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

2. Time

3. Booking_ID

4. Booking_Status

5. Customer_ID

6. Vehicle_Type

7. Pickup_Location

8. Drop_Location

9. V_TAT

10. C_TAT

11. cancelled_Rides_by_Customer

12. cancelled_Rides_by_Driver

13. Incomplete_Rides

14. Incomplete_Rides_Reason

15. Booking_Value

16. Payment_Method

17. Ride_Distance

18. Driver_Ratings

19. Customer_Rating

SQL ANSWERS

-- 1. Retrieve all successful bookings:

```
select * from booking where "Booking_Status" = 'Success';
```

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

```
select "Vehicle_Type" , AVG("Ride_Distance")
from booking
group by "Vehicle_Type";
```

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

```
select count("Booking_Status") from booking
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") as total_rides
from booking
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("Booking_ID") from booking
where "Booking_Status" = 'Canceled by Driver' and
"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_rating ,
min("Driver_Ratings") as min_rating
from booking
where "Vehicle_Type" = 'Prime Sedan';
```

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

```
select * from booking

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

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

```
select "Vehicle_Type" , ROUND(AVG("Customer_Rating")::NUMERIC,2)

from booking

group by "Vehicle_Type";
```

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

```
select SUM("Booking_Value") as total_successful_value from booking where

"Booking_Status" = 'Success';
```

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

```
select "Booking_ID", "Incomplete_Rides_Reason" FROM booking WHERE
"Incomplete_Rides" =

'Yes';
```

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