

## Pizza Shop Sales Analysis.

### **1: Total Revenue:**

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

	total_revenue	numeric
1	817860.05	

### **2: Avg Order Value:**

```
select sum(total_price) / count(distinct order_id) as Avg_order_value from pizza_sales
```

	avg_order_value	numeric
1	38.3072622950819672	

### **3: Total Quantity Of Pizzas Sold:**

```
select sum(quantity) as total_quantity from pizza_sales
```

	total_quantity	numeric
1	49574.00	

### **4: Total Orders:**

```
select count(distinct order_id) as Total_Orders from pizza_sales
```

	total_orders	bigint
1	21350	

### **5: Avg Pizza Sold 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 Avg_pizza_sold_per_order from pizza_sales
```

	avg_pizza_sold_per_order	numeric (10,2)
1	2.32	

### **6:Total Orders Acc To Days :**

```
SELECT
```

```
    TO_CHAR(order_date, 'Day') AS day_of_week,
```

```
    COUNT(distinct order_id) AS total_orders
```

```
FROM
```

```
pizza_sales
```

```
GROUP BY
```

```

TO_CHAR(order_date, 'Day'),
EXTRACT(DOW FROM order_date)

ORDER BY

EXTRACT(DOW FROM order_date);

```

	day_of_week text	total_orders bigint
1	Sunday	2624
2	Monday	2794
3	Tuesday	2973
4	Wednesday	3024
5	Thursday	3239
6	Friday	3538
7	Saturday	3158

### 7:Total Orders Acc to Month:

```

SELECT
    TO_CHAR(order_date, 'Month') AS month_name,
    COUNT(distinct order_id) AS total_orders
FROM
    pizza_sales
GROUP BY
    TO_CHAR(order_date, 'Month')
order by total_orders desc

```

	month_name text	total_orders bigint
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

### 8(a): %Sales by Category:

```

SELECT
    pizza_category,

```

```

        sum(total_price) as total_revenue,
        ROUND((SUM(total_price) / SUM(SUM(total_price))) OVER () * 100,2)
            AS percent_sales

FROM
    pizza_sales

GROUP BY
    pizza_category

ORDER BY
    percent_sales DESC;

```

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

#### 8(b): %Sales by Category (for 1 Month):

```

SELECT
    pizza_category,
    sum(total_price) as total_revenue,
    ROUND((SUM(total_price) / SUM(SUM(total_price))) OVER () * 100,2)
        AS percent_sales

FROM
    pizza_sales

WHERE
    extract(month from order_date) = 1

GROUP BY
    pizza_category

ORDER BY
    percent_sales DESC;

```

	pizza_category text	total_revenue numeric	percent_sales numeric
1	Classic	18619.40	26.68
2	Supreme	17929.75	25.69
3	Veggie	17055.40	24.44
4	Chicken	16188.75	23.20

### 9(a): %Sales by Pizza\_Size:

SELECT

```

pizza_size,
    sum(total_price) as total_revenue,
    ROUND((SUM(total_price) / SUM(SUM(total_price))) OVER () * 100,2)
        AS percent_sales
    
```

FROM

pizza\_sales

GROUP BY

pizza\_size

ORDER BY

percent\_sales DESC;

	pizza_size text	total_revenue numeric	percent_sales numeric
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

### 9(b): %Sales by Pizza\_Size (For Quarter):

SELECT

```

pizza_size,
    SUM(total_price) AS total_sales,
    ROUND(
        (SUM(total_price) * 100.0 /
        (SELECT SUM(total_price)
    FROM pizza_sales
    
```

```

        WHERE EXTRACT(QUARTER FROM order_date) = 1
        AND EXTRACT(YEAR FROM order_date) = 2015)),
2
) AS percent_sales
FROM
    Pizza_sales
WHERE
    EXTRACT(QUARTER FROM order_date) = 1
    AND EXTRACT(YEAR FROM order_date) = 2015
GROUP BY
    Pizza_size
ORDER BY
    total_sales DESC;

```

	<b>pizza_size</b> text	<b>total_revenue</b> numeric	<b>percent_sales</b> numeric
1	L	95229.65	46.37
2	M	61159.00	29.78
3	S	45384.25	22.10
4	XL	3289.50	1.60
5	XXL	287.60	0.14

#### 10: Top 5 Pizzas by Revenue:

```

select pizza_name, sum(total_price) As Total_Revenue from pizza_sales
Group by pizza_name
order by Total_Revenue DESC
limit 5;

```

	<b>pizza_name</b> text	<b>total_revenue</b> numeric
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768.00
3	The California Chicken Pizza	41409.50
4	The Classic Deluxe Pizza	38180.50
5	The Spicy Italian Pizza	34831.25

#### 11: Bottom 5 Pizzas 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 text	total_revenue numeric
1	The Brie Carre Pizza	11588.50
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.50
5	The Spinach Pesto Pizza	15596.00

### 12: Top 5 Pizzas by Quantity:

```
select pizza_name, sum(quantity) As Total_Quantity from pizza_sales
```

```

Group by pizza_name
order by Total_Quantity DESC
limit 5;

```

	pizza_name text	total_quantity numeric
1	The Classic Deluxe Pizza	2453.00
2	The Barbecue Chicken Pizza	2432.00
3	The Hawaiian Pizza	2422.00
4	The Pepperoni Pizza	2418.00
5	The Thai Chicken Pizza	2371.00

### 13: Bottom 5 Pizzas by Quantity:

```
select pizza_name, sum(quantity) As Total_Quantity from pizza_sales
```

```

Group by pizza_name
order by Total_Quantity ASC
limit 5;

```

	pizza_name text	total_quantity numeric
1	The Brie Carre Pizza	490.00
2	The Mediterranean Pizza	934.00
3	The Calabrese Pizza	937.00
4	The Spinach Supreme Pizza	950.00
5	The Soppressata Pizza	961.00

**14: Top 5 Pizzas 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 text	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

**15: Bottom 5 Pizzas 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 text	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