Data Collection and Preprocessing Phase

Date	20 June 2024
Team ID	SWTID1720428909
Project Title	Vitamin Vision: Unveiling the Spectrum of Nutrient Detection
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	The machine learning component of the Vitamin Vision project aims to develop algorithms that analyze chromatographic and spectroscopic data, enhancing accuracy and efficiency in vitamin detection and quantification for quality control, nutritional research, and regulatory compliance.
Data Collection Plan	Import dataset from: https://www.kaggle.com/code/allulucky27/vitamin-detection
Raw Data Sources Identified	The Kaggle notebook "Vitamin Detection" by allulucky27 explores the use of machine learning to detect vitamins from data. It contains 8968 total images and 224 test images in .jpg format.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	The data in the Kaggle notebook "Vitamin Detection" involves various features and measurements used to detect vitamins in samples. It includes preprocessing steps like handling missing values, feature engineering, and scaling..	https://www.kaggle.com/code/alluluckyy27/vitamin-detection	JPG	**90.33 MB**	Public