

Data Collection and Preprocessing Phase

Date	23 March 2025
Team ID	
Project Title	Power BI inflation analysis: journeying through global economic
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
Inflation Dataset	Missing inflation values for some years in specific countries (e.g., war-torn regions)	Moderate	Imputed missing values using median inflation rates for neighboring countries or previous year's trend.
Inflation Dataset (Kaggle)	Duplicate records for countries with different name formats (e.g., "USA" vs "United States")	High	Standardized country names using a mapping dictionary in Power Query and removed duplicate entries.

Countries of the World Dataset	Some countries missing region/continent or population fields	Moderate	Filled missing region data using external sources (e.g., Wikipedia), and estimated population using historical records.
Countries of the World Dataset	Different naming conventions causing join issues (e.g., “Czech Republic” vs “Czechia”)	Moderate	Used a standardized country name reference table for accurate joins and merging in Power BI.