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## **ChatGPT Prompt to Create Data**

Please create a spreadsheet with 10000 rows, for Bengaluru city. Give the following columns. The data will be for 1 month. use the following column -

- 1. Date
- 2. Time
- 3. Booking ID
- 4. Booking Status
- 5. Customer ID
- 6. Vehicle Type
  - Auto
  - Prime Plus
  - Prime Sedan
  - Mini
  - Bike
  - eBike
  - Prime SUV
- 7. Pickup Location (Create dummy location points Take any 50 areas from Bangalore)
- 8. Drop Location (Take from dummy pickup locations)
- 9. Avg VTAT (Time taken to arrive at the vehicle)
- 10. Avg CTAT (Time taken to arrive the Customer)
- 11. Cancelled Rides by Customer
- 12. Reason for cancelling by Customer
- Driver is not moving towards pickup location
- Driver asked to cancel
- AC is not working (Only for 4-wheelers)
- Change of plans
- Wrong Address
- 13. Cancelled Rides by Driver
- Personal & Car related issues
- Customer related issue
- The customer was coughing/sick
- More than permitted people in there
- 14. Incomplete Rides
- 15. Incomplete Rides Reason
- Customer Demand
- Vehicle Breakdown
- Other Issue
- 16. Booking Value
- 17. Ride Distance
- 18. Driver Ratings
- 19. Customer Rating

Keep the overall booking status success for this data at 62%. If the booking status is successful, then only fare charge ratings, average VTAT, average CTAT, and other data will be there.

Make sure orders cancelled by customers should not be more than 7% Make sure orders cancelled drivers should not be more than 18%

Also, increase the number of orders on weekends and match days. Keep match day by using the following dates.

keep incomplete rides less than 6% Keep order value high on weekends

in Food Category keep around 67 Indian keep order ID with 10 digits starting with CNR and then digits keep orders under 500 value 70% keep orders above 500 value 28% keep remaining orders above 1000

## **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
- 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 Questions & Answers**

CREATE DATABASE ola; USE ola;

## #1. Retrieve all successful bookings:

CREATE VIEW successful\_bookings AS SELECT \* FROM booking WHERE Booking\_Status = 'Success'; SELECT \* FROM successful bookings;

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

CREATE VIEW average\_ride\_distance\_for\_each\_vehicle AS SELECT Vehicle\_Type, AVG(Ride\_Distance) FROM booking GROUP BY Vehicle\_Type; SELECT \* FROM average\_ride\_distance\_for\_each\_vehicle;

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

CREATE VIEW cancelled\_rides\_by\_customers AS SELECT COUNT(\*) FROM booking WHERE Booking\_Status="Canceled by Customer"; SELECT \* FROM cancelled\_rides\_by\_customers;

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

CREATE VIEW top\_5\_customer AS
SELECT Customer\_ID, COUNT(Booking\_ID) AS total\_rides FROM booking
GROUP BY Customer\_ID
ORDER BY total\_rides DESC LIMIT 5;
SELECT \* FROM top\_5\_customer;

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

CREATE VIEW cancelle\_ddrivers\_personal\_car\_related\_issues AS SELECT COUNT(\*) FROM booking WHERE Canceled\_Rides\_by\_Driver="Personal & Car related issue";

SELECT \* FROM cancelle\_ddrivers\_personal\_car\_related\_issues;

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

CREATE VIEW max\_min\_driver\_ratings AS

SELECT MAX(Driver\_Ratings) AS max\_rating, MIN(Driver\_Ratings) AS min\_rating FROM booking WHERE Vehicle\_Type = "Prime Sedan";

SELECT \* FROM max\_min\_driver\_ratings;

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

CREATE VIEW payment\_upi AS

SELECT \* FROM booking WHERE Payment\_Method="UPI";

SELECT \* FROM payment\_upi;

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

CREATE VIEW avg\_customer\_rating AS SELECT Vehicle\_Type, AVG(Customer\_Rating) FROM booking GROUP BY Vehicle\_Type; SELECT \* FROM avg\_customer\_rating;

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

CREATE VIEW Total\_booking\_value AS SELECT SUM(Booking\_Value) AS total\_booking FROM booking WHERE Booking\_Status ='Success';

SELECT \* FROM Total\_booking\_value;

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

CREATE VIEW incomplete\_ride\_reason AS

SELECT Booking\_ID, Incomplete\_Rides\_Reason FROM booking WHERE
Incomplete\_Rides = "Yes";

SELECT \* FROM incomplete\_ride\_reason;

## 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

#### Answers:

- **1. Ride Volume Over Time:** A time-series chart showing the number of rides per day/week.
- **2. Booking Status Breakdown:** A pie or doughnut chart displaying the proportion of different booking statuses (success, cancelled by the customer, cancelled by the driver, etc.).
- **3. Top 5 Vehicle Types by Ride Distance:** A bar chart ranking vehicle types based on the total distance covered.
- **4. Average Customer Ratings by Vehicle Type:** A column chart showing the averagecustomer ratings for different vehicle types.
- **5. cancelled Rides Reasons:** A bar chart that highlights the common reasons for ridecancellations by customers and drivers.
- **6. Revenue by Payment Method:** A stacked bar chart displaying total revenue based onpayment methods (Cash, UPI, Credit Card, etc.).
- **7. Top 5 Customers by Total Booking Value:** A leaderboard visual listing customers who havespent the most on bookings.
- **8. Ride Distance Distribution Per Day:** A histogram or scatter plot showing the distribution of ride distances for different Dates.
- **9. Driver Rating Distribution:** A box plot visualizing the spread of driver ratings for different vehicle types.
- **10. Customer vs. Driver Ratings:** A scatter plot comparing customer and driver ratings for each completed ride, analyzing correlations.