OLA ANALYSIS PROJECT

MS Excel, SQL , Power BI

by Himanshu Bhatt

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:

Q1. Retrieve all successful bookings

```sql
create view All_successfull_bookings as
select *from bookings
where Booking_Status = "success";


-- for easy access
select*from All_successfull_bookings;
```

Q2. find the average distance for each vehicle type

```sql
create view avg_ride_distance_for_each_vehicle as
select Vehicle_Type, avg (Ride_Distance) as avg_distance
from bookings
group by Vehicle_Type ;

-- for easy access
select *from avg_ride_distance_for_each_vehicle;
```

Result Grid | Filter Rows:

Vehicle_Type	avg_distance
Prime Sedan	15.7649
Bike	15.5331
Prime SUV	15.2745
eBike	15.5806
Mini	15.5101
Prime Plus	15.4475
Auto	6.2381

Q3. Get the total number of cancelled rides by customer

```sql
create view total_cancelled_rides_by_customer as
SELECT COUNT(*) AS Total_Cancelled_Rides
FROM bookings
WHERE Booking_Status = 'Canceled by Customer';

-- for easy access
select* from total_cancelled_rides_by_customer  ;
```

Result Grid | Filter Ro

	Total_Cancelled_Rides
▶	10499

Q4. list the top 5 customers who booked the highest number of rides

```sql
create view Top_5_customer as
select Customer_ID, count(Booking_ID) as total_rides
from bookings
group by Customer_ID
order by total_rides desc limit 5 ;

-- for easy access
select* from Top_5_customer ;
```

Result Grid | Filter Rows:

Customer_ID	total_rides
CID954071	5
CID539191	4
CID189965	4
CID268274	4
CID952434	4

Q5. Get the number of rides cancelled by drivers due to personal and car-related issues

```sql
create view cancelled_due_to_personal_and_car_related_issues as
select count(*)  as  cancelled_rides
from bookings
where  Canceled_Rides_by_Driver = "Personal & Car related issue";

-- for easy access
select* from cancelled_due_to_personal_and_car_related_issues ;
```

Result Grid

	cancelled_rides
▶	6542

Q6. find the maximum and minimum drivers ratings for prime sedan bookings

```sql
create view max_and_min_driverr_ratings_for_prime_sedan as
select MAX(Driver_Ratings) as max_ratings,
MIN(Driver_Ratings) as min_ratings
from bookings where Vehicle_Type = "Prime Sedan";

-- for easy access
select * from max_and_min_driverr_ratings_for_prime_sedan;
```

Result Grid | Filter Rows:

	max_ratings	min_ratings
▶	5	3

Q7 Retreive all rides where payment was made using UPI:

```
64 •    create  view all_rides_when_upi as
65      select*
66      FROM bookings
67      where Payment_Method = "UPI";
68
69      -- for easy  access
70 •    select * from all_rides_when_upi;
```

Q8. find the average customer rating per vehicle type

```sql
create view avg_customer_rating_per_vehicle as
select  vehicle_Type, avg(Customer_Rating) as avg_customer_rating
from bookings
group by Vehicle_Type ;

-- for easy access
select * from avg_customer_rating_per_vehicle ;
```

Result Grid | Filter Rows:

vehicle_Type	avg_customer_rating
Prime Sedan	4.001588655506982
Bike	3.993376395883525
Prime SUV	3.999377501111586
eBike	3.98785403050109
Mini	3.9977312970341075
Prime Plus	4.009498622589555
Auto	3.998810952329009

Q9. calculate the total booking value of rides completed successfully:

```sql
create view total_booking_value_of_rides_completed as
select count(*)
from bookings
where Booking_Status ="success";

 -- for easy access
select* from total_booking_value_of_rides_completed ;
```

Result Grid

	count(*)
▶	63967

Q10. list all the incomplete rides along with the reason

```sql
create view incomplete_rides_along_the_reason as
select Booking_ID ,Incomplete_Rides_Reason
from bookings
where Incomplete_Rides = "Yes" ;

-- for easy access
select *from incomplete_rides_along_the_reason ;
```

OLA PROJECT VISUALISATION

Power BI Dashboard

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

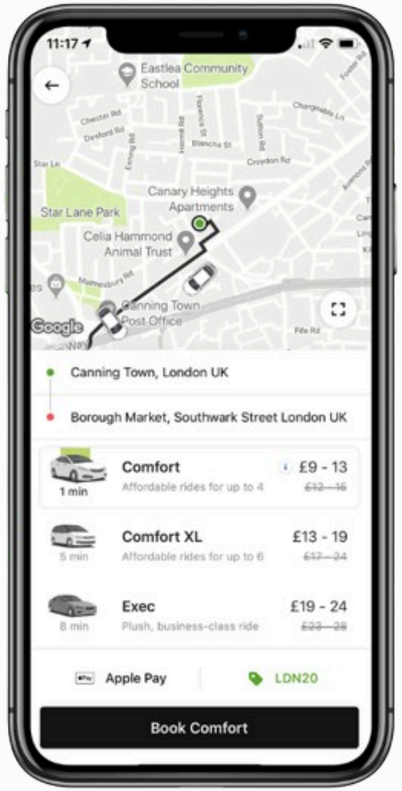
4. Cancellation

Cancelled Rides Reasons (Customer)

cancelled Rides Reasons(Drivers)

5. Ratings

Driver Ratings Customer Ratings



OLA

Overall

Vehicle Type

Revenue

Cancellation

Ratings

date

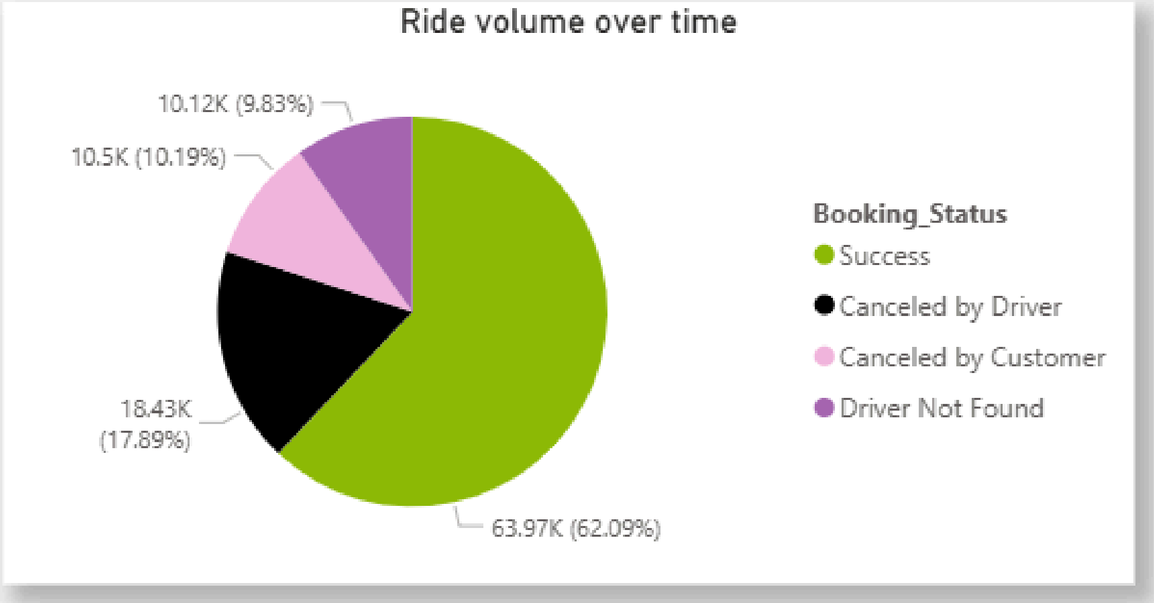
01-07-2024 31-07-2024

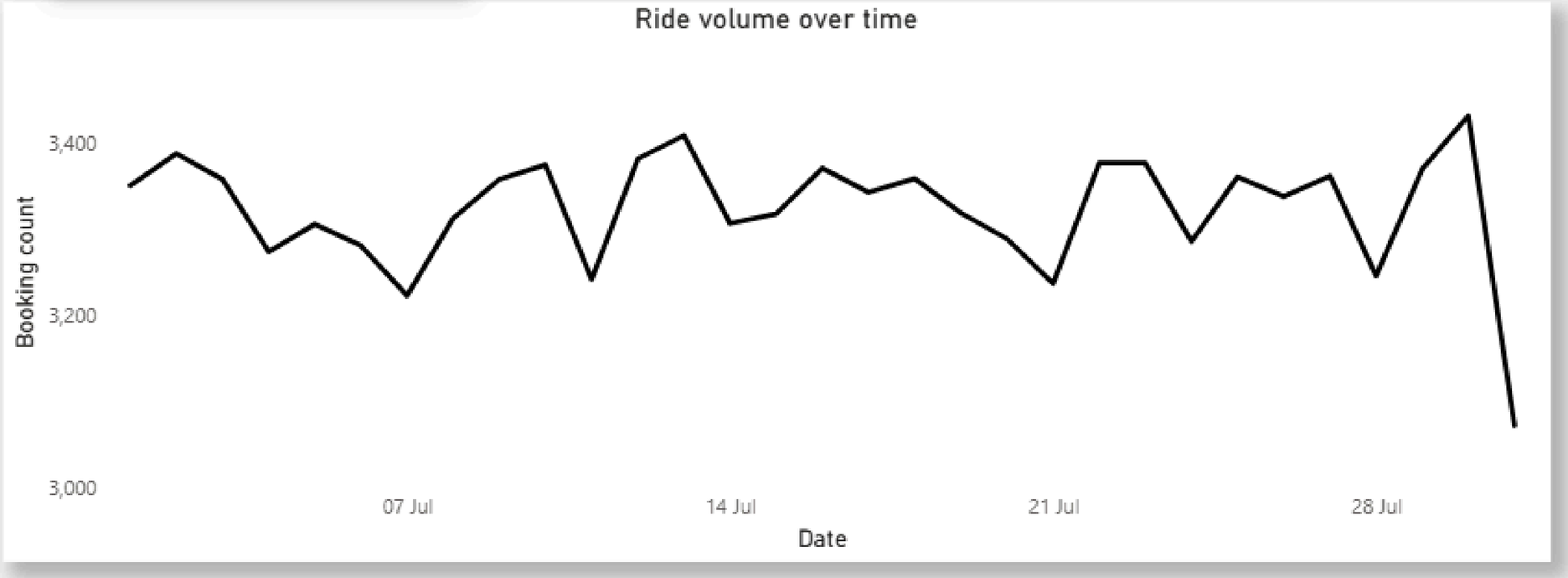
total bookings

103024

total booking value

35M





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	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

OLA

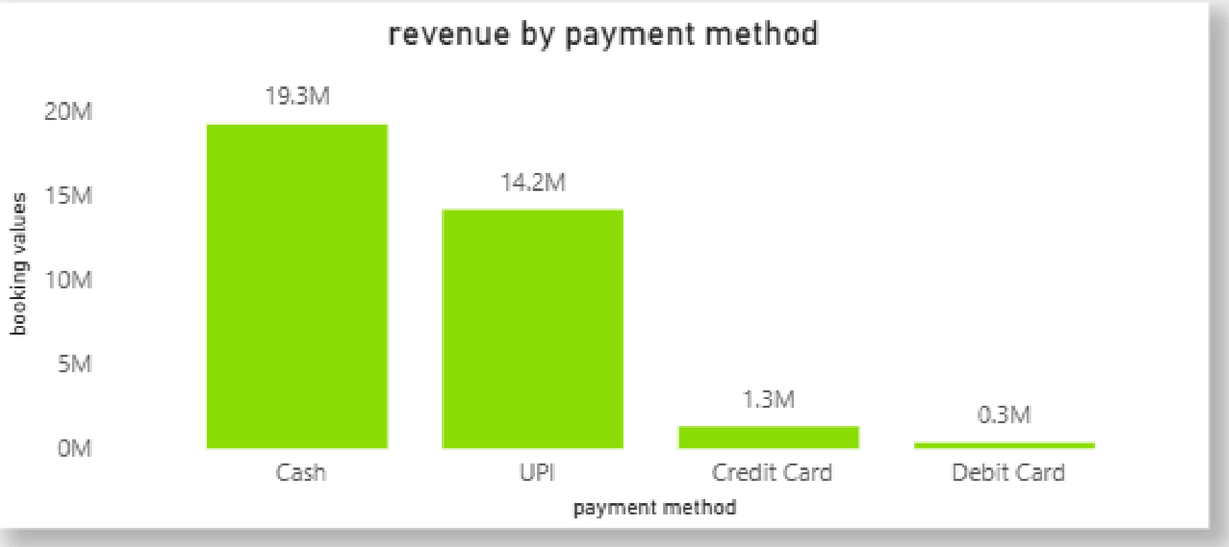
Overall

Vehicle Type

Revenue

Cancellation

Ratings

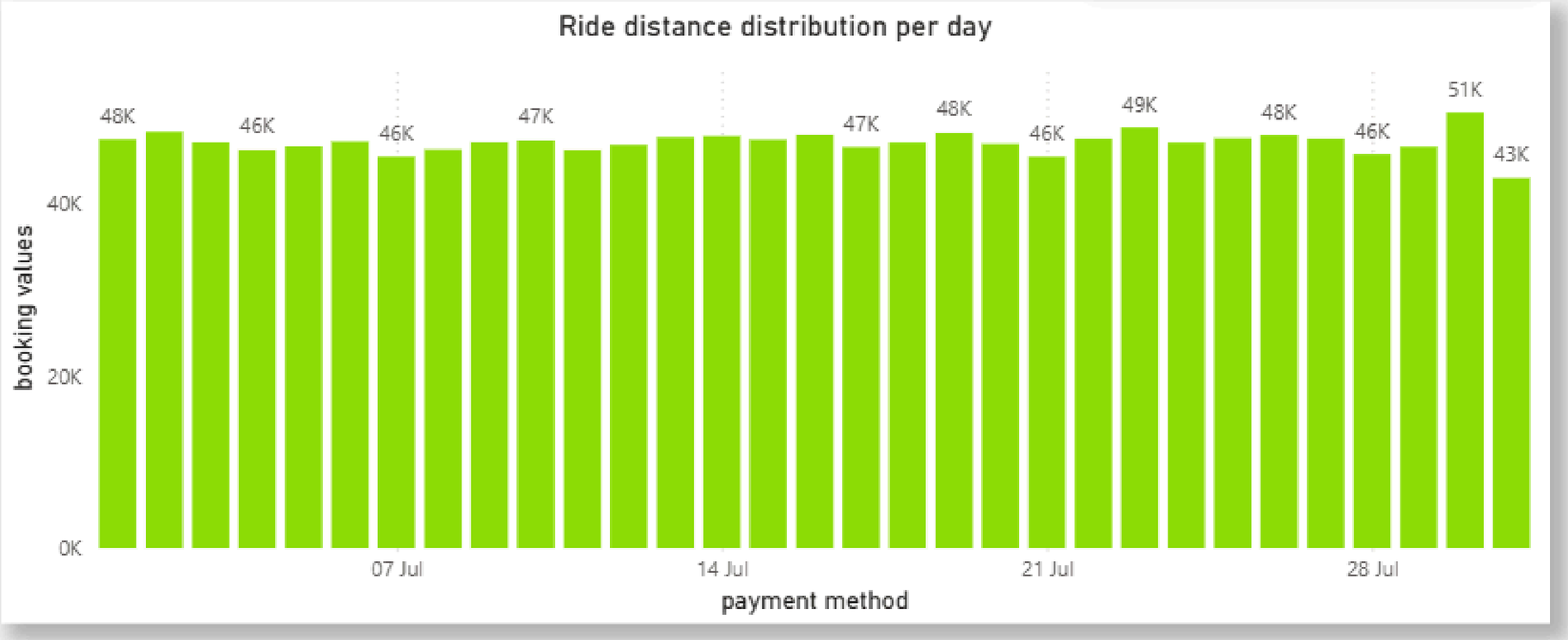


date

01-07-2024

31-07-2024

Customer_ID	Sum of Booking_Value
CID176493	5944
CID695232	5962
CID836942	6019
CID868113	5986
CID902403	5938
Total	**29849**



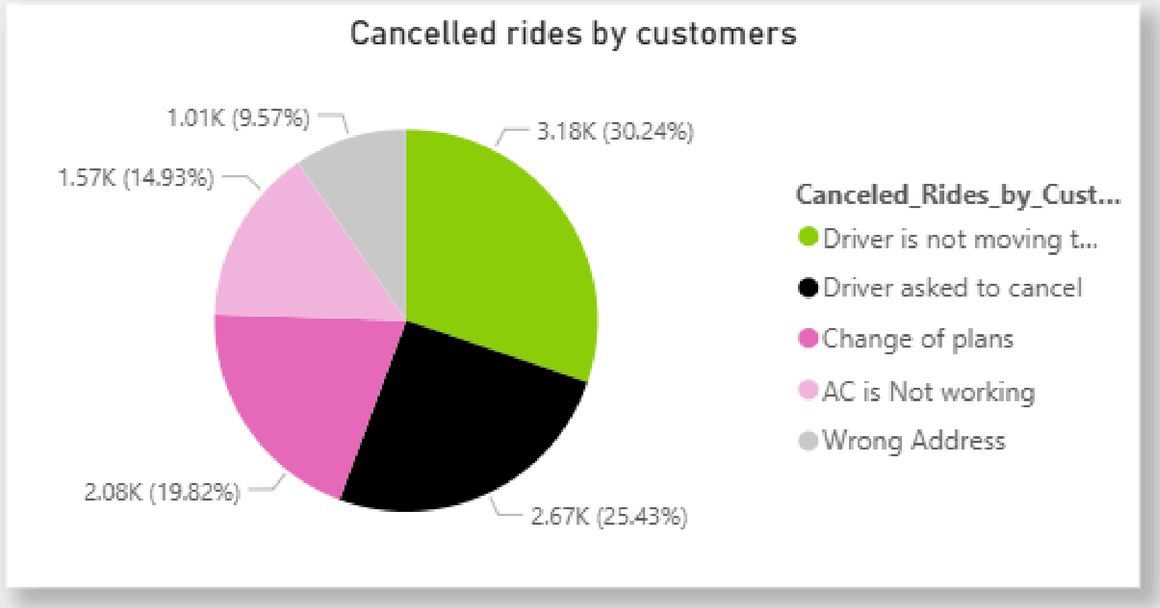
OLA

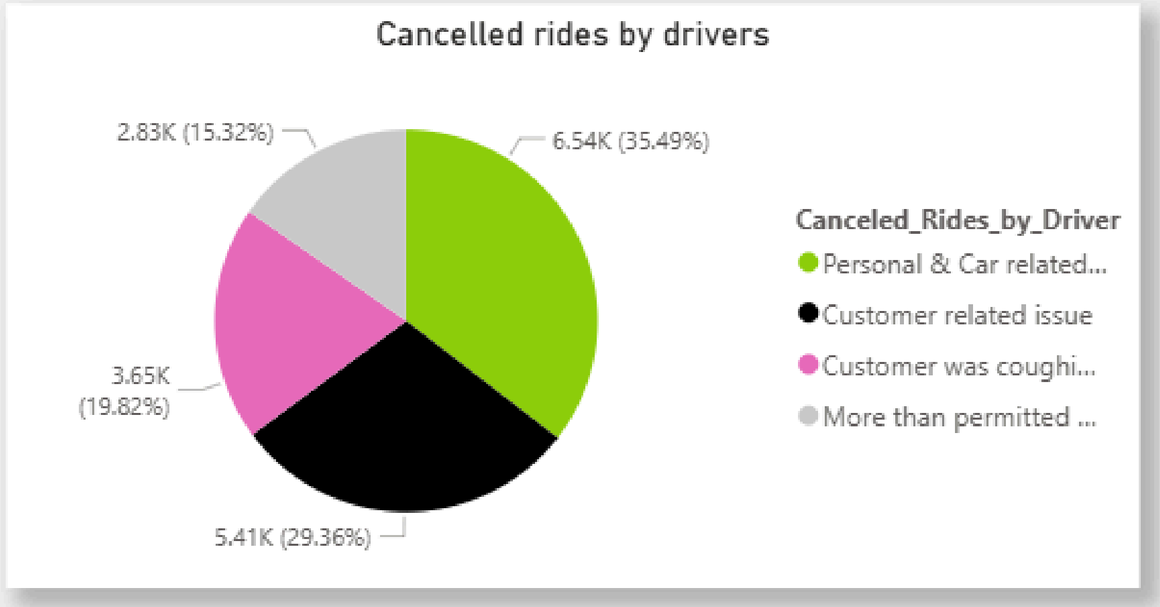
- Overall
- Vehicle Type
- Revenue
- Cancellation
- Ratings

date

01-07-2024 — 31-07-2024

total bookings	103024
succeeded bookings	63967
cancelled bookings	28933
total bookings	28.08





OLA

- Overall
- Vehicle Type
- Revenue
- Cancellation
- Ratings

date: 01-07-2024 to 31-07-2024

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

THANKYOU

FOR YOUR ATTENTION

-- HIMANSHU BHATT