OLA RIDE BOOKING ANALYSIS

- Dataset Overview
- Booking Status Distribution (Success vs. Canceled)
- Most Common Pickup and Drop Locations
- Popular Vehicle Types Used
- Average Ride Distance and Value
- Cancellation Insights (Customer vs. Driver)
- Rating Analysis (Customer and Driver Ratings)
- Payment Method Trends

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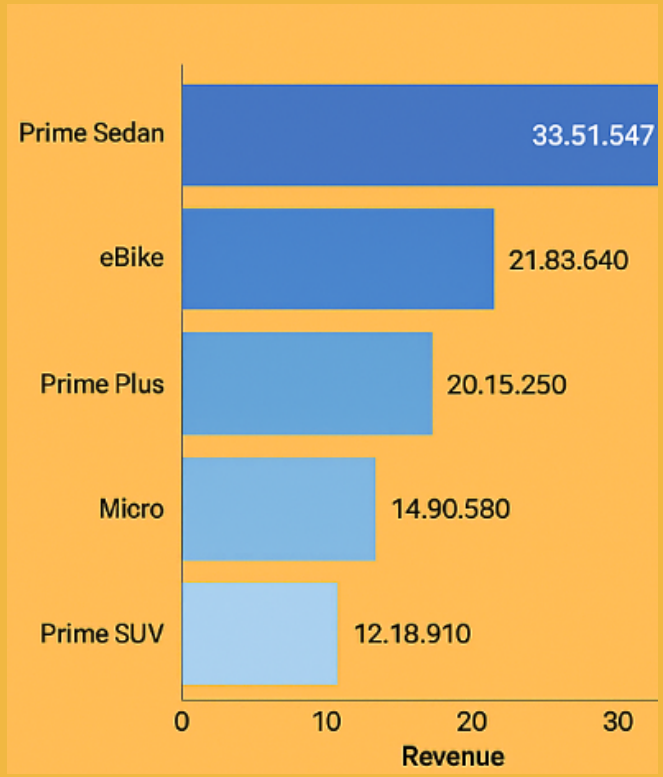
WHICH CAB TYPE GENERATES THE MOST REVENUE OVERALL ?

```sql
SELECT
    Vehicle_Type,
    SUM(Booking_Value) AS revenue,
    Incomplete_Rides
FROM
    ola_data
WHERE
    Incomplete_Rides = 'No'
GROUP BY Vehicle_Type
ORDER BY revenue DESC;
```

Vehicle_Type	revenue
Prime Sedan	3351847
eBike	3297876
Prime Plus	3248361
Bike	3225485
Auto	3224798
Mini	3186430
Prime SUV	3145341



“PRIME SEDAN GENERATES THE HIGHEST REVENUE: ₹33,51,847”

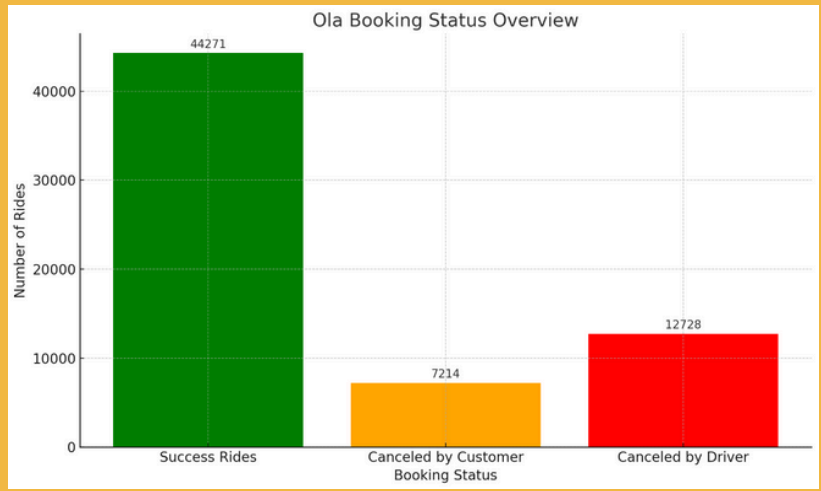
WHAT IS THE AVERAGE RIDE DURATION FOR EACH RIDE TYPE (E.G., MICRO, MINI, PRIME)?

```sql
SELECT
    Vehicle_Type AS Veh_typ,
    COUNT(Booking_Status) AS order_Count,
    ROUND(AVG(C_TAT), 2) AS duration
FROM
    ola_data
WHERE
    Booking_Status = 'Success'
GROUP BY Veh_typ
ORDER BY duration DESC;
```

Veh_typ	order_Count	duration
Auto	6289	85.64
eBike	6410	85.33
Prime Sedan	6483	85.25
Prime Plus	6256	85.11
Bike	6399	84.67
Prime SUV	6188	84.61
Mini	6246	84.06

WHAT IS THE TOTAL NUMBER OF BOOKINGS, SUCCESSFUL RIDES, AND CANCELED RIDES (BY DRIVER AND BY CUSTOMER)?

```sql
SELECT
    COUNT(Booking_ID) Total_booking,
    COUNT(CASE
        WHEN Booking_Status = 'Success' THEN 1
    END) AS Success_ride,
    COUNT(CASE
        WHEN Booking_Status = 'Canceled by Customer' THEN 1
    END) AS Cancel_by_Customer,
    COUNT(CASE
        WHEN Booking_Status = 'Canceled by Driver' THEN 1
    END) AS Cancel_by_Driver
FROM
    ola_data;
```



Total_booking	Success_ride	Cancel_by_Customer	Cancel_by_Driver
71201	44271	7214	12728

WHAT IS THE AVERAGE RIDE DISTANCE AND FARE PER VEHICLE TYPE?

```sql
SELECT
    (Vehicle_Type) AS Vehicle_Type,
    SUM(Ride_Distance) AS Distance,
    SUM(Booking_Value) AS Fair_price
FROM
    ola_data
GROUP BY Vehicle_Type
ORDER BY Fair_price DESC;
```

Vehicle_Type	Distance	Fair_price
Prime Sedan	161212	5756236
eBike	160539	5665716
Prime Plus	156395	5571102
Bike	160506	5542963
Auto	63205	5535527
Mini	156003	5486800
Prime SUV	153664	5476458

WHICH (TOP 10) HOUR OF THE DAY SEES THE HIGHEST NUMBER OF RIDE BOOKINGS?

```sql
SELECT
    HOUR(Time) AS Hours, COUNT(Booking_ID) Num_of_rides
FROM
    ola_data
GROUP BY Hours
ORDER BY Num_of_rides DESC;
```

Hours	Num_of_rides
8	3037
17	3021
12	3014
9	3013
15	3013
21	3009
0	3004
19	2994
1	2991
7	2988

1. MOST OF THE BOOKING ARE DONE AT 8AM IN MORNING
2. MOST OF THE BOOKING ARE DONE AT 5PM IN EVEINING
3. MOST OF THE BOOKING ARE DONE AT 12PM IN AFTERNOON

WHAT ARE THE TOP 5 CUSTOMER IDS WITH THE MOST BOOKINGS AND THEIR AVERAGE RIDE VALUE?

```sql
SELECT
    (Customer_ID), AVG(Booking_Value) AS ride_value
FROM
    ola_data
GROUP BY Customer_ID
ORDER BY ride_value DESC
LIMIT 5;
```

Customer_ID	ride_value
CID536592	2999
CID449284	2999
CID178338	2998
CID159544	2998
CID315200	2998

NUMBER OF COMPLETED RIDES BY PAYMENT METHOD IN

```sql
SELECT
    Payment_Method AS Payment,
    COUNT(Incomplete_Rides) AS complete_rides
FROM
    ola_data
WHERE
    Incomplete_Rides = 'No'
GROUP BY Payment
```

Payment	complete_rides
Cash	22677
UPI	16910
Credit Card	1578
Debit Card	421