

Data Collection and Preprocessing Phase

Date	11 November 2025
Team ID	VIP-C3
Project Title	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 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
Food Production CSV	Missing values in "Green Coffee" production for specific years in Africa.	Moderate	Use "Fill Down" or "Replace Values" with the regional mean in Power Query.
Commodity Dataset Duplicate rows for Wheat and Rice in the	Duplicate rows for Wheat and Rice in the 1980-1990 period.	High	Apply the "Remove Duplicates" transformation in Power BI to ensure production totals aren't inflated.

Entity Column	Inconsistent naming (e.g., "USA" vs "United States").	Low	Create a conditional column or use "Replace Values" to standardize entity names for the bar charts.
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