Data Collection and Preprocessing Phase

Date	15 September 2025
Team ID	SWUID20250172428
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

Data Collection Plan Template

Section	Description
Project Overview	This project analyzes global food production trends from 1961 to 2023, focusing on area harvested, production quantity, and yield. The objective is to provide interactive dashboards and visual insights to support policymakers, researchers, and businesses in decision-making
Data Collection Plan	Data will be collected from authoritative open-source repositories, including FAOSTAT and Kaggle. The focus will be on structured datasets in CSV or Excel format covering multiple years and crop types.
Raw Data Sources Identified	Identified datasets include historical production data, area harvested, and yield metrics for different countries and crops. The datasets provide comprehensive global coverage and are suitable for visualization in Power BI.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
FAOSTAT Food Production	Historical global food production data by crop and country	https://www.fao.org/faostat/en/#data/QCL	CSV	32 MB	Public
Kaggle Global Food Production	Supplementary dataset for verification and comparison of FAOSTAT data	https://www.kaggle.com/datasets/rafsunahmad/world-food-production	CSV	856 KB	Public