

Case Study 1

Important notes

To work on the questions below, the following .csv files have been provided. Please ensure you have these files before proceeding.

- 1) orders.csv
- 2) vendors.csv
- 3) products.csv
- 4) customers.csv

You may wish to study the data in all datasets carefully before attempting the exercise. We recommend loading the datasets on a BigQuery sandbox (<https://cloud.google.com/bigquery/docs/sandbox>) as an environment for you to write and test your queries.

Data Modelling and Transformation

Scenario

You are supporting the restaurant business team that is working on building Foodpanda's own food brands. This is a new ambitious project to create a new revenue stream for Foodpanda and the team is excited to see the performance of their new food brands.

Task

Using the above-mentioned data, create a set of tables that allows the business to track the following metrics:

1. Total successful orders per day
2. No of customers who have placed at least 1 successful order
3. Total successful orders per restaurant per day
4. Average number of products ordered per order per day
5. No of customers who have reordered at least once in the last 7 days

Expected outcome

Write the SQL Queries.