



Expanding possibilities for people with vision loss



Exploring AI and Disability: A Delphi Study with Industry and Policy Experts

Disability and Technology

- Technology can provide unique accessibility solutions for people with disabilities
- AI development has the potential to support accessibility
- However, AI can also create risks of discrimination
- Focused research on disability and technology and AI needs attention

Exploring AI

- Understand AI opportunities and challenges for people with disabilities
- Explore several different AI domains
 - Transportation
 - Education
 - Employment
 - Healthcare
 - Assistive Technology

Modified Delphi Methods

- Initial Interviews
 - Interviewed 32 professionals
- Statement Agreement Survey
 - Rate agreement on statements from interviews
- Disagreed Statements
 - Gather further evaluation and discussion on disagreed statements

Agreed Statements

- *“AI auditing must account for anti-disabled biases in addition to racial and gender biases.” (0.53)*
- *“AI needs to focus on expanding access and inclusion; it is not enough to only avoid harm to people with disabilities (PWD).” (0.68)*

Agreed Statements

- *“There should be strong privacy laws at the federal level that are informed by the disabled community.” (0.80)*
- *“Regulation needs to ensure individuals with disabilities are proactively considered in AI development.” (0.98)*
- *“AI used in resume screeners or hiring decisions need to be disclosed to all applicants.” (0.93)*

Agreed Statements

- *“Training methods for AI literacy, such as drag-and-drop interfaces, pose barriers for people with disabilities.” (0.97)*
- *“AI should not replace interactions with human educators.” (0.81)*

Call to Action

- Additional research needed to explore the applications of these findings
- Institute accessibility policies that address AI in these different domains
- Increase collaboration between AI development and people with disabilities

Exploring AI and Disability

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