Insights and Analysis from Fasoos Dashboard Dataset

1. Dataset Overview

The dataset is structured using SQL tables that simulate a food delivery business. The following tables are present:
- `driver`: Onboarding dates for each delivery driver.
- `ingredients`: A list of ingredients used in different rolls.
- `rolls`: Types of rolls (Veg and Non-Veg).
- `rolls_recipes`: Ingredient composition per roll.
- `driver_order`: Records driver deliveries, time, distance, duration, and cancellations.
- `customer_orders`: Tracks orders placed by customers, including modifications and timestamps.

2. Business Questions & Insights

How many rolls were ordered?

There were 13 total roll orders recorded in the dataset.

How many unique customers placed orders?

There were 5 unique customers who placed orders.

How many successful orders were delivered by each driver?

- Driver 1: 4 successful deliveries
- Driver 2: 3 successful deliveries
- Driver 3: 1 successful delivery

How many of each type of roll were delivered?

- Non Veg Roll (roll_id 1): 9 times
- Veg Roll (roll_id 2): 4 times

Which ingredients are most commonly excluded or added?

Ingredient ID 4 (Cheese) was commonly excluded. Ingredient ID 1 (BBQ Chicken) was often added.

How many orders were cancelled?

There were 3 cancelled orders, with reasons like 'Cancellation' or 'Customer Cancellation'.

3. Operational Insights

- Some drivers have higher success rates, which could reflect better punctuality or location familiarity.
- Non Veg Rolls are more popular than Veg Rolls.
- Certain ingredients are frequently customized, indicating customer taste trends.
- Some data inconsistencies exist (e.g., 'NaN', null values in distance/duration/cancellation), which may affect analysis quality.

4. Suggestions & Observations

- Consider cleaning up the data format for consistency.
- Introduce performance ratings per driver for more granular analysis.
- Analyze time of day trends to optimize delivery resource planning.
- Consider ingredient-level inventory predictions based on frequent exclusions/additions.