

# PIZZA SALES SQL QUERIES

## A. KPI's

### 1. Total Revenue:

```
SELECT SUM(total_price) AS Total_Revenue FROM pizza_sales;
```

Results	
	Messages
1	817860.05083847

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### 2. Average Order Value:

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

Results	
	Messages
1	38.3072623343546

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### 3. Total Pizzas Sold:

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

Results	
	Messages
1	49574

---

### 4. Total Orders:

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

Results	
	Messages
1	21350

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##### 5. Average Pizzas Per Order:

```
SELECT  
    ROUND(SUM(quantity)::Numeric/ COUNT(DISTINCT order_id),2)  
        AS avg_pizzas_per_order  
FROM pizza_sales;
```

	Results	Messages
1	Avg_Pizzas_per_order 2.32	

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##### B. Daily Trend for Total Orders

```
SELECT  
    TO_CHAR(order_date, 'Day') AS day_name  
    ,COUNT(DISTINCT order_id) AS total_orders  
FROM pizza_sales  
group by TO_CHAR(order_date, 'Day'),EXTRACT(DOW FROM order_date)  
order by EXTRACT(DOW FROM order_date);
```

##### Output:

	Results	Messages
1	order_day Saturday	total_orders 3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

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### C. Monthly Trend for Orders

```
SELECT  
    TO_CHAR(order_date, 'Month') AS Month_name  
    ,COUNT(DISTINCT order_id) AS total_order FROM pizza_sales  
group by TO_CHAR(order_date, 'Month'),EXTRACT(Month FROM order_date)  
order by EXTRACT(Month FROM order_date);
```

#### Output

	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,  
        round(sum(total_price)*100/(Select Sum(total_price) from  
        pizza_sales),2)as total_sales from pizza_sales  
        group by pizza_category;
```

#### Output

	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,  
      round(sum(total_price)*100/(Select Sum(total_price) from  
      pizza_sales),2)as total_sales  
  from pizza_sales  
 group by pizza_size;
```

### Output

	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,  
      round(sum(quantity),2)  
  from pizza_sales  
 group by pizza_category;
```

### Output

	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
```

	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

## 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

	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  
ORDER BY Total_Orders DESC
```

	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

## L. Bottom 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

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**Database:** PostgreSQL

**Project Type:** SQL Data Analysis Project