

Data Collection and Preprocessing Phase

Date	21 June 2025
Team ID	XXXXXX
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
Dataset-1	<p>Zero Values: Some rows contained zero values, which could represent missing or unrecorded data.</p> <p>Inconsistent Data Types: The dataset comprised columns with mixed data types, such as integers and decimals.</p>	Moderate	<ul style="list-style-type: none"> ○ Treating these zeros as valid entries might lead to misinterpretations in analyses. Therefore, I filtered out every row that had a zero in any column. ○ To ensure uniformity and facilitate smoother processing, all numerical columns were standardized to a single data type.

Dataset-2	<p>Zero Values: Most of the rows contained zero values, which could represent missing or unrecorded data.</p> <p>Unwanted Columns: This contains many unnecessary columns which will not help us in visualization like Area Abbreviation, Area code, item code, element code, latitude and longitude</p>	High	<ul style="list-style-type: none"> ○ This requires data transformation which is filtering, rearrangement of columns and deleting columns, deleting rows containing zero value.
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