

Data Collection and Preprocessing Phase

Date	21 April 2024
Team ID	738194
Project Title	RIPE-SENSE: MANGO QUALITY GRADING WITH IMAGE ANALYSIS AND DEEP LEARNING.
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	RIPE-SENSE aims to develop an advanced mango quality grading system using image analysis and deep learning techniques. The primary objective is to enhance the efficiency of mango production and distribution processes by accurately assessing mango quality and ripeness.
Data Collection Plan	The data for RIPE-SENSE will be collected from various sources including mango farms, orchards, and agricultural research institutions. Additionally, publicly available mango image datasets and online repositories will be utilized to augment the dataset.
Raw Data Sources Identified	The raw data sources for this project include datasets obtained from Kaggle, a popular platform for data science competitions and repositories. The project utilizes datasets from Kaggle, particularly the "Mango Varieties Grading" dataset, containing images of mangoes in their ripe, unripe, or overripe forms.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	The Grading dataset consists of images of mangoes in their ripe, unripe, or overripe forms.	https://www.kaggle.com/datasets/saurabhshahane/mango-varieties-classification	Image	190 MB	Public