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OLA BOOKING ANALYSIS

Presented By:-
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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 Avg_Ride_Distance AS  
SELECT vehicle_type,  
       ROUND(AVG(ride_distance), 3) AS avg_ride_distance_km  
FROM bookings  
GROUP BY vehicle_type;
```



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

```
CREATE VIEW cancelled_rides_by_customers AS
SELECT COUNT(*) AS cancelled_by_customer_count
FROM bookings
WHERE booking_status = 'Cancelled by Customer'
| OR canceled_by = 'Customer';
```

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

```
CREATE VIEW highest_number_of_rides AS
SELECT customer_id,
| | | COUNT(booking_id) AS rides_booked
FROM bookings
GROUP BY customer_id
ORDER BY rides_booked DESC
LIMIT 5;
```

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

```
CREATE VIEW rides_cancelled_by_drivers AS
SELECT COUNT(*) AS cancelled_by_driver_count
FROM bookings
WHERE (booking_status = 'Cancelled by Driver' OR canceled_by = 'Driver')
AND (
    LOWER(canceled_reason) LIKE '%personal%' OR
    LOWER(canceled_reason) LIKE '%car%' OR
    LOWER(canceled_reason) LIKE '%vehicle%'
);
```

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

```
CREATE VIEW maximum_and_minimum_driver_ratings AS
SELECT vehicle_type,
       MAX(driver_rating) AS max_driver_rating,
       MIN(driver_rating) AS min_driver_rating
FROM bookings
WHERE vehicle_type = 'Prime Sedan'
GROUP BY vehicle_type;
```

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

```
CREATE VIEW UPI_Payment AS  
SELECT *  
FROM bookings  
WHERE LOWER(payment_method) = 'UPI';
```

8. Find the average customer rating per vehicle type.

```
CREATE VIEW Avg_Customer_Rating AS  
SELECT vehicle_type,  
       ROUND(AVG(customer_rating), 2) AS avg_rating  
FROM bookings  
GROUP BY vehicle_type  
ORDER BY avg_rating DESC;
```

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

```
CREATE VIEW total_booking_value AS  
SELECT SUM(booking_value) AS total_completed_booking_value  
FROM bookings  
WHERE booking_status = 'Success';
```

10. List all incomplete rides along with the reason:

```
CREATE VIEW incomplete_rides AS  
SELECT booking_id,  
       incomplete_reason  
FROM bookings  
WHERE incomplete_ride = TRUE  
      OR booking_status = 'Incomplete';
```



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THANK YOU !!

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