

## Data Collection and Preprocessing Phase

|               |   |
|---------------|---|
| Date          | 30 July 2025  |
| Team ID       | xxxxxx  |
| Project Title | Global Food Production Trends and Analysis using Power BI |
| Maximum Marks | 2 Marks   |

### Data Collection Plan & Raw Data Sources Identification

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

### Data Collection Plan Template

| Section                     | Description   |
|-----------------------------|---|
| Project Overview            | This project aims to analyze global food production trends over six decades using Power BI. The objective is to visualize country-wise and crop-wise production changes to support agricultural policy planning, food security, and resource allocation.  |
| Data Collection Plan        | The primary dataset has been sourced from <a href="https://www.kaggle.com/datasets/rafsunahmad/world-food-producti">https://www.kaggle.com/datasets/rafsunahmad/world-food-producti</a> on through publicly accessible datasets related to food crop production volumes by country and year. Data was obtained in CSV format and cleaned using Power BI Power Query Editor. |
| Raw Data Sources Identified | Refer to the table below for detailed information on each dataset used in the project..   |

## Raw Data Sources Template

| Source Name                                | Description   | Location/URL  | Format | Size   | Access Permissions     |
|--|---|---|--------|--------|------------------------|
| Global Food Production Dataset (1961–2021) | Contains annual food production (in tonnes) of 22 major crops across 226 countries. Includes cereals, fruits, oilseeds, legumes, and meats. | <a href="https://www.kaggle.com/datasets/rasunahmad/world-food-production">https://www.kaggle.com/datasets/rasunahmad/world-food-production</a> | CSV    | 856 KB | Public                 |
| Power BI Processed File                    | Cleaned and transformed version of the raw data, ready for dashboard visualization in Power BI.   | Link of Dataset 2   | PBIX   | YY GB  | Private (Local access) |