

# PIZZA SALES QUERIES

## A.KPI'S

### 1.Total Revenue:

```
SELECT sum(total_price) AS Total_Price FROM pizza_sales;
```

Results Messages	
	TOTAL_PRICE
1	817860.05083847

### 2.Average Order Value:

```
SELECT SUM(total_price)/(COUNT(Distinct order_id))  
AS Average_order_value FROM pizza_sales;
```

Results Messages	
	Average_order_value
1	38.3072623343546

### 3.Total Pizzas Sold:

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

Results Messages	
	Total_Pizza_Sold
1	49574

### 4.Total Orders:

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

Results Messages	
	Total_Orders
1	21350

## 5. Average Pizzas Per Order (cast function is used for converting numeric to string data types):

```
SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2))/CAST(COUNT(DISTINCT  
order_id)AS DECIMAL(10,2))  
AS DECIMAL(10,2))  
AS Average_Pizza_per_order  
FROM pizza_sales;
```

Results		Messages	
	Avg_Pizzas_per_order		
1	2.32		

## A. Daily Trend for Total Orders

```
SELECT DATENAME(DW,order_date) AS Order_day ,  
COUNT(DISTINCT order_id) AS Total_order  
FROM pizza_sales  
group by DATENAME(DW,order_date)  
order by Total_orders;
```

100 %

Results

Messages

	Order_day	Total_orders
1	Sunday	2624
2	Monday	2794
3	Tuesday	2973
4	Wednesday	3024
5	Saturday	3158
6	Thursday	3239
7	Friday	3538

## B. Monthly Trend for Orders

```
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

## C. % of Sales by Pizza Category

```
SELECT pizza_category, CAST(SUM(total_price) AS DECIMAL) AS  
Total_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	Total_revenue	PCT
1	Classic	220053	26.91
2	Chicken	195920	23.96
3	Veggie	193690	23.68
4	Supreme	208197	25.46

## D. % of Sales by Pizza Size

```
SELECT pizza_size,  
CAST(SUM(total_price) AS DECIMAL)AS Total_revenue,  
CAST(SUM(total_price) AS DECIMAL) AS PCT  
FROM pizza_sales  
group by pizza_size  
order by pizza_size;
```

	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

## E. Total Pizzas Sold by Pizza Category

```
SELECT pizza_category,  
SUM(quantity)AS Total_pizza_sold  
FROM pizza_sales  
group by pizza_category  
order by Total_pizza_sold desc;
```

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

## 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 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

## H. 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;
```

	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

## I. 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;
```

	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

## J. 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;
```

 Results  Messages

	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 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;
```

 Results  Messages

	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

## L. Top 5 Pizzas by Pizza Category

```
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;
```

Results Messages

	pizza_name	Total_orders
1	The Pepperoni, Mushroom, and Peppers Pizza	1316
2	The Greek Pizza	1361
3	The Italian Capocollo Pizza	1380
4	The Napolitana Pizza	1421
5	The Big Meat Pizza	1811

## M. Top 5 Pizzas by Pizza Size

```
SELECT TOP 5 pizza_name,  
COUNT(DISTINCT order_id) AS Total_orders  
FROM pizza_sales  
where pizza_size='M'  
group by pizza_name  
order by Total_orders asc;
```

Results Messages

	pizza_name	Total_orders
1	The Spinach Supreme Pizza	266
2	The Soppressata Pizza	268
3	The Mediterranean Pizza	271
4	The Chicken Pesto Pizza	274
5	The Greek Pizza	279