# CHART REQUIREMENTS

**1. Daily Trend for Total Orders**

```sql
SELECT DATENAME(DW, order_date) AS Order_Day,
COUNT(DISTINCT order_id) AS  Total_Orders FROM pizza_sales
GROUP BY DATENAME(DW, order_date)
```

Results | Messages

| | 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 |

**2. Monthly Trend for Total Orders**

```sql
SELECT DATENAME(MONTH, order_date) AS Month_Name,
COUNT(DISTINCT order_id) AS  Total_Orders FROM pizza_sales
GROUP BY DATENAME(MONTH, order_date)
```

Results | Messages

| | Month_Name | Total_Orders |
|---|---|---|
| 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 |

If we want the data from highest to lowest, i.e. **DESC order**......

```sql
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
```
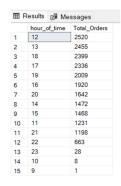
| | Month_Name | Total_Orders |
|---|---|---|
| 1 | July | 1935 |
| 2 | May | 1853 |
| 3 | January | 1845 |
| 4 | August | 1841 |
| 5 | March | 1840 |
| 6 | April | 1799 |
| 7 | November | 1792 |
| 8 | June | 1773 |
| 9 | February | 1685 |
| 10 | December | 1680 |
| 11 | September | 1661 |
| 12 | October | 1646 |

## 3. Hourly Trend for Total Orders

```sql
SELECT DATENAME(HOUR, order_time) AS hour_of_time,
COUNT(DISTINCT order_id) AS  Total_Orders FROM pizza_sales
GROUP BY DATENAME(HOUR, order_time)
ORDER BY Total_Orders DESC
```

| | hour_of_time | Total_Orders |
|---|---|---|
| 1 | 12 | 2520 |
| 2 | 13 | 2455 |
| 3 | 18 | 2399 |
| 4 | 17 | 2336 |
| 5 | 19 | 2009 |
| 6 | 16 | 1920 |
| 7 | 20 | 1642 |
| 8 | 14 | 1472 |
| 9 | 15 | 1468 |
| 10 | 11 | 1231 |
| 11 | 21 | 1198 |
| 12 | 22 | 663 |
| 13 | 23 | 28 |
| 14 | 10 | 8 |
| 15 | 9 | 1 |

## 4. Percentage of Sales by Pizza Category

```sql
SELECT pizza_category, SUM(total_price) AS Total_Sales,
SUM(total_price)*100 / (SELECT SUM(total_price) FROM pizza_sales WHERE
MONTH(order_date) = 1) AS PCT
FROM pizza_sales
WHERE MONTH(order_date) = 1
GROUP BY pizza_category
ORDER BY pizza_category DESC
```

| | pizza_category | Total_Sales | PCT |
|---|---|---|---|
| 1 | Veggie | 17055.4000778198 | 24.4370162489706 |
| 2 | Supreme | 17929.7499866486 | 25.6897867985821 |
| 3 | Classic | 18619.4000015259 | 26.6779189176038 |
| 4 | Chicken | 16188.75 | 23.1952780348435 |

**5. Percentage of Sales by Pizza Size**

```sql
SELECT pizza_size, CAST(SUM(total_price) AS DECIMAL(10,2)) AS Total_Sales,
CAST(SUM(total_price)*100 / (SELECT SUM(total_price)
FROM pizza_sales WHERE DATEPART(QUARTER,order_date) =1) AS DECIMAL(10,2)) AS
PCT
FROM pizza_sales
WHERE DATEPART(QUARTER,order_date) = 1
GROUP BY pizza_size
ORDER BY PCT DESC
```

| | pizza_size | Total_Sales | PCT |
|---|---|---|---|
| 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 |

**6. Total Pizza Sold by Pizza Category**

```sql
SELECT pizza_category, SUM(quantity) AS total_pizza_sold
FROM pizza_sales
GROUP BY pizza_category
```

| | pizza_category | total_pizza_sold |
|---|---|---|
| 1 | Chicken | 11050 |
| 2 | Supreme | 11987 |
| 3 | Classic | 14888 |
| 4 | Veggie | 11649 |

**7. Top 5 Best sellers by Revenue, Total Quantity and Total Order**

```sql
SELECT TOP 5 pizza_name, SUM(total_price) AS TOtal_Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY TOtal_Revenue DESC
```

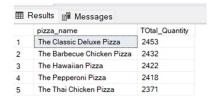| | pizza_name | TOtal_Revenue |
|---|---|---|
| 1 | The Thai Chicken Pizza | 43434.25 |
| 2 | The Barbecue Chicken Pizza | 42768 |
| 3 | The California Chicken Pizza | 41409.5 |
| 4 | The Classic Deluxe Pizza | 38180.5 |
| 5 | The Spicy Italian Pizza | 34831.25 |

### 8. Bottom 5 Sellers by Revenue

```sql
SELECT TOP 5 pizza_name, SUM(total_price) AS TOtal_Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY TOtal_Revenue ASC
```

⊞ Results  📄 Messages

|   | 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 |

### 9. Top 5 Best Sellars by Quantity

```sql
SELECT TOP 5 pizza_name, SUM(quantity) AS TOtal_Quantity
FROM pizza_sales
GROUP BY pizza_name
ORDER BY TOtal_Quantity DESC
```

⊞ Results  📄 Messages

|   | pizza_name | TOtal_Quantity |
|---|---|---|
| 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 |

### 10. Bottom 5 Sellars by Quantity

```sql
SELECT TOP 5 pizza_name, SUM(quantity) AS TOtal_Quantity
FROM pizza_sales
GROUP BY pizza_name
ORDER BY TOtal_Quantity ASC
```

⊞ Results  📄 Messages

|   | pizza_name | TOtal_Quantity |
|---|---|---|
| 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 |

## 11. Top 5 Best Sellars by Total Orders

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

Results | Messages

|   | 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 |

## 12. Bottom 5 Sellars by Total Orders

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

Results | Messages

|   | 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 |