

Data Collection and Pre-processing 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	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan Template

Section	Description
Project Overview	Develop an interactive Power BI dashboard analyzing global energy consumption and generation patterns (1990-2020) to identify renewable adoption trends and regional benchmarks
Data Collection Plan	Data will be Collected from Smart Bridge and apart from that we are using datasets from kaggle
Raw Data Sources Identified	https://www.kaggle.com/datasets/jamesvandenbergr/renewable-power-generation

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	<p>This dataset's consists Details of 100 countries data spanning about 28 years(1990-2017). Measured in TWH. 6 Files ,72 columns</p> <p>.</p>	https://www.kaggle.com/datasets/jamesvandenbergh/renewable-power-generation	CSV	15.22Kb	Public

Dataset 2	<p>The CSV and XLSX files follow a format of 1 row per location and year. The JSON version is split by country, with an array of yearly records.</p> <p>The variables represent all of our main data related to energy consumption, energy mix, electricity mix as well as other variables of potential interest</p>	https://www.kaggle.com/datasets/pralabhpoudel/world-energy-consumption	CSV , XLSX	8.25Mb	Public
	