# Pizza Sales Analysis

## 1.Total Revenue:

```sql
select round(sum(total_price),2) "Total Revenue" from pizza_sales
```
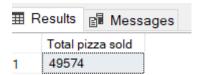
| | Total Revenue |
|---|---|
| 1 | 817860.05 |

## 2.  Average Order value:

```sql
select sum(total_price)*100/count(distinct order_id) as 'Average Order'  from pizza_sales
```

| | Average Order |
|---|---|
| 1 | 3830.72623343546 |

## 3.Total Pizzas Sold:

```sql
select sum(quantity) as 'Total pizza sold' from pizza_sales
```

| | Total pizza sold |
|---|---|
| 1 | 49574 |

## 4. Total orders:

```sql
select sum(distinct order_id)as 'Total order' from pizza_sales
```

| | Total order |
|---|---|
| 1 | 21350 |

## 5.Average Pizzas per Order :

```sql
select sum(quantity)*100/count(distinct order_id) as 'Average pizza per order' from pizza_sales
```

| | Average pizza per order |
|---|---|
| 1 | 2.32 |

## 6.Daily Trend for Total Orders:

```sql
select DATENAME(DW,order_date)as 'order_day',count(distinct order_id) as 'Total order'
from pizza_sales
group by DATENAME(Dw,order_date)
```

| | order_day | Total order |
|---|---|---|
| 1 | Saturday | 3158 |
| 2 | Wednesday | 3024 |
| 3 | Monday | 2794 |
| 4 | Sunday | 2624 |
| 5 | Friday | 3538 |
| 6 | Thursday | 3239 |
| 7 | Tuesday | 2973 |

## 7.Monthly Trend for Total Orders

```sql
select DATENAME(MONTH,order_date)as 'month_name',count(distinct order_id) as 'Total
order' from pizza_sales
group by DATENAME(MONTH,order_date)
order by [Total order] desc
```

| | month_name | Total order |
|---|---|---|
| 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.Percentages of sales by Pizza Category

```sql
select pizza_category, sum(total_price) *100 /(select sum(total_price) from
pizza_sales
where month(order_date)=1) as 'percentage of total sales'
from pizza_sales
where month(order_date)=1
group by pizza_category
```

----***********for 1st month i.e january**************

| | pizza_category | percentage of total sales |
|---|---|---|
| 1 | Classic | 26.6779189176038 |
| 2 | Chicken | 23.1952780348435 |
| 3 | Veggie | 24.4370162489706 |
| 4 | Supreme | 25.6897867985821 |

## 9.Percentage of sales by Pizza Size

```sql
select pizza_size,sum(total_price)*100/(select sum(total_price) from pizza_sales
where month(order_date)=1) as 'percentage of total sales by pizza size'
from pizza_sales
where month(order_date)=1
group by pizza_size
```

----***********for 1st month i.e january**************

| | pizza_size | percentage of total sales by pizza size |
|---|---|---|
| 1 | L | 46.4219345512879 |
| 2 | XXL | 0.103018486671203 |
| 3 | M | 30.0078947122382 |
| 4 | XL | 1.82682291680491 |
| 5 | S | 21.6403293329978 |

## 11.Top 5 Sellers by Revenue ,Total Quantity and Total orders

```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 |

```
select  top 5 pizza_name,sum(Quantity)as 'Total_qautity' from pizza_sales
group by pizza_name
order by Total_qautity desc
```

| | pizza_name | Total_qautity |
|---|---|---|
| 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 |

```
select  top 5 pizza_name,count(distinct order_id)as 'Total_order' from pizza_sales
group by pizza_name
order by total_order desc
```

| | pizza_name | Total_order |
|---|---|---|
| 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 best Sellers by Revenue ,Quantity and Total orders

```
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 |

```sql
select  top 5 pizza_name,sum(Quantity)as 'Total_qautity' from pizza_sales
group by pizza_name
order by Total_qautity asc
```

## Results | Messages

| | pizza_name | Total_qautity |
|---|---|---|
| 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 |

```sql
select  top 5 pizza_name,count(distinct order_id)as 'Total_order' from pizza_sales
group by pizza_name
order by total_order asc
```

## Results | Messages

| | pizza_name | Total_order |
|---|---|---|
| 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 |