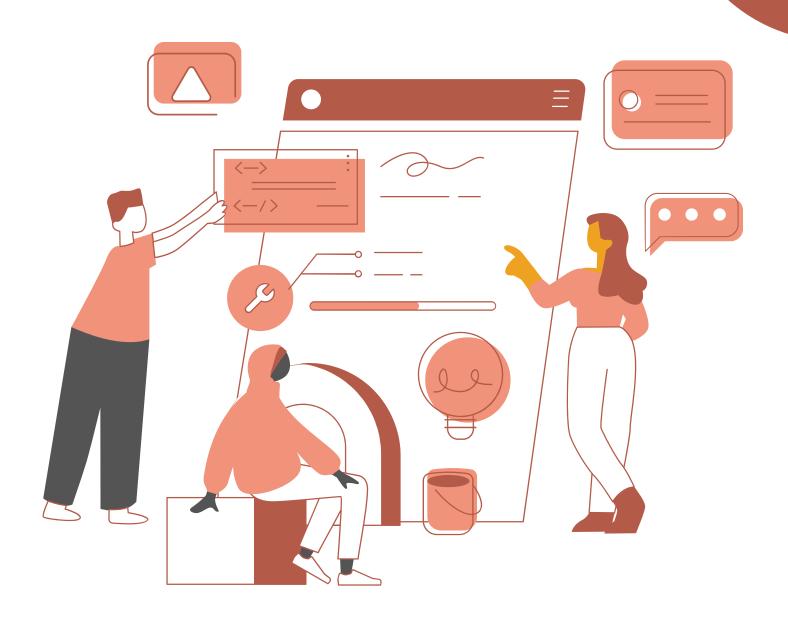


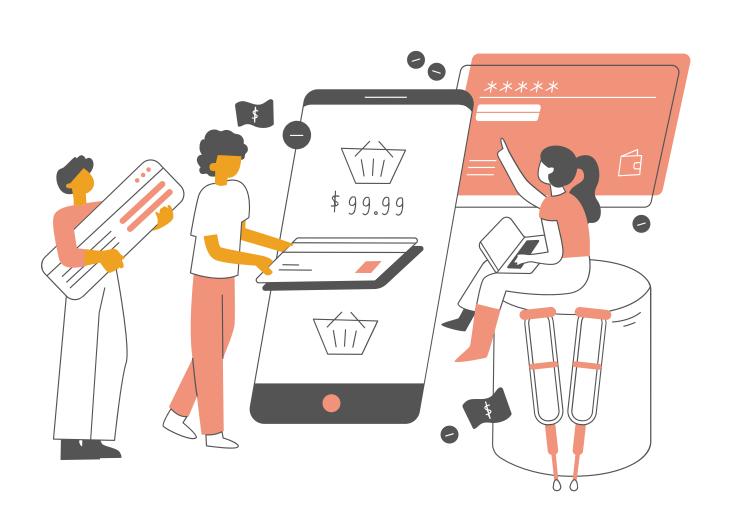
Customer Segmentation Analysis



Submitted By- Aaspruha Dash Akash Narendra Wahane Ayush Munjewar Chinmay Bonde

Project Description

The project helps in understanding the shopping habits of customers in Istanbul between 2021 and 2023. Using this data, organizations can understand gender-specific and age-specific choices, revenue generated, and their relationships with other information.



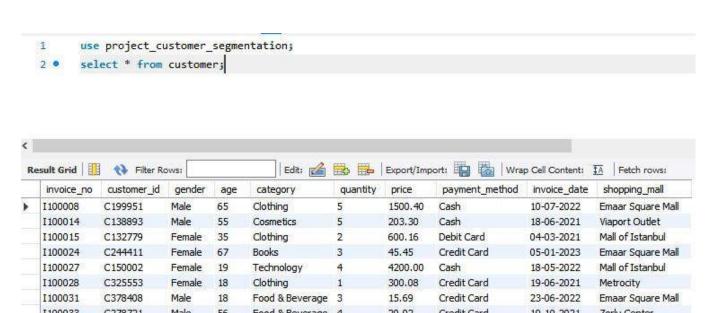


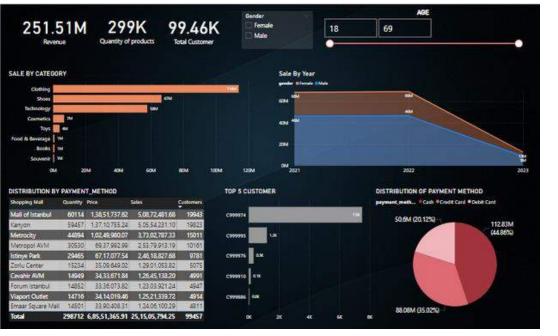
Approach

For this project, we have used SQL and Power Bi for data cleaning.

The tool Power Bi is used to transform, analyze, and visualize data.

We have also used Canva to make this presentation.







INSIGHTS





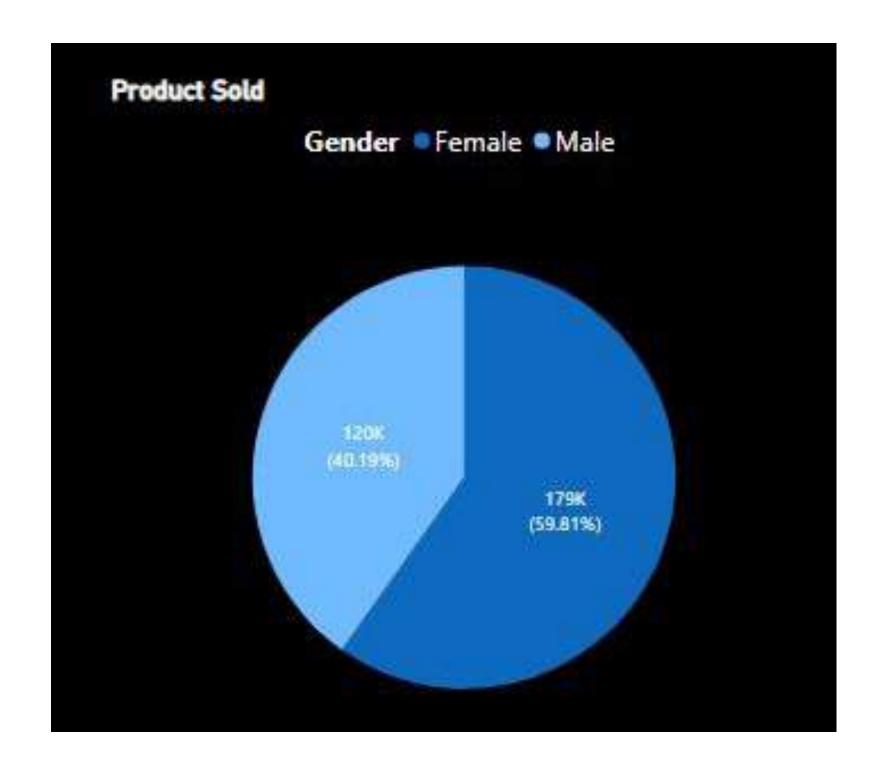
Shopping Distribution

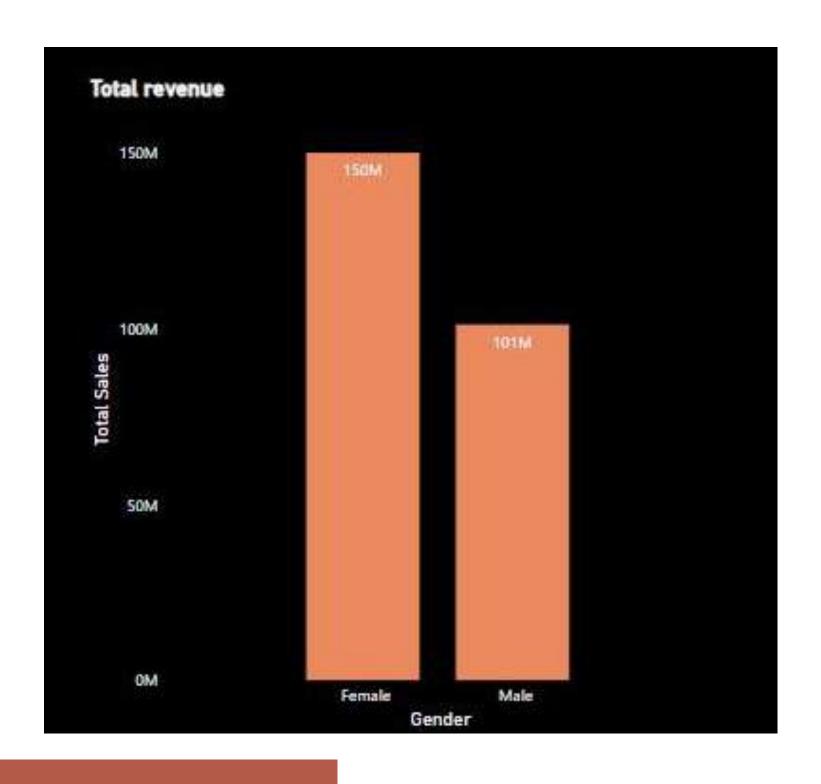
By analyzing the data, we found that most purchases were made in the mall of Istanbul, and females bought more products compared to males.



Product Sales

Female customers bought more products than males. The product sold to females is around 179k, and for male buyers, it reached 120k.



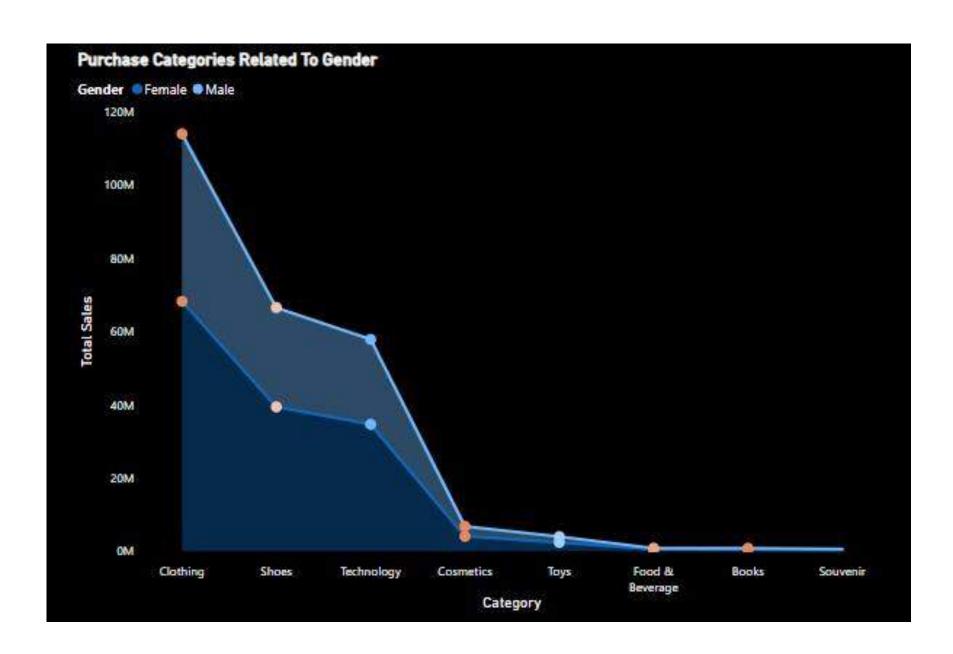




Revenue Earned (2021-2023)

As per the data, a total of 150 million was generated from female buyers, whereas 101 million was generated from male customers.

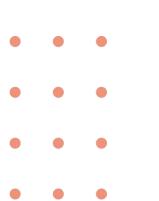


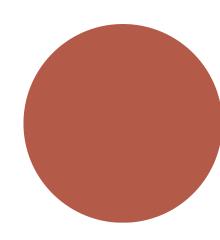




Purchase Category Distribution

Most products were purchased in the clothing category, and the least profitable product was souvenir.



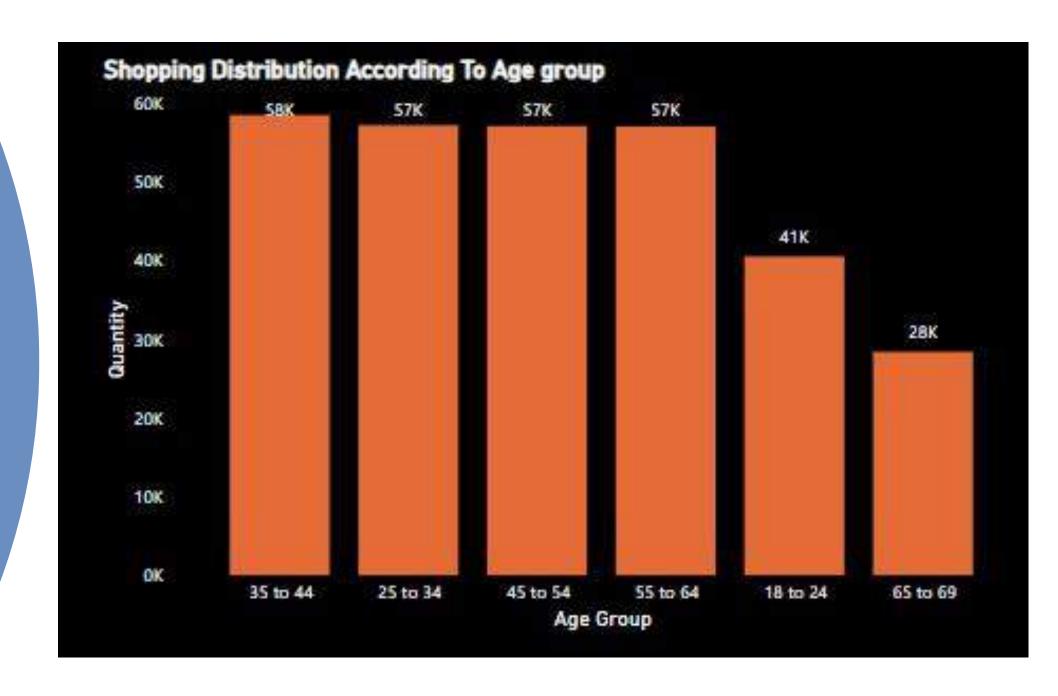


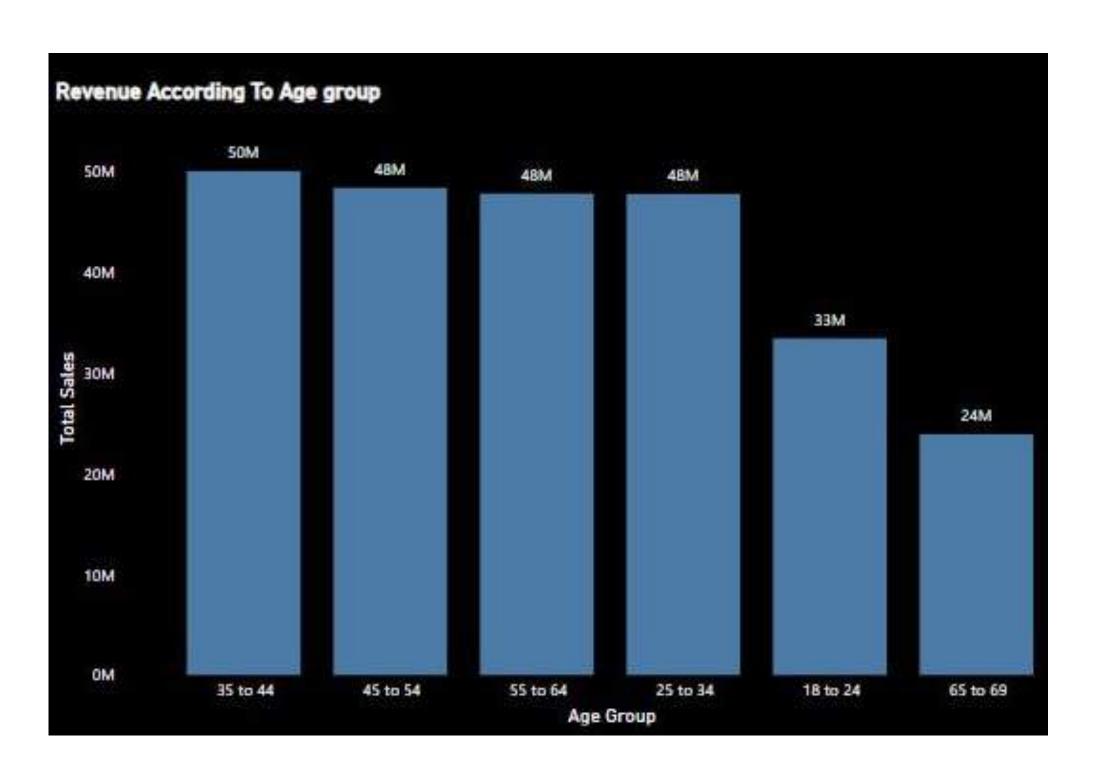
category	gender	purchase_count	
Books	Female	2906	
Books	Male	2075	
Clothing	Female	20652	
Clothing	Male	13835	
Cosmetics	Female	9070	
Cosmetics	Male	6027	
Food & Beverage	Female	8804	
Food & Beverage	Male	5972	
Shoes	Female 5967		
Shoes	Male 4067		
Souvenir	Female 3017		
Souvenir	Male	1982	
Technology	Female	2981	
Technology	Male	2015	
Toys	Female	6085	
Toys	Male	4002	



Age-Based Shopping Distribution

As per the data, the age group between 35 and 44 bought the highest number of products. People between the ages of 25 and 64 contribute most of the sales.





Revenue By Age Group

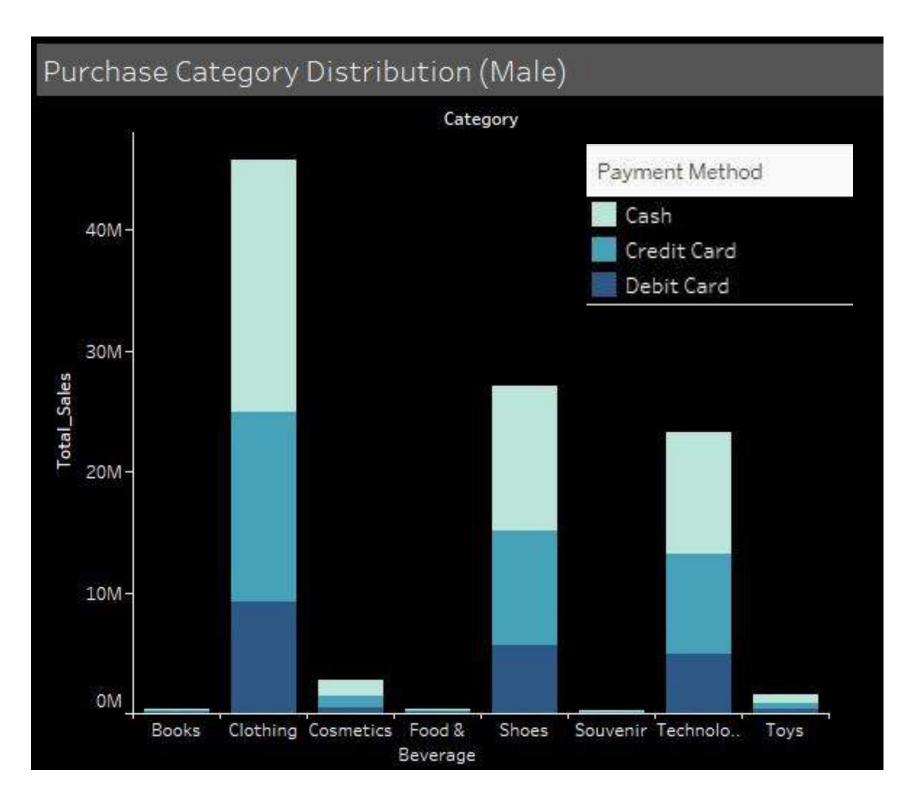
Customers in the age group of 35 to 44 generated 50 million, which is the highest of all. Here, the total revenue earned is around 251.51 million.

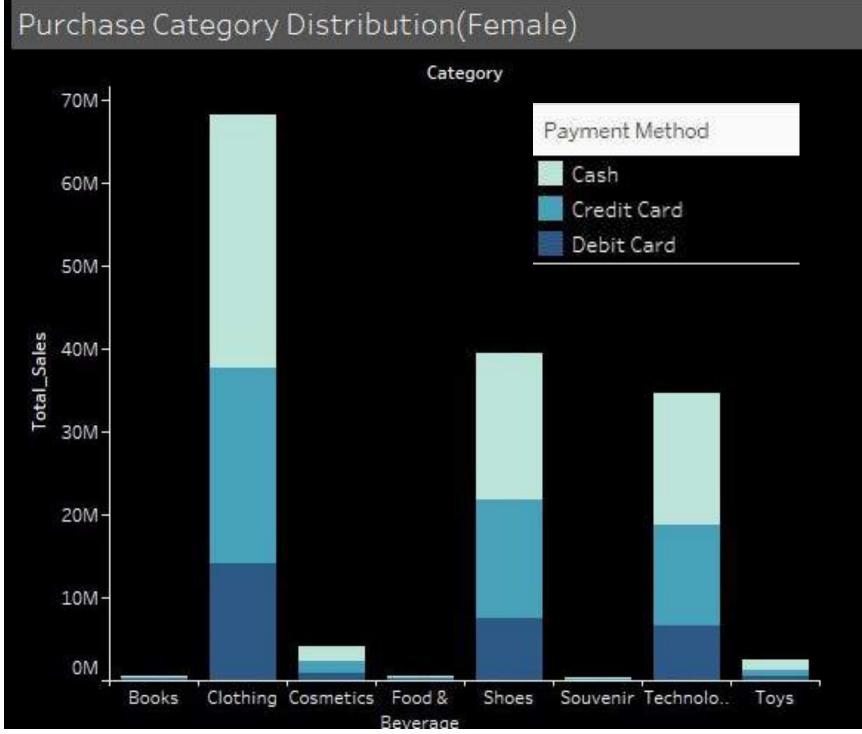


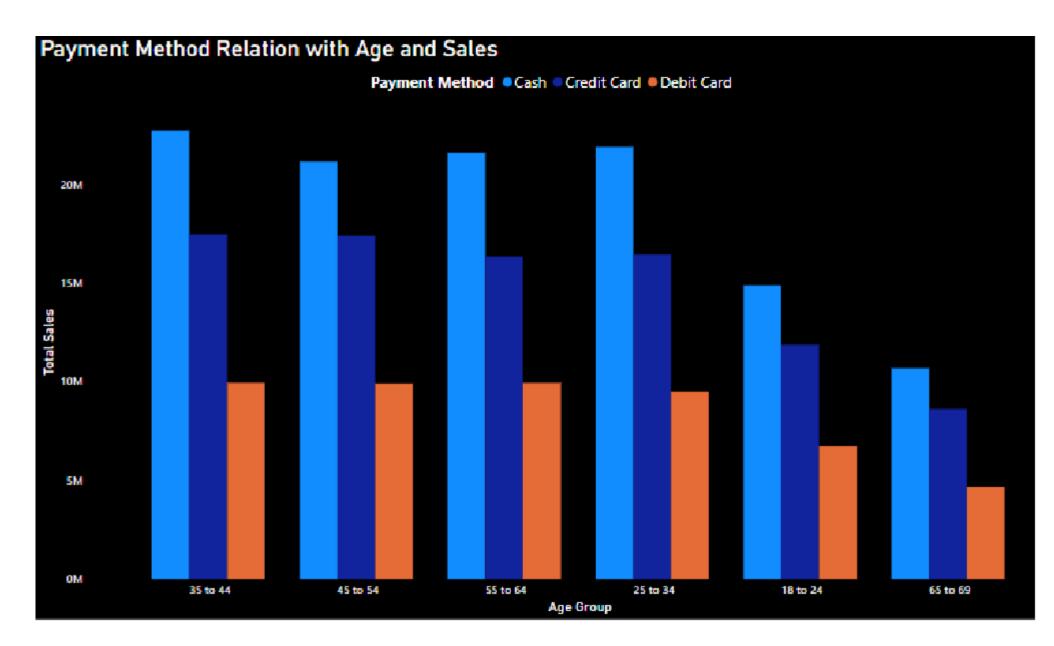


Purchase Distribution

Most products sold were from clothing category with a value of 113,796,791 and their preferred mode of payment was cash.



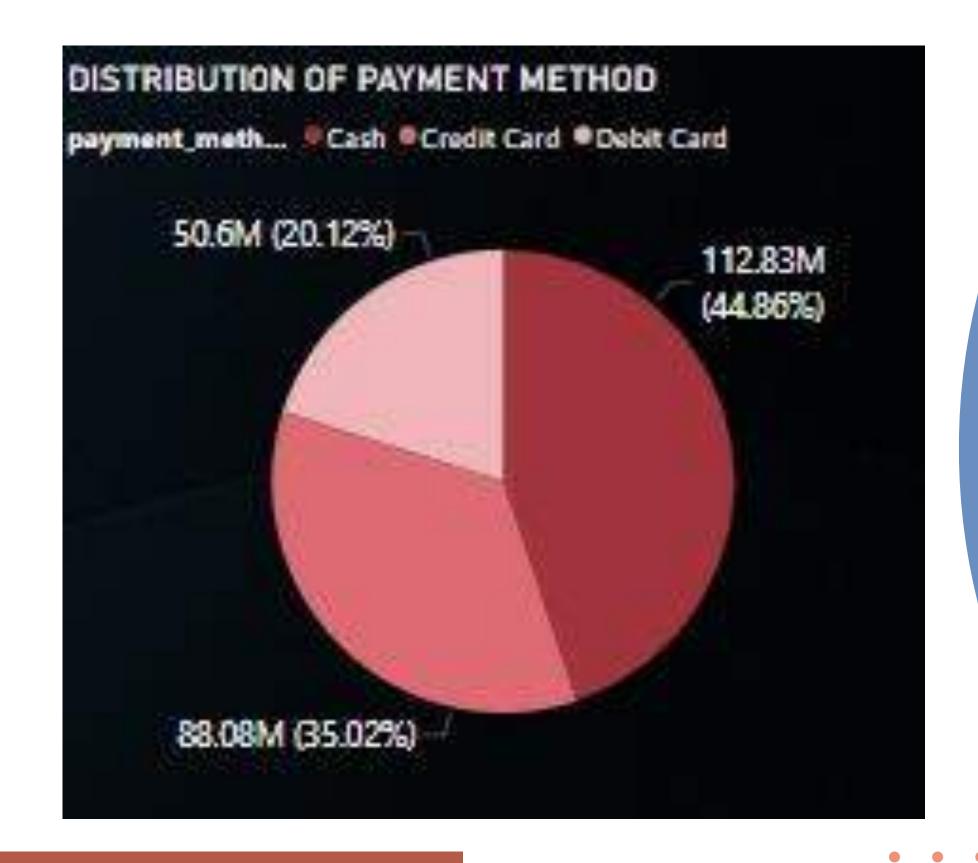




	Payment Method			
Gender	Cash	Credit Card	Debit Card	
Female	67,573,638	52,875,810	29,757,688	
Male	45,258,605	35,201,314	20,838,740	

Payment Method Relation with Others

The chart clearly shows customers aged between 25 and 65 bought more products and most of them used cash as their mode of payment.





Customers prefer to pay cash for the purchase. However, many choose a credit card too as their payment method.

Data Visualization

You can also view the dashboard on customer segmentation analysis. We have uploaded it along with the presentation.





Suggestions



- Now that we know, women buyers are more. You can give discounts on a particular day or put offers on products made for women.
- People aged between 25 and 65 purchased most of the products.
 Adding more products of their interest can be a good idea.
- Use social media to market the least-purchased products and offer strategic discounts, like seasonal sales. This will create a sense of urgency, and people will get attracted to these products.



Thank You

The data helped in identifying purchasing pattern similarities of people in different customer segments. With enhanced experience, businesses can maximize their profit.