Equitable and Ethical Practices and Interactions

Thursday, July 27th, 2023

Welcome! Please introduce yourself in the chat:

- Name, Role, Institution/Organization
Introductions

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Agenda

● Introduction
● Overview Ethics
  ○ AI Ethics
  ○ AI Ethics Frameworks
  ○ AI Bill of Rights
● Overview Equity
● Equity Discussion
● Examples & Next Steps
Ethics in AI
What does “AI Ethics” mean?

• Philosophical definition and discipline
• Applied definitions
• Common practices, concepts, and frameworks
Some AI Ethics Frameworks/Tools
White House Released The Blueprint for AI Bill of Rights (October 2022)

AI should be safe and effective

AI should not discriminate unjustly

Data privacy and security should be protected

You should know when AI is being used and how it affects you

You can opt out and interact with a person

This blueprint provides necessary principles & shares potential actions. It is a tool for educating the agencies responsible for protecting & advancing our civil rights and civil liberties. Next, we need lawmakers to develop government policy that puts this blueprint into law.

— Algorithmic Justice League (@AJLUnited) October 4, 2022
But! What about AI ethics in schools, for students, for teachers?

Ecology of AI Ethics
- School culture
- Legal and political considerations
- AI ethics frameworks

Ethical practices in/for schools:
- Teaching students about AI, and AI ethics
- Designing AI tools ethically for teachers, students, equitable learning
- Critique and analysis of AI systems and community norms

Ethical issues in schools/educational settings
- Privacy
- Consent
- Equity
- Access
- Authorship
- Responsibility
- Trust
Redesigning the AI Bill of Rights for/with Students
Equity in AI
Reading List

- Weapons of Math Destruction
- How Artificial Intelligence Works and Why It’s Making the World a Weirder Place
- You Look Like a Thing and I Love You
- Algorithms of Oppression
- Artificial Unintelligence

Cathy O'Neil
Janelle Shane
Safiya Umoja Noble
Meredith Broussard
More than a Glitch

Confronting Race, Gender, and Ability Bias in Tech

Ruha Benjamin

Race After Technology

Meredith Broussard
Human and AI Collaboration Zone
Risks in Artificial Intelligence

Data may:
- encode and reproduce bias
- be nonrepresentative
- have false correlations

Actions may:
- reinforce existing biases
- scale up a flawed strategy
- have negative consequences

and many more flaws
Office of EdTech: AI and the Future of Teaching and Learning

- Emphasize Human-in-the-Loop, and not Replacing Teachers
- Inform and Involve Educators, Prioritizing Building Trust
- Work with Constituents to Develop Guidelines and Guardrails

OET’s AI blog series highlights the current landscape of AI in Education and potential considerations for education and policy stakeholders.
Risks in Artificial Intelligence

Risks arise because of how AI is built, who participates in design and testing, lack of disclosure, how it is evaluated, “wild west” free of regulation, and more...
Researcher Spotlight

Timnit Gebru, Founder & Executive Director at The Distributed AI Research Institute (DAIR)

“...is a fierce voice of clarity about both the limits and the possibilities of AI, warning us about what can go wrong when power goes unchecked in the tech industry. She offers us hope for justice-oriented technology design, which we need now more than ever.”

- Dr. Safiya Noble in Times 100
Leading Scholars

Meredith Broussard  Ruha Benjamin  Ryan Baker  Deborah Raji  Marcelo Worsley  Safiya Noble

Margaret Mitchell  S. Craig Watkins  Timnit Gebru  Joy Buolamwini  James Lester  Sasha Costanza-Chock  Cathy O’Neil
Pasco’s sheriff uses grades and abuse histories to label schoolchildren potential criminals.

The kids and their parents don’t know.
Discussion

What is your experience when it comes to equity and ethics as it applies to AI in your work?

What supports do you think you need to address these issues in your work (tools, resources, ideas)?
Summer Discussion Series

Remaining Sessions

August 2nd: Social Robotics
August 15th: Learning and Productivity

Everyone is welcome!
Additional Information
Thank you & How to Share This Presentation

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