

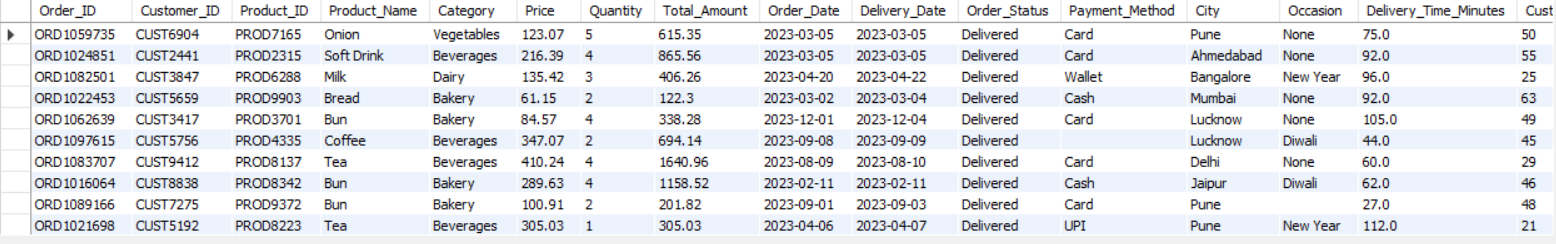
**Data Analyst Project**

**Data Columns Name :**

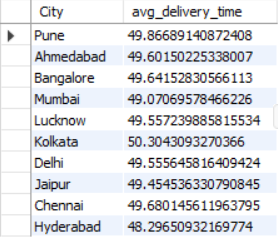
|  |
| --- |
| **Order\_ID** |
| **Customer\_ID** |
| **Product\_ID** |
| **Product\_Name** |
| **Category** |
| **Price** |
| **Quantity** |
| **Total\_Amount** |
| **Order\_Date** |
| **Delivery\_Date** |
| **Order\_Status** |
| **Payment\_Method** |
| **City** |
| **Occasion** |
| **Delivery\_Time\_Minutes** |
| **Customer\_Age** |
| **Delivery\_Type** |
| **Discount\_Applied** |

**SQL Questions and Answer :**

**1. Retrieve All Successful Orders**

select \* from blinkit\_grocery\_data where order\_status = 'Delivered';

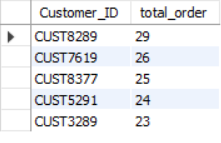
**2. Find the Average Delivery Time per City**

select City , avg(Delivery\_Time\_Minutes) As avg\_delivery\_time from blinkit\_grocery\_data group by City;

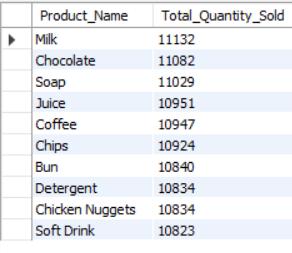
**3. Get the Total Number of Cancelled Orders by Customers**

select count(\*) from blinkit\_grocery\_data where order\_status='Cancelled';

**4. List the Top 5 Customers Who Placed the Highest Number of Orders**

select Customer\_ID , count(Product\_ID) as total\_order from blinkit\_grocery\_data group by Customer\_ID order by total\_order DESC limit 5;

**5. Identify the most popular products by total quantity sold**

select Product\_Name, SUM(Quantity) as Total\_Quantity\_Sold from blinkit\_grocery\_data group by Product\_Name order by Total\_Quantity\_Sold DESC limit 10;

**6. Find the Best and Worst Performing Product Categories**

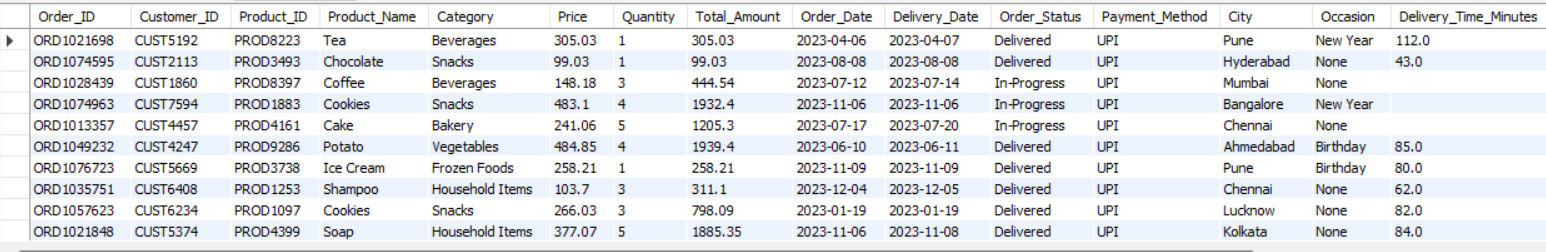
--- Best Performing (Highest Sales) ---

select Category , sum(Total\_Amount) as total\_sales from blinkit\_grocery\_data group by Category order by total\_sales DESC

--- Worst Performing (Lowest Sales) ---

select Category, sum(Total\_Amount) as total\_sales from blinkit\_grocery\_data group by Category order by total\_sales ASC

**7. Retrieve All Orders Paid via UPI**

select \* from blinkit\_grocery\_data where Payment\_Method = 'UPI';

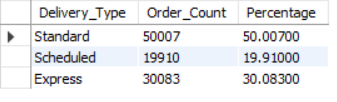
**8. Calculate the Total Number of Orders with Discounts Applied**

select COUNT(\*) AS Total\_Discounted\_Orders from blinkit\_grocery\_data where Discount\_Applied = 'TRUE';

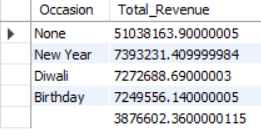
**9. Find the Total Number of Orders Placed on Weekends**

select COUNT(\*) as Weekend\_Orders from BlinkIT\_Grocery\_Data where DAYOFWEEK(Order\_Date) IN (1, 7);

**10. Calculate the Percentage of Express vs Standard Deliveries**

select Delivery\_Type ,count(\*) as Order\_Count, (count(\*) \* 100.0/ (select count(\*) from blinkit\_grocery\_data)) as Percentage from blinkit\_grocery\_data group by Delivery\_Type;

**11. Find the Total Revenue During Festival Occasions**

select Occasion, SUM(Total\_Amount) AS Total\_Revenue from blinkit\_grocery\_data where Occasion IS NOT NULL group by Occasion order by Total\_Revenue DESC;

**12. Find the Most Common Age Group of Customers**

select Customer\_Age, COUNT(\*) AS Order\_Count from blinkit\_grocery\_data group by Customer\_Age order by Order\_Count DESC limit 1;

**Retrieve All Answers (View)**

create database Blinkit;

use blinkit;

SELECT \* FROM blinkit.blinkit\_grocery\_data;

# 1. Retrieve All Successful Orders

select \* from Delivered\_Orders;

# 2. Find the Average Delivery Time per City

select \* from delivery\_time\_for\_each\_city ;

# 3. Get the Total Number of Cancelled Orders by Customers

select \* from cancelled\_order\_by\_customers;

# 4. List the Top 5 Customers Who Placed the Highest Number of Orders

select \* from Top\_5\_Customers;

# 5. Identify the most popular products by total quantity sold

select \* from most\_popular\_product;

# 6. Find the Best and Worst Performing Product Categories

#Best Performing (Highest Sales):

select \* from Best\_product;

#Worst Performing (Lowest Sales):

select \* from Worst\_Product;

# 7. Retrieve All Orders Paid via UPI

select \* from UPI\_Payment;

# 8. Calculate the Total Number of Orders with Discounts Applied

select \* from discount;

# 9. Find the Total Number of Orders Placed on Weekends

select \* from Weekend\_Demands;

# 10. Calculate the Percentage of Express vs Standard Deliveries

select \* from delivery\_for\_express\_vs\_standard;

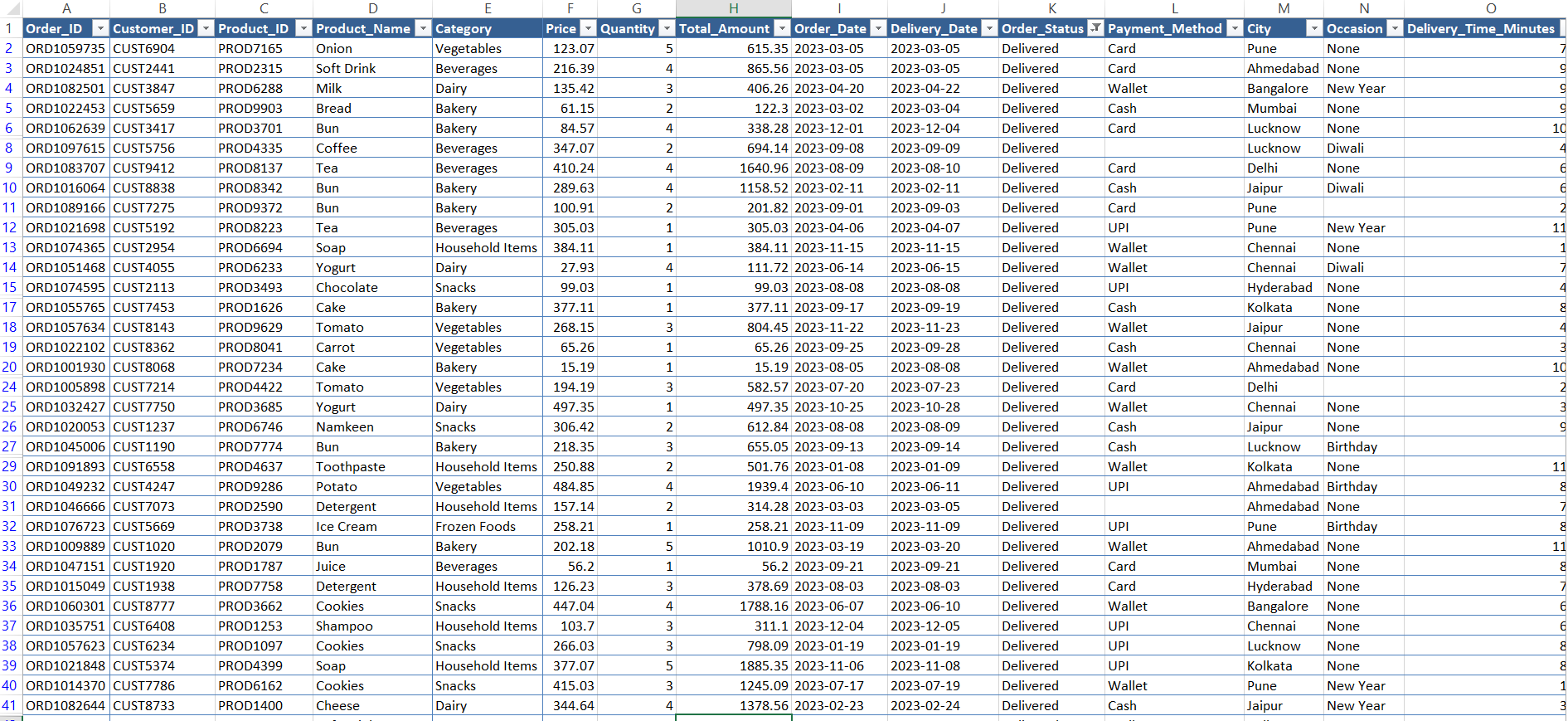
# 11. Find the Total Revenue During Festival Occasions

select \* from Total\_Revenue\_During\_Festival\_Occasions ;

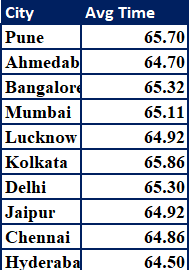
# 12. Find the Most Common Age Group of Customers

select \* from Age\_Group\_Of\_Customer;

**Same Thing In Excel :**

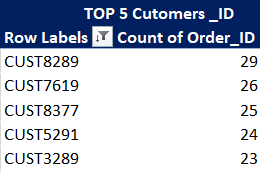
1. Retrieve All Successful Orders

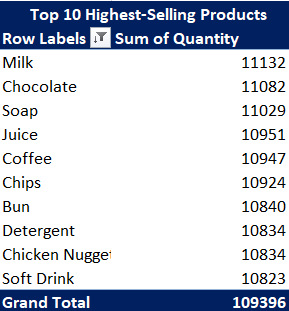
2. Find the Average Delivery Time per City

 = AVERAGEIF(blinkit\_grocery\_data!M:M,Analyze!D4,blinkit\_grocery\_data!O:O)

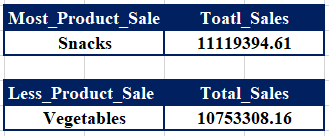
3. Get the Total Number of Cancelled Orders by Customers

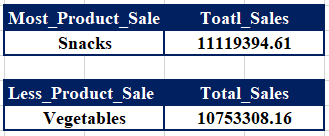
=COUNTIF(blinkit\_grocery\_data!K:K,"Cancelled")

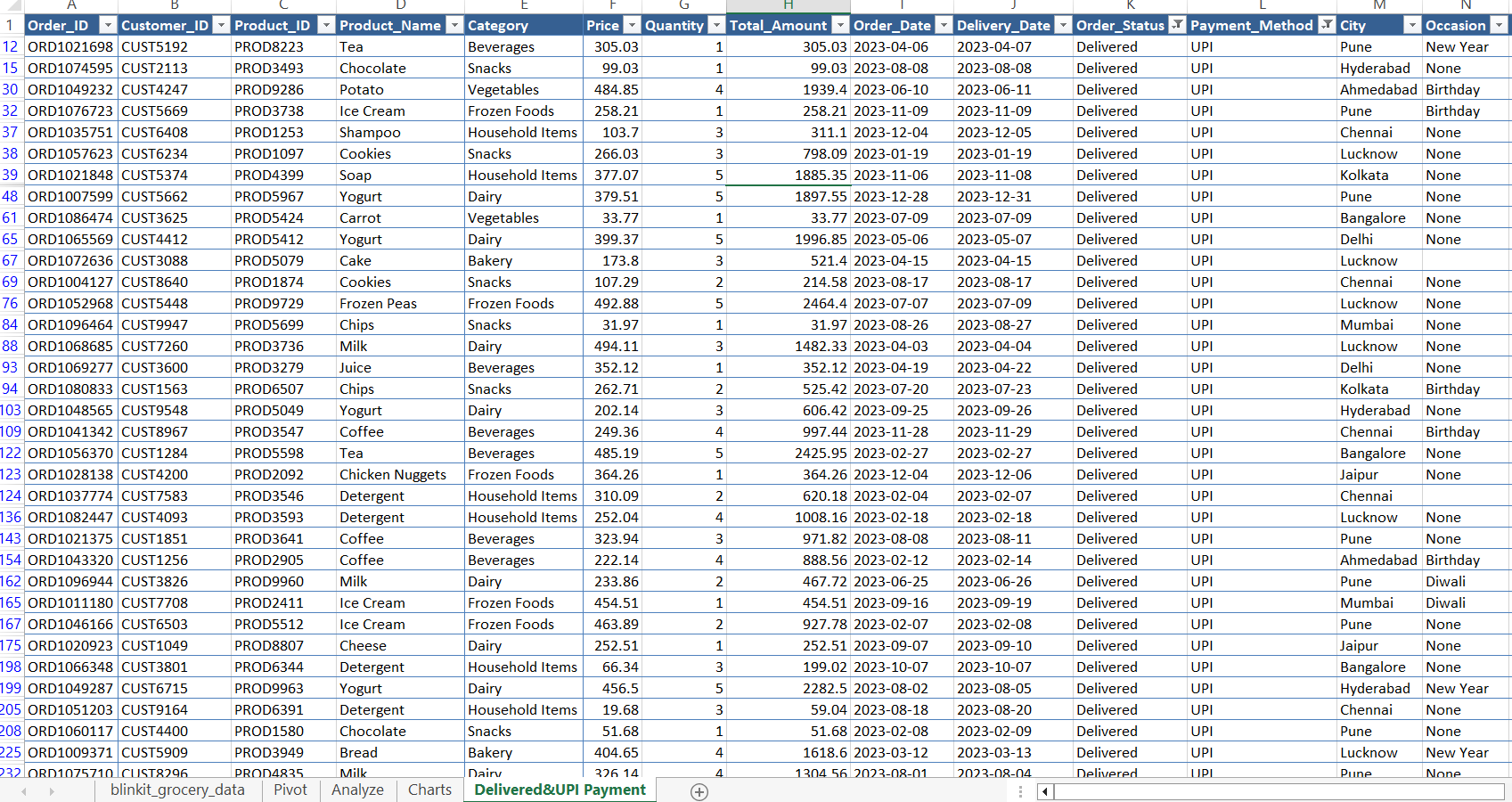
 4. List the Top 5 Customers Who Placed the Highest Number of Orders (Used Pivot Table)

5. Identify the most popular products by total quantity sold (Used Pivot Table)

6. Find the Best and Worst Performing Product Categories (Used Pivot Table)

 --- Best Performing (Highest Sales) ---

 --- Worst Performing (Lowest Sales) ---

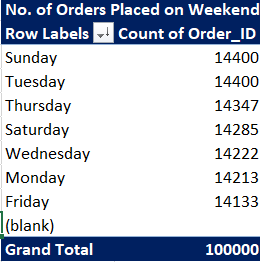
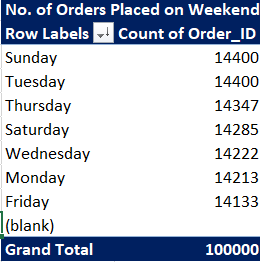
7. Retrieve All Orders Paid via UPI (Used Filter)

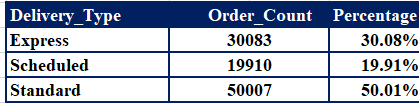
8. Calculate the Total Number of Orders with Discounts Applied

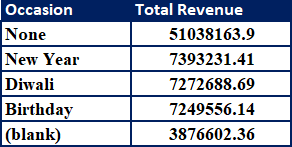
=COUNTIF(blinkit\_grocery\_data!R:R,"True")

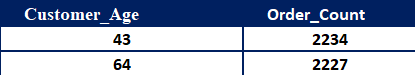
9. Find the Total Number of Orders Placed on Weekends

=TEXT(I:I,"dddd") (Also done with pivot table)

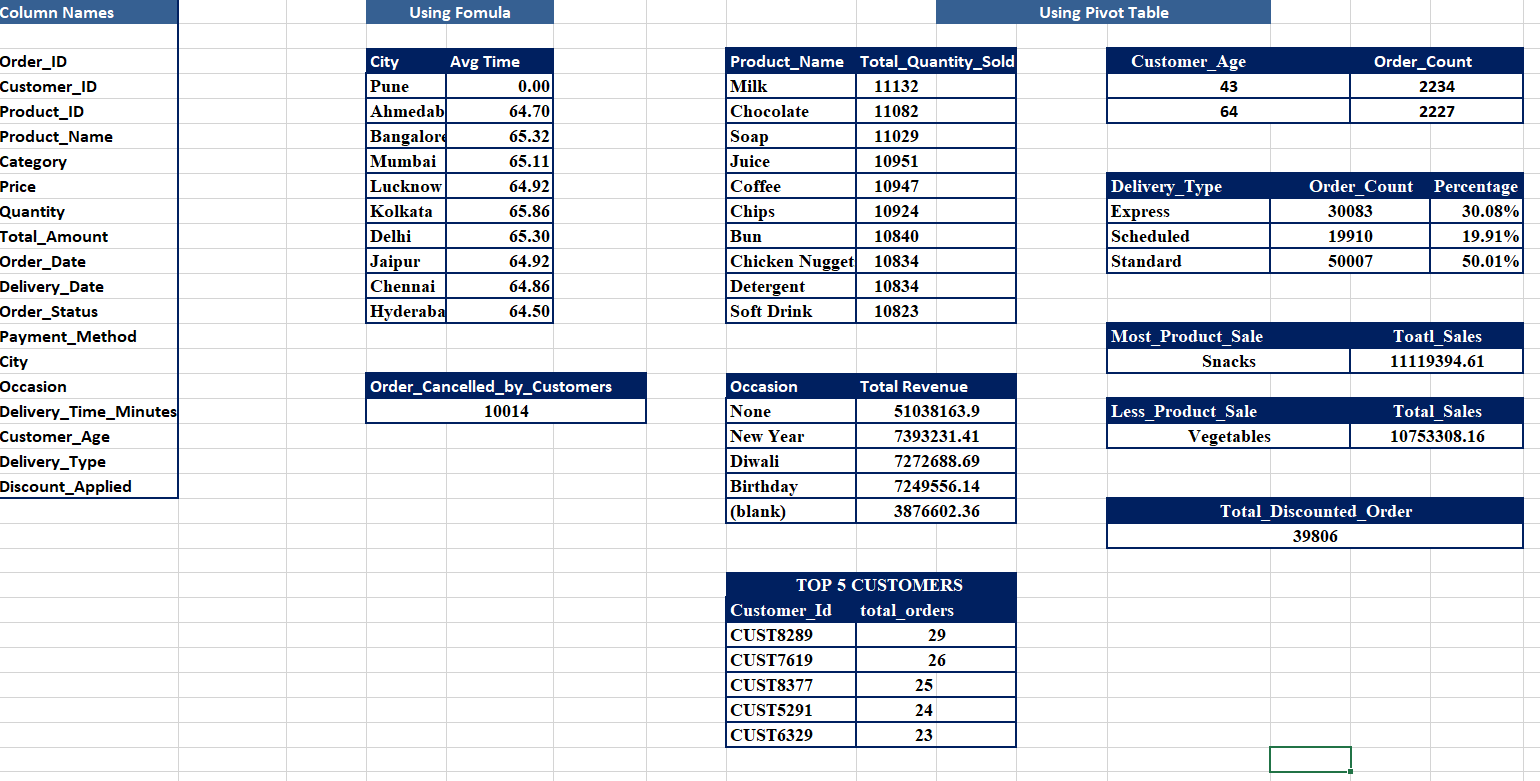


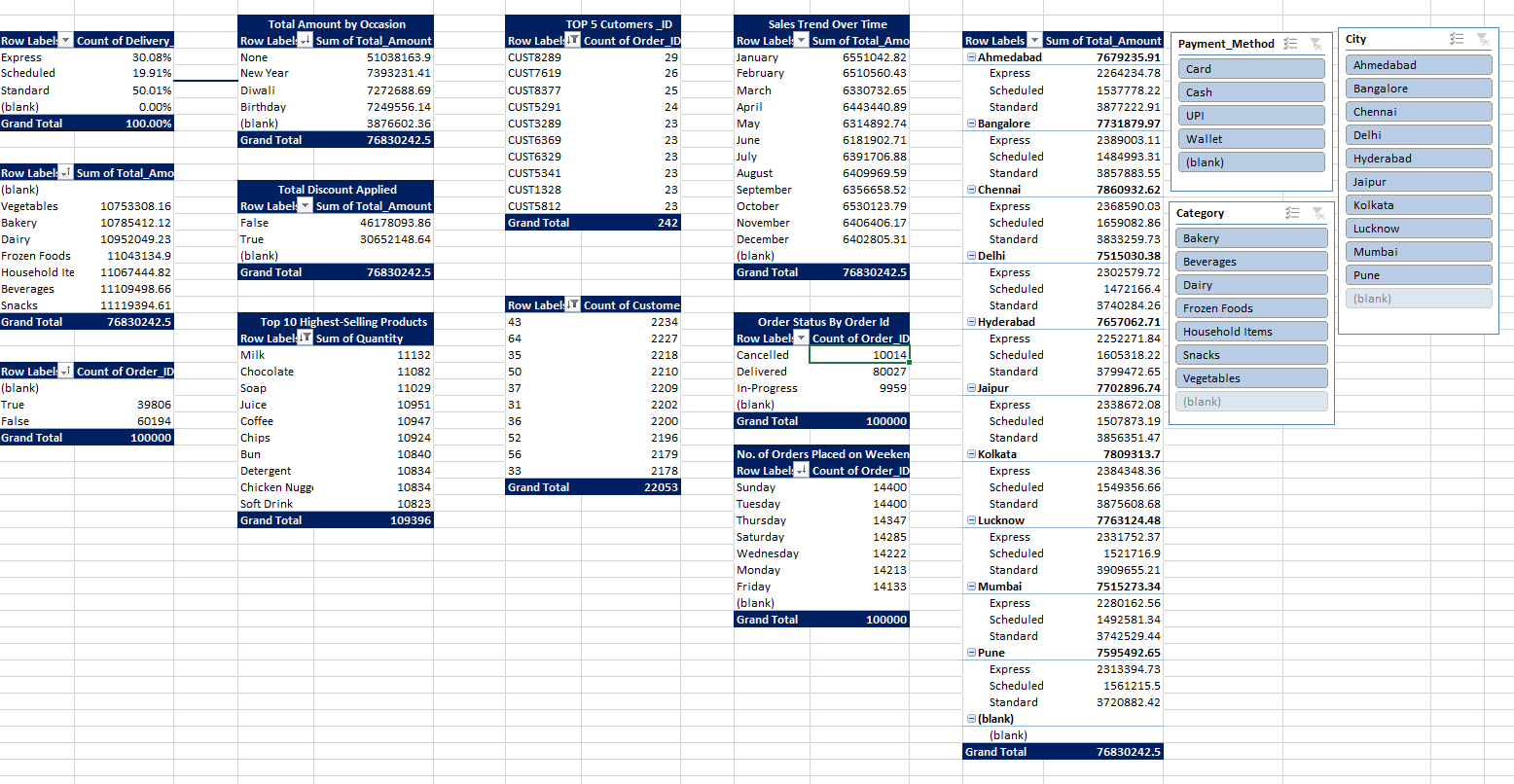
10. Calculate the Percentage of Express vs Standard Deliveries (Using Pivot Table)

11. Find the Total Revenue During Festival Occasions (Using Pivot Table)

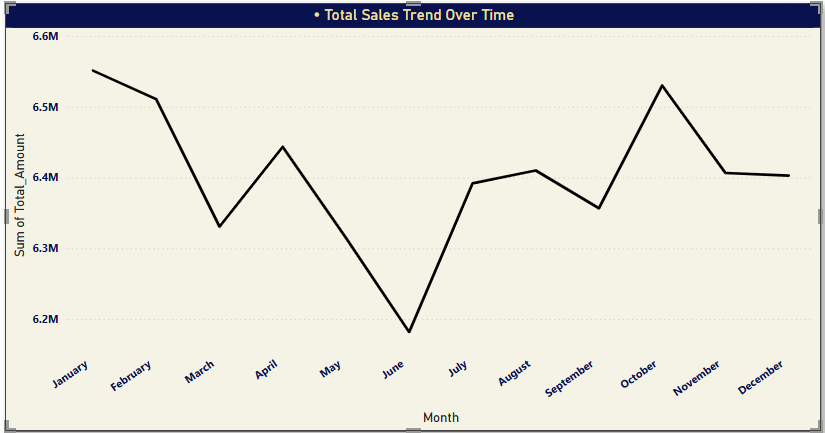
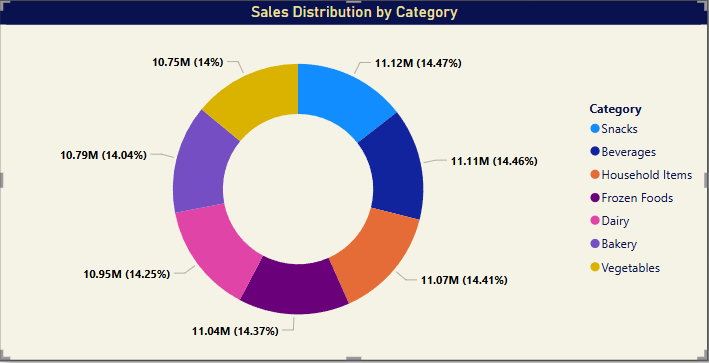
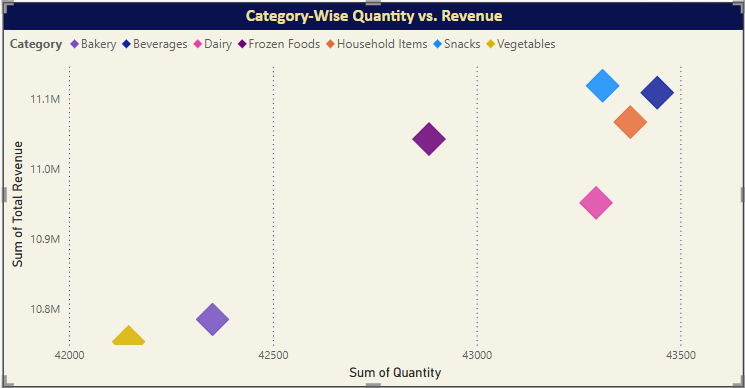
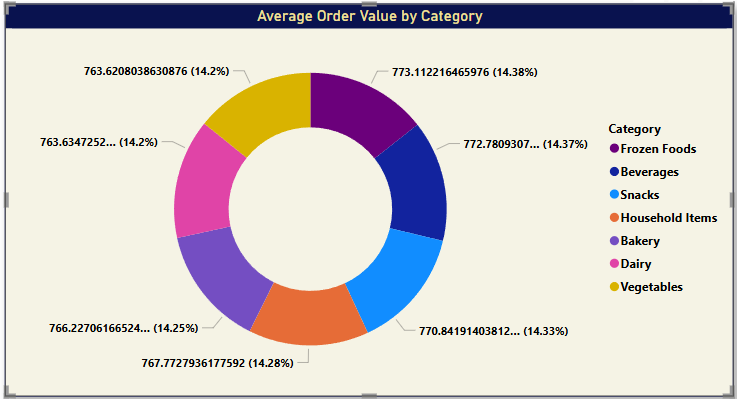
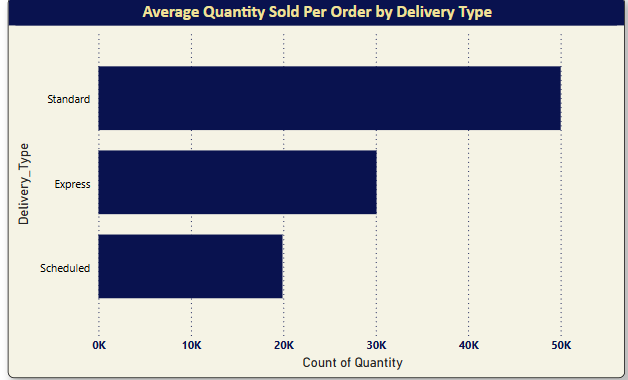
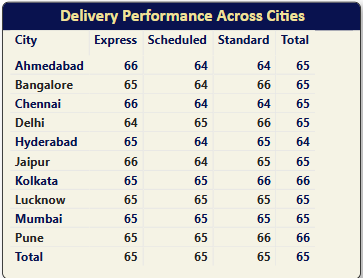
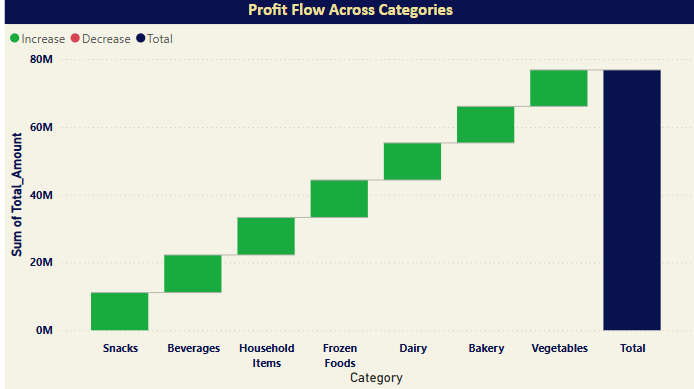
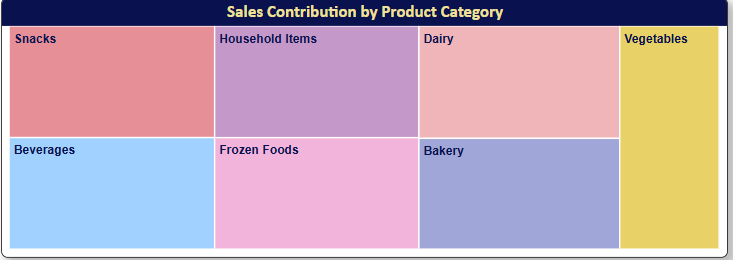
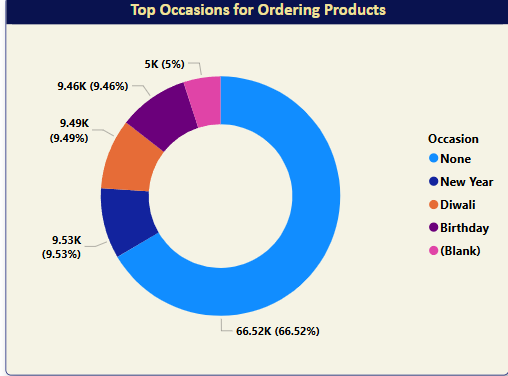
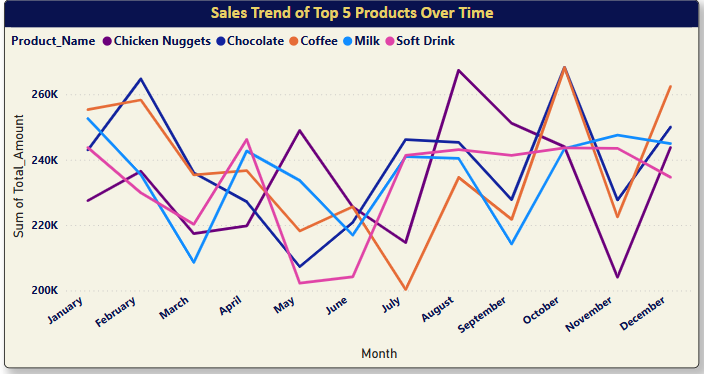
12. Find the Most Common Age Group of Customers (Using Pivot Table)

* **Analysis Sheet:**



* **Pivot Table:**
* **Charts**

**Power BI Questions :**

1. **Total Sales Trend Over Time**
2. **Total Sales Contribution by Category**
3. **Category wise sales and Revenue**
4. **Average order value by Category**
5. **Average quantity sold per order**
6. **Delivery Type Performance Breakdown**
7. **Profit flow across categories**
8. **Sales Distribution by product category**
9. **Top occasions for ordering products**
10. **Sales trend of 5 products over time**

* **Segregation of the views:**

**1️⃣ Overview :**

* Total Sales Trend Over Time
* Order Breakdown by Delivery Type
* Total Sales Contribution by Category

**2️⃣ Category Analysis :**

* Top 5 best selling categories
* Category wise sales and Revenue
* Category Sales Trend Over Time
* Average order value by Category

**3️⃣ Delivery Analysis :**

* Average quantity sold per order
* Total sales distribution by Delivery type
* Count of order by Order Status
* Count of order by Delivery\_type
* Delivery Type Performance Breakdown

**4️⃣ Sales & Revenue Analysis:**

* Sum of total amount by city
* Profit flow across categories
* Order Distribution by payment method
* Sales Distribution by product category

**5️⃣ Product Performance :**

* Top 5 product by selling product
* Top 10 contribution of product categories
* Top occasions for ordering products
* Sales trend of 5 products over time

**Dashboard:**

