**🍕 Pizza Sales Dashboard - Power BI & MySQL**

This project is a comprehensive sales analysis dashboard for a pizza business, built using **MySQL** for database management and **Power BI** for visualization. The dashboard provides key insights into sales trends, order patterns, and top-performing products.

**📌 Project Overview**

1. **Database Creation in MySQL**
   * Created a relational database in **MySQL** and imported a CSV dataset.
   * Encountered a challenge where the **date format** in the CSV did not match MySQL's expected format.
   * Resolved the issue by formatting the date correctly and successfully imported the data.
2. **Data Exploration with SQL**
   * Wrote multiple **SQL queries** to analyze key metrics, such as:
     + Total Revenue
     + Total Pizzas Sold
     + Total Orders
     + Average Order Value
     + Sales Trends by Category, Size, and Time Period
   * Extracted meaningful insights and exported the processed data.
3. **Power BI Dashboard Creation**
   * Connected **MySQL Server** to **Power BI**.
   * Designed an interactive **two-page dashboard** with:
     + **Page 1:** High-level sales overview with revenue, orders, and trends.
     + **Page 2:** Best & worst-selling pizzas based on revenue, quantity, and orders.

**📊 Key Insights from the Dashboard**

* **Total Revenue:** **$817.86K**
* **Total Orders:** **21,350**
* **Total Pizzas Sold:** **49,574**
* **Average Order Value:** **$38.31**
* **Best-selling Pizza:** **Brie Carre Pizza**
* **Least-selling Pizza:** **Brie Carre Pizza** (by revenue), **Spinach Supreme Pizza** (by quantity)

**🔥 Sales Trends**

* **Peak Sales Days:** **Fridays & Saturdays (evenings)**
* **Best Sales Months:** **July & January**
* **Top Category:** **Classic Pizzas (26.91% of total sales)**
* **Best-Selling Size:** **Large (45.89% of sales)**

**🚀 Technologies Used**

* **MySQL** – For database creation & query execution
* **SQL Queries** – For data extraction & analysis
* **Power BI** – For data visualization & dashboard development

**🔗 Future Improvements**

* Automate data updates for real-time insights.
* Integrate customer feedback data for better analysis.
* Optimize SQL queries for faster performance.