



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:**

### **Overall**

- Ride Volume Over Time
- Booking Status Breakdown

### **Vehicle Type**

- Top 5 Vehicle Types by Ride Distance
- Average Customer Ratings by Vehicle Type

### **Revenue**

- cancelled Rides Reasons
- Revenue by Payment Method

### **Cancellation**

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

### **Ratings**

- Driver Ratings Distribution
- Customer vs. Driver Ratings

## SQL Questions & Answers

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 total_cancelled_rides_by_customers as
select count(*) from Bookings
where Booking_status='Canceled By customer';
```

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

```
create view top_5_customers_who_booked_the_highest_number_of_rides 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 ride_canceled_by_driver as
select count(*) from bookings
where canceled_rides_by_driver='personal & car related issue';
```

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

```
create view maximum_and_minimum_driver_ratings_for_Prime_Sedan_bookings as
select min(driver_ratings), max(driver_ratings)
from bookings
where vehicle_type='Prime sedan';
```

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

```
create view rides_where_payment_was_made_using_UPI as
select * from bookings
where payment_method='UPI';
```

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

```
create view average_customer_rating_per_vehicle_type as
select vehicle_type ,Avg(customer_rating) as avg_cust_rating
from bookings
group by vehicle_type;
```

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

```
create view total_booking_value_of_rides_completed_successfully 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 List_incomplete_rides_along_with_the_reason as
select booking_id , incomplete_rides_reason
from bookings
where incomplete_rides='yes';
```

**Retrieve All Answers**

#1. Retrieve all successful bookings:

```
select * from Successful_Bookings;
```

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

```
select * from ride_distance_for_each_vehicle;
```

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

```
select * from total_cancelled_rides_by_customers;
```

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

```
select * from 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:

```
select * from ride_canceled_by_driver ;
```

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

```
select * from maximum_and_minimum_driver_ratings_for_Prime_Sedan_bookings;
```

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

```
select * from rides_where_payment_was_made_using_UPI;
```

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

```
select * from average_customer_rating_per_vehicle_type;
```

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

```
select * from total_booking_value_of_rides_completed_successfully;
```

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

```
select * from List_incomplete_rides_along_with_the_reason;
```

