

# OLA RIDE ANALYSIS

Using SQL & POWER BI

# KEY POINTS

- **SQL for Data Extraction & Preparation:** Query large datasets, clean, and prepare data efficiently for analysis.
- **Excel for Data Analysis:** Utilize pivot tables, advanced formulas, and data sorting for deeper insights.
- **Power BI for Dashboard Creation:** Build interactive dashboards to visualize key findings effectively.
- **End-to-End Data Workflow:** Extract, analyze, and present data-driven insights for informed decision-making.

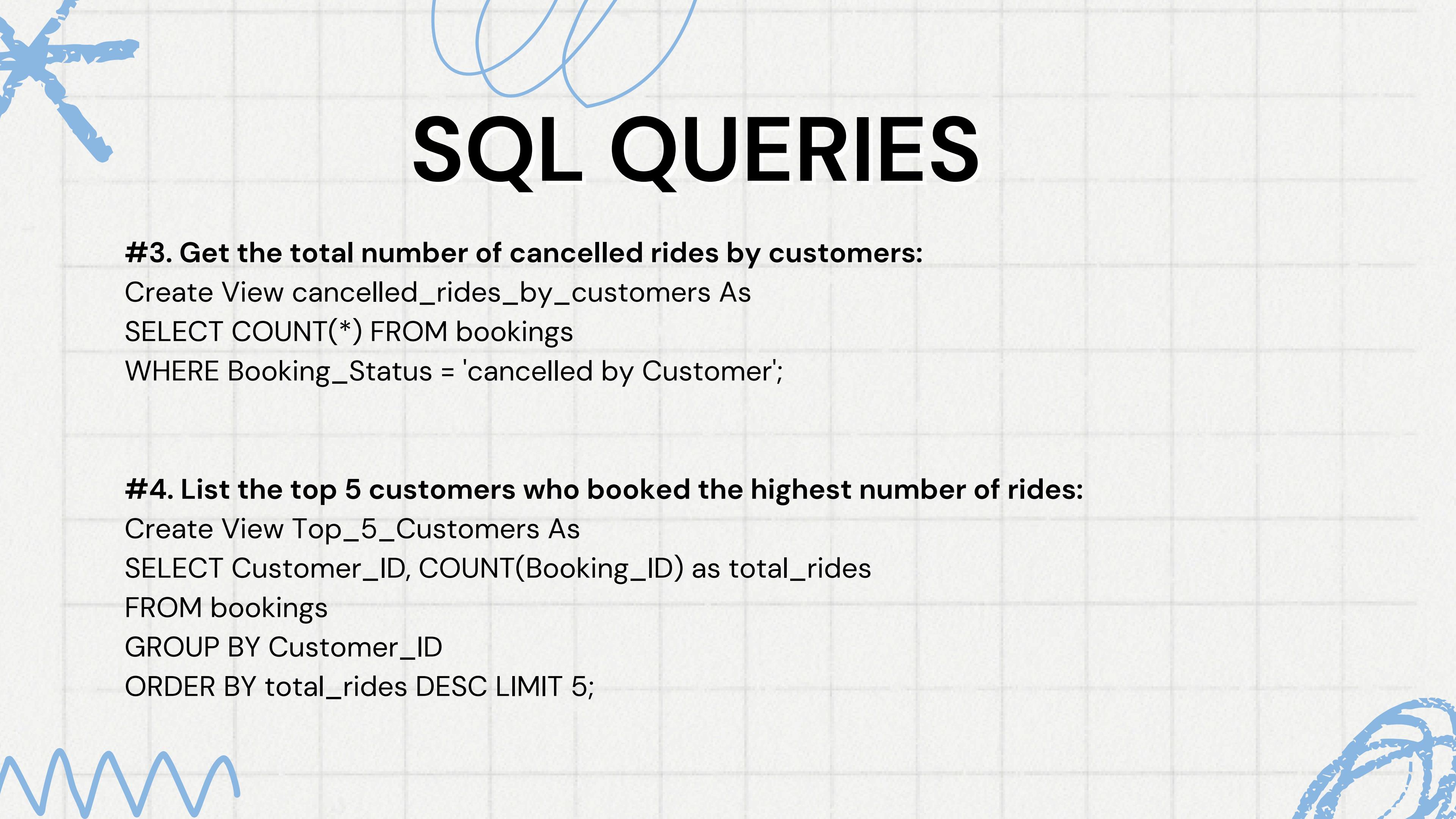
# SQL QUERIES

## #1. Retrieve all successful bookings

```
Create View Successful_Bookings As  
SELECT * FROM bookings  
WHERE Booking_Status = 'Success';
```

## #2. Find the average ride distance for each vehicle type:

```
Create View ride_distance_for_each_vehicle As  
SELECT Vehicle_Type, AVG(Ride_Distance)  
as avg_distance FROM bookings  
GROUP BY Vehicle_Type;
```



# SQL QUERIES

## #3. Get the total number of cancelled rides by customers:

```
Create View cancelled_rides_by_customers As  
SELECT COUNT(*) FROM bookings  
WHERE Booking_Status = 'cancelled by Customer';
```

## #4. List the top 5 customers who booked the highest number of rides:

```
Create View Top_5_Customers As  
SELECT Customer_ID, COUNT(Booking_ID) as total_rides  
FROM bookings  
GROUP BY Customer_ID  
ORDER BY total_rides DESC LIMIT 5;
```

# SQL QUERIES

**#5. Get the number of rides cancelled by drivers due to personal and car-related issues:**

```
Create View Rides_cancelled_by_Drivers_P_C_Issues As
```

```
SELECT COUNT(*) FROM bookings
```

```
WHERE cancelled_Rides_by_Driver = 'Personal & Car related issue';
```

**#6. Find the maximum and minimum driver ratings for Prime Sedan bookings:**

```
Create View Max_Min_Driver_Rating As
```

```
SELECT MAX(Driver_Ratings) as max_rating,
```

```
MIN(Driver_Ratings) as min_rating
```

```
FROM bookings WHERE Vehicle_Type = 'Prime Sedan';
```

# SQL QUERIES

**#7. Retrieve all rides where payment was made using UPI:**

```
Create View UPI_Payment As
```

```
SELECT * FROM bookings
```

```
WHERE Payment_Method = 'UPI';
```

**#8. Find the average customer rating per vehicle type:**

```
Create View AVG_Cust_Rating As
```

```
SELECT Vehicle_Type, AVG(Customer_Rating) as avg_customer_rating
```

```
FROM bookings
```

```
GROUP BY Vehicle_Type;
```

# SQL QUERIES

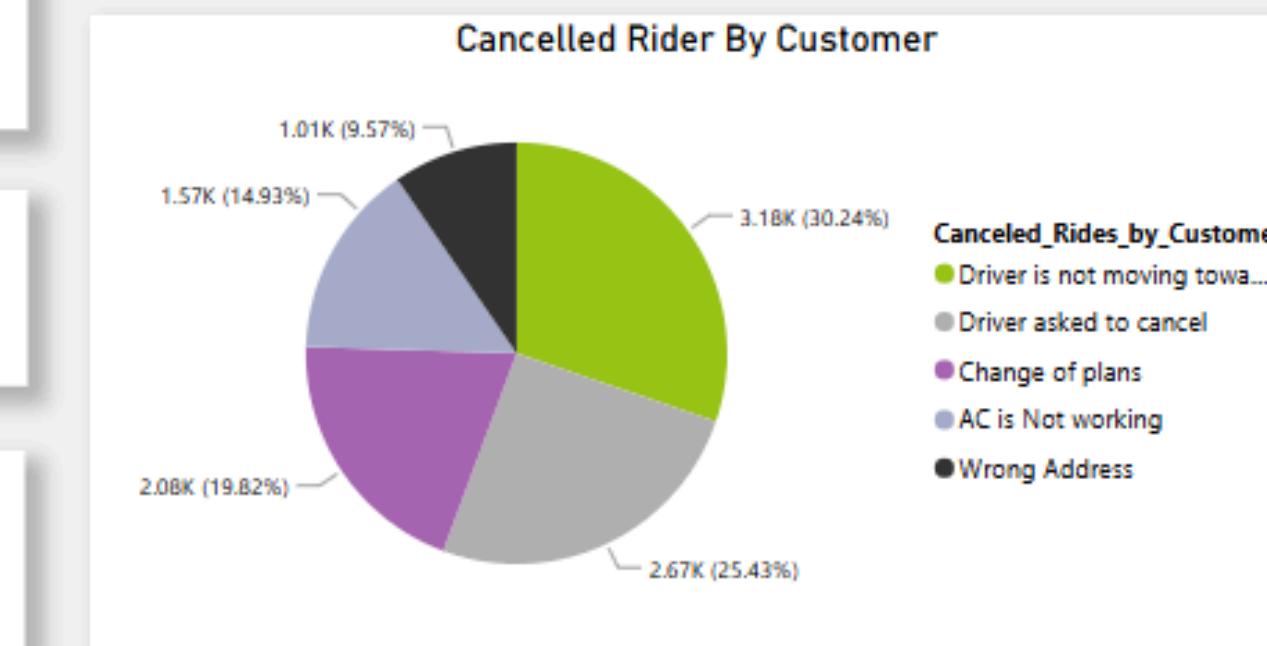
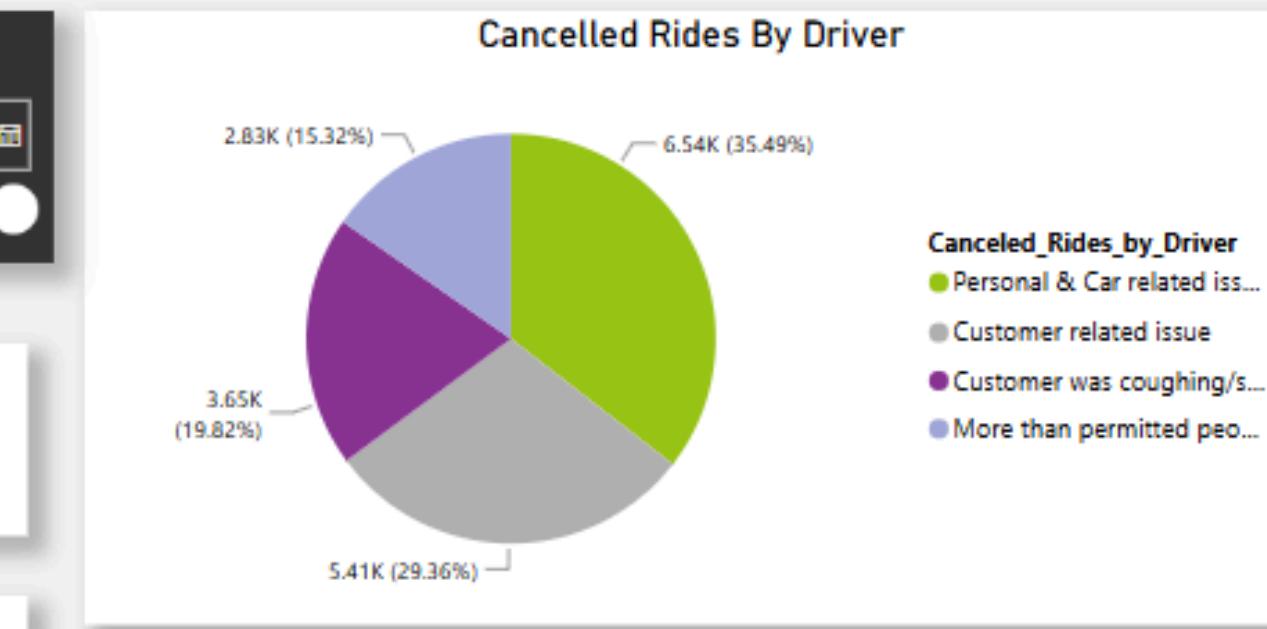
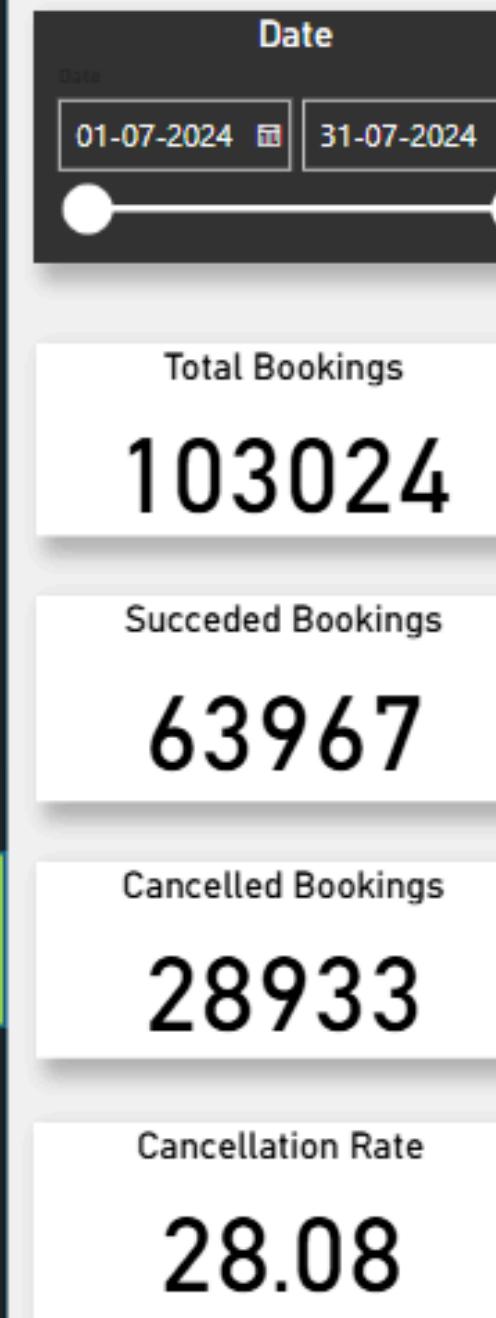
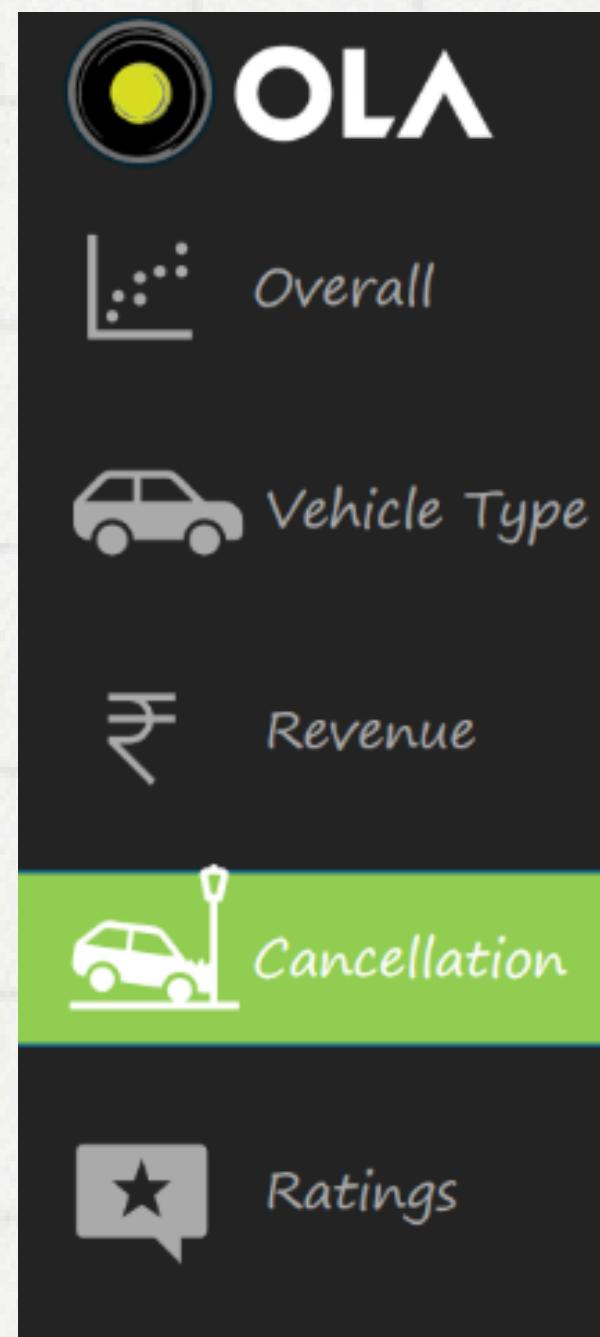
**#9. Calculate the total booking value of rides completed successfully:**

```
Create View total_successful_ride_value As  
SELECT SUM(Booking_Value) as total_successful_ride_value  
FROM bookings  
WHERE Booking_Status = 'Success';
```

**#10. List all incomplete rides along with the reason:**

```
Create View Incomplete_Rides_Reason As  
SELECT Booking_ID, Incomplete_Rides_Reason  
FROM bookings  
WHERE Incomplete_Rides = 'Yes';
```

# DASHBOARD



# DASHBOARD

 OLA

 Overall

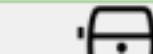
 Vehicle Type

 Revenue

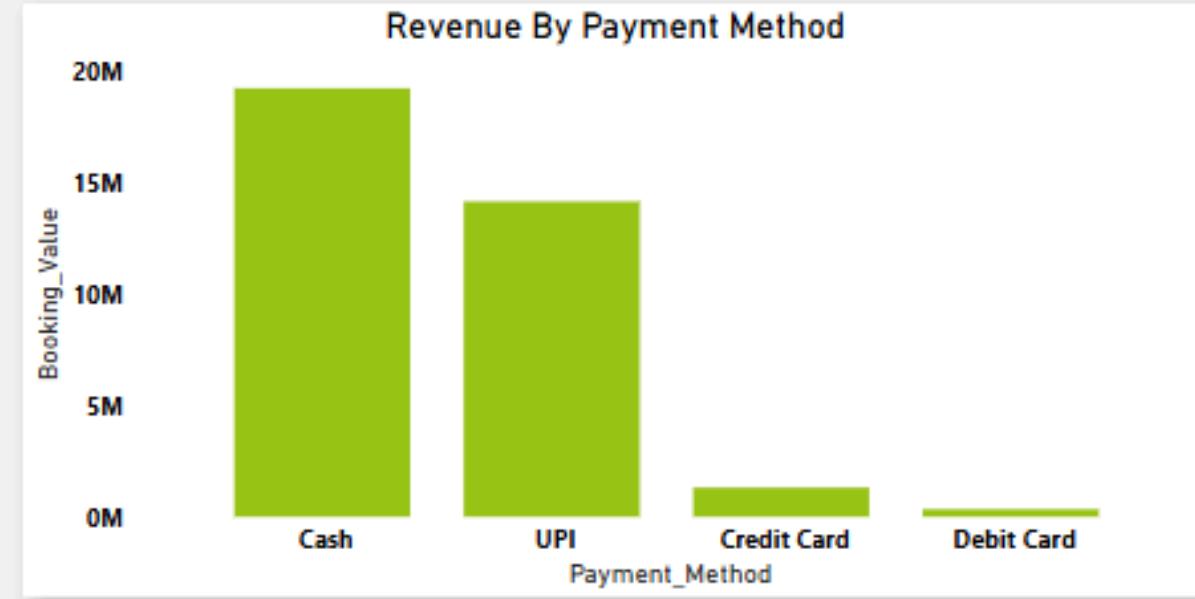
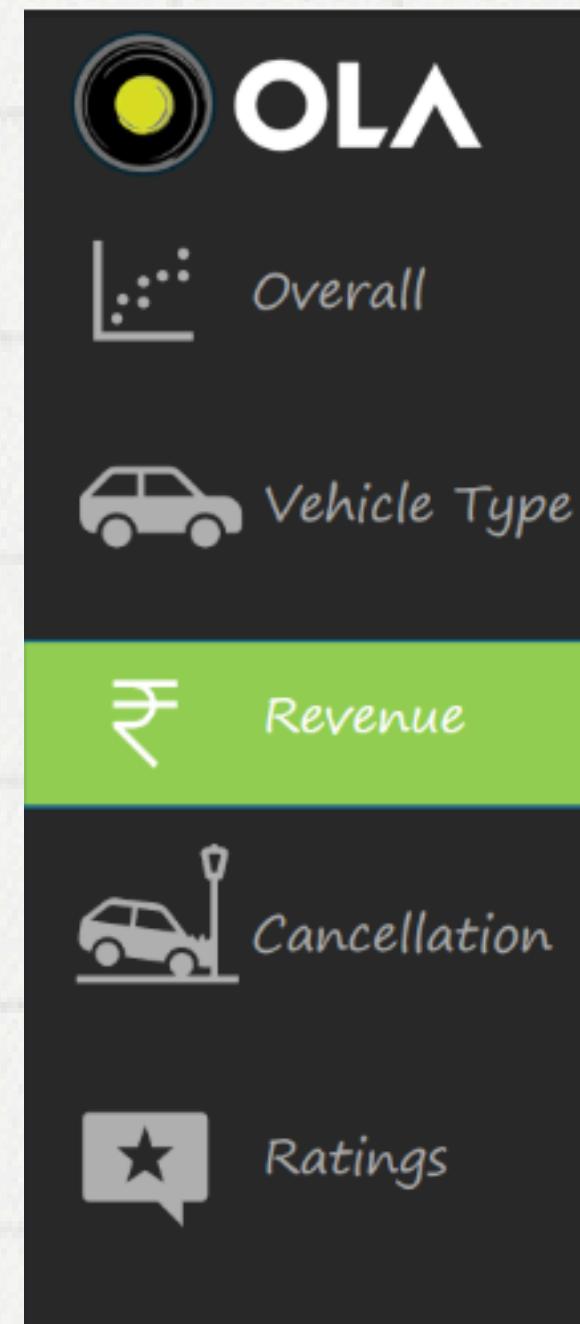
 Cancellation

 Ratings

01-07-2024  31-07-2024 

Vehicle Type	Total Booking Value	Success Booking Value	Avg. Distance Travelled	Total Distance Travelled
 Prime Sedan	8.30M	5.22M	25.01	234535
 Prime SUV	7.93M	4.88M	24.88	223848
 Prime Plus	8.05M	5.02M	25.03	227186
 Mini	7.99M	4.89M	24.98	225703
 Auto	8.09M	5.05M	10.04	92043
 Bike	7.99M	4.97M	24.93	227746
 E-Bike	8.18M	5.05M	25.15	230842

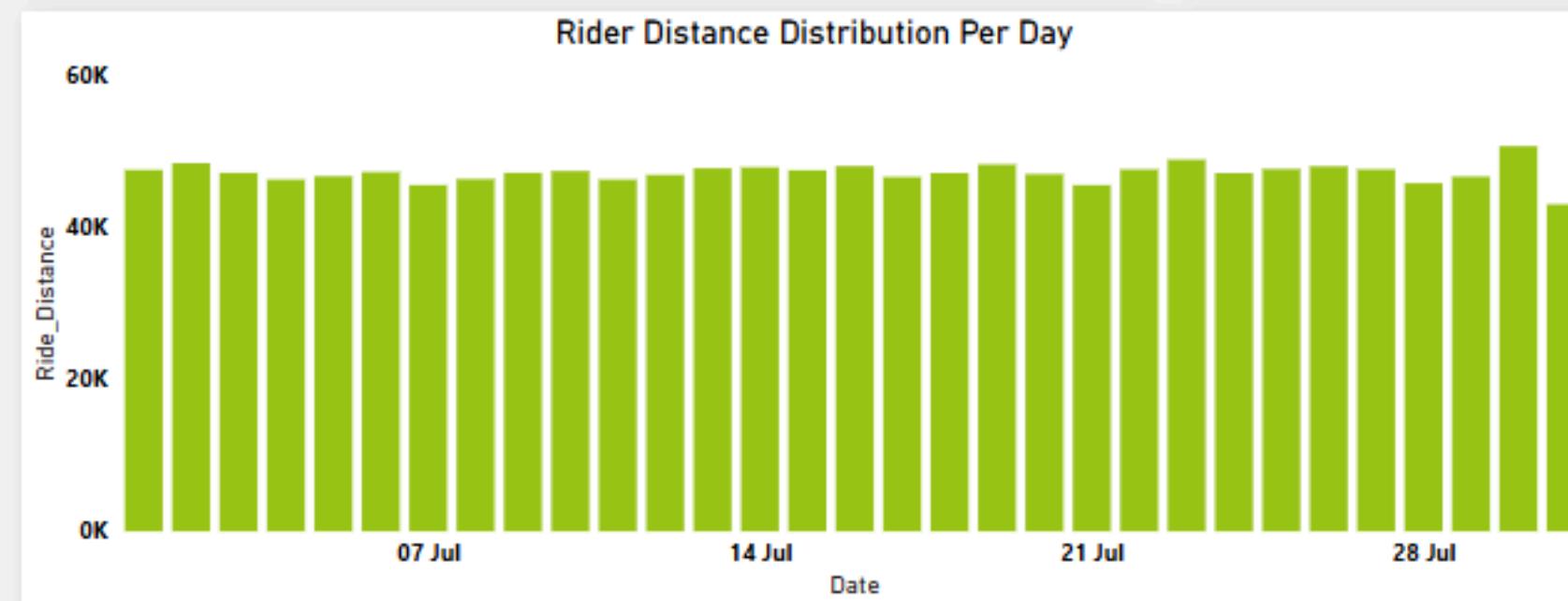
# DASHBOARD



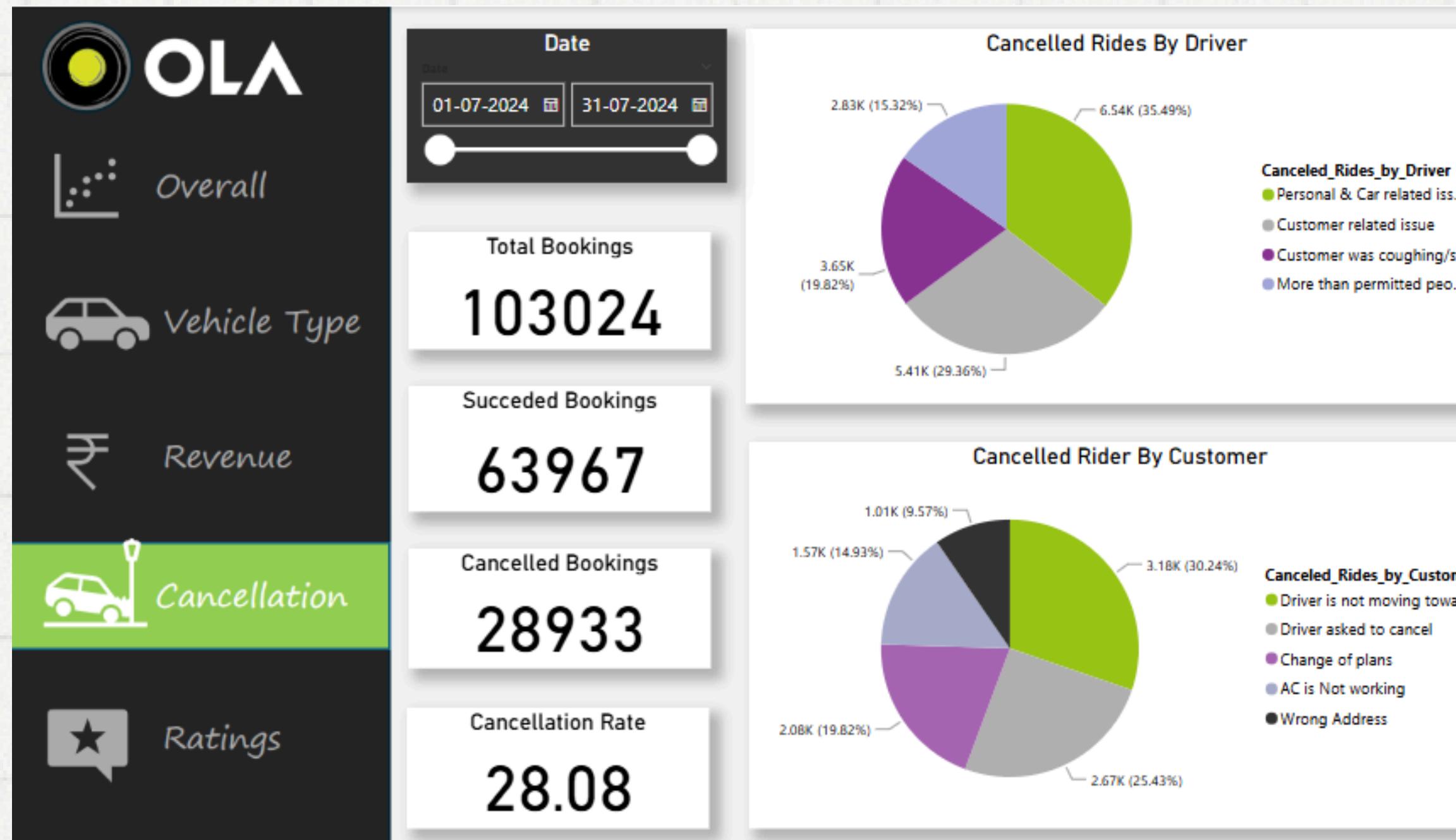
Date:

### Top 5 Customers

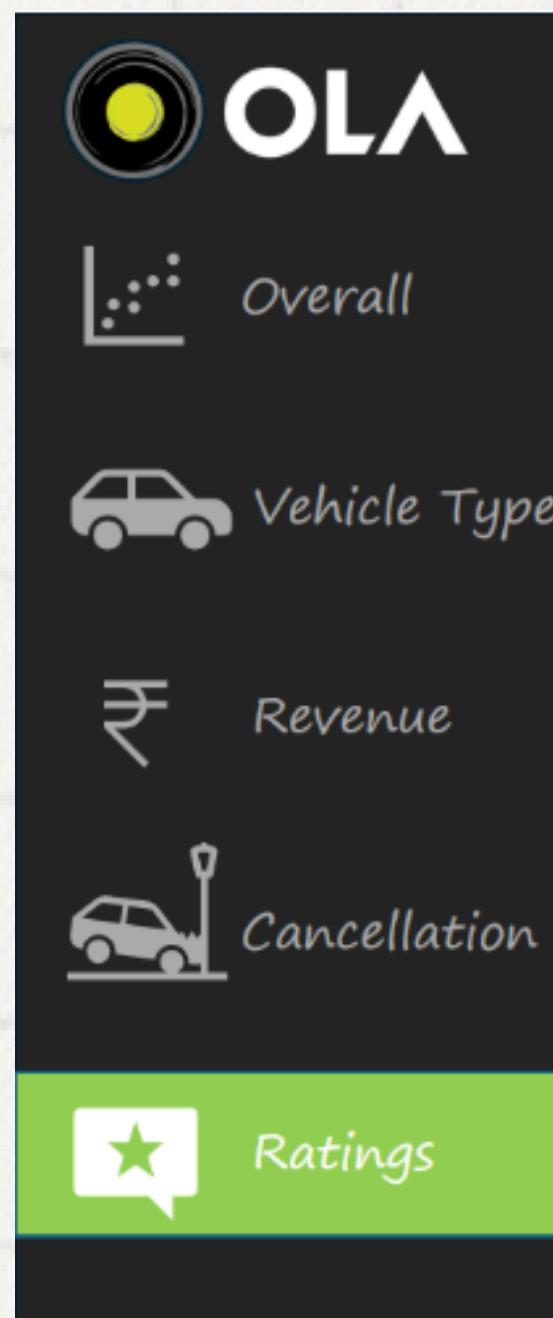
Customer_ID	Booking_Value
CID308763	6281
CID353074	6110
CID734557	6177
CID785112	8025
CID836942	6019
Total	32612



# DASHBOARD



# DASHBOARD



## Driver Ratings

Prime Sedan	Prime SUV	Prime Plus	Mini	Auto	Bike	E-Bike
3.99	4.01	4.00	3.99	4.00	3.98	4.01

## Customer Ratings

Prime Sedan	Prime SUV	Prime Plus	Mini	Auto	Bike	E-Bike
4.00	4.00	4.01	4.00	4.00	3.99	3.99

# THANK YOU

For joining me on this journey of exploring OLA Ride Analysis  
Our knowledge and skills will continue to evolve with practice and experimentation..



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<https://github.com/shaky1405>