# SQL & Power BI Project

Reference Sheet

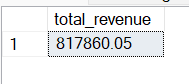
**KPI**

1. Total Revenue:

The sum of the total prize of all pizza orders.

Query is,

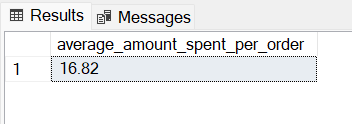
SELECT CAST(SUM(total\_price) AS DECIMAL(10,2)) AS total\_revenue from pizza\_sales



1. Average Order Value:

The average amount spent per order, calculated by dividing the total revenue by the total number of orders.

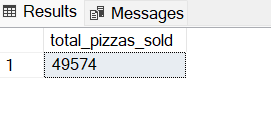
SELECT CAST(SUM(total\_price) / COUNT(pizza\_id) AS DECIMAL(10,2)) AS average\_amount\_spent\_per\_order from pizza\_sales



1. Total prizes Sold:

The sum of the quantities of all prizes sold.

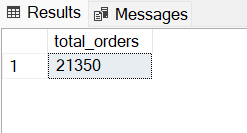
SELECT SUM(quantity) AS total\_pizzas\_sold from pizza\_sales



1. Total Orders:

The number of orders placed.

SELECT COUNT(Distinct order\_id) AS total\_orders from pizza\_sales

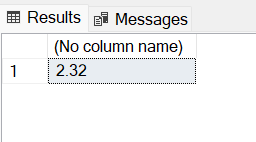


1. Average prizes per order:

The average number of prizes sold per order, calculated by dividing the total number of prizes sold by the total number of orders.

SELECT cast(CAST(SUM(quantity) as decimal(10,2)) /

cast(count(DIstinct order\_id) as DECIMAL(10,2)) as decimal(10,2)) from pizza\_sales



**Charts**

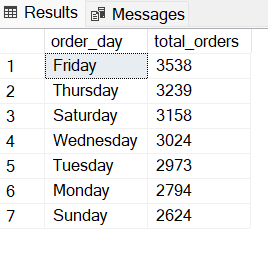
1. Daily Trends for Total Orders:

SELECT DATENAME(DW, order\_date) as order\_day, count(distinct order\_id) as total\_orders

from pizza\_sales

group by DATENAME(DW, order\_date)

Order by total\_orders DESC



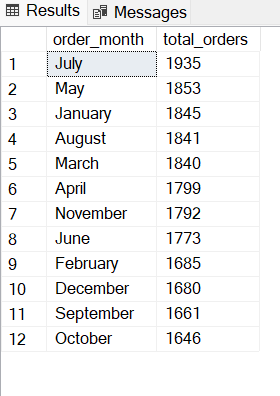
1. Monthly Trend for Total Orders:

SELECT DATENAME(MONTH, order\_date) as order\_month, count(distinct order\_id) as total\_orders

from pizza\_sales

group by DATENAME(Month, order\_date)

Order by total\_orders DESC

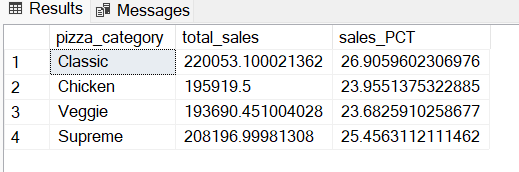


1. Percentage of Sales by Pizza Category:

SELECT pizza\_category, sum(total\_price) as total\_sales, sum(total\_price) \* 100 / (select sum(total\_price) from pizza\_sales) as sales\_PCT

from pizza\_sales

group by pizza\_category



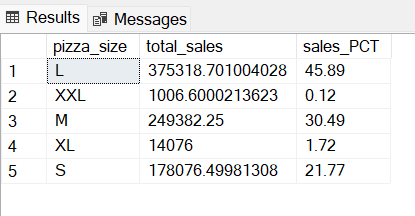
1. Percentage of Sales by Pizza Size:

SELECT pizza\_size, sum(total\_price) as total\_sales, CAST(sum(total\_price) \* 100 /

(select sum(total\_price) from pizza\_sales) AS Decimal(10,2)) as sales\_PCT

from pizza\_sales

group by pizza\_size

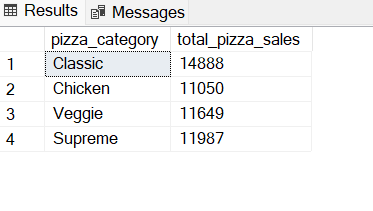


1. Total Pizza Sold by Pizza Category:

SELECT pizza\_category, sum(Quantity) as total\_pizza\_sales

from pizza\_sales

group by pizza\_category



1. Top 5 best sellers by Revenue, Total Quantity, and Total Orders:

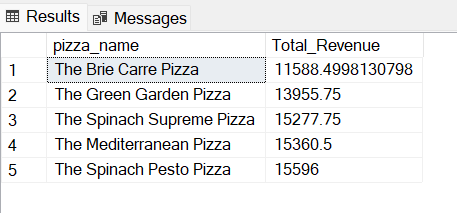
By Sales:

SELECT TOP 5 pizza\_name, sum(total\_price) as Total\_Revenue

from pizza\_sales

group by pizza\_name

Order by Total\_Revenue



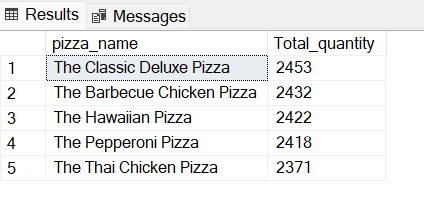
By Quantity:

SELECT TOP 5 pizza\_name, sum(quantity) as Total\_quantity

from pizza\_sales

group by pizza\_name

Order by Total\_quantity DESC



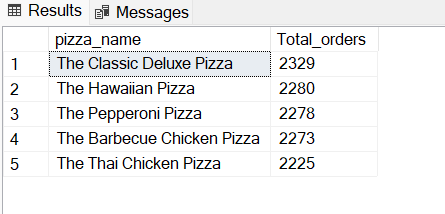
By Orders:

SELECT TOP 5 pizza\_name, COunt(distinct order\_id) as Total\_orders

from pizza\_sales

group by pizza\_name

Order by Total\_orders desc



1. Bottom 5 best sellers by Revenue, Total Quantity, and Total Orders:

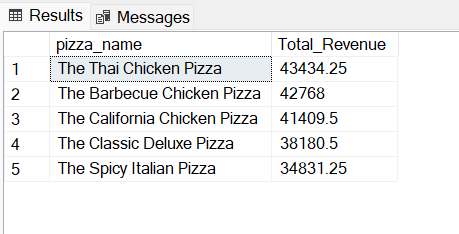
By Sales:

SELECT TOP 5 pizza\_name, sum(total\_price) as Total\_Revenue

from pizza\_sales

group by pizza\_name

Order by Total\_Revenue DESC



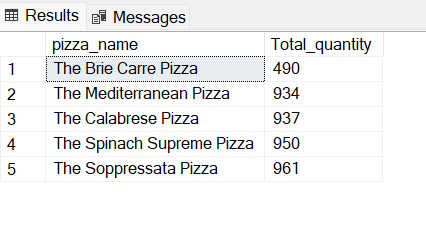
By Quantity:

SELECT TOP 5 pizza\_name, sum(quantity) as Total\_quantity

from pizza\_sales

group by pizza\_name

Order by Total\_quantity aSC



By 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

