

# Pizza SQL queries

## KPI

- **Total revenue**

```
select SUM(total_price)
AS Total_Revenue
from pizza_sales
```

	Total_Revenue
1	817860.05083847

- **Average Order Value**

```
select SUM(total_price)/COUNT(DISTINCT order_id)
as avg_order_value
from pizza_sales
```

	avg_order_value
1	38.3072623343546

- **Total pizza sold**

```
select SUM(quantity)
as total_pizza_sold
from pizza_sales
```

	total_pizza_sold
1	49574

- **Total order places**

```
select COUNT(DISTINCT order_id)
as total_orders
from pizza_sales
```

	total_orders
1	21350

- **Average number of 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_pizza_per_order
from pizza_sales
```

	avg_pizza_per_order
1	2.32

- **Day wise 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_day	Total_orders
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

- **Distribution Of Pizza category**

```
select pizza_category,
sum(total_price) as Total_sales,
sum(total_price) * 100 / (SELECT sum(total_price) from pizza_sales) as PCT
from pizza_sales
group by pizza_category
```

	pizza_category	Total_sales	PCT
1	Classic	220053.100021362	26.9059602306976
2	Chicken	195919.5	23.9551375322885
3	Veggie	193690.451004028	23.6825910258677
4	Supreme	208196.99981308	25.4563112111462

- **Month wise orders**

```
select DATENAME(MONTH, order_date) as Month_Name,
COUNT(DISTINCT order_id) as total_order
from pizza_sales
GROUP BY DATENAME(MONTH, order_date)
```

	Month_Name	total_order
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

- **% 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

- **Total Pizzas Sold by Pizza Category**

```
SELECT pizza_category, SUM(quantity) as Total_Quantity_Sold
FROM pizza_sales
WHERE MONTH(order_date) = 2
GROUP BY pizza_category
ORDER BY Total_Quantity_Sold DESC
```

	pizza_category	Total_Quantity_Sold
1	Classic	1178
2	Supreme	964
3	Veggie	944
4	Chicken	875

- **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
```

	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

- **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
```

	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

- **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

- **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 Carré 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 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
```

	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

- **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 ASC
```

	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