REDUCING FOOD WASTE
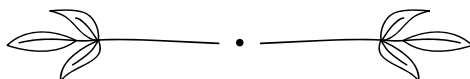
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Phase 1: Dataset

- **Dataset Link**
  https://www.kaggle.com/datasets/joebeachcapital/food-waste

- **Dataset Description**

  The dataset, sourced from Kaggle, contains information related to food waste patterns, including quantities, types of food wasted, sources, and possible contributing factors. The data provides valuable insights into food wastage trends across various sectors, including households, restaurants, and supply chains. It includes metrics such as waste weight, food type, location, and potential causes, making it a useful resource for identifying opportunities to reduce waste and promote sustainability.

- **Problem Statement**

  Food waste is a significant global issue, contributing to environmental, economic, and social challenges. According to global reports, nearly one-third of all food produced is wasted annually, resulting in greenhouse gas emissions, inefficient resource use, and food insecurity. This project aims to analyze the provided dataset to identify patterns and key factors contributing to food waste. By applying data science techniques, we will uncover insights that can help stakeholders implement strategies to reduce waste and optimize food usage.

- **Expected Outcomes**
  - Identification of the primary sources and types of food waste.
  - Insights into seasonal and geographic patterns of food waste.
  - Development of predictive models to forecast future food waste trends.
  - Actionable recommendations for policymakers, businesses, and consumers to minimize food waste.