

Data Collection and Preprocessing Phase

Date	01 December 2024
Team ID	739791
Project Title	Rice Crop Monitoring-Time Series Analysis
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 develop a machine learning model to monitor and optimize rice crop health. The objective is to predict crop stress, detect pests, and recommend timely interventions using data-driven insights.
Data Collection Plan	Data will be collected from a variety of sources to ensure the model is trained on diverse and comprehensive datasets. The primary sources of data include: IoT Sensors , Satellite Imagery , Historical Data , Manual Observations .
Raw Data Sources Identified	The raw data sources for this project include datasets obtained from kaggle.com, & UCI, the popular platforms for repositories. The provided sample dataset represents a subse of collected information , encompassing variables like Area, Year, Unit, Value, Flag Description, Flag.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	The dataset comprises of production details(Area, Year, Unit, Value, Flag Description, Flag.)	"C:\Users\indhu\Downloads\major project\rice production across different countries from 1961 to 2021.csv"	CSV	357KB	Public