

# PIZZA SALES SQL QUARIES

## A) KPI'S

### 1. Total Revenue

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

Results		Messages	
Total_Revenue			
1	817860.05083847		

### 2. Avg 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 Quantity of pizza

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

Results		Messages	
Total_Quantity			
1	49574		

### 4. Total Orders

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

Results		Messages	
Total_Orders			
1	21350		

### 5. Avg 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
```

Results		Messages
Avg_pizza_per_order		
1	2.32	

## B) Hourly trend for pizza sold

```
SELECT DATEPART(HOUR, order_time) as order_hour , SUM(quantity) as Total_pizza_sold
FROM pizza_sales GROUP BY DATEPART(HOUR, order_time) ORDER BY DATEPART(HOUR,
order_time)
```

Results		Messages
	order_hour	Total_pizza_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) Weekly trend for total orders

```
SELECT DATEPART(ISO_WEEK, order_date) as Week_number, COUNT(DISTINCT order_id) as
Total_order FROM pizza_sales GROUP BY DATEPART(ISO_WEEK, order_date) ORDER BY
DATEPART(ISO_WEEK, order_date)
```

Results		Messages
	Week_number	Total_order
1	1	254
2	2	427
3	3	400
4	4	415
5	5	436
6	6	422
7	7	423
8	8	393
9	9	409
10	10	420
11	11	404
12	12	416
13	13	427
14	14	433
15	15	408
16	16	414
17	17	437
18	18	423
19	19	399
20	20	458

## D) Percentage of Sales by Pizza Category

```
SELECT pizza_category, sum(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales)
PCT FROM pizza_sales GROUP BY pizza_category
```

Results		Messages
	pizza_category	PCT
1	Classic	26.9059602306976
2	Chicken	23.9551375322885
3	Veggie	23.6825910258677
4	Supreme	25.4563112111462

## E) Percentage of Sales by Pizza Category

```
SELECT pizza_size, SUM(total_price)*100 / (SELECT SUM(total_price) FROM pizza_sales) PS
FROM pizza_sales GROUP BY pizza_size order by PS
```

Results		Messages
	pizza_size	PS
1	XXL	0.123077294254725
2	XL	1.72107684995364
3	S	21.7734684107037
4	M	30.492044420599
5	L	45.8903330244889

## 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
```

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

## 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
```

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) Total_Sold_Pizza FROM pizza_sales
GROUP BY pizza_name ORDER BY Total_Sold_Pizza DESC
```

	pizza_name	Total_Sold_Pizza
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) Total_Sold_Pizza FROM pizza_sales
GROUP BY pizza_name ORDER BY Total_Sold_Pizza ASC
```

	pizza_name	Total_Sold_Pizza
1	The Brie Camé 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 TOP 5 pizza_name, COUNT(DISTINCT order_id) AS Total_order FROM pizza_sales
GROUP BY pizza_name ORDER BY Total_order DESC
```

	pizza_name	Total_order
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

### H) Bottom 5 Pizzas by Total Orders

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

Results			Messages
	pizza_name	Total_order	
1	The Brie Carne Pizza	480	
2	The Mediterranean Pizza	912	
3	The Spinach Supreme Pizza	918	
4	The Calabrese Pizza	918	
5	The Chicken Pesto Pizza	938	

## NOTE

If you want to apply the pizza\_category or pizza\_size filters to the above queries you can use WHERE clause. Follow some of below examples

```
SELECT Top 5 pizza_name, COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
WHERE pizza_category = 'Classic'
GROUP BY pizza_name
ORDER BY Total_Orders ASC
```