

# PIZZA SALES SQL QUERIES

## A. KPI's

### 1. Total Revenue:

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

**OUTPUT:**

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;
```

**OUTPUT:**

Results		Messages	
	AVG_Order_Value		
1	38.3072623343546		

### 3.Total Pizza Sold:

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

**OUTPUT:**

Results		Messages	
	Total_Pizza_Sold		
1	49574		

### 4.Total Orders:

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

**OUTPUT:**

Results		Messages
	Total_orders	
1	21350	

## 5.Average Pizza 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_Pizza_per_order  
FROM pizza_sales;
```

**OUTPUT:**

Results		Messages
	Avg_Pizza_per_order	
1	2.32	

## B. Daily Trend for Total Orders:

```
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:**

Results			Messages
	order_by	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)
ORDER BY Total_orders DESC;
```

**OUTPUT:**

	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

### D. % of Sales by Pizza Category:

```
SELECT pizza_category, SUM(total_price)*100 /
(SELECT SUM(total_price) FROM pizza_sales) AS PTC
FROM pizza_sales
GROUP BY pizza_category;
```

**OUTPUT:**

	pizza_category	PTC
1	Classic	26.9059602306976
2	Chicken	23.9551375322885
3	Veggie	23.6825910258677
4	Supreme	25.4563112111462

### E. % of Sales by Pizza Size:

```
SELECT pizza_size, CAST(SUM (total_price) AS DECIMAL(10,2))AS
total_sales,
CAST(SUM(total_price)*100 /
```

```
(SELECT SUM(total_price) FROM pizza_sales) AS DECIMAL (10,2)) AS PTC
FROM pizza_sales
GROUP BY Pizza_size
ORDER BY PTC DESC;
```

**OUTPUT:**

	pizza_size	total_sales	PTC
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. 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;
```

**OUTPUT:**

	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 TOP 5 pizza_name, SUM(total_price) AS total_revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY total_revenue ASC;
```

**OUTPUT:**

Results		
Messages		
	pizza_name	total_revenue
1	The Brie Carré 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 TOP 5 pizza_name, SUM(quantity) AS total_quantity
FROM pizza_sales
GROUP BY pizza_name
ORDER BY total_quantity DESC;
```

**OUTPUT:**

	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

## I. Bottom 5 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;
```

**OUTPUT:**

	pizza_name	total_quantity
1	The Brie Carré 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 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;
```

### OUTPUT:

	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 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;
```

### OUTPUT:

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

