

Data Collection and Preprocessing Phase

Date	23 July 2025
Team ID	Xxxxxx
Project Title	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
Maximum Marks	3 Marks

Data Quality Report Template

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

Data Source	Data Quality Issue	Severity	Resolution Plan
plant_growth_data.csv	No missing values in any column	Low	No action needed; dataset has complete records for all columns.
plant_growth_data.csv	Categorical value consistency	Low	All categorical fields ('Soil_Type', 'Water_Frequency', 'Fertilizer_Type') contain only expected unique values. No issue.
plant_growth_data.csv	Data granularity/representativeness	Moderate	Ensure enough diverse records for each combination of environmental/management factors; if not, augment dataset or collect more samples.

plant_growth_data.csv	Value ranges for environmental features	High	Double-check that all values for sunlight hours, humidity, and temperature are within realistic ranges for actual agricultural scenarios.
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