**PIZZA SALES SQL QUIRES**

**A.KPI’s**

**1.Total Revenue:**

|  |
| --- |
| Total Revenue |
| 817860.049999993 |

**SELECT SUM(total\_price) AS Total\_Revenue from pizzasales;**

**2.Average Order Value:**

|  |
| --- |
| Average\_Order\_Value |
| 38.307262295081635 |

**SELECT SUM (total\_price)/ COUNT(DISTINCT order\_id) as Average\_Order\_Value FROM pizzasales;**

**3.** **Total Pizza Sold:**

|  |
| --- |
| Total\_Pizza\_Sold |
| 49574 |

**select sum(quantity) as Total\_Pizza\_Sold from pizzasales;**

**4. Total Pizza Order:**

**select count(distinct order\_id) as Total\_Order from pizzasales;**

|  |
| --- |
| Total\_Order |
| 21350 |

**5. Average Pizza Per Order:**

**select sum(quantity)/count(distinct order\_id)as Average\_Pizza\_Per\_Order from pizzasales;**

|  |
| --- |
| Average\_Pizza\_Per\_Order |
| 2.3220 |

**PROBLEM STATEMENT**

**CHARTS REQUIREMENT  
We would like to visualize various aspects of our pizza sales data to gain insights and understand key trends. We have identified the following requirements for creating charts:**

**B.Daily Trend for Total Orders:**

**SELECT dayname(order\_date) AS Trands\_Days\_Name,**

**COUNT(DISTINCT order\_id) AS Total\_Orders**

**FROM pizzasales**

**GROUP BY dayname(order\_date);**

|  |  |
| --- | --- |
| Days\_Name | Total\_Orders |
| |  | | --- | | Friday | | |  | | --- | | 3359 | |
| |  |  | | --- | --- | |  |  |   Monday | 2940 |
| |  |  | | --- | --- | | Saturday |  | | 3126 |
| |  | | --- | | Sunday | | |  | | --- | | 2710 | |
| |  |  | | --- | --- | | Thursday |  | | 3173 |
| |  |  | | --- | --- | | Tuesday |  | | 2978 |
| |  |  |  | | --- | --- | --- | | |  | | --- | | Wednesday | |  | | 3064 |

**C. Monthly Trend for Total Orders:**

**SELECT monthname(order\_date) AS Month\_Name,**

**COUNT(DISTINCT order\_id) AS Total\_Orders**

**FROM pizzasales**

**GROUP BY monthname(order\_date) order by Total\_Orders desc;**

|  |  |
| --- | --- |
| Month\_Name | Total\_Orders |
| January | **1929** |
| March | **1864** |
| July | **1860** |
| November | **1844** |
| August | **1835** |
| April | **1829** |
| October | **1782** |
| June | **1771** |
| May | **1765** |
| February | **1648** |
| September | **1638** |
| December | **1585** |

**D. Percentage of Sales by Pizza Category:**

**select pizza\_category,round(sum(total\_price),2) as Total\_Sales,**

**round(sum(total\_price)\*100/ (select sum(total\_price) from pizzasales),2) as**

**Percentage\_Of\_Total\_Sales**

**from pizzasales**

**group by pizza\_category;**

|  |  |  |
| --- | --- | --- |
| pizza\_category | Total\_Sales | Percentage\_Of\_Total\_Sales |
| Classic | **220053.10** | **26.91** |
| Veggie | **193690.45** | **23.68** |
| Supreme | **208197.00** | **29.46** |
| Chicken | **195919.50** | **23.96** |

**Note:🡺 If I want to calculate the percentage of sales for a specific month by pizza category.**

**select pizza\_category,round(sum(total\_price),2) as Total\_Sales,**

**round(sum(total\_price)\*100/**

**(select sum(total\_price) from pizzasales),2) as Percentage\_Of\_Total\_Sales**

**from pizzasales where month(order\_date)=1**

**group by pizza\_category;**

**Here MONTH(order\_date) = 1 indicates that the output is for the month of January. MONTH(order\_date) = 4 indicates output for the month of April.**

**E.** **Percentage of Sales by Pizza Size:**

**select pizza\_size,round(sum(total\_price),2) as Total\_Sales,**

**round(sum(total\_price)\*100/**

**(select sum(total\_price) from pizzasales),2) as Percentage\_Of\_PizzaSize**

**from pizzasales**

**group by pizza\_size**

**order by Percentage\_Of\_PizzaSize desc;**

|  |  |  |
| --- | --- | --- |
| pizza\_size | Total\_Sales | Percentage\_Of\_PizzaSize |
| L | **375318.7** | **45.89** |
| M | **249382.25** | **30.49** |
| S | **178076.5** | **21.77** |
| XL | **14076** | **1.72** |
| XXL | **1006.6** | **0.12** |

**F.** **Total Pizzas Sold by Pizza Category:**

**select pizza\_category, sum(quantity) as Total\_Pizza\_Sold**

**from pizzasales**

**group by pizza\_category**

**order by Total\_Pizza\_Sold desc;**

|  |  |
| --- | --- |
| pizza\_category | Total\_Pizza\_Sold |
| Classic | **14888** |
| Supreme | **11987** |
| Veggie | **11649** |
| Chicken | **11050** |

**G. Top 5 Pizza By Revenue**

**Select pizza\_name,sum(total\_price) as Total\_Revenue from pizzasales**

**group by pizza\_name**

**order by Total\_Revenue desc limit 5;**

|  |  |
| --- | --- |
| pizza\_name | Total\_Revenue |
| The Thai Chicken Pizza | **43434.25** |
| The Barbecue Chicken Pizza | **42768** |
| The California Chicken Pizza | **41409.5** |
| The Classic Deluxe Pizza | **38180.5** |
| The Spicy Italian Pizza | **34831.25** |

**H. Bottom 5 pizza by Revenue**

**select pizza\_name,sum(total\_price) as Total\_Revanue**

**from pizzasales**

**group by pizza\_name**

**order by Total\_Revanue asc limit 5;**

|  |  |
| --- | --- |
| pizza\_name | Total\_Revenue |
| The Brie Carre Pizza | **11588.499999999998** |
| The Green Garden Pizza | **13955.75** |
| The Spinach Supreme Pizza | **15277.75** |
| The Mediterranean Pizza | **15360.5** |
| The Spinach Pesto Pizza | **15596** |

**I. Top 5 Pizza By Quantity**

**select pizza\_name,sum(quantity) as Total\_qnty from pizzasales**

**group by pizza\_name**

**order by Total\_qnty desc limit 5;**

|  |  |
| --- | --- |
| pizza\_name | Total\_qnty |
| The Classic Deluxe Pizza | **2453** |
| The Barbecue Chicken Pizza | **2432** |
| The Hawaiian Pizza | **2422** |
| The Pepperoni Pizza | **2418** |
| The Thai Chicken Pizza | **2371** |

**J. Top 5 Pizza Order By Quantity**

**select pizza\_name,count(distinct order\_id) as Total\_Orders FROM**

**pizzasales group by pizza\_name order by Total\_Orders desc limit 5;**

|  |  |
| --- | --- |
| pizza\_name | Total\_Orders |
| The Classic Deluxe Pizza | **2329** |
| The Hawaiian Pizza | **2280** |
| The Pepperoni Pizza | **2278** |
| The Barbecue Chicken Pizza | **2273** |
| The Thai Chicken Pizza | **2225** |