Project Report showing data visualization using SQL Queries using SQL Server Management Studio (SSMS)

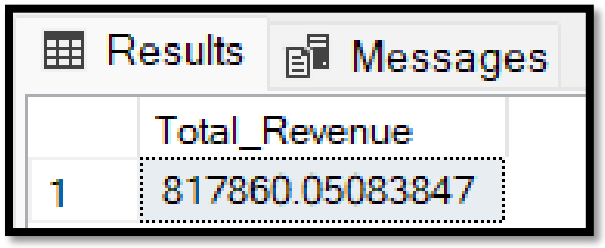
KPIs

TOTAL SALES

QUERY:

```
select sum(total_price) as Total_Revenue from pizza_sales;
```

OUTPUT:

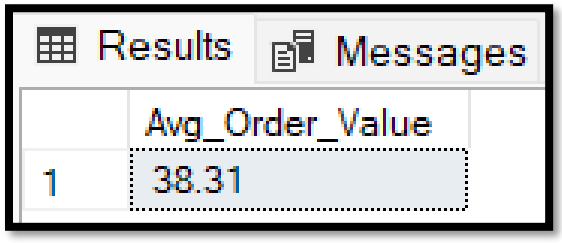


AVERAGE ORDER VALUE

QUERY:

```
select round(sum(total_price)/count(distinct order_id),2) as Avg_Order_Value
from pizza_sales;
```

OUTPUT:



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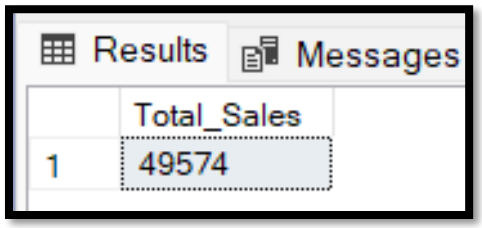
TOTAL SALES

QUERY:

```
select sum(quantity) as Total_Sales from pizza_sales;
```

OUTPUT:

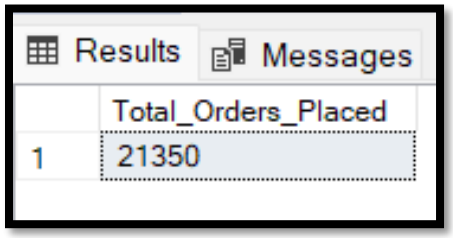


TOTAL ORDERS PLACED

QUERY:

```
select count(distinct order_id) as Total_Orders_Placed from pizza_sales;
```

OUTPUT:



AVERAGE PIZZA PER ORDER

QUERY:

```
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;
```

OUTPUT:

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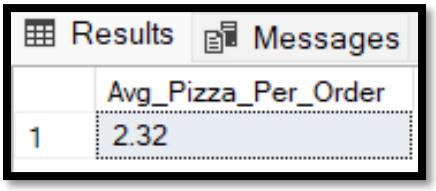


Results | Messages

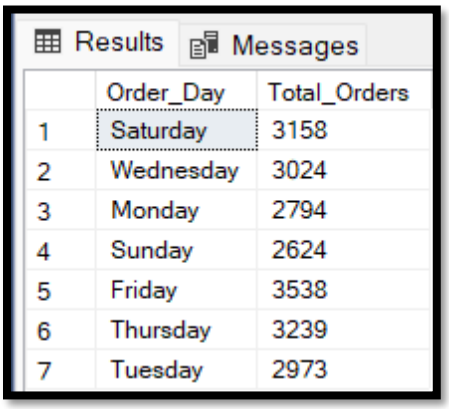
	Avg_Pizza_Per_Order
1	2.32

DAILY TREND FOR TOTAL ORDERS

QUERY:

select DATENAME(dw,order_date) as Order_Day,count(distinct order_id) as Total_Orders from pizza_sales group by DATENAME(dw,order_date);

OUTPUT:



Results | Messages

	Order_Day	Total_Orders
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

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MONTHLY TREND FOR TOTAL ORDERS

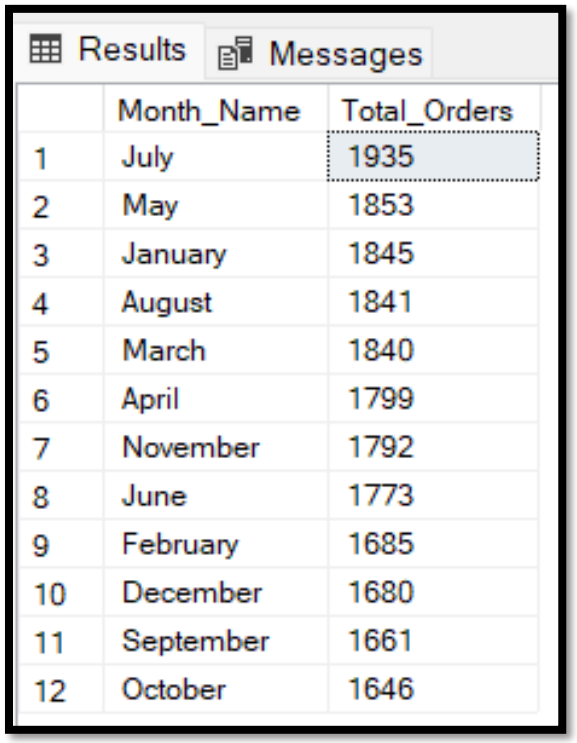
QUERY:

```
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;
```

OUTPUT:



Results | Messages

	Month_Name	Total_Orders
1	July	1935
2	May	1853
3	January	1845
4	August	1841
5	March	1840
6	April	1799
7	November	1792
8	June	1773
9	February	1685
10	December	1680
11	September	1661
12	October	1646

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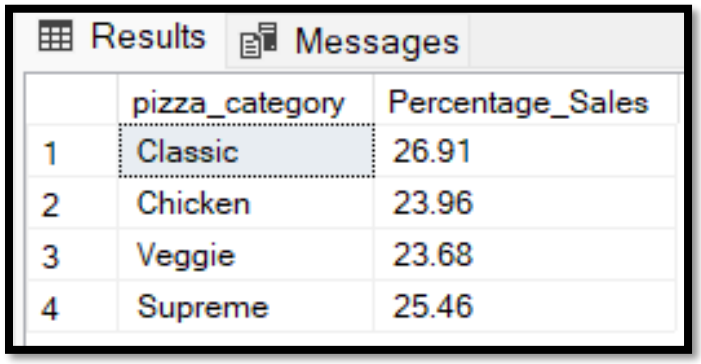
PERCENTAGE OF SALES BY PIZZA CATEGORY

QUERY:

SELECT pizza_category,round(sum(total_price)*100/(select sum(total_price) from pizza_sales),2)

as Percentage_Sales from pizza_sales group by pizza_category;

OUTPUT:



Results | Messages

	pizza_category	Percentage_Sales
1	Classic	26.91
2	Chicken	23.96
3	Veggie	23.68
4	Supreme	25.46

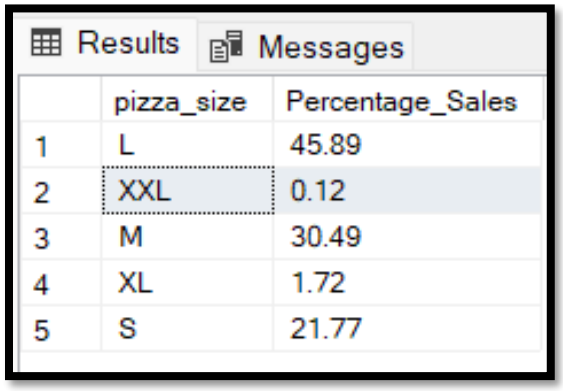
PERCENTAGE OF SALES BY PIZZA SIZE

QUERY:

SELECT pizza_size,round(sum(total_price)*100/(select sum(total_price) from pizza_sales),2)

as Percentage_Sales from pizza_sales group by pizza_size;

OUTPUT:



Results | Messages

	pizza_size	Percentage_Sales
1	L	45.89
2	XXL	0.12
3	M	30.49
4	XL	1.72
5	S	21.77

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Project Report showing data visualization using SQL Queries using SQL Server Management Studio (SSMS)

TOP 5 BEST SELLERS BY REVENUE, TOTAL QUANTITY AND TOTAL ORDERS

Top 5 Pizza by Revenue

QUERY:

```
select Top 5 pizza_name, sum(total_price) as Revenue from pizza_sales
group by pizza_name
order by Revenue desc;
```

OUTPUT:

Results | Messages

	pizza_name	Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

Top 5 Pizza by Total Quantity

QUERY:

```
select Top 5 pizza_name, sum(quantity) as Total_Quantity from pizza_sales
group by pizza_name
order by Total_Quantity desc;
```

OUTPUT:

Results | Messages

	pizza_name	Total_Quantity
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

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Project Report showing data visualization using SQL Queries using SQL Server Management Studio (SSMS)

Top 5 Pizza by Total Orders

QUERY:

```
select Top 5 pizza_name, count(distinct order_id) as Total_Orders from pizza_sales
group by pizza_name
order by Total_Orders desc;
```

OUTPUT:

Results | Messages

	pizza_name	Total_Orders
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken Pizza	2273
5	The Thai Chicken Pizza	2225

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Project Report showing data visualization using SQL Queries using SQL Server Management Studio (SSMS)

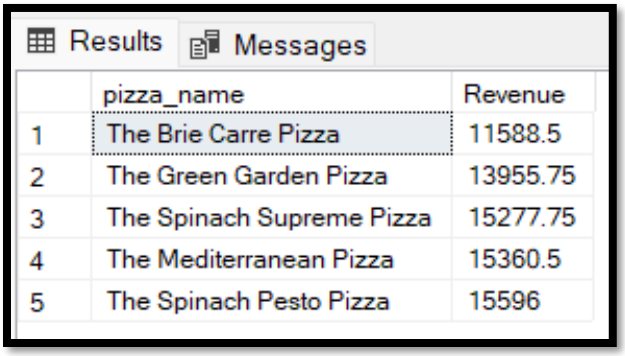
BOTTOM 5 BEST SELLERS BY REVENUE, TOTAL QUANTITY AND TOTAL ORDERS

Bottom 5 Pizza by Revenue

QUERY:

```
select Top 5 pizza_name, sum(total_price) as Revenue from pizza_sales
group by pizza_name
order by Revenue;
```

OUTPUT:



Results | Messages

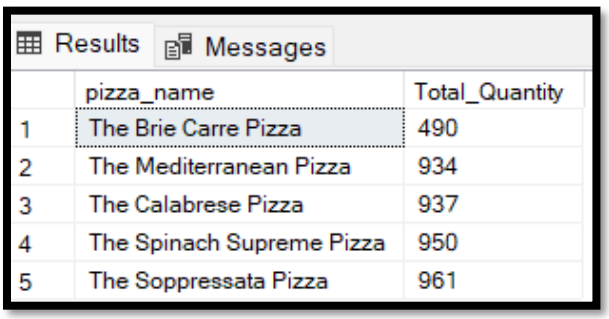
	pizza_name	Revenue
1	The Brie Carre Pizza	11588.5
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.5
5	The Spinach Pesto Pizza	15596

Bottom 5 Pizza by Total Quantity

QUERY:

```
select Top 5 pizza_name, sum(quantity) as Total_Quantity from pizza_sales
group by pizza_name
order by Total_Quantity;
```

OUTPUT:



Results | Messages

	pizza_name	Total_Quantity
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961

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Bottom 5 Pizza by Total Orders

QUERY:

```
select Top 5 pizza_name, count(distinct order_id) as Total_Orders from pizza_sales
group by pizza_name
order by Total_Orders;
```

OUTPUT:

Results | Messages

	pizza_name	Total_Orders
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Spinach Supreme Pizza	918
4	The Calabrese Pizza	918
5	The Chicken Pesto Pizza	938

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