

Sales Trend Analysis Using Aggregations (Task 6 - Data Analyst Internship)

Objective

Analyse **monthly revenue** and **order volume** from the given `orders.csv` dataset using SQL aggregations.

This task demonstrates how to group data by time periods, apply aggregate functions, and extract meaningful insights.

Dataset

The dataset provided (`orders.csv`) contains the following columns:

1. order_id → Unique identifier for each order
2. order_date → Date of the order
3. product_id → Unique identifier of the product
4. quantity → Number of items ordered
5. total_price → Total revenue for that order

Limit Results to a Specific Time Period (Example: 2023)

order_year	order_month	monthly_revenue	order_volume
2023	1	8098.080032348633	6
2023	2	16539.959930419922	11
2023	3	11518.739883422852	9
2023	4	16691.909790039062	11
2023	5	13512.039794921875	7
2023	6	16250.719787597656	8
2023	7	13083.180099487305	8
2023	8	12876.760108947754	10
2023	9	5834.4600830078125	4
2023	10	11723.290069580078	9
2023	11	8945.529983520508	7
2023	12	10470.720254898071	10

Top 3 Months by Revenue

order_year	order_month	monthly_revenue
2023	4	16691.909790039062
2023	2	16539.959930419922
2023	6	16250.719787597656