

Customer Shopping Behavior Analysis

Analyzing 3,900 purchases to optimize business decisions.





Project Overview

Goal

Uncover insights into spending patterns, segments, and preferences.

Data

Transactional data from 3,900 purchases across categories.

Impact

Guide strategic business decisions for future growth.



Dataset Summary

3,900 Rows

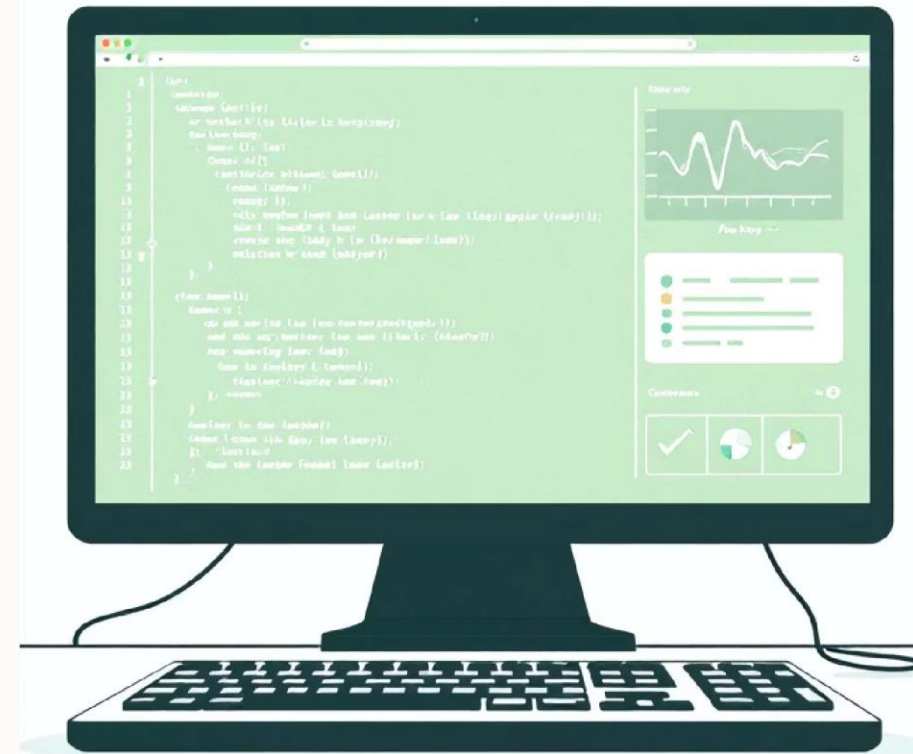
Comprehensive purchase records.

18 Columns

Key features: demographics, purchase details, behavior.

Missing Data

37 values in Review Rating column.



Data Analysis (SQL)

1

Revenue by Gender

Male: \$157,890, Female: \$75,191

2

High-Spending Discount Users

839 customers identified.

3

Top 5 Products by Rating

Gloves (3.86), Sandals (3.84), Boots (3.82), Hat (3.80), Skirt (3.78).

4

Shipping Type Comparison

Standard: \$58.46, Express: \$60.48.

SQL Insights: Subscriptions & Discounts

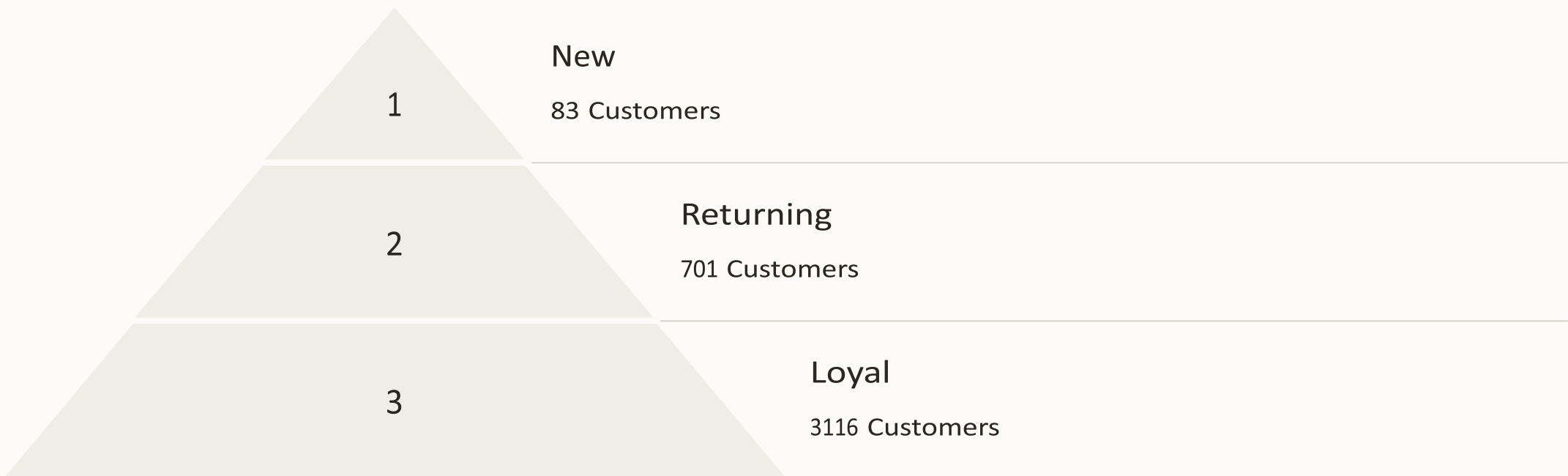
Subscribers vs. Non-Subscribers

Yes	1053	\$59.49	\$62,645
No	2847	\$59.87	\$170,436

Discount-Dependent Products

- Hat: 50.00%
- Sneakers: 49.66%
- Coat: 49.07%
- Sweater: 48.17%
- Pants: 47.37%

Customer Segmentation





Top Products per Category

Accessories

Jewelry, Sunglasses, Belt

Clothing

Blouse, Pants, Shirt

Footwear

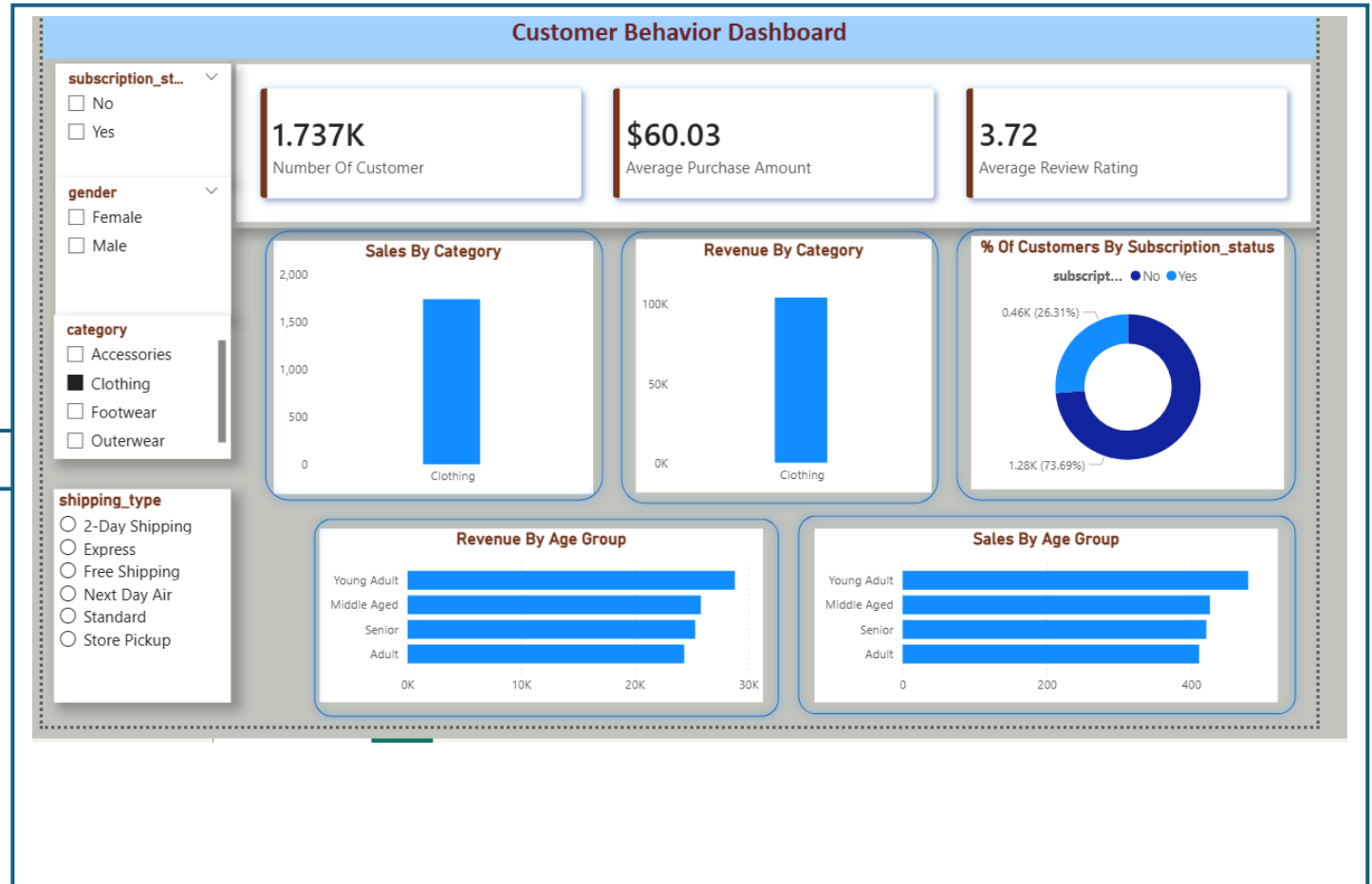
Sandals, Shoes, Sneakers

Outerwear

Jacket, Coat

Power BI Dashboard

Interactive visualizations for deeper
insights.



Business Recommendations

- Boost Subscriptions
Promote exclusive benefits.
- Customer Loyalty Programs
Reward repeat buyers.
- Review Discount Policy
Balance sales with margin control.
- Product Positioning
Highlight top-rated products.
- Targeted Marketing
Focus on high-revenue groups.