Data Collection and Preprocessing Phase

Date	5 Oct 2025
Team ID	SWUID20250181666
Project Title	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

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 from 1961 to 2023 using Power BI. The objective is to visualize historical patterns, identify regional strengths, and generate actionable insights for stakeholders in agriculture and food policy.
Data Collection Plan	Data will be collected from publicly available and credible sources such as FAOSTAT and Kaggle. These sources provide comprehensive datasets on agricultural production across countries and commodities.
Raw Data Sources Identified	The following datasets have been selected for their reliability, global coverage, and relevance to the project's analytical goals. They include production volumes by crop, region, and year.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	Kaggle – Global Food Production Dataset with extended data till 2023, includes fruits and staple crops.	https://www.kaggle.com/datasets/rafsunahmad/world-food-production	CSV	2.14 MB	Public