

Pizza Sales Queries

A. KPI'S :-

1. TOTAL REVENUE :-

```
SELECT SUM(total_price) AS Total_Revenue FROM pizza_sales
```

OUTPUT:-

Total_Revenue
817860.05083847

2. AVERAGE ORDER VALUE :-

```
SELECT SUM(total_price)/COUNT(DISTINCT order_id) AS Average_Order_id  
FROM pizza_sales
```

OUTPUT:-

Average_Order_id
38.3072623343546

3. TOTAL PIZZA SOLD :-

```
SELECT SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales
```

OUTPUT:-

Total_Pizza_Sold
49574

4. TOTAL ORDERS :-

```
SELECT COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales
```

OUTPUT:-

Total_Orders
21350

5. 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 Average_Pizzas_Per_Order FROM pizza_sales
```

OUTPUT:-

Average_Pizzas_Per_Order
2.32

B. DAILY TREND FOR TOTAL ORDERS :-

```
1. 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:-

	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

C. MONTHLY TREND FOR TOTAL ORDERS :-

```
1. 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:-

	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

D. PERCENTAGE OF SALES BY PIZZA CATEGORY:-

```
1. SELECT pizza_category, CAST(SUM(total_price) AS DECIMAL(10,2))
as total_revenue, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) from pizza_sales)
AS DECIMAL(10,2)) AS PCT FROM pizza_sales GROUP BY pizza_category
```

OUTPUT:-

	pizza_category	total_revenue	PCT
1	Classic	220053.10	26.91
2	Chicken	195919.50	23.96
3	Veggie	193690.45	23.68
4	Supreme	208197.00	25.46

E. PERCENTAGE OF SALES BY PIZZA SIZE:-

```
1. SELECT pizza_size, CAST(SUM(total_price) AS DECIMAL(10,2))
   as total_revenue, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price)
   from pizza_sales) AS DECIMAL(10,2)) AS PCT FROM pizza_sales
   GROUP BY pizza_size ORDER BY pizza_size
```

OUTPUT:-

	pizza_size	total_revenue	PCT
1	L	375318.70	45.89
2	M	249382.25	30.49
3	S	178076.50	21.77
4	XL	14076.00	1.72
5	XXL	1006.60	0.12

F. TOTAL PIZZAS SOLD BY PIZZA CATEGORY:-

```
1. SELECT pizza_category, SUM(quantity) as Total_Quantity_Sold
   FROM pizza_sales WHERE MONTH(order_date) = 2 GROUP BY pizza_category
   ORDER BY Total_Quantity_Sold DESC
```

OUTPUT:-

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

G. TOP FIVE PIZZAS BY REVENUE :-

```
1. SELECT Top 5 pizza_name, SUM(total_price) AS Total_Revenue
   FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Revenue DESC
```

OUTPUT:-

	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

H. BOTTOM FIVE PIZZAS BY REVENUE:-

```
1. SELECT Top 5 pizza_name, SUM(total_price) AS Total_Revenue
   FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Revenue ASC
```

OUTPUT:-

	pizza_name	Total_Revenue
1	The Brie Carre Pizza	11588.4998130798
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

I. TOP FIVE PIZZAS BY QUANTITY:-

```
1. SELECT Top 5 pizza_name, SUM(quantity) AS Total_Pizza_Sold
   FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Pizza_Sold DESC
```

OUTPUT:-

	pizza_name	Total_Pizza_Sold
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

J. BOTTOM FIVE PIZZAS BY QUANTITY:-

```
1. SELECT TOP 5 pizza_name, SUM(quantity) AS Total_Pizza_Sold
   FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Pizza_Sold ASC
```

OUTPUT:-

	pizza_name	Total_Pizza_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

K. TOP FIVE PIZZAS BY TOTAL ORDERS:-

```
1. 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:-

	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

L. BOTTOM FIVE PIZZAS BY TOTAL ORDERS:-

```
1. 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:-

	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

NOTE:-

If you want to apply the pizza_category or pizza_size filters to the above queries you can use WHERE clause. Eg:-

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

```
SELECT DATENAME(DW, order_date) AS order_day, COUNT (DISTINCT order_id)
AS Total_orders FROM pizza_sales
WHERE MONTH(order_date) = 1 GROUP BY DATENAME(DW, order_date)
```

*here MONTH(order_date) = 1 indicates that the output is for the month of January.
MONTH(order_date) = 4 indicates output for Month Of April.

```
SELECT DATENAME(DW, order_date) AS order_day, COUNT (DISTINCT order_id)
AS Total_orders FROM pizza_sales WHERE DATEPART(QUARTER, order_date) = 1
GROUP BY DATENAME (DW,order_date)
```

*here DATEPART(QUARTER, order_date) = 1 indicates that the output is for the Quarter 1. MONTH(order_date) = 3 indicates output for Quarter 3.