

Case Study #2 Pizza Runner

Question 1: How many pizzas were ordered?

14 pizzas were ordered from pizza runner

Query #13 Execution time: 0ms

orders

14

Question 2: How many unique customer orders were made?

There are 5 unique customer orders that were made.

Query #14 Execution time: 0ms

count

5

Question 3: How many successful orders were delivered by each runner?

Runner 1 made 4 successful delivery, Runner 2 made 3 successful delivery, Runner 3 made 1 successful delivery.

runner_id	cancellation	count
1	No Cancellations	4
2	No Cancellations	3
2	Customer Cancellation	1
3	No Cancellations	1
3	Restaurant Cancellation	1

Question 4: How many of each type of pizza was delivered?

Meatlovers Pizza was delivered 9x and canceled once. Vegetarian pizza was delivered 3x and canceled once.

Query #16 Execution time: 1ms

pizza_name	count	cancellation
Meatlovers	1	Customer Cancellation
Meatlovers	9	No Cancellations
Vegetarian	3	No Cancellations
Vegetarian	1	Restaurant Cancellation

Question 5: How many Vegetarian and Meatlovers were ordered by each customer?

Customer 101 bought 2 Meatlovers and 1 Vegetarian. Customer 102 bought 2 Meat Lover and 1 Vegetarian. Customer 103 bought 3 Meatlovers and 1 Vegetarian. Customer 104 bought 3 Meatlovers. Customer 105 bought 1 Vegetarian.

101	Meatlovers	2
101	Vegetarian	1
102	Meatlovers	2
102	Vegetarian	1
103	Meatlovers	3
103	Vegetarian	1
104	Meatlovers	3
105	Vegetarian	1

Question 6: What was the maximum number of pizzas delivered in a single order?

3 pizzas were the most amount of pizza delivered in a single order by order id 4.

order_id	max
4	3
10	2
3	2
2	1

Question 7: For each customer, how many delivered pizzas had at least 1 change and how many had no changes?

Customer 105 had 1 pizza with changes. Customer 104 had 2 pizzas with changes. Customer 103 had 3 pizzas with changes.

customer_id	Amount of changes
105	1
104	2
103	3

Customer 101 had 2 pizzas with no changes. Customer 102 had 3 pizzas with no changes. Customer 104 had 1 pizza with no changes.

customer_id	Amount of no changes
101	2
102	3
104	1

Question 8: How many pizzas were delivered that had both exclusions and extras?

Only 1 pizza had both exclusions and extras.

Both Exclusions and Extras

1

Question 9: What was the total volume of pizzas ordered for each hour of the day?

One pizza was ordered as 11 am. Three pizzas were ordered at 1 PM. Three pizzas were ordered at 6 PM. One pizza was ordered at 7 PM. Three pizzas were ordered at 9 PM. Three pizzas were ordered at 11 PM.

hour	count
11	1
13	3
18	3
19	1
21	3
23	3

Question 10: What was the volume of orders for each day of the week?

Five pizzas were ordered on Wednesday. Three pizzas were ordered on Thursday. One pizza was ordered on Friday. Five pizzas were ordered on Saturday

dow	count
3	5
4	3
5	1
6	5