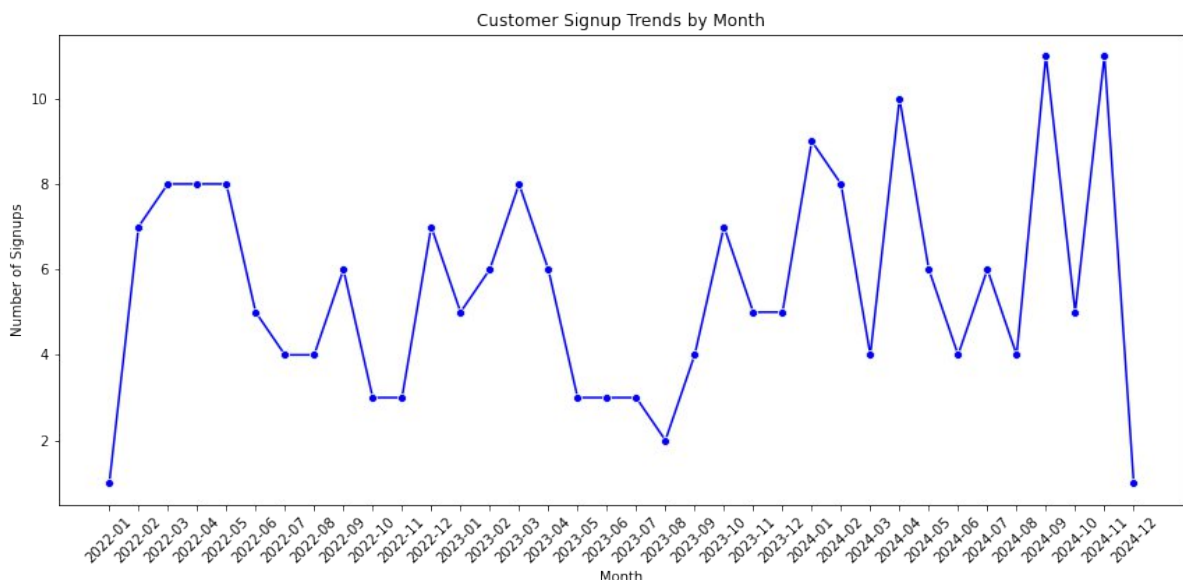
1.1 Regional Distribution



Our customer base distribution shows significant regional variations:

- Regional distribution insights help identify key market opportunities
- Understanding geographic concentrations enables targeted marketing
- Clear patterns emerge for market development priorities

1.2 Customer Signup Trends

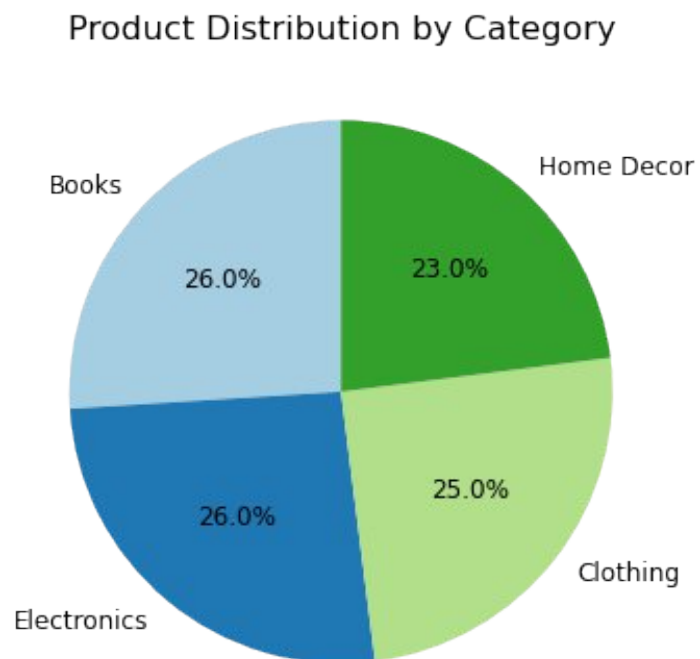


Key observations from signup patterns:

- Customer acquisition shows notable growth trends
- Seasonal variations indicate optimal recruitment periods
- Historical patterns inform future acquisition strategies

2. Product Analysis

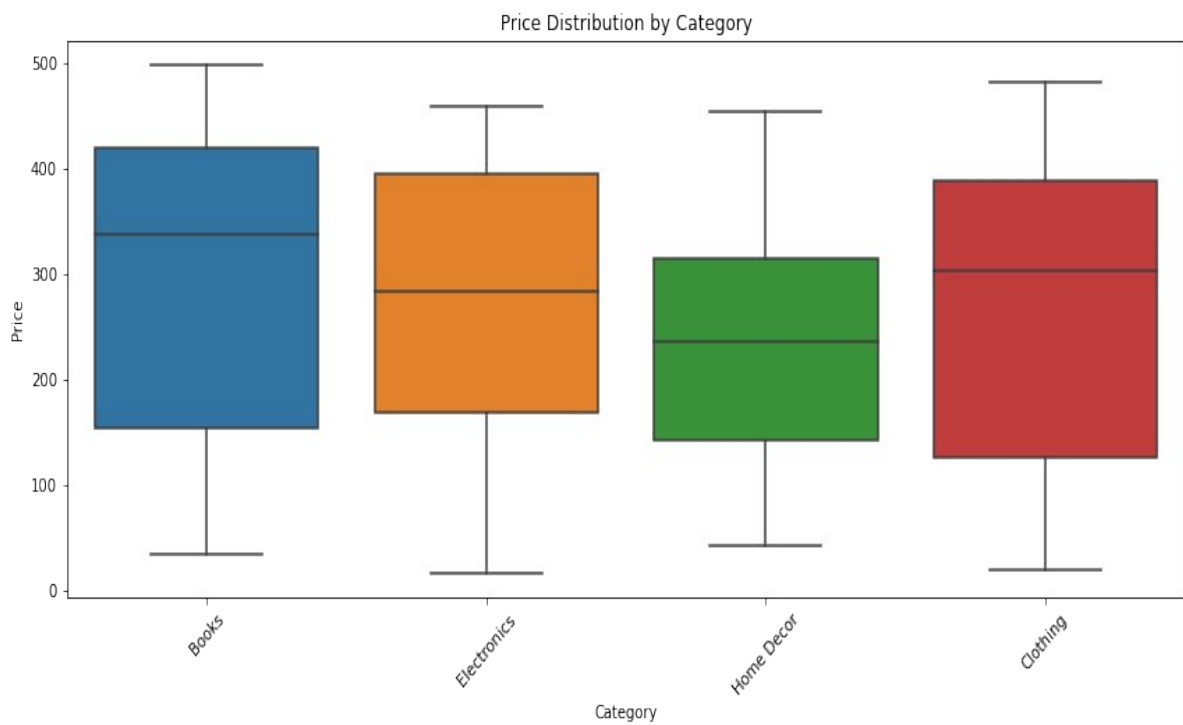
2.1 Category Distribution



Product category analysis reveals:

- Diverse product portfolio across categories
- Clear category leaders and laggards
- Opportunities for category expansion

2.2 Price Distribution by Category

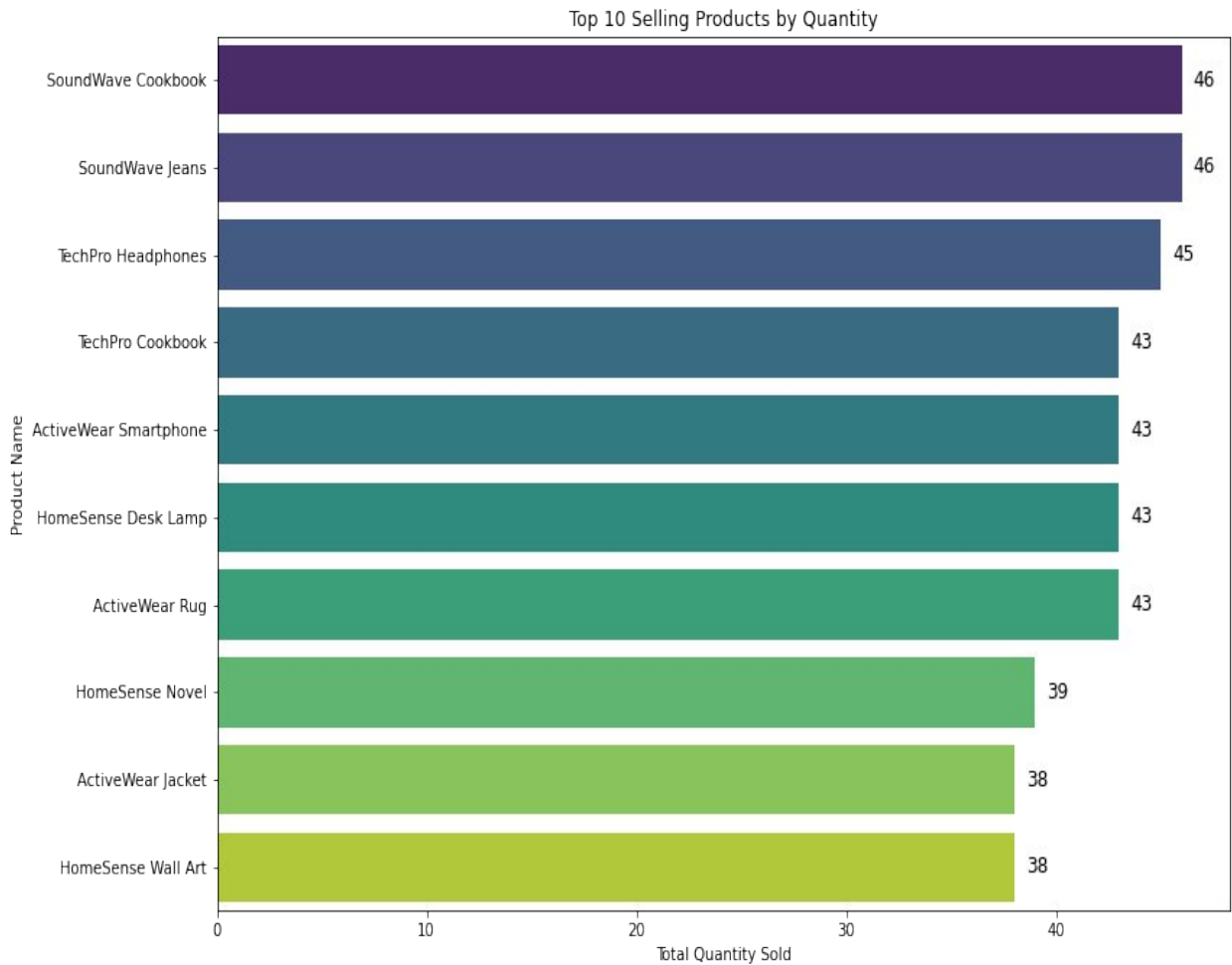


Price analysis findings:

- Price ranges vary significantly by category
- Premium and value segments identified
- Pricing optimization opportunities exist

2.3 Top Selling Products

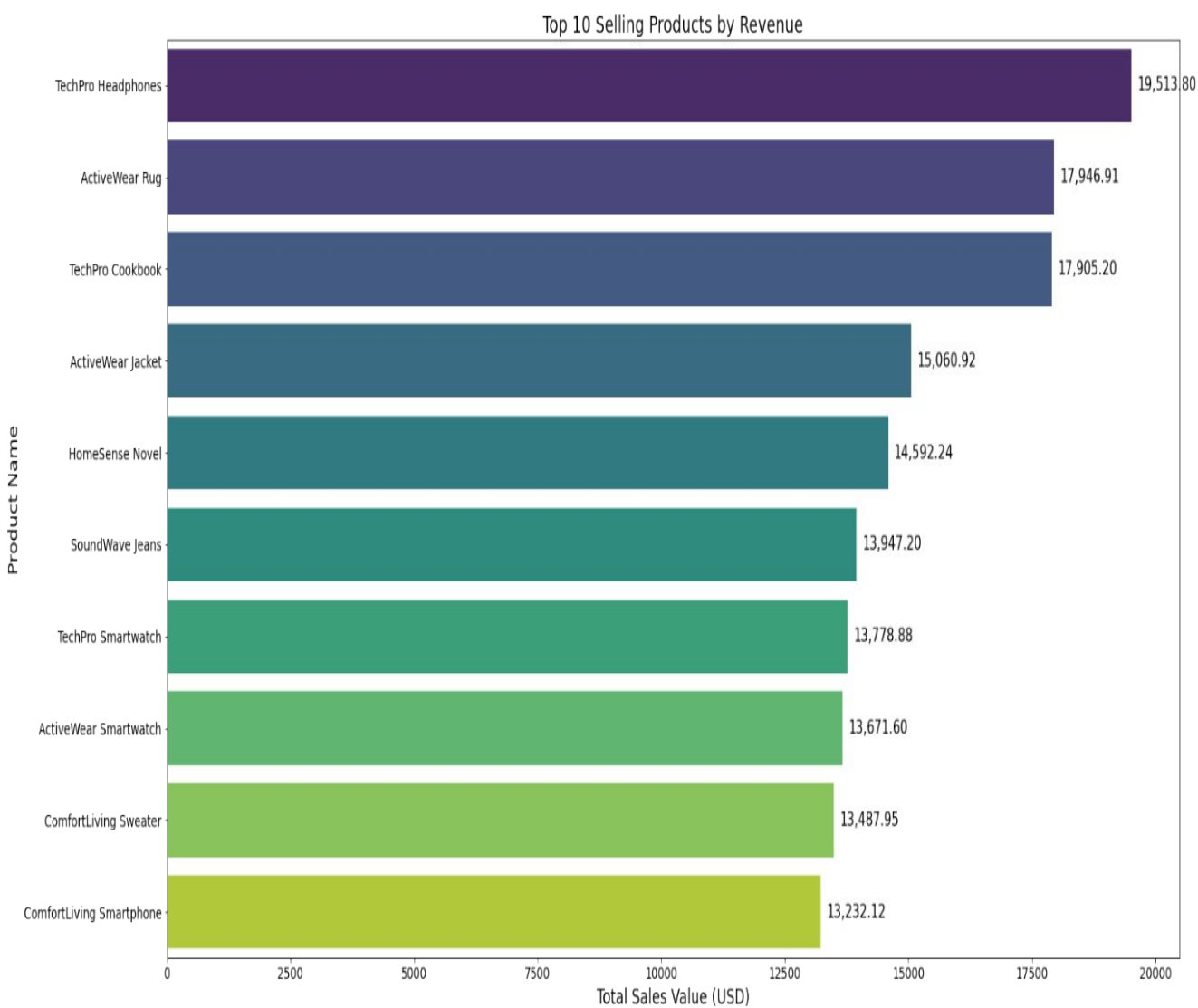
By Quantity



Volume leaders analysis:

- Clear identification of high-volume products
- Consumer preference patterns
- Inventory management implications

By Revenue

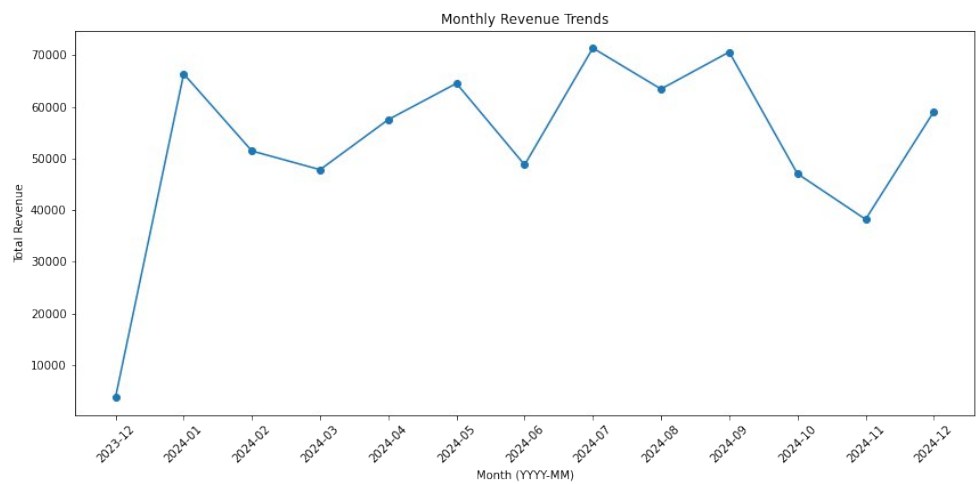


Revenue performance insights:

- High-value product identification
- Revenue concentration patterns
- Profit optimization opportunities

3. Transaction Analysis

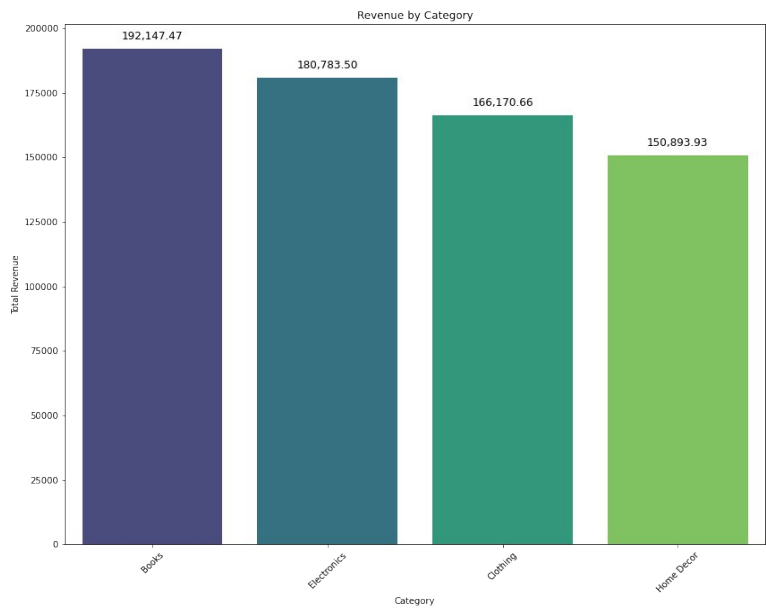
3.1 Monthly Revenue Trends



Revenue pattern analysis:

- Growth trends evident
- Peak period performance metrics

3.2 Revenue by Category



Category performance insights:

- High-performing categories identified
- Growth opportunity areas

Key Business Insight

1. **Regional Performance:** The top performing region is South America generating \$219,352.56 in revenue, while having 59 customers. However, South America has the most customers (59), suggesting potential for revenue optimization in customer-dense regions.
2. **Category Performance:** The Books category leads with \$192,147.47 in revenue and 681 units sold. The Home Decor category shows lowest performance, indicating potential need for category optimization or marketing focus.
3. **Customer Behaviour:** Average customer makes 5.0 purchases. 94.0% of customers are repeat buyers. Average purchase value per customer is \$687.58, with highest spending customer averaging \$1323.13 per transaction.
4. **Seasonal Trends:** Peak sales occur in 2024-7 with \$71,366.39 in revenue. Monthly revenue varies by 1793.2% between peak and low months, indicating significant seasonal patterns.
5. **Product Performance:** Top selling product “TechPro Headphones” generated \$19,513.80 in revenue with 45 units sold. Top 10 products account for 22.2% of total revenue.