

## Data Collection and Preprocessing Phase

Date	9 December 2025
Team ID	XXXXXX
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	3 Marks

### Data Quality Report

Data Source	Data Quality Issue	Severity	Resolution Plan
Global Inflation Dataset (Kaggle)	Dataset is in wide format with years as separate columns	High	Convert the dataset into a long format using <b>Unpivot Other Columns</b> to create Year and InflationRate columns.
Global Inflation Dataset (Kaggle)	Missing values in inflation rate data	High	Identify missing values using <b>Column Quality</b> and retain them as blanks so that averages and trends are not distorted.
Global Inflation	Incorrect data types for Year and InflationRate columns	High	Convert <b>Year</b> to Whole Number and <b>InflationRate</b> to Decimal Number using Power Query.

Dataset (Kaggle)			
Global Inflation Dataset (Kaggle)	Presence of unnecessary Indicator column	Low	Remove the Indicator column as it does not contribute to inflation analysis.
Global Inflation Dataset (Kaggle)	Blank rows in the dataset	Low	Remove blank rows using <b>Remove Blank Rows</b> to avoid empty records in visuals.
Global Inflation Dataset (Kaggle)	Formatting inconsistencies in Country names	Low	Apply <b>Trim</b> and <b>Clean</b> transformations to standardize country names.
Global Inflation Dataset (Kaggle)	Duplicate country–year records (if present)	Low	Remove duplicate rows after unpivoting based on Country and Year columns.
Global Inflation Dataset (Kaggle)	Error values in numerical columns	Low	Remove error rows using <b>Remove Errors</b> to prevent visualization issues.

