


# PIZZA SALES SQL QUERIES

## A. KPIs

### 1. Total Revenue:

```
SELECT SUM(total_price) AS total_revenue  
FROM pizza;
```


#### Output:

	total_revenue double precision 
1	817860.049999993

### 2. Average Order Value

```
SELECT SUM(total_price)/COUNT(DISTINCT order_id) AS avg_order_value  
FROM pizza;
```


#### Output:

	avg_order_value double precision 
1	38.307262295081635

### 3. Total Pizzas Sold

```
SELECT SUM(quantity) AS total_pizza_sold  
FROM pizza;
```

#### Output:

	total_pizza_sold bigint 
1	49574

#### 4. Total Orders

```
SELECT COUNT(DISTINCT(order_id)) AS total_orders  
FROM pizza;
```

Output:

	total_orders bigint
1	21350

#### 5. Average Pizzas Per Order

```
SELECT ROUND(ROUND(SUM(quantity),2)/ROUND(COUNT(DISTINCT(order_id)),2),2)  
AS avg_pizza_per_order  
FROM pizza;
```

Output:

avg_pizza_per_order numeric
2.32

## B. Daily Trend for Total Orders

```
SELECT TO_CHAR(order_date, 'Day') AS order_day, COUNT(DISTINCT order_id)  
AS total_orders  
FROM pizza  
GROUP BY TO_CHAR(order_date, 'Day');
```

Output:

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

## C. Monthly Trend for Orders

```
SELECT TO_CHAR(order_date, 'Month') AS order_day, COUNT(DISTINCT order_id)
AS total_orders
FROM pizza
GROUP BY TO_CHAR(order_date, 'Month')
ORDER BY total_orders DESC;
```

Output:

	order_day  text	total_orders  bigint
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

## D. % of Sales by Pizza Category

```
SELECT pizza_category, SUM(total_price) AS total_sales, SUM(total_price) *  
100 /  
  
(SELECT SUM(total_price) FROM pizza WHERE EXTRACT(MONTH FROM order_date) =  
1) AS pct  
  
FROM pizza  
  
GROUP BY pizza_category  
  
ORDER BY total_sales DESC;
```

**Output:**

	<b>pizza_category</b> character varying (255) 🔒	<b>total_sales</b> double precision 🔒	<b>pct</b> double precision 🔒
1	Classic	220053.1000000001	315.29258539143495
2	Supreme	208196.99999999822	298.3051381722866
3	Chicken	195919.5	280.7139080685399
4	Veggie	193690.45000000298	277.5201201261486

## E. % of Sales by Pizza Size

```
SELECT pizza_size, SUM(total_price) AS total_sales, SUM(total_price) *  
100/  
  
(SELECT SUM(total_price) FROM pizza WHERE EXTRACT(MONTH FROM order_date) =  
1) AS pct  
  
FROM pizza  
  
GROUP BY pizza_size  
  
ORDER BY pct DESC;
```



**Output:**

	<b>pizza_size</b> character varying (255) 🔒	<b>total_sales</b> double precision 🔒	<b>pct</b> double precision 🔒
1	L	375318.70000000087	537.7574924813832
2	M	249382.25	357.31545864717725
3	S	178076.49999999843	255.14841682510885
4	XL	14076	20.168125020596563
5	XXL	1006.6000000000005	1.4422587841526362

## F. Total Pizzas Sold by Pizza Category

```
SELECT pizza_category, SUM(quantity) as Total_Quantity_Sold
FROM pizza
GROUP BY pizza_category
ORDER BY Total_Quantity_Sold DESC
```

Output:

	<b>pizza_category</b> character varying (255) 	<b>total_quantity_sold</b> bigint 
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

## G. Top 5 Pizzas by Revenue

```
SELECT pizza_name, SUM(total_price) AS total_revenue
FROM pizza
GROUP BY pizza_name
ORDER BY total_revenue DESC
LIMIT 5;
```



Output:

	<b>pizza_name</b> character varying (255) 	<b>total_revenue</b> double precision 
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 pizza_name, SUM(total_price) AS total_revenue
FROM pizza
GROUP BY pizza_name
ORDER BY total_revenue ASC
LIMIT 5;
```



Output:

<b>pizza_name</b> character varying (255) 	<b>total_revenue</b> double precision 
The Brie Carre Pizza	11588.4999999999
The Green Garden Pizza	13955.75
The Spinach Supreme Pizza	15277.75
The Mediterranean Pizza	15360.5
The Spinach Pesto Pizza	15596

## I. Top 5 Pizzas by Quantity

```
SELECT pizza_name, SUM(quantity) AS total_quantity
FROM pizza
GROUP BY pizza_name
ORDER BY total_quantity DESC
LIMIT 5;
```

**Output:**

	<b>pizza_name</b> character varying (255) 	<b>total_quantity</b> bigint 
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 pizza_name, SUM(quantity) AS total_quantity
FROM pizza
GROUP BY pizza_name
ORDER BY total_quantity ASC
LIMIT 5;
```



### Output

<b>pizza_name</b> character varying (255) 🔒	<b>total_quantity</b> bigint 🔒
The Brie Carre Pizza	490
The Mediterranean Pizza	934
The Calabrese Pizza	937
The Spinach Supreme Pizza	950
The Soppressata Pizza	961

### K. Top 5 Pizzas by Total Orders

```
SELECT pizza_name, COUNT(DISTINCT(order_id)) AS total_orders
FROM pizza
GROUP BY pizza_name
ORDER BY total_orders DESC
LIMIT 5;
```



### Output:

<b>pizza_name</b> character varying (255) 🔒	<b>total_orders</b> bigint 🔒
The Classic Deluxe Pizza	2329
The Hawaiian Pizza	2280
The Pepperoni Pizza	2278
The Barbecue Chicken Pizza	2273
The Thai Chicken Pizza	2225

## L. Borrom 5 Pizzas by Total Orders

```
SELECT pizza_name, COUNT(DISTINCT(order_id)) AS total_orders
FROM pizza
GROUP BY pizza_name
ORDER BY total_orders ASC
LIMIT 5;
```

Output:

<b>pizza_name</b> character varying (255) 	<b>total_orders</b> bigint 
The Brie Carre Pizza	480
The Mediterranean Pizza	912
The Calabrese Pizza	918
The Spinach Supreme Pizza	918
The Chicken Pesto Pizza	938