

# PROBLEM STATEMENT

## Total Revenue

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

Total_Revenue
817860.0508384705

## Average order value

```
SELECT SUM(total_price) / COUNT(DISTINCT order_id) AS AVG_Order_Value from pizza_sales
```

AVG_Order_Value
38.30546816722732

## Total Pizzas Sold

```
SELECT SUM(quantity) AS TOTAL_PIZZA_SOLD FROM pizza_sales;
```

TOTAL_PIZZA_SOLD
49574

## Total Orders

```
SELECT count(DISTINCT order_id) AS Total_Order FROM pizza_sales;
```

Total_Order
21351

## Average Pizzas Per Order

```
SELECT CAST(SUM(quantity) / COUNT(DISTINCT order_id) AS DECIMAL(10,2)) AS  
Average_Pizzas_Per_Order FROM pizza_sales;
```

Average_Pizzas_Per_Order
2.32

## Daily Trends

```
SELECT DAYNAME(STR_TO_DATE(order_date, '%Y-%m-%d')) AS Week_Day, COUNT(DISTINCT order_id)  
AS Total_Orders FROM pizza_sales GROUP BY DAYNAME(STR_TO_DATE(order_date, '%Y-%m-%d'))  
ORDER BY DAYOFWEEK(STR_TO_DATE(order_date, '%Y-%m-%d'));
```

Week_Day	Total_Orders
Sunday	3025
Monday	3096
Tuesday	3087
Wednesday	3078
Thursday	3017
Friday	2990
Saturday	3057

```
SELECT DAYNAME(STR_TO_DATE(order_date, '%Y-%m-%d')) AS Week_Day, COUNT(DISTINCT order_id)
AS Total_Orders FROM pizza_sales GROUP BY DAYNAME(STR_TO_DATE(order_date, '%Y-%m-%d'))
ORDER BY Total_Orders DESC;
```

Week_Day	Total_Orders
Monday	3096
Tuesday	3087
Wednesday	3078
Saturday	3057
Sunday	3025
Thursday	3017
Friday	2990

### Monthly Trends for total orders

```
SELECT MONTHNAME(STR_TO_DATE(order_date, '%Y-%m-%d')) AS Month_Name, COUNT(DISTINCT
order_id) AS Total_Orders FROM pizza_sales GROUP BY MONTHNAME(STR_TO_DATE(order_date,
'%Y-%m-%d')) ORDER BY MONTH(STR_TO_DATE(order_date, '%Y-%m-%d'));
```

Month_Name	Total_Orders
January	1845
February	1685
March	1840
April	1799
May	1853
June	1773
July	1935
August	1841
September	1661
October	1646
November	1792
December	1680

```
SELECT MONTHNAME(STR_TO_DATE(order_date, '%Y-%m-%d')) AS Month_Name, COUNT(DISTINCT
order_id) AS Total_Orders FROM pizza_sales GROUP BY MONTHNAME(STR_TO_DATE(order_date,
'%Y-%m-%d')) ORDER BY Total_Orders DESC;
```

Month_Name	Total_Orders ▾ 1
July	1935
May	1853
January	1845
August	1841
March	1840
April	1799
November	1792
June	1773
February	1685
December	1680
September	1661
October	1646

### PCT of Pizzas Category

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

pizza_category	PCT
Chicken	23.955138
Classic	26.905960
Supreme	25.456311
Veggie	23.682591

But If wanna filter then we should use

```
SELECT pizza_category, SUM(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales
WHERE MONTH(STR_TO_DATE(order_date, '%d-%m-%Y')) = 2) AS PCT FROM pizza_sales WHERE
MONTH(STR_TO_DATE(order_date, '%d-%m-%Y')) = 2 GROUP BY pizza_category;
```

pizza_category	PCT
Chicken	23.739019
Classic	26.605596
Supreme	25.658307
Veggie	23.997078

### PCT of Pizzas Size

```
SELECT pizza_size, 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;
```

pizza_size	PCT
L	45.89
M	30.49
S	21.77
XL	1.72
XXL	0.12

### PCT of Pizzas Size of 1st Quarter

```
SELECT pizza_size, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales
WHERE QUARTER(STR_TO_DATE(order_date, '%d-%m-%Y')) = 1) AS DECIMAL(10, 2)) AS PCT FROM
pizza_sales WHERE QUARTER(STR_TO_DATE(order_date, '%d-%m-%Y')) = 1 GROUP BY pizza_size;
```

pizza_size	PCT
L	46.37
M	29.78
S	22.10
XL	1.60
XXL	0.14

### Top 5 best sellers by Revenue, Total Quantity, Total Orders

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

pizza_name	Revenue ▼ 1
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768.00
The California Chicken Pizza	41409.50
The Classic Deluxe Pizza	38180.50
The Spicy Italian Pizza	34831.25

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

pizza_name	Total_Quantity ▼ 1
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

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

pizza_name	Total_Order ▾ 1
The Classic Deluxe Pizza	2329
The Hawaiian Pizza	2280
The Pepperoni Pizza	2278
The Barbecue Chicken Pizza	2273
The Thai Chicken Pizza	2225

### Bottom 5 best sellers by Revenue, Total Quantity, Total Orders

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

pizza_name	Revenue ▲ 1
The Brie Carre Pizza	11588.50
The Green Garden Pizza	13955.75
The Spinach Supreme Pizza	15277.75
The Mediterranean Pizza	15360.50
The Spinach Pesto Pizza	15596.00

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

pizza_name	Total_Quantity ▲ 1
The Brie Carre Pizza	490
The Mediterranean Pizza	934
The Calabrese Pizza	937
The Spinach Supreme Pizza	950
The Soppressata Pizza	961

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

pizza_name	Total_Order ▲ 1
The Brie Carre Pizza	480
The Mediterranean Pizza	912
The Spinach Supreme Pizza	918
The Calabrese Pizza	918
The Chicken Pesto Pizza	938