

# SQL QUERY USED

## Pizza Sales Analysis

This is a project of pizza sales analysis on the basis of quantity , order , name ,category , size etc. The following metrics or query performed will be finally visualized in PowerBI Dashboard.

### Project Details

#### KPIs

#### ⚡ Total Revenue

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

Results		Messages	
Total_Revenue			
1	817860.05083847		

#### ⚡ Average Order Value

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

Results		Messages	
Average_Order			
1	38.3072623343546		

## ⚡ Total Pizza Sold

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

Results		Messages
Total_Pizza_Sold		
1	49574	

## ⚡ Total Order

```
SELECT COUNT(DISTINCT order_id) as Total_Order from pizza_sales;
```

Results		Messages
Total_Order		
1	21350	

## ⚡ 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;
```

Results		Messages
Avg_Pizza_per_Order		
1	2.32	

## Daily Trend for Total Order

```
SELECT DATENAME(DW,order_date) AS Order_Day ,  
COUNT(DISTINCT order_id) AS Total_Orders  
FROM pizza_sales  
GROUP BY DATENAME(DW,order_date);
```

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

## Daily trend for monthly order

```
SELECT DATENAME(MONTH,order_date) AS Order_Month ,  
COUNT(DISTINCT order_id) AS Total_Orders  
FROM pizza_sales  
GROUP BY DATENAME(MONTH,order_date);
```

Results Messages		
	Order_Month	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

## ⚡ % Sales of pizza by Category

```
SELECT pizza_category, CAST(SUM(total_price) AS decimal(10,2)) AS 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	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

## ⚡ % Sales of pizza by Size

```
SELECT pizza_size, CAST(SUM(total_price) AS decimal(10,2)) AS 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;
```

Results		Messages	
	pizza_size	Revenue	PCT
1	L	375318.70	45.89
2	XXL	1006.60	0.12
3	M	249382.25	30.49
4	XL	14076.00	1.72
5	S	178076.50	21.77

⚡ **Total pizza sold by Category**

```
SELECT pizza_category, SUM(quantity) AS Total_Pizza_Sold
FROM pizza_sales
GROUP BY pizza_category;
```

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

⚡ **Top 5 best selling pizza by Revenue**

```
SELECT TOP 5 pizza_name, CAST(SUM(total_price) AS decimal(10,2)) AS Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Revenue DESC;
```

	pizza_name	Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768.00
3	The California Chicken Pizza	41409.50
4	The Classic Deluxe Pizza	38180.50
5	The Spicy Italian Pizza	34831.25

## ⚡ Bottom 5 best selling pizza by Revenue

```
SELECT TOP 5 pizza_name, CAST(SUM(total_price) AS decimal(10,2)) AS Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Revenue ASC;
```

Results Messages		
	pizza_name	Revenue
1	The Brie Carre Pizza	11588.50
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.50
5	The Spinach Pesto Pizza	15596.00

## ⚡ Top 5 best selling pizza by Quantity

```
SELECT TOP 5 pizza_name, CAST(SUM(quantity) AS decimal(10,0)) AS
Total_Quantity
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Quantity DESC;
```

Results Messages		
	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

## ⚡ Bottom 5 best selling pizza by quantity

```
SELECT TOP 5 pizza_name, CAST(SUM(quantity) AS decimal(10,0)) AS  
Total_Quantity  
FROM pizza_sales  
GROUP BY pizza_name  
ORDER BY Total_Quantity ASC;
```

Results Messages		
	pizza_name	Total_Quantity
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

## ⚡ Top 5 best selling pizza by Total order

```
SELECT TOP 5 pizza_name, CAST(COUNT(DISTINCT order_id) AS decimal(10,0)) AS  
Total_Order  
FROM pizza_sales  
GROUP BY pizza_name  
ORDER BY Total_Order DESC;
```

Results Messages		
	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

⚡ Bottom 5 best selling pizza by Total order

```
SELECT TOP 5 pizza_name, CAST(COUNT(DISTINCT order_id) AS decimal(10,0)) AS
Total_Order
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Order ASC;
```

Results		Messages
	pizza_name	Total_Order
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