

Data Collection and Preprocessing Phase

Date	24 July 2025
Team ID	Sukriti
Project Title	Predicting Plant Growth Stages with Environmental and Management Data 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	To analyze environmental and agricultural data to identify key factors influencing plant growth and recommend optimal conditions for enhanced growth performance
Data Collection Plan	Smart Bridge Dataset, Kaggle Dataset
Raw Data Sources Identified	https://www.kaggle.com/datasets/gorororororo23/plant-growth-data-classification https://www.kaggle.com/datasets/aastik1844/plant-growth-stage-dataset

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Smart Bridge	Plant growth classification data based on environmental features such as light intensity, soil moisture, temperature, and pH levels.	https://www.kaggle.com/datasets/gororororo23/plant-growth-data-classification	CSV	11.2 KB	Public
Kaggle Dataset	This dataset contains observations of various growth stages of a subject (e.g., plants, animals, or cells), along with environmental and physiological factors influencing development. It includes features	https://www.kaggle.com/datasets/aastik1844/plant-growth-stage-dataset	CSV	674.4 MB	Public

	such as time-based measurements, nutrient levels, environmental conditions, and past growth trends.				
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