Data Collection and Preprocessing Phase

Date	30 July 2025
Team ID	xxxxxx
Project Title	**Global Energy Trends**: A Data-Driven Analysis of Consumption Patterns & Renewable Transition (1990-2020)
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
Smart Bridge	The dataset showed missing values, inconsistent dates, duplicate regions, blank source types, unit mismatches, and outliers	Moderate	These were fixed through interpolation, format standardization, duplicate removal, value replacement, unit conversion, and outlier validation.
Kaggle Datasets	Missing data entries in training set; inconsistent data types (e.g., string instead of integer).	Moderate	Use Power Query to impute missing values with averages/medians; add data type transformation steps in Power Query Editor