PIZZA SALES SQL QUERIES

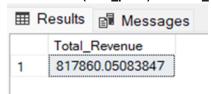
-- Created a Dashboard, Imported Data from Excel, reading the data-

CREATE DATABASE Pizza; Use Pizza; select * from pizza_sales;

A. Key Performance Indicator's Requirement

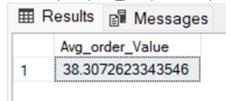
-- 1. Total Revenue:

SELECT SUM(total_price) AS Total_Revenue FROM pizza_sales;



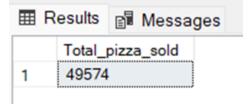
-- 2. Average Order Value

SELECT (SUM(total_price) / COUNT(DISTINCT order_id)) AS Avg_order_Value FROM pizza_sales;



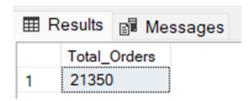
-- 3. Total Pizzas Sold

SELECT SUM(quantity) AS Total_pizza_sold FROM pizza_sales;



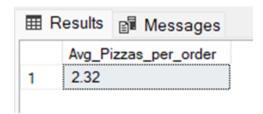
-- 4. Total Orders

SELECT COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales;



-- 5. Average Pizzas Per Order

SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2)) / CAST(COUNT(DISTINCT order_id) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS Avg_Pizzas_per_order FROM pizza_sales;



B. Hourly Trend for Total Pizzas Sold

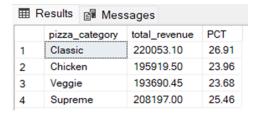
SELECT EXTRACT(HOUR FROM order_time) as order_hours, SUM(quantity) as total_pizzas_sold FROM pizza_sales
GROUP BY EXTRACT(HOUR FROM order_time)

GROUP BY EXTRACT(HOUR FROM order_time)
ORDER BY order_hours;

	order_hours	total_pizzas_sold
1	9	4
2	10	18
3	11	2728
4	12	6776
5	13	6413
6	14	3613
7	15	3216
8	16	4239
9	17	5211
10	18	5417
11	19	4406
12	20	3534
13	21	2545
14	22	1386
15	23	68

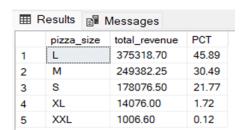
C.% of Sales by Pizza Category

SELECT pizza_category, CAST(SUM(total_price) AS DECIMAL(10,2)) as total_revenue, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) from pizza_sales) AS DECIMAL(10,2)) AS PCT FROM pizza_sales GROUP BY pizza_category;



D. % of Sales by Pizza Size

SELECT pizza_size, CAST(SUM(total_price) AS DECIMAL(10,2)) as total_revenue, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) from pizza_sales) AS DECIMAL(10,2)) AS PCT FROM pizza_sales GROUP BY pizza_size ORDER BY pizza_size;



E. Total Pizzas Sold by Pizza Category

SELECT pizza_category, SUM(quantity) as Total_Quantity_Sold FROM pizza_sales GROUP BY pizza_category ORDER BY Total_Quantity_Sold DESC;



F. Top 5 Pizzas by Revenue

SELECT pizza_name, SUM(total_price) AS Total_Revenue FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Revenue DESC limit 5;



G. Bottom 5 Pizzas by Revenue

SELECT pizza_name, SUM(total_price) AS Total_Revenue

FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Revenue ASC limit 5;

	pizza_name	Total_Revenue
1	The Brie Carre Pizza	11588.4998130798
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.5
5	The Spinach Pesto Pizza	15596

H. Top 5 Pizzas by Quantity

SELECT pizza_name, SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Pizza_Sold DESC limit 5;



I. Bottom 5 Pizzas by Quantity

SELECT pizza_name, SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Pizza_Sold ASC limit 5;



J. Top 5 Pizzas by Total Orders

SELECT pizza_name, COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Orders DESC limit 5;



K. Bottom 5 Pizzas by Total Orders

SELECT pizza_name, COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Orders ASC limit 5;

