**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:

**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

Data Columns

1. Date 10. C\_TAT

2. Time 11. cancelled\_Rides\_by\_Customer

3. Booking\_ID 12. cancelled\_Rides\_by\_Driver

4. Booking\_Status 13. Incomplete\_Rides

5. Customer\_ID 14. Incomplete\_Rides\_Reason

6. Vehicle\_Type 15. Booking\_Value

7. Pickup\_Location 16. Payment\_Method

8. Drop\_Location 17. Ride\_Distance

9. V\_TAT 18. Driver\_Ratings

19. Customer\_Rating

OLA Data Analyst Project SQL Answers:

1. Retrieve all successful bookings:

SELECT \* FROM bookings WHERE Booking\_Status = 'Success';

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

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:

SELECT COUNT(\*) FROM bookings WHERE Booking\_Status = 'cancelled by Customer';

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

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:

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:

SELECT MAX(Driver\_Ratings) as max\_rating, MIN(Driver\_Ratings) as min\_rating 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, AVG(Customer\_Rating) as avg\_customer\_rating FROM bookings GROUP BY Vehicle\_Type;

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

SELECT SUM(Booking\_Value) as total\_successful\_value FROM bookings WHERE Booking\_Status = 'Success';

10. List all incomplete rides along with the reason:

SELECT Booking\_ID, Incomplete\_Rides\_Reason FROM bookings WHERE Incomplete\_Rides = 'Yes';

OLA Data Analyst Project Power BI Answers:

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 Answers:

1. Ride Volume Over Time: A time-series chart showing the number of rides per day/week.

2. Booking Status Breakdown: A pie or doughnut chart displaying the proportion of different booking statuses (success, cancelled by the customer, cancelled by the driver, etc.).

3. Top 5 Vehicle Types by Ride Distance: A bar chart ranking vehicle types based on the total distance covered.

4. Average Customer Ratings by Vehicle Type: A column chart showing the average customer ratings for different vehicle types.

5. cancelled Rides Reasons: A bar chart that highlights the common reasons for ride cancellations by customers and drivers.

6. Revenue by Payment Method: A stacked bar chart displaying total revenue based on payment methods (Cash, UPI, Credit Card, etc.).

7. Top 5 Customers by Total Booking Value: A leaderboard visual listing customers who have spent the most on bookings.

8. Ride Distance Distribution Per Day: A histogram or scatter plot showing the distribution of ride distances for different Dates.

9. Driver Rating Distribution: A box plot visualizing the spread of driver ratings for different vehicle types.

10. Customer vs. Driver Ratings: A scatter plot comparing customer and driver ratings for each completed ride, analyzing correlations