

Global Index on Responsible AI Data Visualization Challenge Handbook 2024

Introduction

Welcome to the Global Index on Responsible AI Data Visualization Challenge!

This challenge invites you to use the Global Index on Responsible AI 2024 dataset to create visualizations that explore data gathered and analysed from 138 countries and jurisdictions across 19 thematic areas of Responsible AI. By participating, you will be tasked to create visualizations that uncover insights that can inform decisions and contribute to shaping the future of Responsible AI.

Whether you're an experienced data visualization expert or just starting out, your unique perspective can contribute to more informed, responsible AI practices worldwide. Your work can inform policy and practice, driving meaningful change in AI governance.

We look forward to seeing your creative and thought-provoking visualizations!

What is Responsible AI

We define responsible AI as: The design, development, deployment and governance of AI in a way that respects and protects all human rights and upholds the principles of AI ethics through every stage of the AI lifecycle and value chain. It requires all actors involved in the national AI ecosystem to take responsibility for the human, social and environmental impacts of their decisions. The responsible design, deployment and governance of AI are proportionate to the purpose of its use and meet the technological needs of the individuals and societies it seeks to serve.

Challenge overview

This challenge revolves around transforming the [Global Index on Responsible AI 2024 dataset](#) into clear, insightful visualizations that uncover global trends, highlight disparities, and inspire meaningful action in Responsible AI.

Objective

The challenge is built around three key objectives:

1. **Promote Understanding of Responsible AI:**

Transform the Global Index on Responsible AI data into clear, impactful visualisations that uncover trends, and challenges in Responsible AI worldwide. This will raise awareness and inform the public about responsible AI challenges such as governance gaps, human rights implications, and gender and inclusion issues.

2. **Highlight Global and Regional Trends:**

Showcase the uneven progress of responsible AI across regions and topics, emphasising advancements and areas needing improvement, particularly in human rights. Empower participants to delve deep into the data to uncover hidden trends and discover narratives.

3. **Inspire Action and Policy Change:**

Drive change through visualisations that can serve as advocacy tools for policymakers, stakeholders and non-state actors, encouraging improvements in responsible AI frameworks and practices.

Challenge structure

The challenge is open to individuals and teams, with no restrictions on experience level. You can work independently or collaborate with others, providing a flexible and inclusive opportunity for all.

For team entries, one representative will be designated to receive the prize on behalf of the group.

The number of phases This challenge consists of a **single evaluation phase**. Participants are welcome to submit **multiple entries**, each of which will be reviewed independently during this round

Global Index on Responsible AI Data Visualization Challenge Themes

This challenge invites participants to explore the data and insights from the **Global Index on Responsible AI** report by creating impactful visualisations. Participants can choose from three broad themes, each designed to provide flexibility while encouraging meaningful exploration of responsible AI. These themes cover specific **thematic areas**, highlight **global and regional trends**, and offer an **open-ended option** for creative exploration.

Theme 1: Exploring the Thematic Areas of Responsible AI

What Are the Thematic Areas?

The **Global Index on Responsible AI** collects data on key **thematic areas**, each of which focuses on core aspects of responsible AI. These areas assess how governments and non-state actors are working (or not) on each of these aspects to create the conditions for the design, deployment and use of AI in ways that are safe, and respect and uphold human rights. These thematic areas cover critical areas of responsible AI, such as their intersection with human rights, technical standards and the existence of key capacities required to advance responsible AI.

The **thematic areas** can be found here: [Global Index on Responsible AI Thematic Areas](#)

Focus:

This theme invites participants to explore one or more of the thematic areas from the **Global Index on Responsible AI**. Participants can create visualisations that highlight key trends, disparities, and advancements in responsible AI. They can focus on how regions are performing across these themes, identifying where gaps exist, or showing how these thematic areas interact with one another.

Theme 2: Exploring Global and Regional Trends in Responsible AI

What Are the Global and Regional Trends?

The **Global Index on Responsible AI** also identifies broader **global trends** in responsible AI. These trends reveal critical patterns and insights into AI principles and practices around the world and where gaps remain. These trends highlight the state of responsible AI globally, showing progress and also where more efforts are needed.

The trends can be found throughout the **Global Index on Responsible AI** report.

Focus:

This theme invites participants to explore the **major global trends** identified in the **Global Index on Responsible AI** report **and deepen on how these trends look across different regions**. Through this theme, participants can highlight key patterns, disparities, and commonalities that define the global state of responsible AI. This theme provides flexibility, allowing participants to focus on specific trends or create a broader visualisation that integrates multiple trends.

Theme 3: Open Theme – Participant's Choice

What is the Open Theme?

The **Open Theme** gives participants the freedom to explore any aspect of the **Global Index on Responsible AI** or any other Responsible AI related topics. This theme encourages creative exploration and allows participants to focus on emerging issues or sector-specific challenges, for instance.

Focus:

In this theme, participants have complete creative freedom to explore any topic related to Responsible AI. They are encouraged to use data from the **Global Index on Responsible AI** to explore areas not fully covered by the Index. This theme is designed to foster innovation and creative thinking, providing participants with the flexibility to approach Responsible AI from new and interesting angles.

Step by step guide: How it works

1. **Sign up and review the guidelines**

Register as an individual or team and carefully review the challenge guidelines, eligibility requirements, and evaluation criteria.

2. **Choose your theme**

Select one of three themes: *Thematic Areas of Responsible AI*, *Global and Regional Trends*, or *Open Exploration*. Each theme provides a unique lens to explore the data and inspire meaningful visualizations.

3. **Access the data**

Access the Global Index on Responsible AI dataset directly on the platform. Explore and interact with the data on the various thematic areas.

4. **Create your visualization**

Using any data visualization tools of your choice, design a compelling visualization that reveals key findings and aligns with your chosen theme. Be creative and thoughtful in showcasing the trends, disparities, or challenges within the data.

5. **Submit your entry**

Upload your final visualization and any required accompanying materials by the challenge deadline. Ensure your submission meets all format and content requirements outlined in the guidelines.

6. **Evaluation and winner announcement**

All entries will be reviewed in a single round. Winners will be selected based on creativity, clarity, impact, and alignment with the challenge objectives. One prize will be awarded, with recognition going to either the individual or the designated representative for team entries.

TIMELINE

1.Registration Period: 6th December 2024 – 20th January 2025

2.Welcome Webinar: 19th December 2024

4.Submission Deadline: 20th January 2025

5.Judging Period: 20th January – 30th January 2025

6.Winner Announcement: 30th/31st January 2025

7.Thank You Webinar: 31st January 2025

Eligibility criteria and acceptable submission formats

The challenge is open to participants globally. Eligibility requirements include:

1. **Open to all:** The challenge is open to participants globally, whether entering as an individual or as part of a team. Participants from all backgrounds and levels of experience are welcome.
2. **Individual and team entries:** Participants can enter individually or as part of a team. Teams must designate one representative who will receive any awarded prize on behalf of the group.
3. **Age requirement:** Participants must be **at least 18 years old** or meet the age of majority in their country of residence.
4. **Original work:** All entries must be the original work of the participant(s) and created specifically for this challenge. No prior submissions or previously published work will be accepted.
5. **Valid Passport/ID and cash receiving account:** Participants must have a valid passport or government issued ID that matches the name of their challenge entry. Participants must also have an account capable of receiving cash prizes, should they win.

Submission Guideline

1. **Visualization file:** Submit your final visualization as a high-resolution image file (JPEG or PNG) or PDF. If your visualization is interactive (eg. a dashboard or html file), provide a link to access it online.
2. **Accompanying description:** Include a brief description (up to 300 words) explaining your visualization, the findings it reveals, and how it aligns with the chosen theme.

3. **Tools used:** Provide a list of tools or software used in the creation of your visualization.
4. **Data source confirmation:** Indicate that the data used is from the Global Index on Responsible AI, provided directly through the challenge platform.
5. **Data transformations:** Provide a summary of any data cleaning, preprocessing, or transformations you applied, explaining how these steps helped to clarify the data and enhance the visualization.
6. **Submission deadline:** Ensure that your complete entry is submitted by the challenge deadline as outlined in the official guidelines.

All submissions must adhere to these format guidelines to be considered for evaluation.

Guidelines for plagiarism and fair data use

1. **Original work requirement:** All submissions must be the original work of the participant(s) and created specifically for this challenge. Visualizations, findings, and descriptions must be unique and may not be copied from any previous work or external sources.
2. **Proper attribution of external elements:** If participants choose to incorporate any elements (such as icons, images, or templates) that are not original, these must be fully licensed for use and properly attributed. Participants are responsible for ensuring they have permission to use any external assets in their visualizations.
3. **Fair and ethical data use:** Participants must use the dataset provided through the platform responsibly, maintaining the integrity of the data without misrepresenting or distorting information to create misleading visuals.
4. **No unauthorized data sources:** Only the data provided on the Global Index on Responsible AI platform may be used to ensure consistency and fairness in analysis. Participants should not supplement the dataset with external data unless explicitly permitted by the challenge guidelines.
5. **Plagiarism consequences:** Any submission found to contain plagiarized content or to violate fair data use guidelines will be disqualified. The challenge organizers reserve the right to verify the originality of all entries.

By following these guidelines, participants can help uphold the challenge's standards of integrity and contribute valuable, trustworthy findings into Responsible AI.

Judging criteria

Entries will be evaluated based on the following criteria:

1. Clarity and Communication (25%)

2. **Relevance and Insightfulness (25%)**

3. **Creativity and Originality (20%)**

4. **Technical Proficiency (15%)**

5. **Relevance to the Theme and Challenge Objectives (15%)**

Bonus: Advocacy Usability (5%)

Resources

1. **Dataset:** Access the dataset directly via the challenge platform after registration.
2. **Methodology:** Download the methodology document to understand how the data was collected and categorized.

By participating in this challenge, you will not only have the opportunity to showcase your skills but also to contribute to the responsible development of AI worldwide. We look forward to seeing how your visualizations can inspire positive change.