3.3. Data Collection Plan & Raw Data Sources Identification

Date	03 Oct 2025
Team ID	xxxxxx
Project Title	Analysis and Visualization of Global Food Production Data (1961–2023)
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

Section	Description
Project Overview	The project focuses on analyzing **global food production trends from 1961 to 2023** using historical agricultural data. The primary objective is to identify long-term patterns, regional contributions, and growth trajectories of key commodities such as rice, wheat, maize, tea, coffee, and fruits (apples, bananas, grapes, oranges, avocados). The insights will be visualized through **interactive Power BI dashboards** to aid **decision-making in food security and agribusiness strategy**.

Data Collection Plan	• The dataset was collected from **global agricultural production records** compiled in open data repositories. • The raw dataset spans over 62 years (1961–2023) and covers more than 22 agricultural commodities across multiple regions. • The data was acquired in **CSV format** for ease of preprocessing and visualization. • The project uses a **single consolidated dataset** instead of multiple fragmented sources.
Raw Data Sources Identified	**World Food Production Dataset (1961–2023)** • Format: CSV • Size: ~11,912 records × 24 columns • Content: Production values (in tonnes) for major crops, fruits, and agricultural commodities. • Coverage: Multiple countries/regions (Entities) across 62 years. • Purpose: To serve as the **primary dataset** for time-series analysis and visualization in Power BI.

Raw Data Sources

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1 – Global Food Production (1961–2023)	Historical dataset containing yearly food production volumes (in tonnes) for 22 major commodities such as rice, wheat, maize, coffee, tea, fruits, and other crops across multiple countries/regions from 1961 to 2023.	https://www.kaggle.com/datasets/rafsunahmad/world-food-production	CSV	~11,912 records, 24 columns (~2.2 MB)	Public / Provided for Academic & Research Use