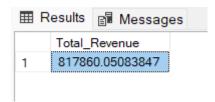
Pizza Sales SQL Queries

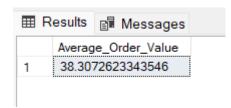
1.Total Revenue

select SUM(total_price) Total_Revenue from pizza_sales



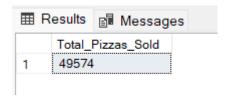
2. Average Order Value

select SUM(total_price) / COUNT(DISTINCT order_id) Average_Order_Value from pizza_sales



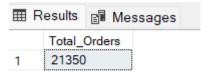
3. Total Pizza's Sold

select SUM(quantity) Total_Pizzas_Sold from pizza_sales



4. Total Orders

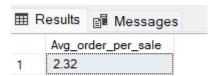
select COUNT(DISTINCT order id) Total Orders from pizza sales



3. Average Pizza's Per Order

select CAST(CAST(SUM(quantity) as DECIMAL(10,2)) / CAST(COUNT(DISTINCT order_id) as DECIMAL(10,2))

as DECIMAL(10,2)) Avg_order_per_sale from pizza_sales

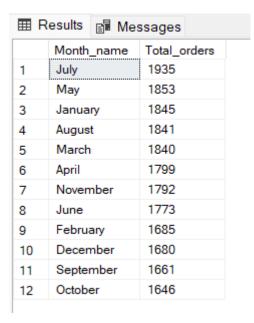


CHARTS REQUIREMENT

1. Daily trends for total orders

select DATENAME(MONTH, order_date) as Month_name, COUNT(DISTINCT order_id) as Total_orders from pizza_sales group by DATENAME(MONTH, order_date)

order by Total_orders desc



2. Hourly trends for total orders

SELECT DATEPART(HOUR, order_time) Time_in_hour, COUNT(DISTINCT order_id) Total_orders from pizza_sales group by DATEPART(HOUR, order_time) order by DATEPART(HOUR, order_time)

⊞ Results				
	Time_in_hour	Total_orders		
1	9	1		
2	10	8		
3	11	1231		
4	12	2520		
5	13	2455		
6	14	1472		
7	15	1468		
8	16	1920		
9	17	2336		
10	18	2399		
11	19	2009		
12	20	1642		
13	21	1198		
14	22	663		
15	23	28		

3. Percentage of total sales by pizza category

select pizza_category, SUM(total_price) as Total_sales, SUM(total_price) * 100 / (select SUM(total_price) from pizza_sales where MONTH(order_date) = 1)

as PCT_of_total_sales from pizza_sales where MONTH(order_date) = 1 group by pizza_category order by PCT_of_total_sales DESC

⊞ R	Results				
	pizza_category	Total_sales	PCT_of_total_sales		
1	Classic	18619.4000015259	26.6779189176038		
2	Supreme	17929.7499866486	25.6897867985821		
3	Veggie	17055.4000778198	24.4370162489706		
4	Chicken	16188.75	23.1952780348435		

NOTE:

- **Here MONTH(order_date) = 1 indicates that the output is for the month of January,

 MONTH(order_date) = 4 indicates for April, Needed to use in the sub query also
- ** We can find for quarterly also by using DATEPART(QUARTER, order_date) = 1 for the 1st quarter and DATEPART(QUARTER, order_date) = 3 for the final quarter.

4. Percentage of total sales by Pizza Size

select pizza_size, CAST(SUM(total_price) as DECIMAL(10,2)) as Total_sales, CAST(SUM(total_price) * 100 / (select SUM(total_price) from pizza_sales where DATEPART(QUARTER, order_date) = 1) as DECIMAL(10,2)) as PCT_of_total_sales from pizza_sales where DATEPART(QUARTER, order_date) = 1 group by pizza_size order by PCT_of_total_sales DESC

pizza_size Total_sales PCT_of_total_sales 1 L 95229.65 46.37 2 M 61159.00 29.78 3 S 45384.25 22.10	⊞ Results						
2 M 61159.00 29.78		pizza_size	Total_sales	PCT_of_total_sales			
	1	L	95229.65	46.37			
3 S 45384.25 22.10	2	M	61159.00	29.78			
	3	S	45384.25	22.10			
4 XL 3289.50 1.60	4	XL	3289.50	1.60			
5 XXL 287.60 0.14	5	XXL	287.60	0.14			

5. Top 5 Best seller in terms of total revenue

SELECT TOP 5 pizza_name, CAST(SUM(total_price) as DECIMAL(10,2)) Total_Revenue from pizza_sales

group by pizza_name order by Total_Revenue DESC



6. Bottom 5 sellers in terms of total revenue

SELECT TOP 5 pizza_name, CAST(SUM(total_price) as DECIMAL(10,2)) Total_Revenue from pizza_sales

group by pizza_name order by Total_Revenue



7. Top 5 best sellers in terms of quantity

SELECT TOP 5 pizza_name, CAST(SUM(quantity) as DECIMAL(10,2)) Total_quantity from pizza_sales group by pizza_name order by Total_quantity DESC



8.Bottom 5 sellers in terms of quantity

SELECT TOP 5 pizza_name, CAST(SUM(quantity) as DECIMAL(10,2)) Total_quantity from pizza_sales group by pizza_name order by Total_quantity



9.Top 5 best sellers in terms of orders

SELECT TOP 5 pizza_name, COUNT(DISTINCT order_id) Total_orders from pizza_sales group by pizza_name order by Total_orders DESC



10.Bottom 5 sellers in terms of orders

SELECT TOP 5 pizza_name, COUNT(DISTINCT order_id) Total_orders from pizza_sales group by pizza_name order by Total_orders

