

Data Collection and Preprocessing Phase

Date	22 December 2025
Team ID	xxxxxx
Project Title	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes Using Power BI
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	This project focuses on analyzing global energy trends across different regions and countries using Power BI. The main objective is to understand energy consumption and power generation patterns, compare renewable and non-renewable energy sources, and present insights through interactive dashboards and reports to support better decision-making.
Data Collection Plan	The data for this project is collected from publicly available global energy datasets. These datasets are downloaded in CSV format from Kaggle.

Raw Data Sources Identified	The collected data includes continent-wise and country-wise energy consumption, renewable power generation, non-renewable power generation, and top power-producing countries. All datasets are imported into Power BI using Power Query Editor for cleaning and preprocessing
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Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle	The dataset contain a 6 csv format worksheets that contains the data by continent consumption, country consumption, top 20 countries on total power generation and renewable and non-renewable power generation data.	https://www.kaggle.com/datasets/jamesvandenbergh/renewable-power-generation	CSV	130+ records	Public