Evaluating an AI-Powered Dashboard for Misleading Graph Detection and Improvement

Thank you for participating in this study. **Please read the instructions carefully. Scroll down if necessary.**

Note: Please never 'reload' button in your browser. You will lose all your progress and will have to restart. You can leave the study anytime by clicking on the "Leave study" button on the top right.

A brief idea of the study:
This study aims to investigate data visualization experts' reactions and perceptions toward an AI-powered dashboard designed to detect and improve misleading graphs. The user study seeks to understand the dashboard's effectiveness, usability, and practical applications through expert evaluation. Through hands-on tasks with various misleading visualizations, this research explores how experts interact with AI-suggested improvements, their decision-making processes when implementing changes, and their assessment of the tool's potential impact on professional visualization workflows. The study focuses on the dashboard's ability to identify common visualization issues, the relevance of its suggested improvements, and its potential integration into expert-level data visualization practices.

CONSENT FORM

I have read and agree to the CONSENT FORM

○ YES

→

How accurate were the dashboard's problem identifications?

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

How useful were the suggested improvements?

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Did you learn any new insights about misleading graphs from the dashboard? If yes, please elaborate.

How does this tool compare to your current methods for identifying or improving misleading graphs?

What additional features would make this tool more beneficial for the users?

How likely are you to use this tool in your professional work?

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

What types of projects or situations would you find this tool most useful for?