

# Pizza Sales SQL Queries

## 1. Some of the KPIs:

-- 1.1. What is the total number of orders?

```
SELECT  
    COUNT(DISTINCT order_id) AS Total_Orders  
FROM  
    pizza_sales
```

Results		Messages	
Total_Orders			
1	21350		

-- 1.2. What is the total revenue of all orders?

```
SELECT  
    ROUND(SUM(total_price), 2) AS Total_Revenue  
FROM  
    pizza_sales
```

Results		Messages	
Total_Revenue			
1	817860.05		

-- 1.3. What is the average price per order?

```
SELECT
    ROUND(SUM(total_price) / COUNT(DISTINCT order_id), 2) AS
Avg_Order_Price
FROM
    pizza_sales
```

Results Messages	
Avg_Order_Value	
1	38.31

-- 1.4. What is the total number of pizzas sold?

```
SELECT
    SUM(quantity) AS Total_Pizzas_Sold
FROM
    pizza_sales
```

Results Messages	
Total_Pizzas_Sold	
1	49574

-- 1.5. What is the average number of pizzas sold per order?

```
SELECT
    ROUND(CAST(SUM(quantity) AS float) / CAST(COUNT(DISTINCT
order_id) AS float), 2) AS Avg_pizzas_Per_Order
FROM
    pizza_sales
```

Results Messages	
Avg_pizzas_Per_Order	
1	2.32

-- 2. What are the total orders by daily trend?

```
SELECT
    DATENAME(DW, order_date) AS Day_Name,
    COUNT(DISTINCT order_id) AS Total_Orders
FROM
    pizza_sales
GROUP BY
    DATENAME(DW, order_date)
ORDER BY
    Total_Orders DESC;
```

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

-- 3. What are the total orders by monthly trend?

```
SELECT
    DATENAME(M, order_date) AS Month_Name,
    COUNT(DISTINCT order_id) AS Total_Orders
FROM
    pizza_sales
GROUP BY
    DATENAME(M, order_date)
ORDER BY
    Total_Orders DESC;
```

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

-- 4. What are the total and percentage of sales by pizza category?

```
SELECT
    pizza_category,
    ROUND(SUM(total_price), 2) AS Total_Sales,
    ROUND((SUM(total_price) / (SELECT SUM(total_price) from
pizza_sales) * 100), 2) AS PCT_of_Sales
FROM
    pizza_sales
GROUP BY
    pizza_category
ORDER BY
    Total_Sales DESC;
```

	pizza_category	Total_Sales	PCT_of_Sales
1	Classic	220053.1	26.91
2	Supreme	208197	25.46
3	Chicken	195919.5	23.96
4	Veggie	193690.45	23.68

-- 5. What are the total and percentage of sales by pizza size?

```
SELECT
    pizza_size,
    ROUND(SUM(total_price), 2) AS Total_Sales,
    ROUND((SUM(total_price) / (SELECT SUM(total_price) from
pizza_sales) * 100), 2) AS PCT_of_Sales
FROM
    pizza_sales
GROUP BY
    pizza_size
ORDER BY
    Total_Sales DESC;
```

	pizza_size	Total_Sales	PCT_of_Sales
1	L	375318.7	45.89
2	M	249382.25	30.49
3	S	178076.5	21.77
4	XL	14076	1.72
5	XXL	1006.6	0.12

-- 6. What are the total and percentage number of pizzas sold by pizza category?

```
SELECT
    pizza_category,
    SUM(quantity) AS Total_Quantity_Sold,
    ROUND((CAST(SUM(quantity) AS float) / (SELECT
SUM(quantity) from pizza_sales) * 100), 2) AS
PCT_Quantity_Sold
FROM
    pizza_sales
GROUP BY
    pizza_category
ORDER BY
    Total_Quantity_Sold DESC;
```

Results		Messages	
	pizza_category	Total_Quantity_Sold	PCT_Quantity_Sold
1	Classic	14888	30.03
2	Supreme	11987	24.18
3	Veggie	11649	23.5
4	Chicken	11050	22.29

-- 7. What are the highest 5 selling pizzas by revenue?

```
SELECT TOP 5
    pizza_name,
    ROUND(SUM(total_price), 2) AS Total_Revenue
FROM
    pizza_sales
GROUP BY
    pizza_name
ORDER BY
    Total_Revenue DESC;
```

Results		Messages	
	pizza_name	Total_Revenue	
1	The Thai Chicken Pizza	43434.25	
2	The Barbecue Chicken Pizza	42768	
3	The California Chicken Pizza	41409.5	
4	The Classic Deluxe Pizza	38180.5	
5	The Spicy Italian Pizza	34831.25	

-- 8. What are the lowest 5 selling pizzas by revenue?

```
SELECT TOP 5
    pizza_name,
    ROUND(SUM(total_price), 2) AS Total_Revenue
FROM
    pizza_sales
GROUP BY
    pizza_name
ORDER BY
    Total_Revenue ASC;
```

Results Messages		
	pizza_name	Total_Revenue
1	The Brie Carre Pizza	11588.5
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

-- 9. What are the highest 5 selling pizzas by quantity?

```
SELECT TOP 5
    pizza_name,
    SUM(quantity) AS Total_Quantity
FROM
    pizza_sales
GROUP BY
    pizza_name
ORDER BY
    Total_Quantity DESC;
```

Results Messages		
	pizza_name	Total_Quantity
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

-- 10. What are the lowest 5 selling pizzas by quantity?

```
SELECT TOP 5
    pizza_name,
    SUM(quantity) AS Total_Quantity
FROM
    pizza_sales
GROUP BY
    pizza_name
ORDER BY
    Total_Quantity ASC;
```

Results Messages		
	pizza_name	Total_Quantity
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

-- 11. What are the highest 5 selling pizzas by order?

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

Results Messages		
	pizza_name	Total_Orders
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken Pizza	2273
5	The Thai Chicken Pizza	2225

-- 12. What are the lowest 5 selling pizzas by order?

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

Results Messages		
	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

-- 13. What is the total sales and percentage by pizza category of 'Classic' regarding pizza size?

```
SELECT
    pizza_category,
    pizza_size,
    ROUND(SUM(total_price), 2) AS Total_Sales,
    ROUND((SUM(total_price) / (SELECT SUM(total_price) from
pizza_sales) * 100), 2) AS PCT_of_Sales
FROM
    pizza_sales
WHERE
    pizza_category = 'Classic'
GROUP BY
    pizza_category,
    pizza_size
ORDER BY
    Total_Sales DESC;
```

Results Messages				
	pizza_category	pizza_size	Total_Sales	PCT_of_Sales
1	Classic	L	74518.5	9.11
2	Classic	S	69870.25	8.54
3	Classic	M	60581.75	7.41
4	Classic	XL	14076	1.72
5	Classic	XXL	1006.6	0.12



-- 14. What is the total and percentage of sales by pizza category regarding pizza size?

```
SELECT
    pizza_category,
    pizza_size,
    ROUND(SUM(total_price), 2) AS Total_Sales,
    ROUND((SUM(total_price) / (SELECT SUM(total_price) from
pizza_sales) * 100), 2) AS PCT_of_Sales
FROM
    pizza_sales
GROUP BY
    pizza_category,
    pizza_size
ORDER BY
    Total_Sales DESC;
```

Results		Messages		
	pizza_category	pizza_size	Total_Sales	PCT_of_Sales
1	Veggie	L	104202.7	12.74
2	Chicken	L	102339	12.51
3	Supreme	L	94258.5	11.53
4	Classic	L	74518.5	9.11
5	Classic	S	69870.25	8.54
6	Supreme	M	66475	8.13
7	Chicken	M	65224.5	7.98
8	Classic	M	60581.75	7.41
9	Veggie	M	57101	6.98
10	Supreme	S	47463.5	5.8
11	Veggie	S	32386.75	3.96
12	Chicken	S	28356	3.47
13	Classic	XL	14076	1.72
14	Classic	XXL	1006.6	0.12