Data Collection and Preprocessing Phase

Date	19 June 2025
Team ID	Power BI
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	3 Marks

Data Quality Report

The Data Quality Report 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 Inflation Dataset	Missing values for certain countries/years	Moderate	Removed blank rows using Power Query.
Global Inflation Dataset	Inconsistent data types (Eg: year as text, inflation as string)	Low	Converted all column types appropriately using the "Change Type" function in Power Query.
Global Inflation Dataset	Inflation category for insight (High, Moderate, Low)	Moderate	Created a custom column using conditional logic to classify inflation rate.

Country Mapping - ISO, Continent, Region dataset	Unnecessary columns (e.g., ISO codes, subregion IDs) included.	Low	Removed irrelevant columns using Power Query's column selection step.
Merged Dataset	Regional insights unavailable without integrating region data.	Moderate	Merged Global Inflation data with Country Mapping dataset on country to enable region-based analysis.