3.2. Data Quality Report

Date	19-10-25
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983-2019)

Purpose of the Report

- Evaluate the accuracy and reliability of the data sources.
- Identify inconsistencies, missing values, or duplicates.
- Ensure that the data is cleaned, standardized, and ready for visualization in Power BI.

Data Quality Assessment

1. Accuracy

- Checked data validity against recognized global nutrition databases.
- Verified that percentage values of indicators were within realistic global health ranges.

2. Completeness

- Missing entries were found for smaller or low-reporting countries (especially during 1980s–1990s).

3. Consistency

- Country names, regional groupings, and income classifications standardized.
- Numeric formats unified (e.g., percentages rounded to one decimal).

4. Timeliness

- Ensured that yearly data was continuously available between 1983 and 2019.
- Checked temporal alignment between both datasets before merging.

5. Integrity

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- Verified logical relationships between country, indicator, and year.
- Removed any duplicate or erroneous entries.

The preparation process involved cleaning the data by removing blank and null values, standardizing numerical formats, fixing decimal precision, and converting proportion-based columns into percentage format. The datasets were then organized and structured to be easily imported into visualization tool like Power BI

1. The data has been loaded into power BI.The Next step is to clean the data.

2. For this transform data to the power Query Editor.

3. After loading the data select each column and remove null and balnk values for data consistency and accuracy.