

## SQL Queries

### 1.KPI's:

A. Total Revenue:

```
select sum(total_price) as Total_Revenue from pizza_sales
```

Results		Messages	
Total_Revenue			
1	817860.05083847		

B. Average 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		

C. Total Pizzas Sold

```
select sum(quantity) as Total_Pizzas_Sold from pizza_sales
```

Results		Messages	
Total_Pizzas_Sold			
1	49574		

D. Total Oreders

```
select count(distinct order_id) as Total_Orders from pizza_sales
```

Results		Messages	
Total_Orders			
1	21350		

E. Average Pizzas 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_pizzas_per_order from pizza_sales
```

Results		Messages
	avg_pizzas_per_order	
1	2.32	

## 2. Daily Trend of 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)
order by order_day desc
```

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

## 3. Monthly Trend of Total Orders

```
select DATENAME(MONTH,order_date) as order_day , count(Distinct order_id) as total_orders
from pizza_sales
group by DATENAME(MONTH,order_date)
order by order_day desc
```

Results		Messages
	order_day	total_orders
1	September	1661
2	October	1646
3	November	1792
4	May	1853
5	March	1840
6	June	1773
7	July	1935
8	January	1845
9	February	1685
10	December	1680
11	August	1841
12	April	1799

#### 4. Percentage of Sales by Pizza Category

```
select pizza_category, cast(sum(total_price) as decimal(10,2)) 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
```

	pizza_category	Total_revenue	PCT
1	Chicken	195919.50	23.96
2	Supreme	208197.00	25.46
3	Classic	220053.10	26.91
4	Veggie	193690.45	23.68

#### 5. Percentage of Sales by Pizza Size

```
select pizza_size, cast(sum(total_price) as decimal(10,2)) 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_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

#### 6. Total Pizzas Sold by Category

```
Select pizza_category, sum(quantity) as pizzas_sold from pizza_sales  
--where MONTH(order_date) = 2  
group by pizza_category  
order by pizza_category
```

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

## 7. Top 5 Pizzas By Revenue

```
select top 5 pizza_name, sum(total_price) 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
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

## 8. Bottom 5 Pizzas By Revenue

```
select top 5 pizza_name, sum(total_price) as revenue from pizza_sales
group by pizza_name
order by revenue
```

	pizza_name	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

## 9. Top 5 Pizzas By Quantity

```
select top 5 pizza_name , sum(quantity) as total from pizza_sales
group by pizza_name
order by total desc
```

	pizza_name	total
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

## 10. Bottom 5 pizzas By Quantity

```
select top 5 pizza_name , sum(quantity) as total from pizza_sales
group by pizza_name
order by total
```

Results Messages		
	pizza_name	total
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

### 11. 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

### 12. 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
```

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