

Pizza Sales SQL Queries

1.Total Revenue

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

Results		Messages	
Total_Revenue			
1	817860.05083847		

2. Average Order Value

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

Results		Messages	
Average_Order_Value			
1	38.3072623343546		

3. Total Pizza's Sold

```
select SUM(quantity) Total_Pizzas_Sold from pizza_sales
```

Results		Messages	
Total_Pizzas_Sold			
1	49574		

4. Total Orders

```
select COUNT(DISTINCT order_id) Total_Orders from pizza_sales
```

Results		Messages	
Total_Orders			
1	21350		

3. Average Pizza's Per Order

```
select CAST(CAST(SUM(quantity) as DECIMAL(10,2)) / CAST(COUNT(DISTINCT order_id) as  
DECIMAL(10,2))
```

```
as DECIMAL(10,2)) Avg_order_per_sale from pizza_sales
```

Results Messages	
	Avg_order_per_sale
1	2.32

CHARTS REQUIREMENT

1. Daily trends for total orders

select DATENAME(MONTH, order_date) as Month_name, COUNT(DISTINCT order_id) as Total_orders from pizza_sales group by DATENAME(MONTH, order_date)

order by Total_orders desc

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

2.Hourly trends for total orders

SELECT DATEPART(HOUR, order_time) Time_in_hour, COUNT(DISTINCT order_id) Total_orders

from pizza_sales group by DATEPART(HOUR, order_time) order by DATEPART(HOUR, order_time)

Results Messages		
	Time_in_hour	Total_orders
1	9	1
2	10	8
3	11	1231
4	12	2520
5	13	2455
6	14	1472
7	15	1468
8	16	1920
9	17	2336
10	18	2399
11	19	2009
12	20	1642
13	21	1198
14	22	663
15	23	28

3. Percentage of total sales by pizza category

```
select pizza_category, SUM(total_price) as Total_sales, SUM(total_price) * 100 / (select SUM(total_price) from pizza_sales where MONTH(order_date) = 1)
```

```
as PCT_of_total_sales from pizza_sales where MONTH(order_date) = 1 group by pizza_category  
order by PCT_of_total_sales DESC
```

	pizza_category	Total_sales	PCT_of_total_sales
1	Classic	18619.4000015259	26.6779189176038
2	Supreme	17929.7499866486	25.6897867985821
3	Veggie	17055.4000778198	24.4370162489706
4	Chicken	16188.75	23.1952780348435

NOTE:

**** Here MONTH(order_date) = 1 indicates that the output is for the month of January,
MONTH(order_date) = 4 indicates for April, Needed to use in the sub query also**

**** We can find for quarterly also by using DATEPART(QUARTER, order_date) = 1 for the 1st quarter
and DATEPART(QUARTER, order_date) = 3 for the final quarter.**

4. Percentage of total sales by Pizza Size

```
select pizza_size, CAST(SUM(total_price) as DECIMAL(10,2)) as Total_sales, CAST(SUM(total_price) *  
100 / (select SUM(total_price) from pizza_sales where DATEPART(QUARTER, order_date) = 1) as  
DECIMAL(10,2)) as PCT_of_total_sales from pizza_sales where DATEPART(QUARTER, order_date) = 1  
group by pizza_size order by PCT_of_total_sales DESC
```

	pizza_size	Total_sales	PCT_of_total_sales
1	L	95229.65	46.37
2	M	61159.00	29.78
3	S	45384.25	22.10
4	XL	3289.50	1.60
5	XXL	287.60	0.14

5. Top 5 Best seller in terms of total revenue

```
SELECT TOP 5 pizza_name, CAST(SUM(total_price) as DECIMAL(10,2)) Total_Revenue from  
pizza_sales
```

group by pizza_name order by Total_Revenue DESC

Results Messages		
	pizza_name	Total_sales
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

6. Bottom 5 sellers in terms of total revenue

SELECT TOP 5 pizza_name, CAST(SUM(total_price) as DECIMAL(10,2)) Total_Revenue from
pizza_sales

group by pizza_name order by Total_Revenue

Results Messages		
	pizza_name	Total_sales
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

7. Top 5 best sellers in terms of quantity

SELECT TOP 5 pizza_name, CAST(SUM(quantity) as DECIMAL(10,2)) 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	2453.00
2	The Barbecue Chicken Pizza	2432.00
3	The Hawaiian Pizza	2422.00
4	The Pepperoni Pizza	2418.00
5	The Thai Chicken Pizza	2371.00

8. Bottom 5 sellers in terms of quantity

SELECT TOP 5 pizza_name, CAST(SUM(quantity) as DECIMAL(10,2)) Total_quantity from pizza_sales

group by pizza_name order by Total_quantity

Results Messages		
	pizza_name	Total_quantity
1	The Brie Carre Pizza	490.00
2	The Mediterranean Pizza	934.00
3	The Calabrese Pizza	937.00
4	The Spinach Supreme Pizza	950.00
5	The Soppressata Pizza	961.00

9.Top 5 best sellers in terms of orders

SELECT TOP 5 pizza_name, COUNT(DISTINCT order_id) 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

10.Bottom 5 sellers in terms of orders

SELECT TOP 5 pizza_name, COUNT(DISTINCT order_id) Total_orders from pizza_sales
group by pizza_name order by Total_orders

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