**Data Collection and Preprocessing Phase**

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| 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**

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| **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**

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| **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"](file:///C:\Users\indhu\Downloads\major%20project\rice%20production%20across%20different%20countries%20from%201961%20to%202021.csv) | CSV | 357KB | Public |