

Ola Data Analyst Project

SQL Questions:

1. Retrieve all successful bookings:
2. Find the average ride distance for each vehicle type:
3. Get the total number of cancelled rides by customers:
4. List the top 5 customers who booked the highest number of rides:
5. Get the number of rides cancelled by drivers due to personal and car-related issues:
6. Find the maximum and minimum driver ratings for Prime Sedan bookings:
7. Retrieve all rides where payment was made using UPI:
8. Find the average customer rating per vehicle type:
9. Calculate the total booking value of rides completed successfully:
10. List all incomplete rides along with the reason:

1. Retrieve all successful bookings:

```
Create View Successful_Bookings As  
  
select * from bookings  
  
where Booking_Status = 'Success';  
  
select * from Successful_Bookings;
```

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

```
select Vehicle_Type, avg(Ride_Distance) as Avg_Ride_Dist  
  
from bookings  
  
group by Vehicle_Type  
  
order by Avg_Ride_Dist desc;
```

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

```
Select count(Canceled_Rides_by_Customer) as Total_Cancelled_Ride  
  
from bookings;  
  
# OR  
  
SELECT COUNT(*) FROM bookings WHERE Booking_Status = 'canceled by Customer';
```

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

```
select Customer_ID , count(Booking_ID) total_rides  
  
from bookings  
  
group by Customer_ID
```

```
order by total_rides desc
```

```
limit 5;
```

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

```
select count(Canceled_Rides_by_Driver) as Total_Cancelled_Rides_By_Deiver
```

```
from bookings
```

```
where Canceled_Rides_by_Driver = 'Personal & Car related issue';
```

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

```
select max(Driver_Ratings) as Max_Driver_Rating, min(Driver_Ratings)
```

```
from bookings
```

```
where Vehicle_Type = 'Prime Sedan';
```

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

```
select *
```

```
from bookings
```

```
where Payment_Method = 'UPI';
```

8. Find the average customer rating per vehicle type:

```
select Vehicle_Type, round(avg(Customer_Rating), 2) as Avg_Cust_Rating
```

```
from bookings
```

```
group by Vehicle_Type;
```

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

```
select Sum(Booking_Value) Total_Booking_Value
```

```
from bookings
```

```
where Booking_Status = 'Success';
```

10. List all incomplete rides along with the reason:

```
select Incomplete_Rides_Reason
```

```
from bookings
```

```
where Incomplete_Rides = 'Yes';
```

Power BI Questions:

1. Ride Volume Over Time
2. Booking Status Breakdown
3. Top 5 Vehicle Types by Ride Distance
4. Average Customer Ratings by Vehicle Type
5. cancelled Rides Reasons
6. Revenue by Payment Method
7. Top 5 Customers by Total Booking Value
8. Ride Distance Distribution Per Day
9. Driver Ratings Distribution
10. Customer vs. Driver Ratings

Segregation of the views:**1. Overall**

- Ride Volume Over Time
- Booking Status Breakdown

2. Vehicle Type

- Top 5 Vehicle Types by Ride Distance

3. Revenue

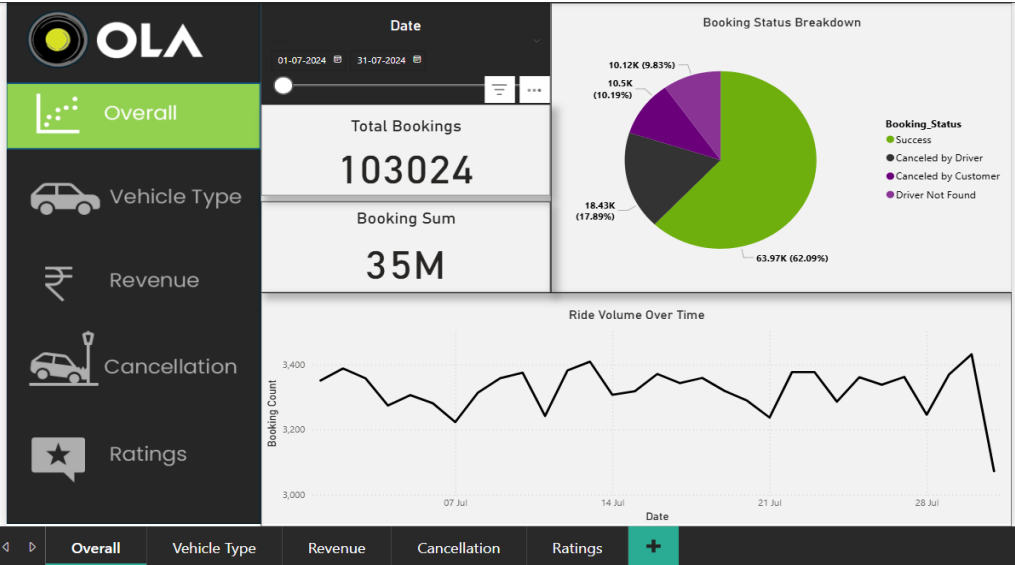
- Revenue by Payment Method
- Top 5 Customers by Total Booking Value
- Ride Distance Distribution Per Day

4. Cancellation

- Cancelled Rides Reasons (Customer)
- cancelled Rides Reasons(Drivers)

5. Ratings

- Driver Ratings
- Customer Ratings



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Vehicle Type

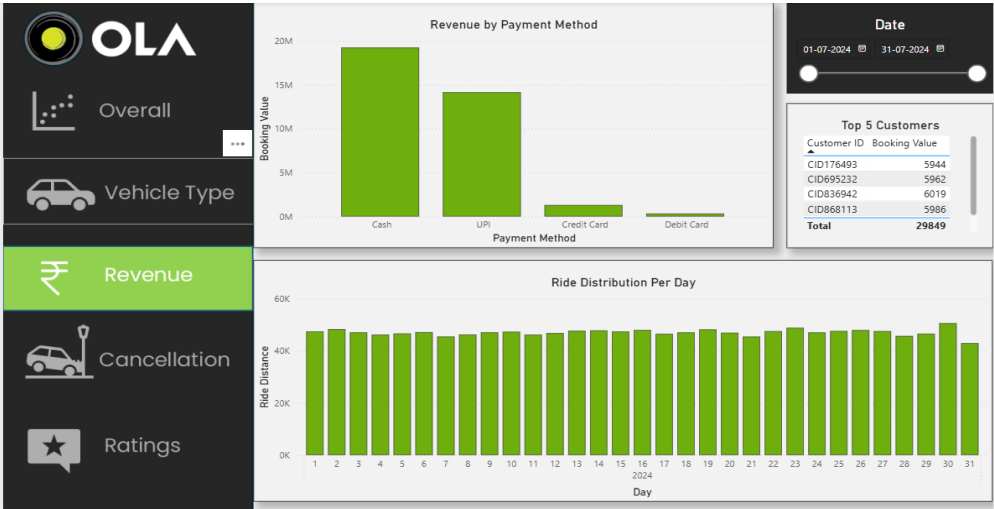
Revenue

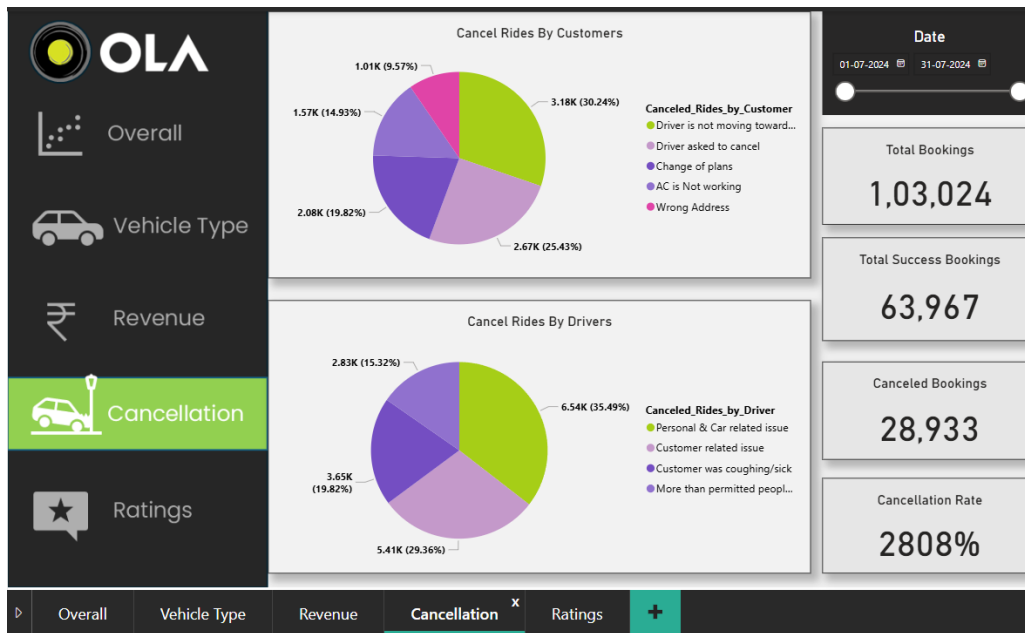
Cancellation

Ratings

Vehicle Type	Total Booking Value	Success Booking Value	Avg. Distance Travelled	Total Distance Travelled
Prime Sedan	8.30M	5M	25.01	235K
Prime SUV	7.93M	4.88M	24.88	224K
Prime Plus	8.05M	5.02M	25.03	227K
Mini	7.99M	4.89M	24.98	226K
Auto	8.09M	5.05M	10.04	92K
Bike	7.99M	4.97M	24.93	228K
E-Bike	8.18M	5.05M	25.15	231K

OverallVehicle TypeRevenueCancellationRatings+





Overall

Vehicle Type

₹ Revenue

Cancellation

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

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

Overall

Vehicle Type

Revenue

Cancellation

Ratings

+