SQL QUERIES

1. Aggregations
2. Total Revenue

Select SUM(total\_price) AS Total\_Revenue FROM pizza\_sales;

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1. Average Order Value

SELECT SUM(total\_price) / COUNT(DISTINCT order\_id) AS Avg\_Order\_Value FROM pizza\_sales;

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1. Total Pizzas Sold

SELECT SUM(quantity) AS Total\_Pizza\_Sold FROM pizza\_sales;

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1. Total Orders

SELECT COUNT(DISTINCT order\_id) AS Total\_orders FROM pizza\_sales;

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1. Average Pizzas 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\_Pizzas\_Per\_Order from pizza\_sales;

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1. Queries for charts
2. Daily Trend for Total Pizzas Sold

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 COUNT(DISTINCT order\_id) DESC

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1. Hourly Trend for Total Pizzas Sold

SELECT DATEPART(HOUR,order\_time) AS order\_hour, SUM(quantity)

AS Total\_Pizzas\_Sold

FROM pizza\_sales

GROUP BY DATEPART(HOUR,order\_time)

ORDER BY DATEPART(HOUR,order\_time) ;

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1. 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 pizza\_sales

GROUP BY DATEPART(ISO\_WEEK, order\_date), YEAR(order\_date)

ORDER BY DATEPART(ISO\_WEEK, order\_date) , YEAR(order\_date);

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1. Percentage of Sales by Pizza Category (January)

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 Percentage\_Of\_Total

FROM pizza\_sales

WHERE MONTH(order\_date) = 1

GROUP BY pizza\_category

ORDER BY pizza\_category

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1. Percentage of Sales by Pizza Size (First Quarter)

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 Percentage\_Of\_Total\_Sales

FROM pizza\_sales

WHERE DATEPART(quarter, order\_date) = 1

GROUP BY pizza\_size

ORDER BY Percentage\_Of\_Total\_Sales DESC

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1. TOP Five Best Sellers by Revenue

SELECT TOP 5 pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY SUM(total\_price) DESC

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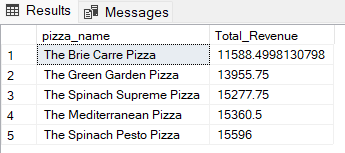
1. BOTTOM Five Worst Sellers by Revenue

SELECT TOP 5 pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY SUM(total\_price) ASC



1. TOP Five Best Sellers by Total Quantity

SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Quantity

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY SUM(quantity) DESC

A screenshot of a menu

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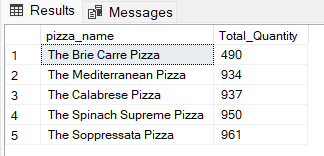
1. BOTTOM Five Worst Sellers by Total Quantity

SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Quantity

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY SUM(quantity) ASC



1. TOP Five Best Sellers by 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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1. BOTTOM Five Worst Sellers by 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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