

Advanced SQL queries Analysis on Superstore Dataset

For this task, I used the Superstore dataset from Kaggle to practice SQL analysis. The dataset contains information about orders, customers, products, sales, profit, and shipping details.

Using this dataset, I performed advanced SQL queries such as **subqueries, Views , Like , Cases ,GROUP BY, HAVING, and ORDER BY**. I also used aggregate functions like **SUM , Average** to calculate total sales, average values, and other summary results.

For better understanding of **JOIN operations**, I divided the dataset into three tables: **Customers, Orders, and Products**.

Customer Table:

Customers table columns: Customer ID, Customer Name, Segment, City, State, Country , Market, Region.

Product Table:

Products table columns: Product ID, Category, Sub Category, Product Name.

Order Table:

Orders table columns: Row ID , Order ID , Order Date , Ship Date , Ship Mode, Customer ID, Product ID, Sales, Quantity, Discount, Profit, Shipping Cost, Order Priority.

In this, **Customer ID and Product ID act as foreign keys** in the Orders table and connect the tables.

After creating these tables, But while importing all rows were not inserted so I performed JOIN queries to on available dataset , from different tables and understand the relationship between customers, products, and orders.