**PROBLEM STATEMENT**

**KPI’s REQUIREMENT**

**We need to analyze key indicators for our pizza sales data to gain insights into our business performance. Specifically, we want to calculate the following metrics:**

1. **Total Revenue: The sum of the total price of all pizza orders.**
2. **Average Order Value: The average amount spent per order, calculated by dividing the total revenue by the total number of orders.**
3. **Total Pizzas Sold: The sum of the quantities of all pizzas sold.**
4. **Total Orders: The total number of orders placed.**
5. **Average Pizzas Per Order: The average number of pizzas sold per order, calculated by dividing the total number of pizzas sold by the total number of orders.**

**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:**

1. **Hourly Trend for Total Pizzas Sold:**

**Create a stacked bar chart that displays the hourly trend of total orders over a specific time period. This chart will help us identify any patterns or fluctuations in order volumes on a hourly basis.**

1. **Weekly Trend for Total Orders:**

**Create a line chart that illustrates the weekly trend of total orders throughout the year. This chart will allow us to identify peak weeks or periods of high order activity.**

1. **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.**

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

**Generate a pie chart that represents the percentage of sales attributed to different pizza sizes. This chart will help us understand customer preferences for pizza sizes and their impact on sales.**

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

**Create a funnel chart that presents the total number of pizzas sold for each pizza category. This chart will allow us to compare the sales performance of different pizza categories.**

1. **Top 5 Best Sellers by Revenue, Total Quantity and Total Orders**

**Create a bar chart highlighting the top 5 best-selling pizzas based on the Revenue, Total Quantity, Total Orders. This chart will help us identify the most popular pizza options.**

1. **Bottom 5 Best Sellers by Revenue, Total Quantity and Total Orders**

**Create a bar chart showcasing the bottom 5 worst-selling pizzas based on the Revenue, Total Quantity, Total Orders. This chart will enable us to identify underperforming or less popular pizza options.**