Rapido Data Analyst Project

SQL Questions & Answers

--1. Retrieve all successful bookings:

SELECT * FROM rapido_booking

WHERE booking_status = 'Success'

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

SELECT SUM(ride_distance), vehicle_type

FROM rapido_booking

GROUP BY vehicle_type

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

SELECT COUNT(canceled_rides_by_customer)

FROM rapido_booking

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

SELECT customer_id, COUNT(customer_id) AS Top_5_Customer

FROM rapido_booking

GROUP BY customer_id

ORDER BY Top_5_CustomeR DESC LIMIT 5;

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

SELECT COUNT(canceled_rides_by_driver)

FROM rapido_booking

WHERE canceled_rides_by_driver = 'Personal & Car related issue'

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

SELECT MAX(driver_ratings), MIN(driver_ratings)

FROM rapido_booking

WHERE vehicle_type = 'Prime Sedan'

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

SELECT * FROM rapido_booking

WHERE payment_method = 'UPI'

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

SELECT vehicle_type, AVG(customer_rating)

FROM rapido_booking

GROUP BY vehicle_type

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

SELECT SUM(booking_value), vehicle_type

FROM rapido_booking

WHERE booking_status = 'Success'

GROUP BY vehicle_type

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

SELECT incomplete_rides, incomplete_rides_reason

FROM rapido_booking

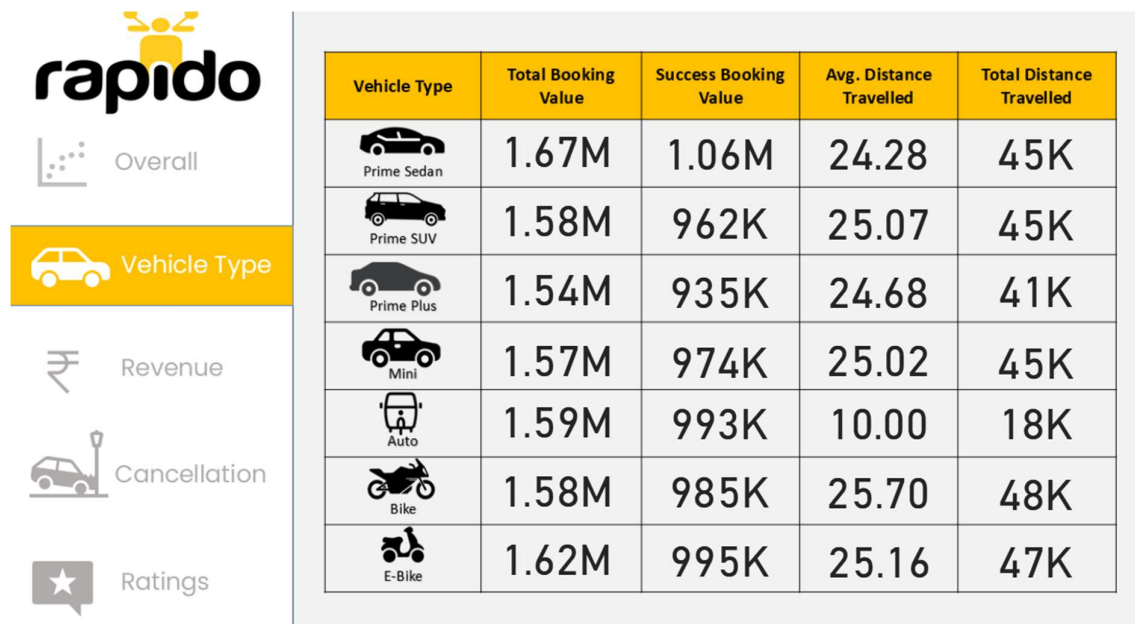WHERE incomplete_rides = 'yes'

POWER BI Questions & Answers

1. Overall

- **Ride Volume Over Time**
  - *Chart Type:* Time-series chart
  - *Insight:* Shows number of rides per day/week to identify usage trends.
- **Booking Status Breakdown**

- *Chart Type:* Pie or doughnut chart
- *Insight:* Displays proportions of booking statuses (successful, cancelled by customer, cancelled by driver, etc.).
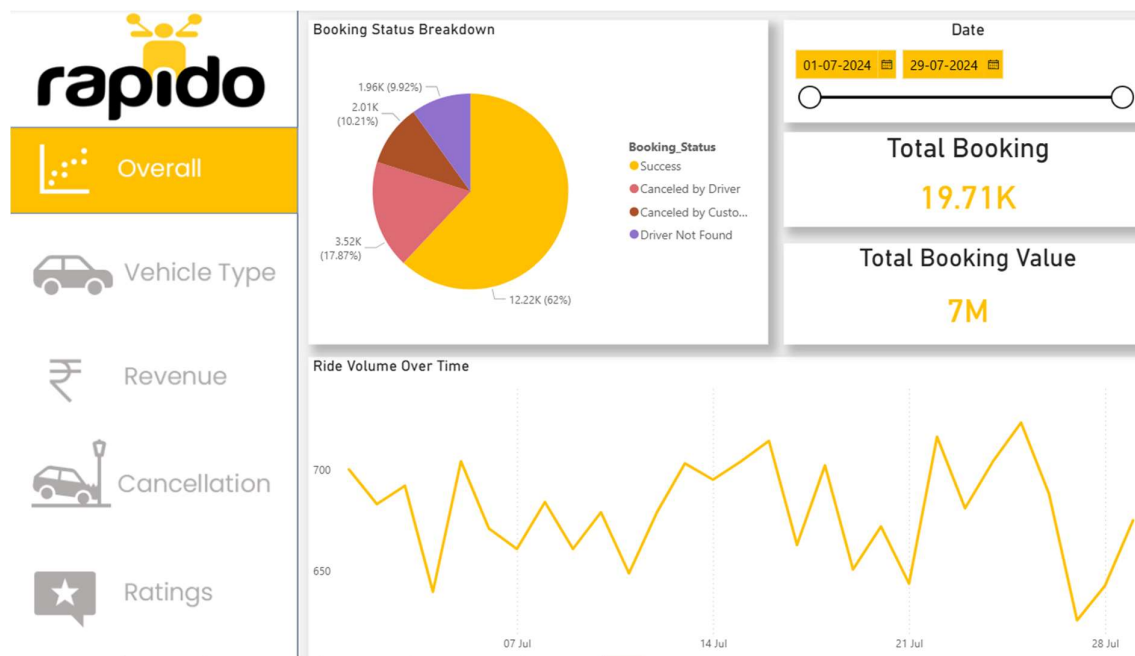
2. Vehicle Type

- **Top 5 Vehicle Types by Ride Distance**
    - *Chart Type:* Bar chart
    - *Insight:* Ranks vehicle types based on total ride distance covered.
- **Average Customer Ratings by Vehicle Type**

- *Chart Type:* Column chart
- *Insight:* Compares average customer ratings across different vehicle types.

Vehicle Type	Total Booking Value	Success Booking Value	Avg. Distance Travelled	Total Distance Travelled
Prime Sedan	1.67M	1.06M	24.28	45K
Prime SUV	1.58M	962K	25.07	45K
Prime Plus	1.54M	935K	24.68	41K
Mini	1.57M	974K	25.02	45K
Auto	1.59M	993K	10.00	18K
Bike	1.58M	985K	25.70	48K
E-Bike	1.62M	995K	25.16	47K

rapido

Overall

Vehicle Type

Revenue

Cancellation

Ratings

3. Revenue

- **Revenue by Payment Method**
  - *Chart Type:* Stacked bar chart
  - *Insight:* Shows total revenue segmented by payment method (Cash, UPI, Credit Card, etc.).
- **Top 5 Customers by Total Booking Value**
  - *Chart Type:* Leaderboard visual
  - *Insight:* Highlights customers with the highest total spend on bookings.
- **Ride Distance Distribution Per Day**

- *Chart Type:* Histogram or scatter plot
- *Insight:* Visualizes how ride distances vary across different dates.
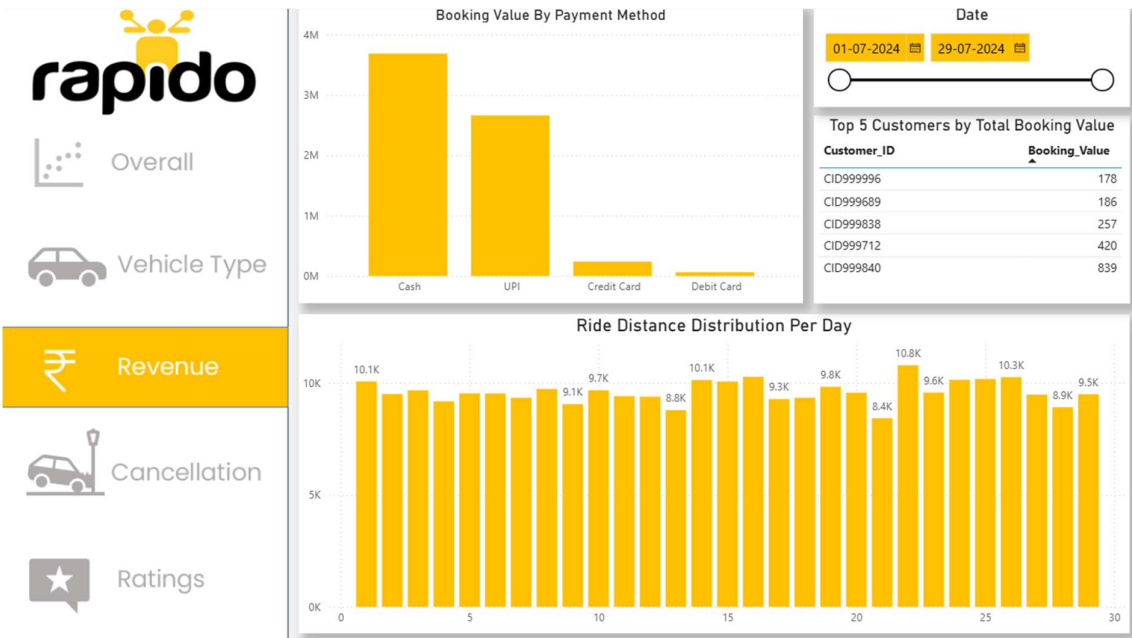
4. Cancellation

- **Cancelled Rides Reasons (Customer)**
  - *Chart Type:* Bar chart
  - *Insight:* Displays common reasons for cancellations initiated by customers.
- **Cancelled Rides Reasons (Driver)**

- *Chart Type:* Bar chart
- *Insight:* Shows frequent cancellation reasons from drivers.
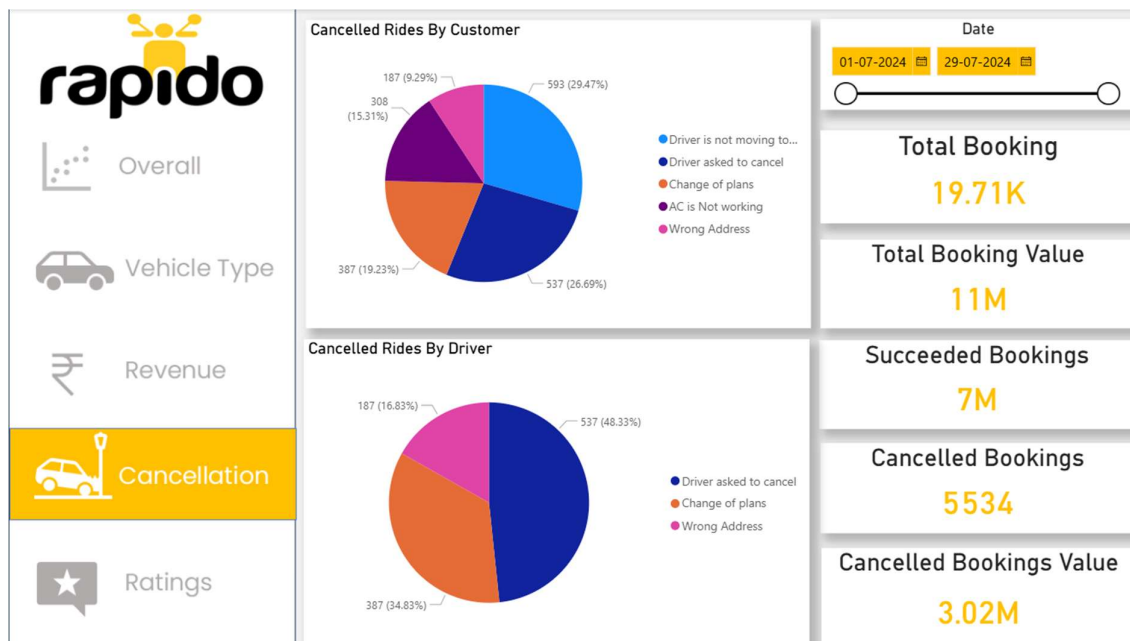
5. Ratings

- **Driver Rating Distribution**
  - *Chart Type:* Box plot
  - *Insight:* Visualizes spread and variability of driver ratings across vehicle types.
- **Customer vs. Driver Ratings**

- *Chart Type:* Scatter plot
- *Insight:* Compares customer and driver ratings per ride to analyze correlation.

rapido

Overall

Vehicle Type

Revenue

Cancellation

Ratings

Customer Ratings

Prime Sedan	Prime SUV	Prime Plus	Mini	Auto	Bike	E-Bike
3.99	3.98	4.00	4.02	4.00	3.98	3.98

Driver Ratings

Prime Sedan	Prime SUV	Prime Plus	Mini	Auto	Bike	E-Bike
4.00	4.00	4.01	3.99	3.99	3.99	4.00