

**Data Analysis Project**

**Data Columns**

1. Date

2. Time

3. Booking\_ID

4. Booking\_Status

5. Customer\_ID

6. Vehicle\_Type – Auto, Prime Plus, Prime Sedan, Mini, Bike, EBike, Prime SUV

7. Pickup\_Location-

8. Drop\_Location-

9. V\_TAT - (Time taken to arrive at the vehicle)

10. C\_TAT – (Time taken to arrive the Customer)

11. Cancelled\_Rides\_by\_Customer-

* Driver is not moving towards pickup location
* Driver asked to cancel
* AC is not working (Only for 4-wheelers)
* Change of plans
* Wrong Address

12. Cancelled\_Rides\_by\_Driver :

* Personal & Car related issues
* Customer related issue
* The customer was coughing/sick
* More than permitted people in there

13. Incomplete\_Rides

14. Incomplete\_Rides\_Reason

* Customer Demand
* Vehicle Breakdown
* Other Issue

15. Booking\_Value

16. Payment\_Method

17. Ride\_Distance

18. Driver\_Ratings

19. Customer\_Rating

**OLA Project Analysis using SQL**

Create Database Ola;

Use Ola;

**#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;

**#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;

**#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';

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**#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;

**#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';

**OLA Data Analyst Project Using Power BI**

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