

# Dashboard Design

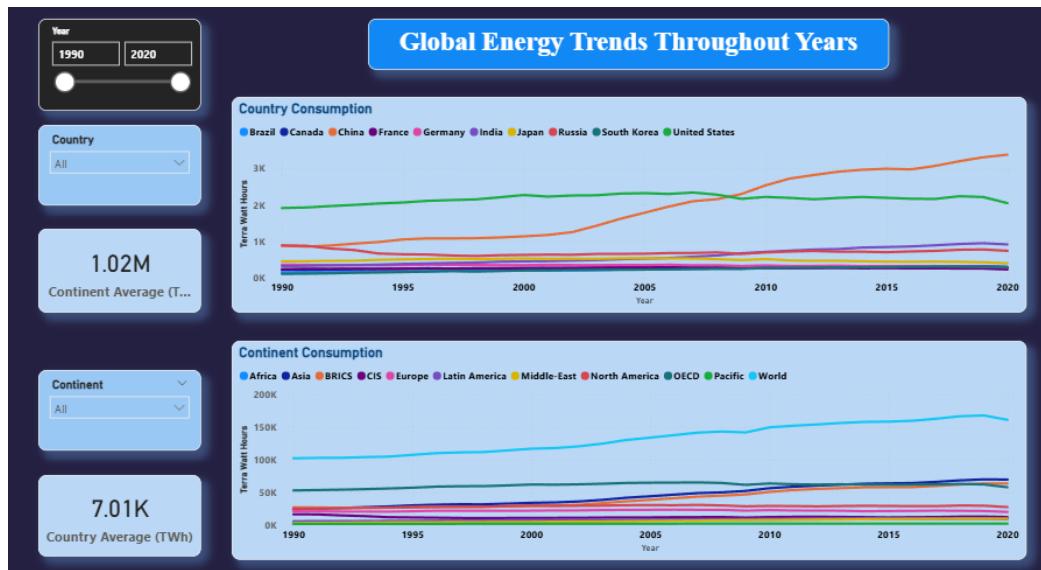
Date	23 December 2025
Team ID	xxxxxx
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes Using Power BI
Maximum Marks	5 Marks

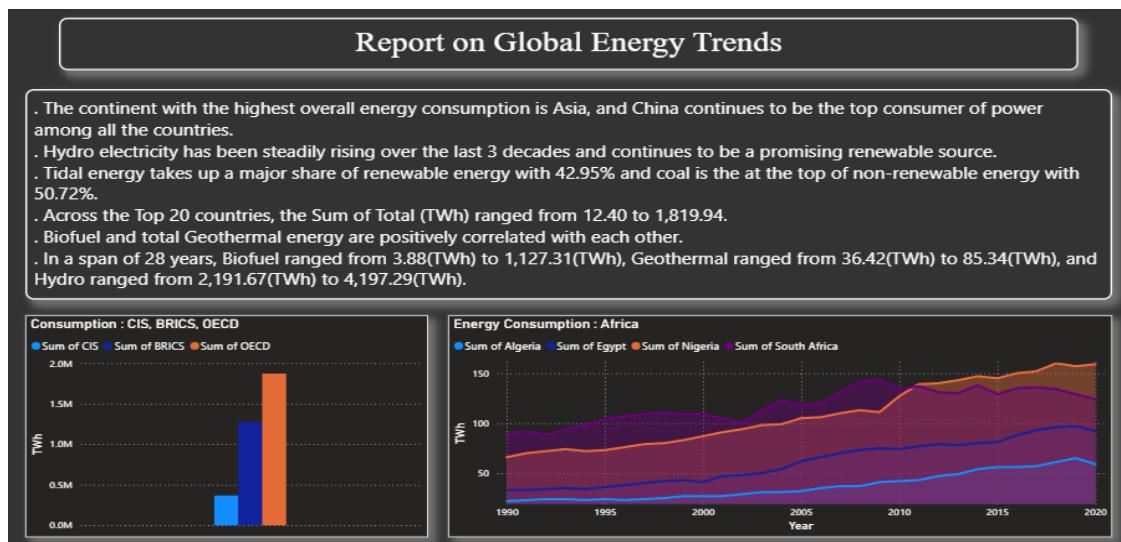
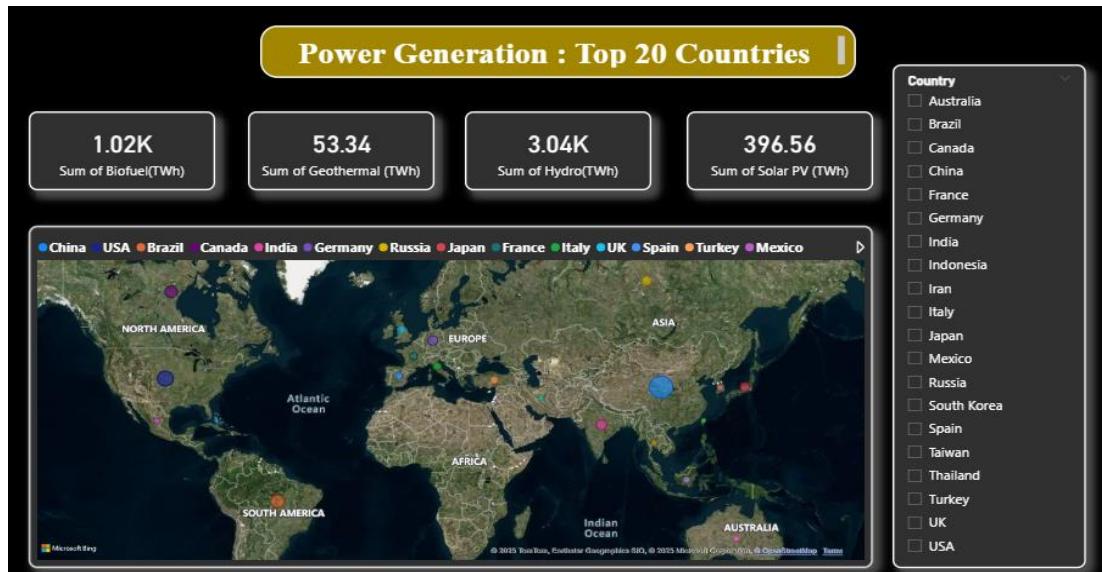
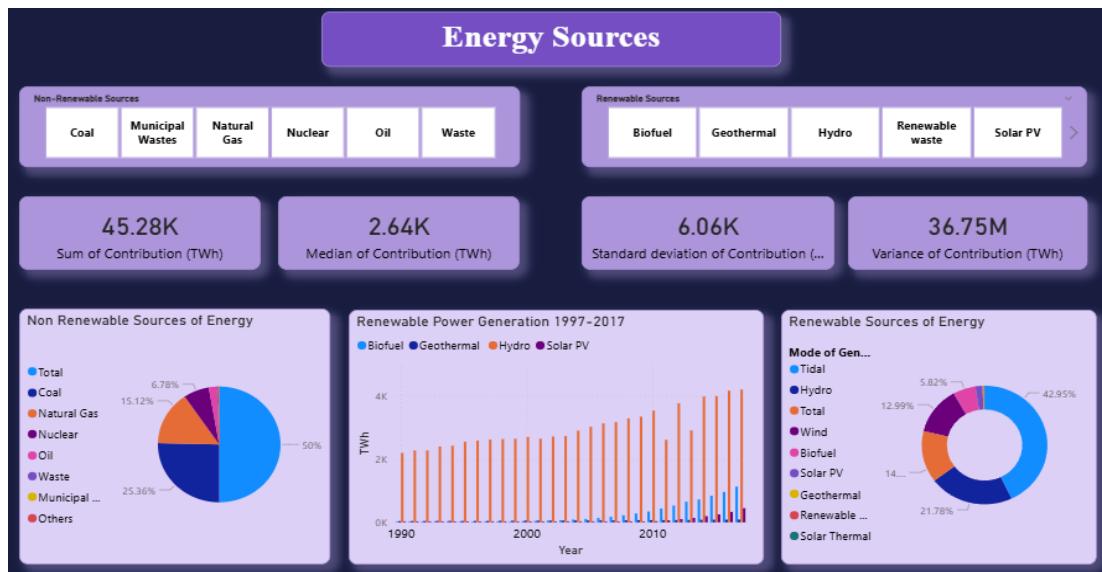
Creating an effective dashboard involves thoughtful design to ensure that the presented information is clear, relevant, and easily understandable for the intended audience. Here are some key principles and best practices for dashboard design

## Activity 1: Interactive and visually appealing dashboards

Creating interactive and visually appealing dashboards involves a combination of thoughtful design, effective use of visual elements, and the incorporation of interactive features. Here are some tips to help you design dashboards that are both visually appealing and engaging for users so take care of below points

- Clear and Intuitive Layout
- Use Appropriate Visualizations
- Colour and Theming
- Interactive Filters and Slicers
- Drill-Down Capabilities
- Responsive Design
- Custom Visuals and Icons
- Use of Infographics





**Note:** Highlight the major outcomes in form of bullet points

Here are potential outcomes from the dashboard image provided:

**1. Overall Growth Trend**

Global energy consumption has steadily increased from 1990 to 2020, reflecting rising industrialization and population growth.

**2. Country-Level Consumption Patterns**

China and the United States show the highest energy consumption growth compared to other countries.

**3. Stability in Developed Nations**

Energy consumption in countries such as Germany, France, and Japan shows relatively stable or slower growth trends.

**4. Steady Growth in Renewable Energy**

Renewable power generation has increased consistently from 1997 to 2017.

**5. Non-renewable Energy Dominance**

Non-renewable sources still contribute the largest share of total energy generation.

**6. Coal as Major Contributor**

Coal remains the highest contributor among non-renewable energy sources.

**7. Hydro Power Leadership**

Hydro power is the largest contributor among renewable energy sources.

**8. China as the Leading Producer**

China has the highest overall power generation among the top 20 countries