

Self-Study: Querying Simple Tables

Dataset:

Download the attached 'Superstore_Sales_Dataset.csv' from the Google Classroom.

Tasks:

Data Retrieval & Aggregation:

1. Create a new derived attribute on orders to calculate and show the order processing time in days along with all other attributes.
2. Find the average sales price of products per product sub-category.
3. Find the minimum and maximum sales prices of any product per product sub-category.
4. Find the count of all tuples / records in each table of your database.
5. Show a list of product categories that have more than 5 sub-categories in them.
6. Show the total number of orders shipped under each type of shipping mode.
7. Show the total number of orders shipped under each type of shipping mode since 2017.
8. Find the distribution of customers in each segment (total number of customers per segment).
9. Find the distribution of customers in each segment for "New York City", i.e., postal codes '10009', '10011', '10024' and '10035'.
10. Find the total number of products per sub-category that have a sales price greater than \$100.
11. Orders deliveries are considered late if they take more than 7 days to be shipped after being placed. Find the total number of late deliveries per year.
12. Show the product IDs of the top 10 most purchased products.
13. Show the names of the top 5 most expensive products.
14. Show a list of the top 3 most frequent buyers.
15. Show the order ID of the largest order given, i.e., maximum product count per order.