Pizza sale analysis SQL Queries

KPI'S

1. Total Revenue:

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

	total_revenue double precision
1	817860.0499999928

2. Average order value:

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

	average_order_value double precision
1	38.30726229508163

3. Total Pizza Sold:

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

	average_order_value bigint
1	49574

4. Total Order:

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

	total_ordes bigint
1	21350

5. Avg Pizza per Order:

```
SELECT SUM(quantity)/COUNT(DISTINCT(order_id)) AS Avg_Pizza_per_Order
```

FROM pizza_sales

	avg_pizza_per_order bigint
1	2

OR

For decimal values

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

	avg_pizza_per_order numeric (10,2)
1	2.32

Trends

- Daily Trend for Total orders:

```
SELECT TO_CHAR(Order_date,'day') as order_day , COUNT(DISTINCT(order_id)) AS total_orders
    FROM pizza_sales
    GROUP BY TO_CHAR(Order_date,'day')
```

	order_day text	total_orders bigint
1	friday	3538
2	monday	2794
3	saturday	3158
4	sunday	2624
5	thursday	3239
6	tuesday	2973
7	wednesday	3024

- Monthly Trend for Total orders:

```
SELECT TO_CHAR(Order_date,'Month') AS order_day , COUNT(DISTINCT(order_id)) AS
    total_orders
    FROM pizza_sales
    GROUP BY TO_CHAR(Order_date,'Month')
```

	order_day text	total_orders bigint
4	February	1685
5	January	1845
6	July	1935
7	June	1773
8	March	1840
9	May	1853
10	November	1792
11	October	1646
12	September	1661

- Percentage of Sales by category:

```
SELECT pizza_category, SUM(total_price)*100/ (SELECT SUM (total_price) FROM pizza_sales)
FROM pizza_sales
GROUP BY pizza_category
```

	pizza_category character varying (50)	?column? double precision
1	Supreme	25.456311260098843
2	Chicken	23.955137556847497
3	Veggie	23.682590927384787
4	Classic	26.905960255669903

- Percentage of pizza sale by size:

```
SELECT pizza_size,SUM(quantity) AS total, SUM(quantity) *100 / (SELECT SUM(quantity) FROM
pizza_sales) AS size_percentage
,SUM(total_price) *100 / (SELECT SUM(total_price) FROM pizza_sales) AS sales_percentage
FROM pizza_sales
GROUP BY pizza_size
```

	pizza_size character	total bigint	size_percentage bigint	sales_percentage double precision
1	S	14403	29	21.773468455880685
2	XXL	28	0	0.12307729176892908
3	XL	552	1	1.7210768517181054
4	M	15635	31	30.492044451859726
5	L	18956	38	45.89033294877431

- Top 5 Best Sellers:

```
SELECT pizza_name , SUM(total_price) AS Total_Revenue FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue DESC  LIMIT 5;
```

Data Output | Messages | Notifications

	pizza_name character varying (80)	total_revenue double precision
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 Pizza by Revenue:

```
SELECT pizza_name , SUM(total_price) AS Total_Revenue FROM pizza_sales
        GROUP BY pizza_name
        ORDER BY Total_Revenue ASC    LIMIT 5;
```

	pizza_name character varying (80)	total_revenue double precision
1	The Brie Carre Pizza	11588.4999999999
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 Quantity:

```
SELECT pizza_name , SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales
        GROUP BY pizza_name
        ORDER BY Total_Pizza_Sold ASC LIMIT 5;
```

	pizza_name character varying (80)	total_pizza_sold bigint
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 Pizza by Quantity:

```
SELECT pizza_name , SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales
        GROUP BY pizza_name
        ORDER BY Total_Pizza_Sold DESC LIMIT 5;
```

	pizza_name character varying (80)	total_pizza_sold bigint
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

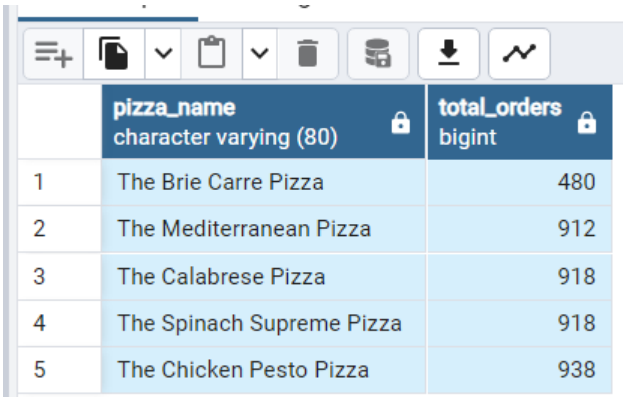
- Top 5 Pizza by Orders:

```
SELECT pizza_name , COUNT(DISTINCT(order_id)) AS Total_Orders
        FROM pizza_sales
        GROUP BY pizza_name
        ORDER BY Total_Orders DESC LIMIT 5;
```

	pizza_name character varying (80)	total_orders bigint
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 Pizza by orders:

```
SELECT pizza_name , COUNT(DISTINCT(order_id)) AS Total_Orders
        FROM pizza_sales
        GROUP BY pizza_name
        ORDER BY Total_Orders ASC LIMIT 5;
```



	pizza_name character varying (80)	total_orders bigint
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Calabrese Pizza	918
4	The Spinach Supreme Pizza	918
5	The Chicken Pesto Pizza	938