

Business Question and Visualization Report

Date	3 October 2025
Team ID	SWUID20250206509
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Mode
Maximum Marks	5 Marks

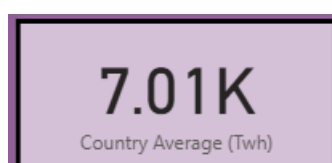
Visualization development refers to the process of creating graphical representations of data to facilitate understanding, analysis, and decision-making. The goal is to transform complex datasets into visual formats that are easy to interpret, enabling users to gain insights and make informed decisions. Visualization development involves selecting appropriate visual elements, designing layouts, and using interactive features to enhance the user experience. This process is commonly associated with data visualization tools and platforms, and it plays a crucial role in business intelligence, analytics, and reporting

Business Questions and Visualisation

The process involves defining specific business questions to guide the creation of meaningful and actionable visualizations in Power BI. Well-framed questions help in identifying key metrics, selecting relevant data, and building visualisation that provide insights.

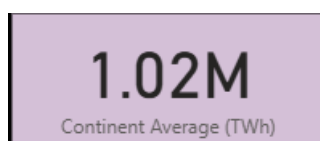
1. What is the Country Average trend of energy consumption (TWh) ?

Visualization: Card/Metric visualization showing total count.



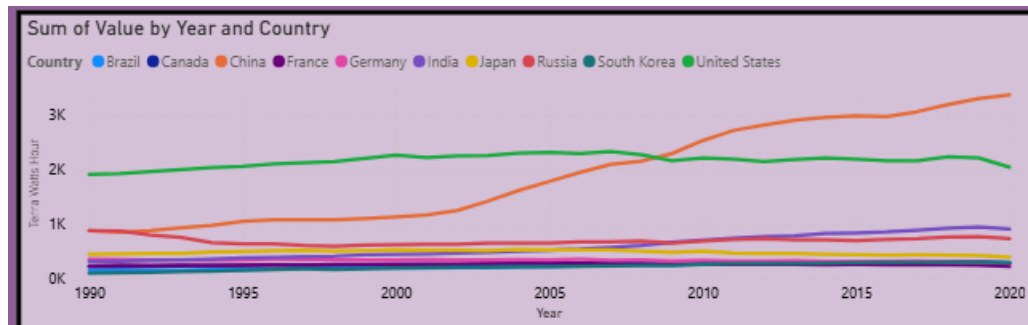
2. What is the Continent Average trend of energy consumption (TWh) ?

Visualization: Card/Metric visualization showing total count.



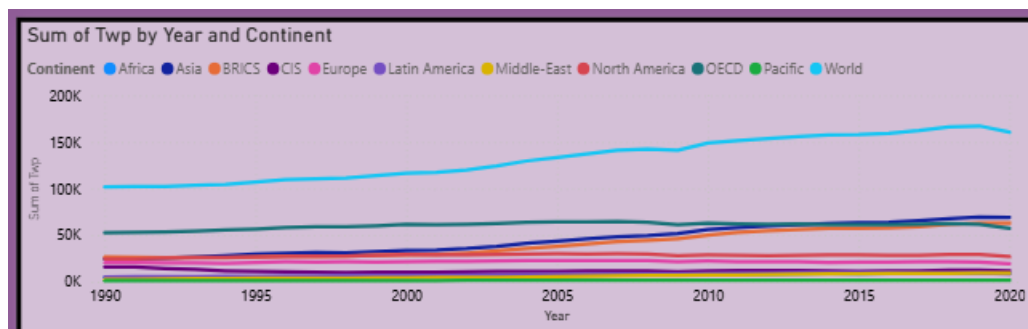
3. What is the Sum of Value by Year and Country ?

Visualization: Line chart visualization showing total Sum.



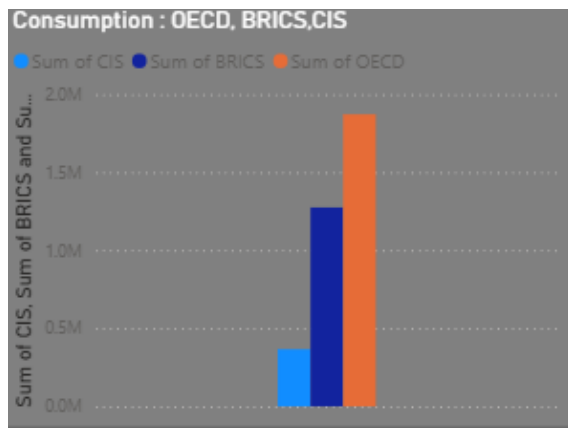
4. What is the Sum of Twp by Year and Country ?

Visualization: Line chart visualization showing total Sum.



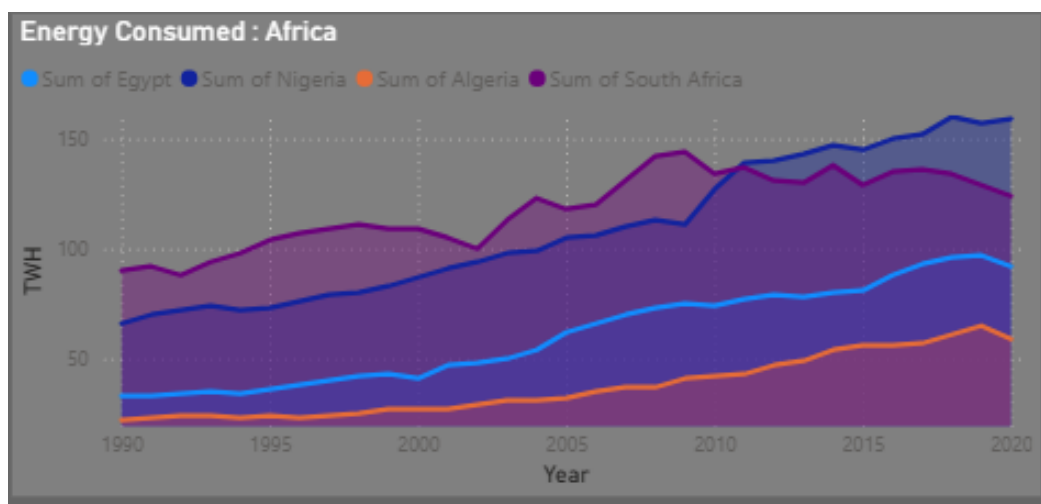
5. What is the Consumption of OECD , BRICS, CIS ?

Visualization : Bar chart visualization which compares them all.



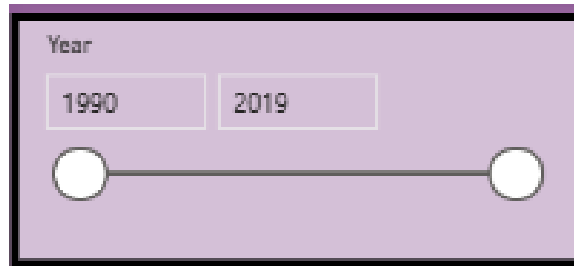
6. What is the Energy Consumed in Africa ?

Visualization : Area chart visualization which show Top 10 countries which spent more energy



7. Which year is the data present in the Csv files ?

Visualization : Slicer which helps in measuring and finding the years



8. Top 10 Countries which spent the most Energy ?

Visualization : Slicer which uses the Dropdown filter

