

ROUND 2: Data Visualization Competition - Interactive Dashboards

Introduction:

Congratulations on advancing to Round 2 of the Data Visualization Competition! In this round, you will be creating interactive dashboards using the tables and features you designed in Round 1. Your task is to develop visually appealing and informative dashboards that effectively communicate insights from the carbon emissions dataset.

Dashboard Requirements:

1. Interactive Features:

- Develop interactive elements within the dashboard to allow users to explore the data dynamically.
- Ensure that users can filter, drill down, and interact with different components of the dashboard.

2. Visualization of Key Features:

- Include visualizations of the key features you created in Round 1, such as total global carbon emissions over time, distribution of fossil emissions by category, variation in land-use change emissions by model, etc.
- Use appropriate chart types (e.g., line charts, bar charts, pie charts, etc.) to effectively present the data.

3. Interactive World Map:

- Incorporate an interactive world map that visualizes carbon emissions data by country.
- Allow users to hover over or click on countries to view detailed emissions information.

4. Additional Visualization Elements:

- Explore the possibility of including other visualization elements such as:
 - Time series plots showing emissions trends over time.
 - Stacked bar charts illustrating emissions breakdown by category.
 - Heatmaps highlighting emission hotspots or trends.
 - Scatter plots to visualize correlations between different emission factors.

5. User-Friendly Design:

- Design the dashboard with a user-friendly interface and intuitive navigation.
- Ensure that the layout is clean and clutter-free, with clear labels and instructions.

SUBMISSION:

- PARTICIPANTS ARE REQUIRED TO PRESENT THEIR DASHBOARDS DURING THE COMMUNICATED EVALUATIONS TIME.

Evaluation Criteria:

- Effectiveness of Interactive Features: How well does the dashboard allow users to interact with and explore the data?
- Visual Appeal and Clarity: Is the dashboard visually appealing and easy to understand?
- Insightfulness of Visualizations: Do the visualizations effectively communicate insights from the data?
- Use of Interactive World Map: How well is the interactive world map integrated into the dashboard?
- Creativity and Innovation: Are there any unique or innovative features included in the dashboard design?

Note:

Participants are encouraged to be creative and innovative in their dashboard designs. Consider how the dashboard can best showcase the insights derived from the carbon emissions dataset and engage users in exploring the data interactively. Good luck with your dashboard development!