**Pizza Sales Data Analysis SQL Queries**

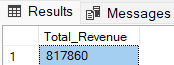
**A. KPI QUERY**

**1. Total Revenue**

SELECT

ROUND(SUM(total\_price), 0) AS Total\_Revenue

FROM pizza\_sales;



**2. AVG Order Value**

SELECT

SUM(total\_price) /

COUNT(DISTINCT order\_id) AS AVG\_order\_value

FROM pizza\_sales;

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**3.Total Quantity of Pizza Sold**

SELECT

SUM(quantity) AS Total\_Quantity\_of\_Pizzas\_Sold

FROM pizza\_sales;

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**4.Total Orders**

SELECT

COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales;

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**5.AVG 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

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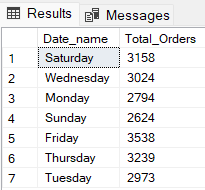
**B. CHARTS QUERY**

**1. Daily Trend for Total Orders**

SELECT DATENAME(DW, order\_date) AS Date\_name, COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales

GROUP BY DATENAME(DW, order\_date);

****

**2. Monthly Trend 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;

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**3. Percentage of Sales by pizza\_category**

WITH temp\_table AS (

SELECT

pizza\_category, SUM(total\_price) AS total\_sales,

SUM(total\_price) AS total\_price

FROM pizza\_sales

WHERE MONTH(order\_date) = 1

GROUP BY pizza\_category

)

SELECT

pizza\_category, total\_sales,

total\_price \* 100.0 / (SELECT SUM(total\_price) FROM temp\_table) AS percentage\_of\_total

FROM temp\_table;

**#NOTE**

**To apply MONTH, QUARTER, WEEK filters to the queries,**

**You can use the WHERE CLAUSE.**

**Follow some of the below examples to execute filters.**

WITH temp\_table AS (

SELECT

pizza\_category, SUM(total\_price) AS total\_sales,

SUM(total\_price) AS total\_price

FROM pizza\_sales

WHERE MONTH(order\_date) = 1

GROUP BY pizza\_category

)

SELECT

pizza\_category, total\_sales,

total\_price \* 100.0 / (SELECT SUM(total\_price) FROM temp\_table) AS percentage\_of\_total

FROM temp\_table;

Here MONTH(order\_date) = 1 indicates that the output is for the month of January which is the 1st month of the year.

Similarly MONTH(order\_date) = 4 will indicate the month of April.

WITH temp\_table AS (

SELECT

pizza\_category, SUM(total\_price) AS total\_sales,

SUM(total\_price) AS total\_price

FROM pizza\_sales

WHERE DATEPART(QUARTER, order\_date) = 1

GROUP BY pizza\_category

)

SELECT

pizza\_category, total\_sales,

total\_price \* 100.0 / (SELECT SUM(total\_price) FROM temp\_table) AS percentage\_of\_total

FROM temp\_table;

Here DATEPART(QUARTER, order\_date) = 1 indicates that the output is for the 1st Quarter of the year.

Similarly, DATEPART(QUARTER, order\_date) = 3 will indicate the 3rd Quarter of the year.

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**4. Percentage of Sales by Pizza\_Size**

WITH temp\_table AS (

SELECT

pizza\_size, SUM(total\_price) AS total\_sales,

SUM(total\_price) AS total\_price

FROM pizza\_sales

WHERE MONTH(order\_date) = 1

GROUP BY pizza\_size

)

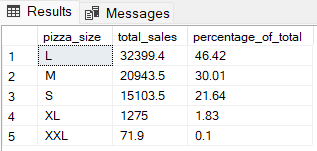
SELECT

pizza\_size, ROUND(total\_sales, 2) AS total\_sales,

ROUND(total\_price \* 100.0 / (SELECT SUM(total\_price) FROM temp\_table), 2) AS percentage\_of\_total

FROM temp\_table

ORDER BY percentage\_of\_total DESC;

****

**5. TOP 5 pizza as per total\_revenue**

SELECT TOP 5

pizza\_name,

ROUND(SUM(total\_price), 2) AS total\_revenue

FROM

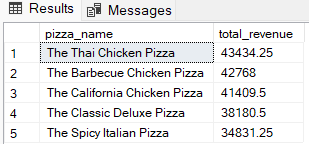
pizza\_sales

GROUP BY

pizza\_name

ORDER BY

total\_revenue DESC;

****

**#NOTE**

**At the above-mentioned query**

LIMIT 5; **can also be used at the last by erasing the** TOP 5

**Similarly, for all the queries where BOTTOM & TOP are required.**

**6. BOTTOM 5 pizza as per total\_revenue**

SELECT TOP 5

pizza\_name,

ROUND(SUM(total\_price), 2) AS total\_revenue

FROM

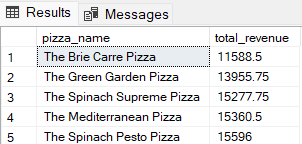
pizza\_sales

GROUP BY

pizza\_name

ORDER BY

total\_revenue ASC;

****

**7. TOP 5 pizza as per total\_quantity**

SELECT TOP 5

pizza\_name,

ROUND(SUM(quantity), 2) AS total\_quantity

FROM

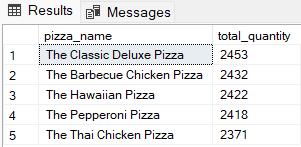
pizza\_sales

GROUP BY

pizza\_name

ORDER BY

total\_quantity DESC;

****

**8. BOTTOM 5 pizza as per total-quantity**

SELECT TOP 5

pizza\_name,

ROUND(SUM(quantity), 2) AS total\_quantity

FROM

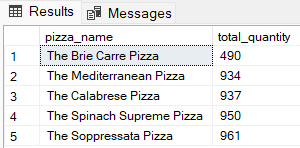
pizza\_sales

GROUP BY

pizza\_name

ORDER BY

total\_quantity ASC;

****

**9. TOP 5 pizza as per 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;

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**10. BOTTOM 5 pizza as per 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;

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