

# 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;
```

Results Messages	
	Total_Revenue
1	817860.05083847

### -- 2. Average Order Value

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

Results Messages	
	Avg_order_Value
1	38.3072623343546

### -- 3. Total Pizzas Sold

```
SELECT SUM(quantity) AS Total_pizza_sold FROM pizza_sales;
```

Results Messages	
	Total_pizza_sold
1	49574

### -- 4. Total Orders

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

Results Messages	
	Total_Orders
1	21350

## -- 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;
```

Results		Messages	
	Avg_Pizzas_per_order		
1	2.32		

## 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)  
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;
```

Results		Messages	
	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

## 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;
```

	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

## 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;
```

	pizza_category	Total_Quantity_Sold
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

## 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;
```

	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

## 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;

```

	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

## 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;

```

	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

## 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;

```

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

## 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;
```

	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