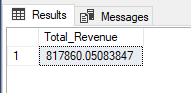
**Pizza Sales SQL Queries**

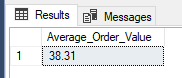
1. **KPI’s**
2. **Total Revenue:**

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



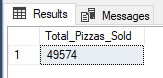
1. **Average Order Value:**

**SELECT ROUND(SUM(total\_price)/COUNT(DISTINCT order\_id),2) AS Average\_Order\_Value FROM pizza\_sales;**



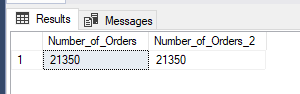
1. **Total Pizza Sold:**

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



1. **Total Orders:**

**SELECT MAX(order\_id) AS Number\_of\_Orders, Count(DISTINCT order\_id) AS Number\_of\_Orders\_2 FROM pizza\_sales;**



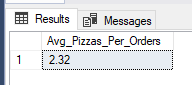
There are 2 different ways to calculate the total number of orders in this data. The first one is based on order\_id’s because order\_id’s start with one and continue incrementing one by one for each order, the second way is to use the count method with the distinct key.

1. **Average Pizzas per Order:**

**SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2))/CAST(MAX(order\_id) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS Avg\_Pizzas\_Per\_Orders FROM pizza\_sales;**

**Short way:**

**SELECT CAST(SUM(quantity)\*1.0/ MAX(order\_id) AS DECIMAL(10,2)) AS Avg\_Pizzas\_Per\_Orders FROM pizza\_sales;**



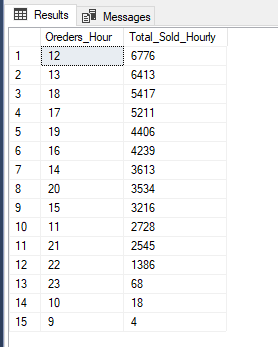
Note: If a number product with float number, the result will be float.

1. **Chart Red Queries**
2. **Hourly Trend for Total Pizza Sold**

**SELECT DATEPART(HOUR, order\_time) Oreders\_Hour, SUM(quantity) AS Total\_Sold\_Hourly FROM pizza\_sales**

**GROUP BY DATEPART(HOUR, order\_time)**

**ORDER BY Total\_Sold\_Hourly DESC;**

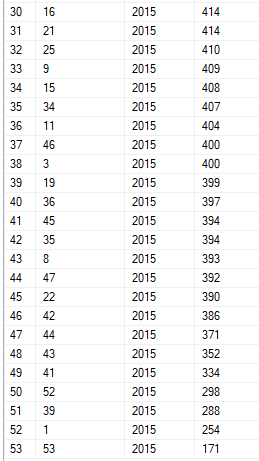
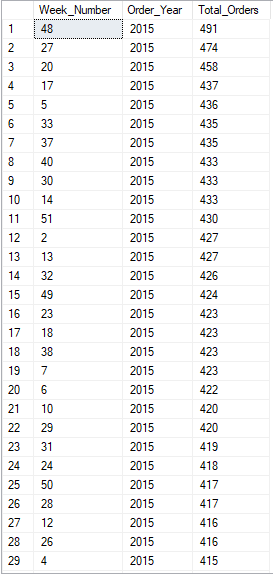


1. **Weekly Trend for Total Orders**

**SELECT DATEPART(ISO\_WEEK, order\_date) Week\_Number, YEAR(order\_date) Order\_Year, COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales**

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

**ORDER BY Total\_Orders DESC;**



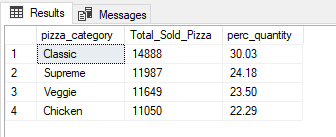
1. **Percentage of Sales by Pizza Category & Total Pizza Sold by Category**

**--Calculated by Quantity**

**SELECT pizza\_category, SUM(quantity) Total\_Sold\_Pizza, SUM(quantity) \* 100 / (SELECT SUM(quantity) FROM pizza\_sales) AS perc\_quantity FROM pizza\_sales**

**GROUP BY pizza\_category**

**ORDER BY Total\_Sold\_Pizza DESC;**

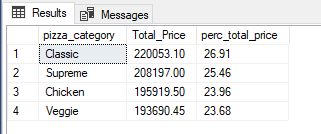


**--Calculated by Total\_Price**

**SELECT pizza\_category, CAST(SUM(total\_price) AS DECIMAL(10,2)) Total\_Price, CAST(SUM(total\_price) \* 100 / (SELECT SUM(total\_price) FROM pizza\_sales) AS DECIMAL(10,2)) AS perc\_total\_price FROM pizza\_sales**

**GROUP BY pizza\_category**

**ORDER BY Total\_Price DESC;**



**--Indicate a Specific Month (Quantity)**

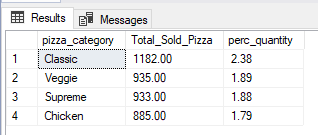
**\*Based on the total number of pizzas in the data**

**SELECT pizza\_category, CAST(SUM(quantity) AS DECIMAL(10,2)) Total\_Sold\_Pizza, CAST(SUM(quantity) \* 100.0 / (SELECT SUM(quantity) FROM pizza\_sales) AS DECIMAL(10,2)) AS perc\_quantity FROM pizza\_sales**

**WHERE MONTH(order\_date) = 12**

**GROUP BY pizza\_category**

**ORDER BY Total\_Sold\_Pizza DESC;**



**--Indicate a Specific Month (Quantity)**

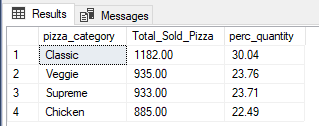
**\*Calculated based on the selected month**

**SELECT pizza\_category, CAST(SUM(quantity) AS DECIMAL(10,2)) Total\_Sold\_Pizza, CAST(SUM(quantity) \* 100.0 / (SELECT SUM(quantity) FROM pizza\_sales WHERE MONTH(order\_date) = 12) AS DECIMAL(10,2)) AS perc\_quantity FROM pizza\_sales**

**WHERE MONTH(order\_date) = 12**

**GROUP BY pizza\_category**

**ORDER BY Total\_Sold\_Pizza DESC;**

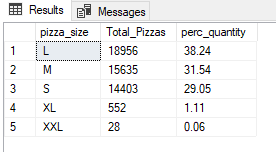


1. **Percentage of Sales by Pizza Size**

**SELECT pizza\_size, SUM(quantity) AS Total\_Pizzas, CAST(SUM(quantity) \* 100.0 / (SELECT SUM(quantity) FROM pizza\_sales) AS DECIMAL(10,2)) AS perc\_quantity FROM pizza\_sales**

**GROUP BY pizza\_size**

**ORDER BY Total\_Pizzas DESC;**

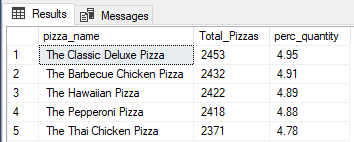


1. **Top 5 Best Sellers by Total Pizzas Sold**

**SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Pizzas, CAST(SUM(quantity) \* 100.0 / (SELECT SUM(quantity) FROM pizza\_sales) AS DECIMAL(10,2)) AS perc\_quantity FROM pizza\_sales**

**GROUP BY pizza\_name**

**ORDER BY Total\_Pizzas DESC;**



1. **Bottom 5 Worst Seller by Total Pizzas Sold**

**SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Pizzas, CAST(SUM(quantity) \* 100.0 / (SELECT SUM(quantity) FROM pizza\_sales) AS DECIMAL(10,2)) AS perc\_quantity FROM pizza\_sales**

**GROUP BY pizza\_name**

**ORDER BY Total\_Pizzas;**

