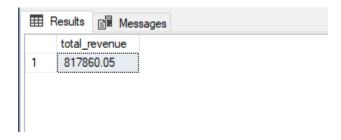# PIZZA SALES SQL QUERIES

A. KPI'S

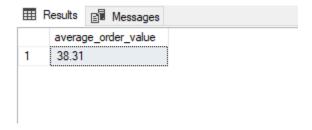### Total Revenue

```sql
SELECT  ROUND (SUM(total_price),2) AS total_revenue
FROM  [pizza DB].dbo.pizza_sales
```

	total_revenue
1	817860.05

Average order value

```sql
SELECT  ROUND (SUM(total_price)/ COUNT(DISTINCT order_id),2) as average_order_value
        FROM  [pizza DB].dbo.pizza_sales
```
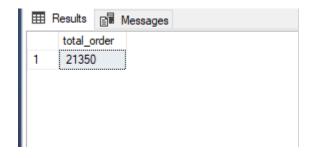
	average_order_value
1	38.31

Total Pizza Sold

```sql
SELECT SUM(quantity) as total_sold
FROM  [pizza DB].dbo.pizza_sales
```

Total order

```sql
SELECT COUNT(DISTINCT order_id) as total_order
FROM  [pizza DB].dbo.pizza_sales
```


Average per order

```sql
SELECT   SUM(quantity)    /  CAST( COUNT (DISTINCT order_id) AS decimal (10,2))AS
Average_Pizzas_Per_Order
FROM  [pizza DB].dbo.pizza_sales
```


B. CHAR REQUIREMENT

Daily Trend for Total Orders

```sql
SELECT  DATENAME(DW,order_date) AS day_name , COUNT(DISTINCT order_id) as total_order
FROM  [pizza DB].dbo.pizza_sales
     GROUP BY DATENAME(DW,order_date)
```

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

Monthly Trend for Orders

```sql
SELECT   DATENAME(MONTH,order_date) AS month , COUNT(DISTINCT order_id) as total_order
FROM  [pizza DB].dbo.pizza_sales
      GROUP BY  DATENAME(MONTH,order_date)
```
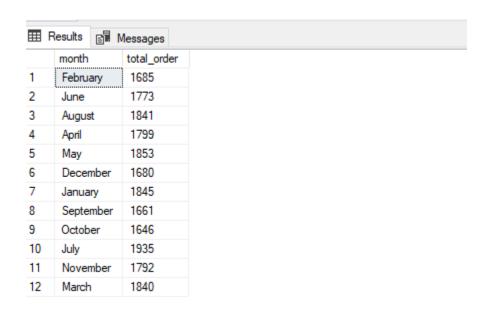
	month	total_order
1	February	1685
2	June	1773
3	August	1841
4	April	1799
5	May	1853
6	December	1680
7	January	1845
8	September	1661
9	October	1646
10	July	1935
11	November	1792
12	March	1840

. % of Sales by Pizza Category

```sql
SELECT   pizza_category, ROUND(SUM(total_price),2)as total_revenue,
CAST(SUM(total_price)*100 /(SELECT  SUM(total_price )
from  [pizza DB].dbo.pizza_sales)AS decimal(10,2)) as p_sale_by_pizza_category
FROM  [pizza DB].dbo.pizza_sales
      GROUP BY   pizza_category
```

	pizza_category	total_revenue	p_sale_by_pizza_category
1	Chicken	195919.5	23.96
2	Supreme	208197	25.46
3	Classic	220053.1	26.91
4	Veggie	193690.45	23.68

. % of Sales by Pizza Size

```
SELECT   pizza_size, ROUND(SUM(total_price),2)as total_revenue, CAST(SUM(total_price)*100
/(SELECT  SUM(total_price )
from  [pizza DB].dbo.pizza_sales)AS decimal(10,2)) as p_sale_by_pizza_category
FROM  [pizza DB].dbo.pizza_sales
      GROUP BY   pizza_size
```

	pizza_size	total_revenue	p_sale_by_pizza_category
1	S	178076.5	21.77
2	L	375318.7	45.89
3	XL	14076	1.72
4	XXL	1006.6	0.12
5	M	249382.25	30.49

Total Pizzas Sold by Pizza Category

```
SELECT   pizza_category,SUM(quantity) as total_quantity_sold
FROM  [pizza DB].dbo.pizza_sales
WHERE MONTH(order_date)=2
GROUP BY   pizza_category
      ORDER BY pizza_category DESC
```

	pizza_category	total_quantity_sold
1	Veggie	944
2	Supreme	964
3	Classic	1178
4	Chicken	875

Top 5 Pizzas by Revenue

```sql
SELECT TOP 5 pizza_name, SUM(total_price)as total_revenue
FROM  [pizza DB].dbo.pizza_sales
GROUP BY   pizza_name
ORDER BY total_revenue DESC
```

	pizza_name	total_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

Bottom 5 Pizzas by Revenue

```sql
SELECT TOP 5 pizza_name, SUM(total_price)as total_revenue
FROM  [pizza DB].dbo.pizza_sales
GROUP BY   pizza_name
      ORDER BY total_revenue asc
```

I. Top 5 Pizzas by Quantity

```sql
SELECT TOP 5 pizza_name, SUM(quantity)as total_sold
FROM  [pizza DB].dbo.pizza_sales
GROUP BY   pizza_name
ORDER BY total_sold desc
```
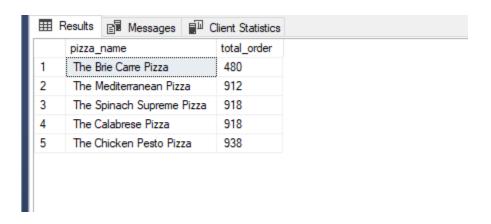

Bottom 5 Pizzas by Quantity

```sql
SELECT TOP 5 pizza_name, SUM(quantity)as total_sold
FROM  [pizza DB].dbo.pizza_sales
GROUP BY   pizza_name
       ORDER BY total_sold asc
```

	pizza_name	total_sold
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

Top 5 Pizzas by Total Orders

```sql
SELECT TOP 5 pizza_name, COUNT(DISTINCT order_id)as total_order
FROM  [pizza DB].dbo.pizza_sales
GROUP BY   pizza_name
ORDER BY total_order desc
```

	pizza_name	total_order
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

Bottom 5 Pizzas by Total Orders

```sql
SELECT TOP 5 pizza_name, COUNT(DISTINCT order_id)as total_order
FROM  [pizza DB].dbo.pizza_sales
GROUP BY   pizza_name
ORDER BY total_order asc
```

	pizza_name	total_order
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

NOTE

If you want to apply the pizza_size or pizza_name filters to the above queries you can use WHERE clause. Follow some of below examples

```sql
SELECT Top 5 pizza_category, COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
WHERE pizza_category = 'Classic'
GROUP BY pizza_category
ORDER BY Total_Orders desc
```