

3.2. Data Quality Report

Date	03 Oct 2025
Team ID	xxxxxxx
Project Title	Analysis and Visualization of Global Food Production Data (1961–2023)
Maximum Marks	3 Marks

Data Quality Report

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
Global Food Production Dataset (1961–2023)	No missing values detected in the dataset.	Low	No action required.
Global Food Production Dataset	Some column names contained extra spaces and inconsistent formatting	Low	Standardized column names by renaming during

(1961–2023)	(e.g., Rice Production (tonnes)).		preprocessing (Power Query in Power BI).
Global Food Production Dataset (1961–2023)	Outliers found in some production figures due to unusually high reported values in certain years/regions.	Moderate	Outliers validated through aggregation checks; retained if historically consistent, removed if erroneous.
Global Food Production Dataset (1961–2023)	Mixed data types for Year (int) and numerical fields (float with decimals).	Low	Converted Year into Date hierarchy, standardized production columns as numeric (Whole Number).