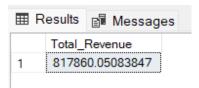
# PIZZA\_SALES: SQL QUERIES

### A. KPI's

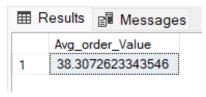
#### 1. Total Revenue:

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



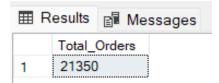
#### 3. Total Pizzas Sold

SELECT SUM(quantity) AS Total\_pizza\_sold FROM pizza\_sales



#### 4. Total Orders

SELECT COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales



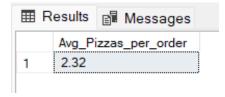
#### 5. Average Pizzas Per Order

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. Daily Trend for Total Orders**

 $\label{eq:select_date} SELECT\ DATENAME (DW, order\_date)\ AS\ order\_day, \\ COUNT (DISTINCT\ order\_id)\ AS\ total\_orders\\ FROM\ pizza\_sales$ 

GROUP BY DATENAME(DW, order\_date)

#### Output:

⊞ F	Results 🗐 M	essages
	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. Monthly Trend for 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)

#### <u>Output</u>

	Month_Name	Total_Orders
1	February	1685
2	June	1773
3	August	1841
4	April	1799
5	May	1853
6	December	1680
7	January	1845
8	September	1661
9	October	1646
10	July	1935
11	November	1792
12	March	1840

## D. % 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

### <u>Output</u>

■F	Results 🗐 Mes	sages	
	pizza_category	total_revenue	PCT
1	Classic	220053.10	26.91
2	Chicken	195919.50	23.96
3	Veggie	193690.45	23.68
4	Supreme	208197.00	25.46

## E. % 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

#### **Output**

⊞F	Results 📳 N	Messages	
	pizza_size	total_revenue	PCT
1	L	375318.70	45.89
2	M	249382.25	30.49
3	S	178076.50	21.77
4	XL	14076.00	1.72
5	XXL	1006.60	0.12

## F. Total Pizzas Sold by Pizza Category

SELECT pizza\_category, SUM(quantity) as Total\_Quantity\_Sold FROM pizza\_sales
WHERE MONTH(order\_date) = 2
GROUP BY pizza\_category
ORDER BY Total\_Quantity\_Sold DESC

#### **Output**

	Results 📳 Mess	sages
	pizza_category	Total_Quantity_Sold
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

## G. Top 5 Pizzas by Revenue

SELECT Top 5 pizza\_name, SUM(total\_price) AS Total\_Revenue FROM pizza\_sales GROUP BY pizza\_name ORDER BY Total\_Revenue DESC

⊞	Results	Messages	
	pizza_i	name	Total_Revenue
1	The Th	ai Chicken Pizza	43434.25
2	The Ba	arbecue Chicken Pizza	42768
3	The Ca	alifornia Chicken Pizza	41409.5
4	The Cl	assic Deluxe Pizza	38180.5
5	The Sp	oicy Italian Pizza	34831.25

## H. Bottom 5 Pizzas by Revenue

SELECT Top 5 pizza\_name, SUM(total\_price) AS Total\_Revenue FROM pizza\_sales GROUP BY pizza\_name ORDER BY Total\_Revenue ASC

	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

## I. Top 5 Pizzas by Quantity

SELECT Top 5 pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold FROM pizza\_sales GROUP BY pizza\_name ORDER BY Total\_Pizza\_Sold DESC

#### **Output**

	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 Pizzas by Quantity

SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold

FROM pizza\_sales GROUP BY pizza\_name ORDER BY Total\_Pizza\_Sold ASC

#### **Output**

⊞ F	Results 📴 Messages	
	pizza_name	Total_Pizza_Sold
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961

### K. Top 5 Pizzas by Total Orders

SELECT Top 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales GROUP BY pizza\_name



### L. Borrom 5 Pizzas by Total Orders

SELECT Top 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales GROUP BY pizza\_name ORDER BY Total\_Orders ASC

	pizza_name	Total_Orders
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Spinach Supreme Pizza	918
4	The Calabrese Pizza	918
5	The Chicken Pesto Pizza	938

# **NOTE**

If you want to apply the pizza\_category or pizza\_size filters to the above queries you can use WHERE clause.

SELECT Top 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales
WHERE pizza\_category = 'Classic'
GROUP BY pizza\_name
ORDER BY Total\_Orders ASC