Shopping Mall Trends in Istanbul

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Agenda

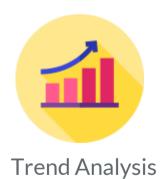
- 1. Context
- 2. Data Description
- 3. Data Analysis and Visualization
- 4. Conclusion

1.Context

Context

- Data from 10 shopping malls in Istanbul, Turkey
- Includes data from 2021 to 2023(March)
- Total of 12 variables





Questions

- 1. What types of customers do each mall have?
- 2. Which are the peak shopping seasons versus lower spending seasons?
- 3. What is the most popular payment method used in each mall and by which customers?
- 4. Who is spending more on which categories among Females and Males?
- 5. What are the most popular categories among different age groups?

2. Data Description

Variables

Non-numeric Variables

Invoice Number

Unique

Gender

Customer ID

Unique

Mall Name

Payment Method

Category

Item category

Invoice Date

Weekday

Numeric Variables

Quantity

Items per transaction

Price

 Unit price in Turkish Liras

Total

 Sale total in Turkish Liras Age

1 USD = 19.40 Turkish Liras

The Dataset

3 different payment methods

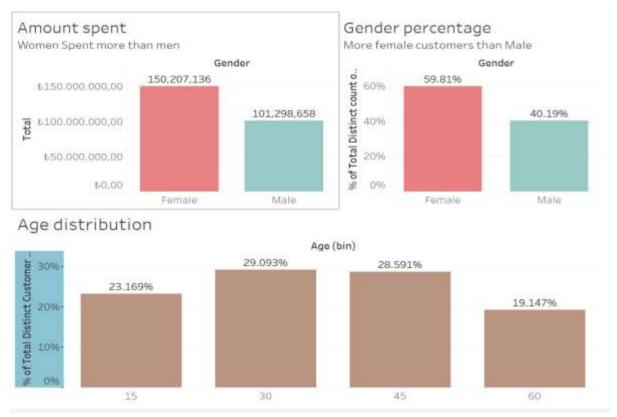
Average of 3 items per transaction

8 different product categories

Average transaction value of \$2,529

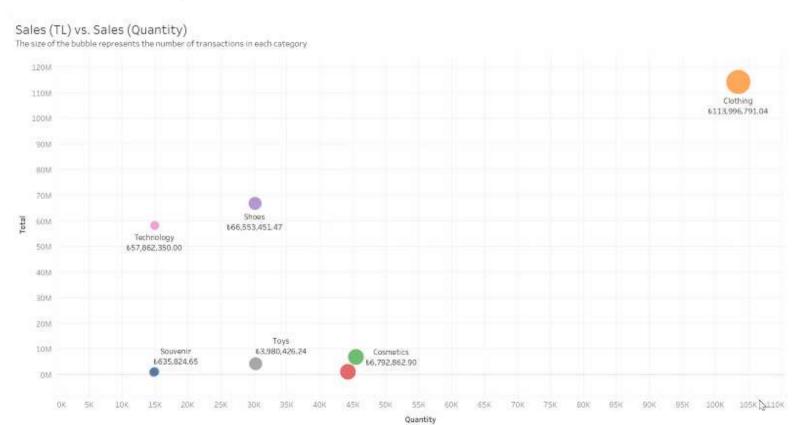
Total Sale Value = Quantity*Price

Data Description

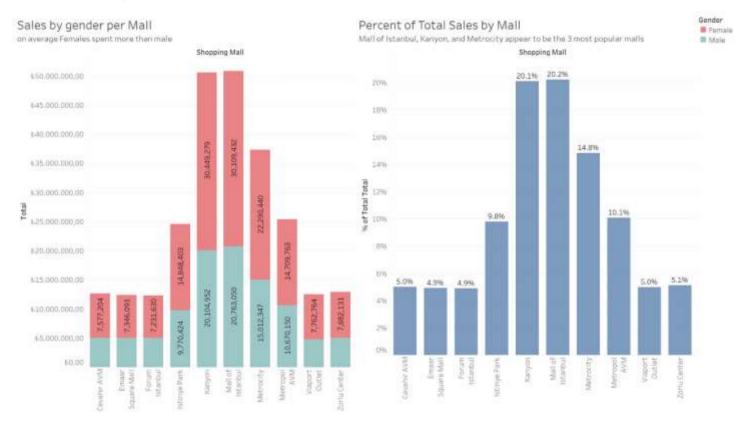


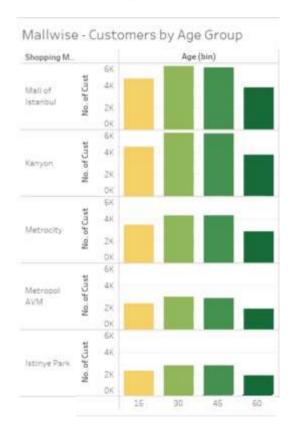
3. Data Analysis and Visualization

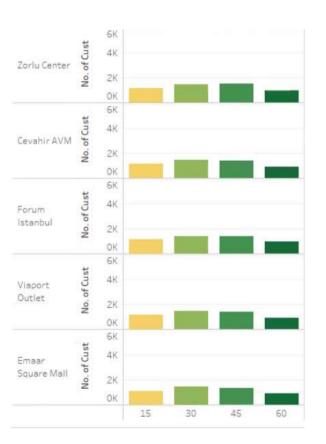




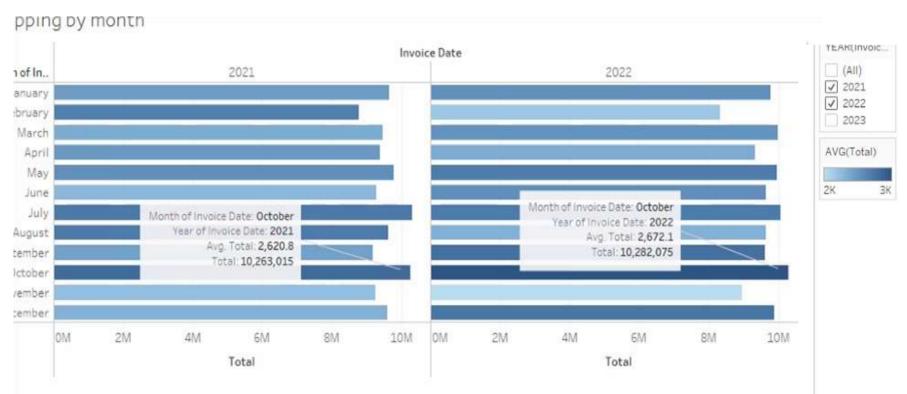
Q1. What types of customers does each mall have?





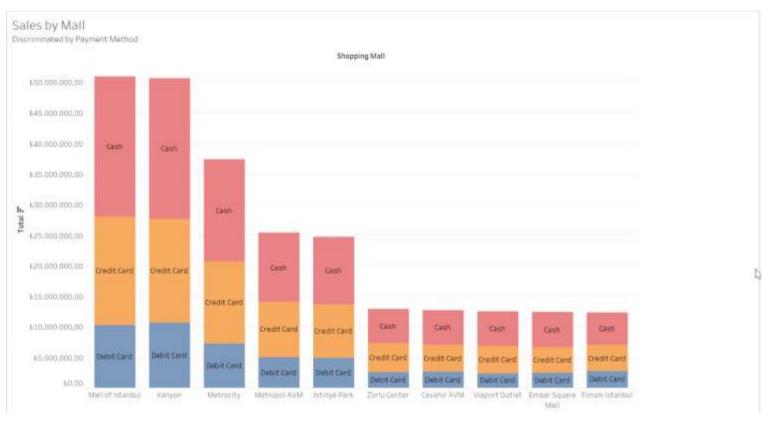


Q2. What are the peak shopping seasons?



Q3. Most popular payment method by mall and customers?

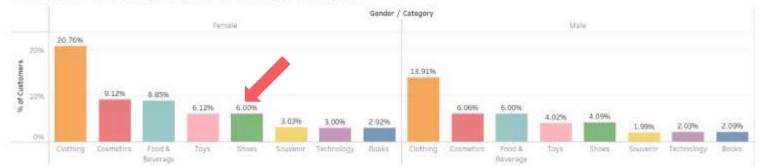




Q4. Who is spending more, on which categories, between males and females?

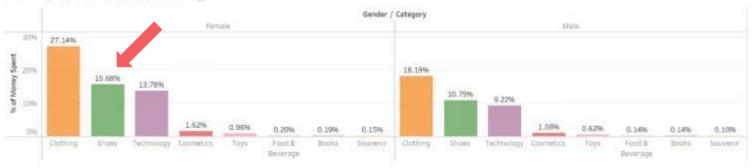
Categories preferred

The top three preferences are Clothing, Cosmetics, and Food and beverages for both the genders



Money Spent by Category

More money is spent on clothes, shoes, and technology



Q5. Which are the most popular categories by age group?



4. Conclusion

Conclusion



Clothing the most popular and highrevenue category across Istanbul consumers of all segments





Shoes and technology are the most profitable categories in all segments. Yielding the highest sales with lower number of transactions

Conclusion



Overall women spend more than men, and cash is the most popular method for this gender group



Cash is the most popular payment method in all malls, while debit card is the least popular and yields the least sales

Recommendations

Clothing, shoes and technology are the categories that yield more revenue, but at the same time can be the most competitive

We recommend any new store to keep accepting cash as a payment method, as we don't yet see a strong cashless culture in Istanbul's Malls Women spend more than men, however this later segment can be underserved by the current offerings. A store may have potential to grow this market with targeted offering

The Mall of Istanbul, Kanyon, and Metrocity are the highest traffic malls. Stores can reach a wider number of segments in them.

On average, young adults (18-34) are spending more than older adults (60+). They can be an easy to target market with innovative offerings in the mall

Thank you!