

# THE INSIGHTS

### **DEMOGRAPHICS**

#### Gender

- Both male and female customers are represented.
- The dataset includes a slight skew towards female customers, though both genders are present across all income and spending clusters.

#### Age

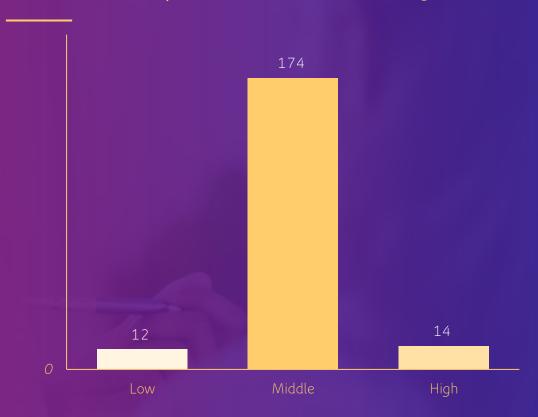
- Age range: 18 to 70, with a broad representation of different age groups.
- A higher concentration of younger customers
   (20-30) with a <u>relatively higher spending</u>
   <u>tendency</u>.
- Older customers (50-70) tend to have <u>lower</u> <u>spending</u>, with some exceptions where they show high incomes but moderate spending.

### **DEMOGRAPHICS**

#### Annual Income

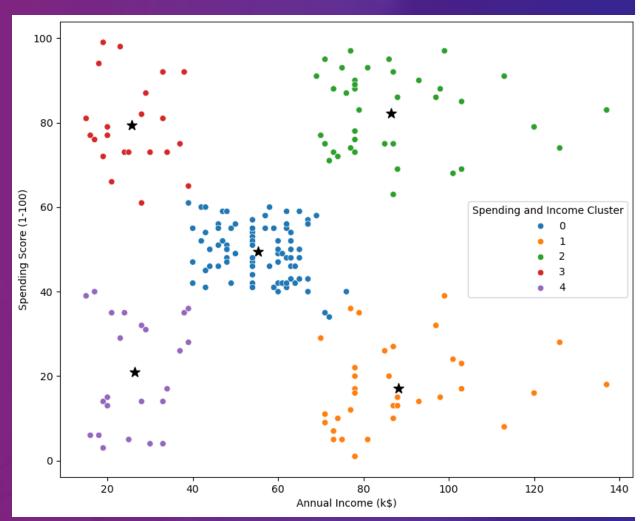
- Customers range from low-income (under \$20k) to high-income (above \$100k).
- Low-income clusters are typically found at the bottom end of the income range.
- Higher-income clusters are observed above \$100k, with many customers in the \$50k to \$70k range.

#### Number of People in Each Income Range



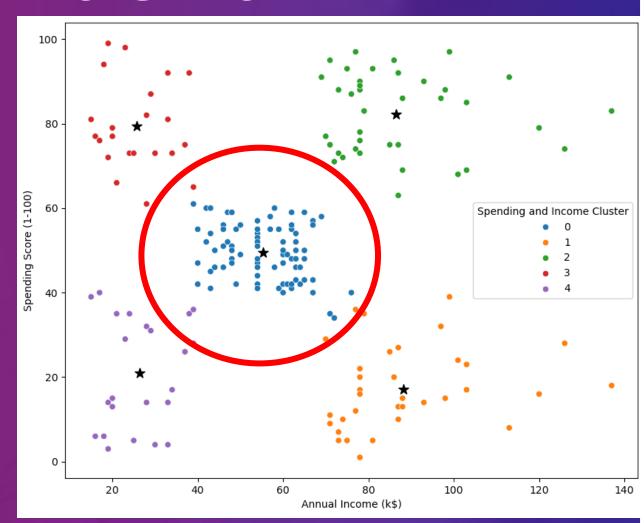
#### We Have 5 Clusters:

- 1. Cluster O (Blue) Balanced
- Cluster 1 (Orange) High-Income, Low-Spending Group
- 3. Cluster 2 (Green) High-Income, High-Spending Group
- 4. Cluster 3 (Red) Low-Income, High-Spending Group
- 5. Cluster 4 (Purple) Low-Income, Low-Spending Group



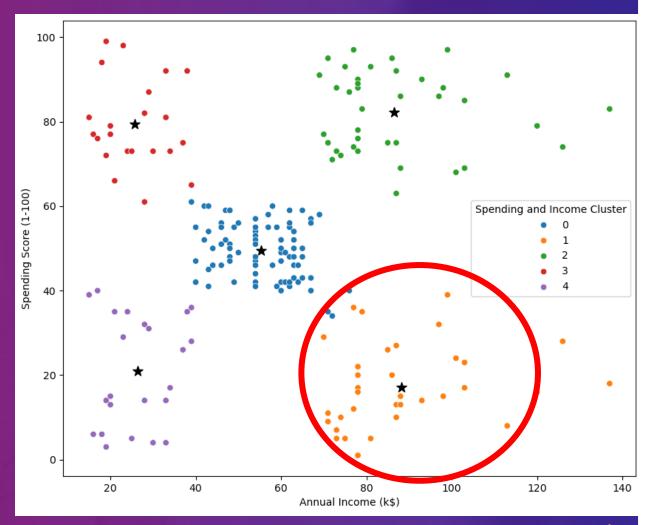
#### Cluster O (Blue) - Balanced:

- Demographics: 59% Female, 41% Male.
- Age: Average age of 42.7 years.
- Income & Spending: Moderate annual income (\$55.3k) and spending score (49.5).
- Position on Plot: Central cluster, showing balanced consumer behavior.



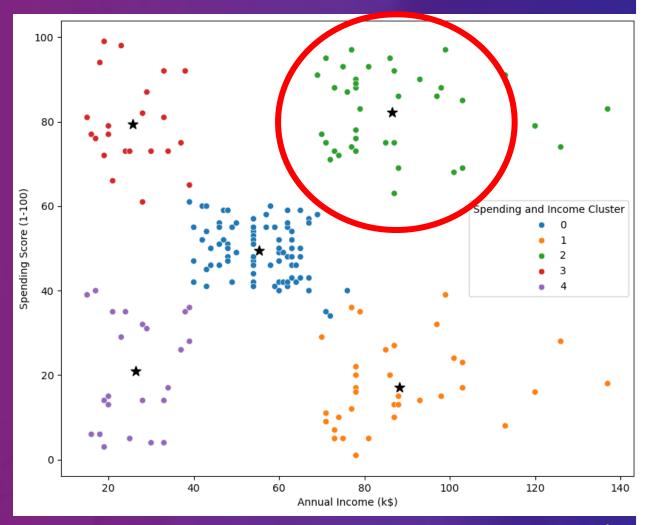
Cluster 1 (Orange) - High-Income, Low-Spending Group:

- Demographics: 46% Female, 54% Male.
- Age: Average age of 41.1 years.
- Income & Spending: High income (\$88.2k) but low spending score (17.1).
- Position on Plot: Bottom-right, indicating financial conservatism despite high earning.



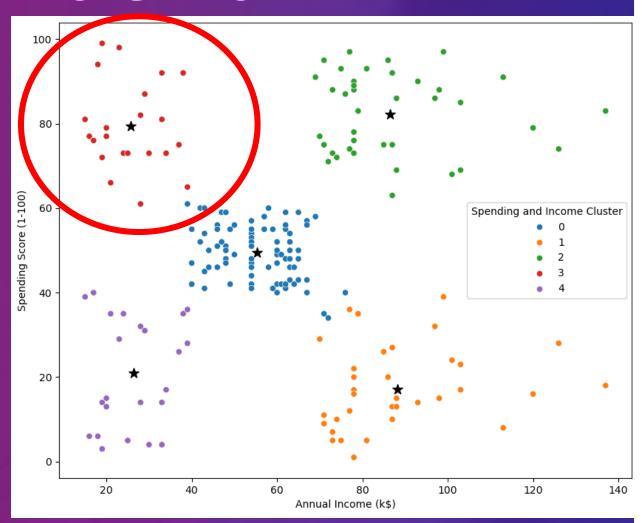
Cluster 2 (Green) - High-Income, High-Spending Group:

- Demographics: 54% Female, 46% Male.
- Age: Younger average of 32.7 years.
- Income & Spending: High income (\$86.5k) and high spending score (82.1).
- Position on Plot: Top-right, representing affluent and active spenders.



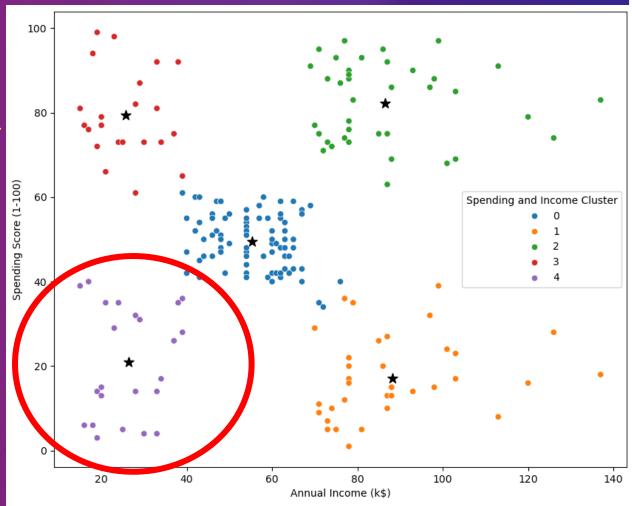
Cluster 3 (Red) - Low-Income, High-Spending Group:

- Demographics: 59% Female, 41% Male.
- Age: Youngest group with an average age of 25.3 years.
- Income & Spending: Low income (\$25.7k) but high spending score (79.4).
- Position on Plot: Top-left, indicating impulsive spending behavior.



Cluster 4 (Purple) - Low-Income, Low-Spending Group:

- Demographics: 61% Female, 39% Male.
- Age: Older average of 45.2 years.
- Income & Spending: Low income (\$26.3k) and low spending score (20.9).
- Position on Plot: Bottom-left, representing financially conservative and budgetconscious consumers.



### **KEY OBSERVATIONS**

#### Income and Spending Correlation

- Clusters 2 (Green) and 3 (Red)
  display contrasting spending behaviors
  at similar income levels.
- Clusters 1 (Orange) and 4 (Purple)
  have conservative spending habits
  despite income differences.

#### Age Distribution

- Younger consumers (Cluster 3) show high spending irrespective of income.
- Older consumers (Clusters 0 and 4) are more balanced or conservative.

## **Strategic Recommendations**

Target **Cluster 2** (High-Income, High-Spending) for **premium product**marketing.

Explore <u>promotional strategies</u> to <u>engage</u> Cluster 3 (Low-Income, High-Spending) and convert impulsive buyers into loyal customers.

Design cost-effective products for Cluster 4 (Low-Income, Low-Spending) to meet their <u>budget constraints</u>.