Data Collection and Preprocessing Phase

Date	29 July 2025
Team ID	YM
Project Title	Global Malnutrition Trends: A Power BI Analysis (1983-2019)
Maximum Marks	10 Marks

Data Exploration and Preprocessing Template

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

Section	Description
Data Overview	includes source, time period (1983–2019), number of records, and key columns like country, year, malnutrition indicators.
Data Cleaning	Fix problems in the data – remove empty or repeated rows, and correct any wrong or inconsistent values (like spelling mistakes in country names).
Data Transformation	Use Power Query to filter unwanted rows, sort the data, create new columns, or group the data (like by region or year).
Data Type Conversion	Make sure each column has the correct type – for example, years should be numbers, names should be text, and percentages should be decimal numbers.
Column Splitting and Merging	If one column has too much info, split it into parts. If two columns should be one, combine them. (Example: split "Country - Region" into "Country" and "Region").
Data Modeling	Link related tables together (like country and year), and create calculations (like average malnutrition) using DAX in Power BI.

Save Processed Data	Save the clean and ready-to-use data as an Excel or CSV file, or load it directly into Power BI for making dashboards.