

Zomato 20 Advanced Business Problems

Q1. Top 5 Most Frequently Ordered Dishes

Question:

Write a query to find the top 5 most frequently ordered dishes by the customer "Arjun Mehta" in the last 1 year.

Q2. Popular Time Slots

Question:

Identify the time slots during which the most orders are placed, based on 2-hour intervals.

Q3. Order Value Analysis

Question:

Find the average order value (AOV) per customer who has placed more than 750 orders.

Return: `customer_name`, `aov` (`average order value`).

Q4. High-Value Customers

Question:

List the customers who have spent more than 100K in total on food orders.

Return: `customer_name`, `customer_id`.

Q5. Orders Without Delivery

Question:

Write a query to find orders that were placed but not delivered.

Return: `restaurant_name`, `city`, and the number of not delivered orders.

Q6. Restaurant Revenue Ranking

Question:

Rank restaurants by their total revenue from the last year.

Return: `restaurant_name`, `total_revenue`, and their rank within their city.

Q7. Most Popular Dish by City**Question:**

Identify the most popular dish in each city based on the number of orders.

Q8. Customer Churn**Question:**

Find customers who haven't placed an order in 2024 but did in 2023.

Q9. Cancellation Rate Comparison**Question:**

Calculate and compare the order cancellation rate for each restaurant between the current year and the previous year.

Q10. Rider Average Delivery Time**Question:**

Determine each rider's average delivery time.

Q11. Monthly Restaurant Growth Ratio**Question:**

Calculate each restaurant's growth ratio based on the total number of delivered orders since its joining.

Q12. Customer Segmentation**Question:**

Segment customers into 'Gold' or 'Silver' groups based on their total spending compared to the

average order value (AOV). If a customer's total spending exceeds the AOV, label them as 'Gold'; otherwise, label them as 'Silver'.

Return: The total number of orders and total revenue for each segment.

Q13. Rider Monthly Earnings

Question:

Calculate each rider's total monthly earnings, assuming they earn 8% of the order amount.

Q14. Rider Ratings Analysis

Question:

Find the number of 5-star, 4-star, and 3-star ratings each rider has.

Riders receive ratings based on delivery time:

- 5-star: Delivered in less than 15 minutes
 - 4-star: Delivered between 15 and 20 minutes
 - 3-star: Delivered after 20 minutes
-

Q15. Order Frequency by Day

Question:

Analyze order frequency per day of the week and identify the peak day for each restaurant.

Q16. Customer Lifetime Value (CLV)

Question:

Calculate the total revenue generated by each customer over all their orders.

Q17. Monthly Sales Trends

Question:

Identify sales trends by comparing each month's total sales to the previous month.

Q18. Rider Efficiency

Question:

Evaluate rider efficiency by determining average delivery times and identifying those with the lowest and highest averages.

Q19. Order Item Popularity**Question:**

Track the popularity of specific order items over time and identify seasonal demand spikes.

Q20. City Revenue Ranking**Question:**

Rank each city based on the total revenue for the last year (2023).
