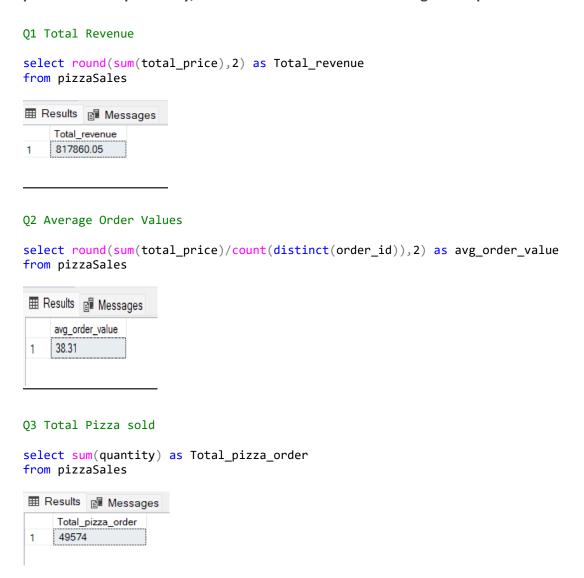
# Pizza Sales Analysis SQL Project

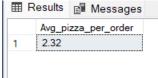
<u>Database</u>: Pizza Tools: SQL Server

## **PROBLEM STATEMENT**

We need to analyze key indicators for our pizza sales data to gain insights into our business performance. Specifically, we want to calculate the following some queries:

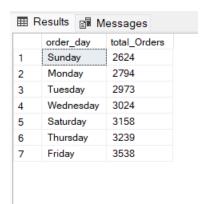


# Q4 Total Orders select count(distinct(order\_id)) as Total\_orders from pizzaSales Results Messages Total\_orders 1 21350 Q5 Avg pizza\_per\_order select cast(cast(sum(quantity) as decimal(10,2))



Q6 Daily Trend for Total Orders

```
Select Datename(DW, order_date) as order_day,
count(distinct(order_id)) as total_Orders
from pizzaSales
group by datename(dw, order_date)
order by total_Orders
```



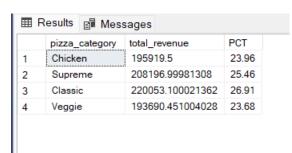
Q7. Monthly Trend for Orders

```
select datename(Month, order_date) as month_name,
count(distinct(order_id)) as Total_month_orders
from pizzaSales
group by datename(Month, order_date)
order by Total_month_orders
```



### Q8. % of Sales by Category

```
select pizza_category,sum(total_price) as total_revenue,
cast(sum(total_price)*100 / (select sum(total_price) from pizzaSales)
as decimal(10,2))
as PCT
from pizzaSales
group by pizza_category
--or
select pizza_category,sum(total_price) as total_revenue,
round(sum(total_price)*100 / (select sum(total_price) from pizzaSales),2)
as PCT
from pizzaSales
group by pizza_category
```



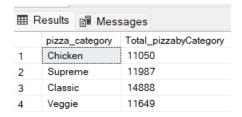
### Q9 % of Sales by Pizza Size

```
select pizza_size, cast(sum(total_price) as decimal(10,2)) as total_revenue,
round(sum(total_price)*100 / (select sum(total_price) from pizzaSales),2)
as PCT
from pizzaSales
group by pizza_size
order by PCT desc
```

	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

### Q10 Total Pizzas sold by Pizza Category

select pizza\_category, sum(quantity) as Total\_pizzabyCategory
from pizzaSales
group by pizza\_category



### --Q Total Pizza sold by pizza category in month June

select pizza\_category, sum(quantity) as Total\_pizzabyCategory
from pizzaSales
where month(order\_date)=6
group by pizza\_category



```
Q11 Top 5 Pizza by Revenue by window functon
```

or

By comman table expression(cte)

	pizza_name	total_revenue	pizza_revenue_ranl
1	The Thai Chicken Pizza	43434.25	1
2	The Barbecue Chicken Pizza	42768	2
3	The California Chicken Pizza	41409.5	3
4	The Classic Deluxe Pizza	38180.5	4
5	The Spicy Italian Pizza	34831.25	5

### Q12. Bottom 5 pizza by Revenue

```
select Top 5 pizza_name, sum(total_price) as Total_Revenue
from pizzaSales
group by pizza_name
order by Total_Revenue asc
```



### Q13 Top 5 Pizza by Total Orders

```
select top 5 pizza_name, count(distinct order_id) as Total_Orders
from pizzaSales
group by pizza_name
order by Total_Orders desc
```



--Q14 Bottom 5 Pizza by Total Orders

select top 5 pizza\_name, count(distinct order\_id) as Total\_Orders
from pizzaSales
group by pizza\_name
order by Total\_Orders asc



Q15 Top 5 pizza by Quantity

select Top 5 pizza\_name, sum(quantity) as total\_pizza\_sold
from pizzaSales
group by pizza\_name
order by Total\_pizza\_sold desc



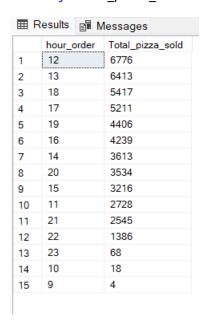
Q16 Bottom 5 pizza by Quantity

```
select Top 5 pizza_name, sum(quantity) as total_pizza_sold
from pizzaSales
group by pizza_name
order by Total pizza sold asc
```



### Q17 Hourly Trend for Total pizza sold

```
select datepart(hour, order_time) as hour_order,
sum(quantity) as Total_pizza_sold
from pizzaSales
group by datepart(hour, order_time)
order by Total_pizza_sold desc
```



### Q18 weekly Trend for Total Orders

```
select datepart(ISO_WEEK, order_date) as week_number,
year(order_date) as Order_year,
count(distinct order_id) as Total_orders
from pizzaSales
group by datepart(ISO_WEEK, order_date), year(order_date)
```

⊞ Re	⊞ Results  Messages				
	week_number	Order_year	Total_orders		
1	14	2015	433		
2	28	2015	417		
3	2	2015	427		
4	16	2015	414		
5	33	2015	435		
6	47	2015	392		
7	21	2015	414		
8	35	2015	394		
9	52	2015	298		
10	9	2015	409		
11	40	2015	433		
12	37	2015	435		
13	11	2015	404		
14	51	2015	430		
15	25	2015	410		
16	42	2015	386		
17	13	2015	427		
18	30	2015	433		
19	44	2015	371		