**Data Collection and Preprocessing Phase**

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| Date | 30 July 2025 |
| ID | SWUID20250188226 |
| Project Title | Global Food Production Analysis(1961-2023) |
| Maximum Marks | 2 Marks |

### Project Overview

This project aims to analyze global food production data from 1961 to 2023. It uses interactive Power BI dashboards to visualize trends in crop-wise output, regional contributions, and long-term patterns to support decision-making in agriculture and food security.

### Data Collection Plan

The primary dataset is collected from a public global agricultural database available via Kaggle and FAO (Food and Agriculture Organization) repositories. It contains food production records for various crops across countries and years, formatted in CSV.

### Raw Data Sources Identified

One dataset was identified and selected for this analysis. It includes over 60 years of crop production values, organized by crop type, country, and year. It supports large-scale trend analysis, regional comparison, and visualization.

**Raw Data Sources Table**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Source Name** | |  | | --- | |  |  |  | | --- | | **Description** | | |  | | --- | |  |  |  | | --- | | **Location/URL** | | |  | | --- | |  |  |  | | --- | | **Format** | | **Size** | **Access** **Permissions** |
| Global Food Production Dataset (1961–2023) | Includes historical data of crop production quantities by country and year | https://www.kaggle.com/datasets/rafsunahmad/world-food-production | CSV | 10 MB | |  | | --- | |  |  |  | | --- | | Public | |