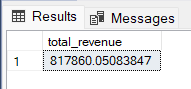
# **Project : pizza sales analysis using powerBI and SQL**

## A. KPI’s :

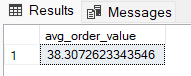
1. Total Revenue:

select SUM(total\_price) as total\_revenue from pizza\_sales;



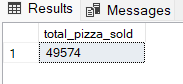
2. Average revenue per order:

select SUM(total\_price)/ COUNT(distinct order\_id) as avg\_order\_value from pizza\_sales;



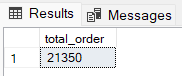
3. Total pizza sold:

select SUM(quantity) as total\_pizza\_sold from pizza\_sales;



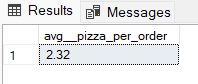
4. Total order:

select count(distinct order\_id) as total\_order from pizza\_sales;



5. Average pizza 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;

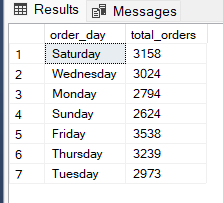


## B. Chart req.:

1. Daily trend for total orders:

select DATENAME(DW, order\_date) as order\_day, count(distinct order\_id) as total\_orders from pizza\_sales

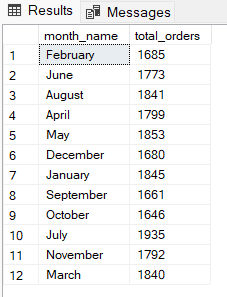
GROUP BY DATENAME(DW,order\_date);



2. Monthly trend for total order:

select DATENAME(MONTH, order\_date) as month\_name, count(distinct order\_id) as total\_orders from pizza\_sales

GROUP BY DATENAME(MONTH,order\_date);

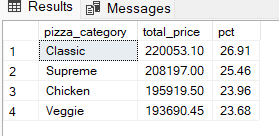


3. Total sale and its percentage by pizza category:

select pizza\_category, cast(sum(total\_price) as decimal(10,2)) as total\_price , 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

order by pct desc;

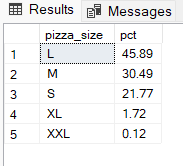


4. Percentage of total sale by pizza size:

select pizza\_size, 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 pct desc;



5. Top 5 and bottom 5 best seller and worst seller pizzas by revenue:

select top 5 pizza\_name, sum(total\_price) as total\_revenue from pizza\_sales

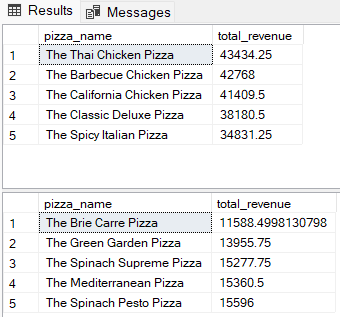
group by pizza\_name

order by total\_revenue desc;

select top 5 pizza\_name, sum(total\_price) as total\_revenue from pizza\_sales

group by pizza\_name

order by total\_revenue asc;



6. Top 5 and bottom 5 best seller and worst seller pizzas by quantity:

select top 5 pizza\_name, sum(quantity) as total\_quantity from pizza\_sales

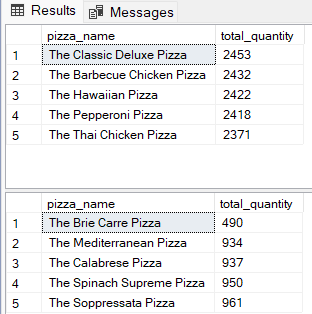
group by pizza\_name

order by total\_quantity desc;

select top 5 pizza\_name, sum(quantity) as total\_quantity from pizza\_sales

group by pizza\_name

order by total\_quantity asc;



7. Top 5 and bottom 5 best seller and worst seller pizzas by order:

select top 5 pizza\_name, count(distinct order\_id) as total\_order from pizza\_sales

group by pizza\_name

order by total\_order desc;

select top 5 pizza\_name, count(distinct order\_id) as total\_order from pizza\_sales

group by pizza\_name

order by total\_order asc;

