**PIZZA SALES- SQL QUERIES**

**KPI REQUIREMENT**

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| **-KPI-**  **TOTAL REVENUE** | The sum of all the total price of all pizza orders |
| SQL Query | SELECT  ROUND(SUM(total\_price)) AS Total\_Revenue  FROM sales; |
| Output |  |

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| **-KPI-**  **Average** **Order** **Value** | The average amount spent per order, calculated by dividing the total revenue by the total number of orders. |
| SQL Query | SELECT  SUM(total\_price) / COUNT(DISTINCT(order\_id)) AS Avg\_order\_value  FROM sales; |
| Output |  |

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| **-KPI-**  **Total Pizzas Sold** | The sum of the quantities of all pizzas sold |
| SQL Query | SELECT  SUM(quantity) AS Total\_Pizzas\_sold  FROM sales; |
| Output |  |

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| **-KPI-**  **Total Orders** | The total numbers of orders placed |
| SQL Query | SELECT  COUNT(DISTINCT(order\_id)) AS Total\_orders\_placed  FROM sales; |
| Output |  |

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| **-KPI-**  **Average Pizzas Per Order** | The averge number of pizzas sold per order, calculated by dividing the total number of pizzas sold by the total number of orders. |
| SQL Query | SELECT  ROUND(SUM(quantity) / COUNT(DISTINCT(order\_id)),2) AS Average\_Pizzas\_Per\_Order  FROM sales; |
| Output |  |

**CHART REQUIREMENT**

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| **-Chart-**  **Daily Trend for Total orders** | Create a bar chart that displays the daily trend of total orders over specific time period. This chart will help us to identify any patterns or fluctuations in order volumes on daily basis. |
| SQL Query | SELECT  DAYNAME(order\_date) AS order\_day,  COUNT(DISTINCT(order\_id)) AS Total\_orders  FROM sales  GROUP BY order\_day; |
| Output |  |

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| **-Chart-**  **Monthly Trend for Total orders** | Create a line chart that illustrate the hourly trend of total orders throughout the day. This chart will allow us to identify peak hours or periods of high orders activity. |
| SQL Query | SELECT  MONTHNAME(order\_date) AS Month\_name, COUNT(DISTINCT(order\_id)) as Total\_monthly\_orders  FROM sales  GROUP BY Month\_name; |
| Output |  |

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| **-Chart-**  **Percentage of sales by pizza category** | Create a pie chart that shows the distribution of sales across different pizza categories. This chart will provide insights into the popularity of various pizza categories and their contribution to overall sales. |
| SQL Query | SELECT  pizza\_category, SUM(total\_price) \* 100/ (SELECT SUM(total\_price) FROM sales) as Percentage\_sales\_Pizza  FROM sales  GROUP BY pizza\_category; |
| Output |  |

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| **-Chart-**  **Top 5 bestsellers by revenue** | Create a bar chart highlighting the top 5 best selling pizza based on the revenue, total quantity , total orders. This chart will help us identify the most popular pizza options. |
| SQL Query | SELECT pizza\_name, SUM(total\_price) AS Total\_revenue  FROM sales  GROUP BY pizza\_name  ORDER BY Total\_revenue DESC LIMIT 5; |
| Output |  |

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| **-Chart-**  **Top 5 worstsellers by revenue,** | Create a bar chart highlighting the top 5 worst selling pizza based on the revenue, total quantity , total orders. |
| SQL Query | SELECT pizza\_name, SUM(total\_price) AS Total\_revenue  FROM sales  GROUP BY pizza\_name  ORDER BY Total\_revenue ASC LIMIT 5; |
| Output |  |

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| **-Chart-**  **Top 5 bestsellers by quantity** | Create a bar chart highlighting the top 5 best selling pizza based on the revenue, total quantity , total orders. This chart will help us identify the most popular pizza options. |
| SQL Query | SELECT pizza\_name, SUM(quantity) AS Total\_quantity  FROM sales  GROUP BY pizza\_name  ORDER BY Total\_quantity DESC LIMIT 5; |
| Output |  |

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| **-Chart-**  **Top 5 Worst sellers by quantity** |  |
| SQL Query | SELECT pizza\_name, SUM(quantity) AS Total\_quantity  FROM sales  GROUP BY pizza\_name  ORDER BY Total\_quantity ASC LIMIT 5; |
| Output |  |

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| **-Chart-**  **Top 5 bestsellers by orders** | Create a bar chart highlighting the top 5 best selling pizza based on the revenue, total quantity , total orders. This chart will help us identify the most popular pizza options. |
| SQL Query | SELECT pizza\_name, COUNT(DISTINCT(order\_id)) AS Total\_orders  FROM sales  GROUP BY pizza\_name  ORDER BY Total\_orders DESC LIMIT 5; |
| Output |  |

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| **-Chart-**  **Top 5 Worst sellers by orders** |  |
| SQL Query | SELECT pizza\_name, COUNT(DISTINCT(order\_id)) AS Total\_orders  FROM sales  GROUP BY pizza\_name  ORDER BY Total\_orders ASC LIMIT 5; |
| Output |  |