

## Data Collection and Preprocessing Phase

Date	1 October 2025
Team ID	SWUID20250207636
Project Title	<b>Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes using Power BI</b>
Maximum Marks	3 Marks

### Data Quality Report

Data Source	Data Issue	Severity	Resolution Plan
Continent_Consumption_TWh (Kaggle)	Null Values	Low	Filter out rows where key identifier column (Year) are blank.
Continent_Table(Kaggle) Country_Table(Kaggle)	Wide Data Format (Country/Continent across columns).	High	Unpivot Other Columns. Rename Attribute to Country/Continent and Value to TWh.
Top 20 Countries Power Generation(Kaggle)	Excess Decimal Precision	Low	Rounding → Set the Energy Value column (Geothermal(TWh)) to round off to 2 decimal places.
Almost entire dataset files(Kaggle)	Incorrect Data Types	High	Use Change Type