PIZZA SALES SQL QUERIES



1

1. Total Revenue:

SELECT SUM(total_price) AS Total_Revenue

FROM [dbo].[Data Model - Pizza Sales]

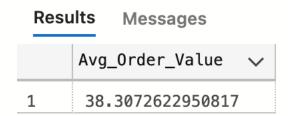
Results Messages Total_Revenue

2. Average Order Value:

SELECT SUM(total_price)/ COUNT(DISTINCT(order_id)) AS Avg_Order_Value

FROM [dbo].[Data Model - Pizza Sales]

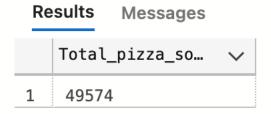
817860.049999993



3. Total Pizzas Sold:

SELECT SUM(quantity) AS Total_pizza_sold

FROM [dbo].[Data Model - Pizza Sales]



4.Total Orders:

SELECT COUNT(DISTINCT(order_id)) AS Total_orders

FROM [dbo].[Data Model - Pizza Sales]

Results		Messages	
	To	~	
1	21	1350	

5.Average Pizzas Per Order:

SELECT (1.0 * SUM(quantity))/COUNT(DISTINCT(order_id)) AS Avg_pizzas_per_order

FROM [dbo].[Data Model - Pizza Sales]

Results Messages

	Avg_pizzas_per_order	~
1	2.321967213114	

6. Total Pizza Sold And Total Sales on '2015-12-31':

SELECT SUM (quantity) AS Total_pizza_sold, SUM(total_price) AS Total_Sales

FROM [dbo].[Data Model - Pizza Sales]

WHERE order_date = '2015-12-31'

Results Messages

	Total_pizza_sold	~	Total_Sales	~
1	178		2915.9999999999	995

7. Only Veggie Pizza Sold on '2015-12-31':

SELECT SUM(quantity) As Total_Veggie_Pizza_Sold

FROM [dbo].[Data Model - Pizza Sales]

WHERE order_date = '2015-12-31' AND pizza_category = 'Veggie'

Results Messages

	Total_Veggie_Pizza_Sold	~
1	50	

8. Only Chicken Pizza Sales in January- All Tuesday:

SELECT DATENAME(DW, order_date) AS All_Tuesday_Jan, SUM(quantity) AS Total_Chicken_Pizza_Sold

FROM [dbo].[Data Model - Pizza Sales]

WHERE DATENAME(DW, order_date) = 'Tuesday' AND order_date BETWEEN'2015-01-01' AND '2015-01-31' AND pizza_category = 'Chicken'

GROUP BY DATENAME(DW, order_date)

Results Messages

	All_Tuesday_Jan	~	Total_Chicken_Pizza_Sold	~
1	Tuesday		113	

9. Worst Sale Of The Year:

SELECT Top 1 SUM(total_price) As Total_Sale, order_date, SUM(quantity) As Pizza_Sold

FROM [dbo].[Data Model - Pizza Sales]

GROUP BY order_date

ORDER BY Total_Sale

Results Messages

	Total_Sale	~	order_date	~	Pizza_Sold	~
1	1259.25		2015-03-22		77	

10.Best Sale Of The Year:

SELECT Top 1 SUM(total_price) As Total_Sale, order_date, SUM(quantity) As Pizza_Sold

FROM [dbo].[Data Model - Pizza Sales]

GROUP BY order_date

ORDER BY Total_Sale DESC

Results Messages

	Total_Sale ✓	order_date	~	Pizza_Sold	~
1	4422.449999999999	2015-11-27		264	

B. Daily Trend for Total Orders

SELECT DATENAME (DW, order_date) AS Order_day ,

COUNT(DISTINCT(order_id)) AS Total_Orders

FROM [dbo].[Data Model - Pizza Sales]

GROUP BY DATENAME (DW, order_date)

Results Messages

	Order_day 🗸	Total_Orders ✓
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

C. Hourly Trend for Total Orders

SELECT DATEPART(HOUR, order_time) As Order_Hours,

COUNT(DISTINCT(order_id)) AS Total_Orders

FROM [dbo].[Data Model - Pizza Sales]

GROUP BY DATEPART(HOUR, order_time)

ORDER BY DATEPART(HOUR, order_time)

Results Messages

	Order_Hours 🗸	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

D. % of Sales by Pizza Category

SELECT pizza_category, SUM(total_price) As Total_Sales, SUM(total_price) * 100/

(SELECT SUM(total_price) FROM [dbo].[Data Model - Pizza Sales])AS Percentage_Total_Sales

FROM [dbo].[Data Model - Pizza Sales]

-- WHERE MONTH(order_date)= 1

GROUP BY pizza_category

Results Messages

	pizza_category 🗸	Total_Sales 🗸	Percentage_Total_Sales 🗸
1	Chicken	195919.5	23.955137556847493
2	Classic	220053.1000000001	26.9059602556699
3	Supreme	208196.99999999822	25.45631126009884
4	Veggie	193690.45000000298	23.682590927384783

E. For One Month

SELECT pizza_category, SUM(total_price) As Total_Sales, SUM(total_price) * 100/

(SELECT SUM(total_price) FROM [dbo].[Data Model - Pizza Sales]WHERE MONTH(order_date)=1)AS Percentage_Total_Sales

FROM [dbo].[Data Model - Pizza Sales]

Results Messages

	pizza_category 🗸	Total_Sales 🗸	Percentage_Total_Sales 🗸
1	Chicken	16188.75	23.195278056776257
2	Classic	18619.4	26.67791894064334
3	Supreme	17929.749999999996	25.68978684200349
4	Veggie	17055.400000000027	24.437016160577095

F. % of 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 [dbo].[Data Model - Pizza Sales])AS DECIMAL(10,2))

AS Percentage_Total_Sales

FROM [dbo].[Data Model - Pizza Sales]

GROUP BY pizza_size

ORDER BY Percentage_Total_Sales DESC

Results Messages

	pizza_size ✓	Total_Sales ∨	Percentage_Total_Sales 🗸
1	L	375318.70	45.89
2	М	249382.25	30.49
3	S	178076.50	21.77
4	XL	14076.00	1.72
5	XXL	1006.60	0.12

G. For One Quarter

SELECT pizza_size, CAST(SUM(total_price)AS DECIMAL(10,2)) As Total_Sales,

CAST(SUM(total_price) * 100/ (SELECT SUM(total_price) FROM [dbo].[Data Model - Pizza Sales])AS DECIMAL(10,2))

AS Percentage_Total_Sales

FROM [dbo].[Data Model - Pizza Sales]

WHERE DATEPART(QUARTER, order_date)=1

GROUP BY pizza_size

ORDER BY Percentage_Total_Sales DESC

Results Messages

	pizza_size ✓	Total_Sales ✓	Percentage_Total_Sales 🗸
1	L	95229.65	11.64
2	М	61159.00	7.48
3	S	45384.25	5.55
4	XL	3289.50	0.40
5	XXL	287.60	0.04

H. Total Pizzas Sold by Pizza Category

SELECT pizza_category, SUM(quantity) AS Total_pizza_sold

FROM [dbo].[Data Model - Pizza Sales]

GROUP BY pizza_category

Results Messages

	pizza_category	~	Total_pizza_sold	~
1	Chicken		11050	
2	Classic		14888	
3	Supreme		11987	
4	Veggie		11649	_

I. Top 5 Best Sellers by Total Pizzas Sold

SELECT TOP 5 pizza_name, SUM(quantity) AS Total_pizza_sold

FROM [dbo].[Data Model - Pizza Sales]

GROUP BY pizza_name

ORDER BY Total_pizza_sold DESC

Results Messages

	pizza_name	Total_pizza_sold ✓
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

J. Bottom 5 Best Sellers by Total Pizzas Sold

SELECT TOP 5 pizza_name, SUM(quantity) AS Total_pizza_sold

FROM [dbo].[Data Model - Pizza Sales]

WHERE MONTH(order_date) = 1

GROUP BY pizza_name

ORDER BY Total_pizza_sold

Results Messages

	pizza_name	Total_pizza_sold 🗸
1	The Brie Carre Pizza	35
2	The Calabrese Pizza	67
3	The Mediterranean Pizza	68
4	The Green Garden Pizza	75
5	The Chicken Pesto Pizza	77

<u>NOTE</u>

If you want to apply the Month, Quarter, Week filters to the above queries you can use WHERE clause. Follow some of below examples

SELECT DATENAME(DW, order_date) AS order_day, COUNT(DISTINCT order_id) AS total_orders

FROM pizza_sales

WHERE MONTH(order_date) = 1

GROUP BY DATENAME(DW, order_date)

*Here MONTH(order_date) = 1 indicates that the output is for the month of January. MONTH(order_date) = 4 indicates output for Month of April.

SELECT DATENAME(DW, order_date) AS order_day, COUNT(DISTINCT order_id) AS total_orders

FROM pizza_sales

WHERE DATEPART(QUARTER, order_date) = 1

GROUP BY DATENAME(DW, order_date)

*Here DATEPART(QUARTER, order_date) = 1 indicates that the output is for the Quarter 1. MONTH(order_date) = 3 indicates output for Quarter 3.