

Equitable and Ethical Practices and Interactions

Thursday, July 27th,
2023



CIRCLS

Center for Integrative Research in
Computing and Learning Sciences

Welcome! Please introduce yourself in the chat:

- Name, Role, Institution/Organization



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EngageAI
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UNIVERSITY

SRI Education



Digital
Promise

Introductions



Kip Glazer



Sarah Burriss



Pati Ruiz

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?

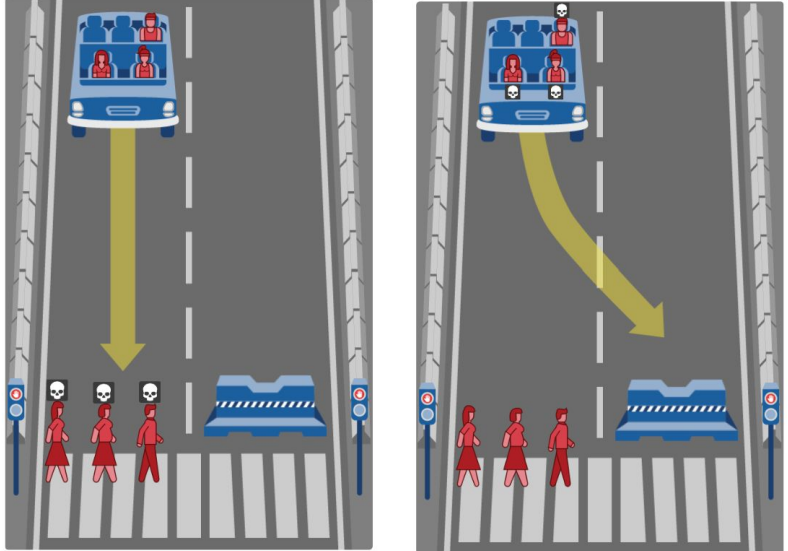
- Philosophical definition and discipline
- Applied definitions
- Common practices, concepts, and frameworks

MORAL MACHINE

Home Judge Classic Design Browse About Feedback En

What should the self-driving car do?

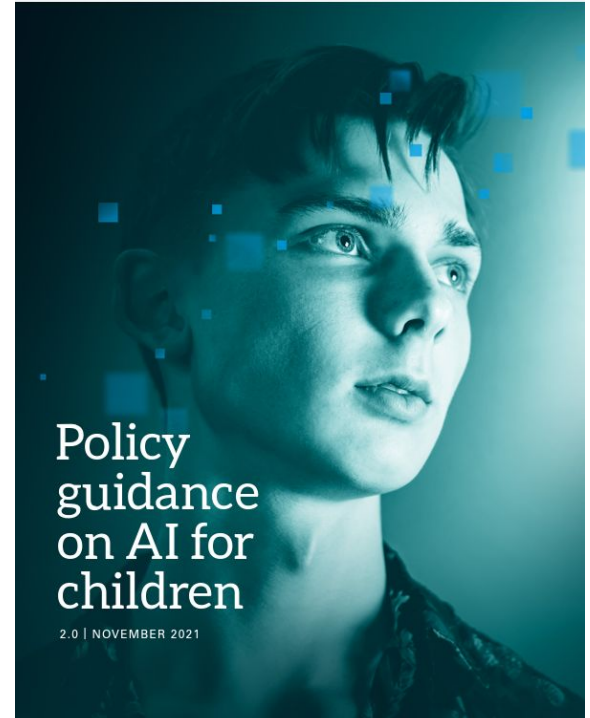
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Show Description

Show Description

Some AI Ethics Frameworks/Tools



unicef | for every child



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

NOTICE AND EXPLANATION

A SIMPLIFIED VERSION OF THE FOURTH PRINCIPLE ON THE BLUEPRINT FOR THE AI BILL OF RIGHTS

DESCRIPTION

USERS SHOULD KNOW...

- WHO IT WORKS WITH
- WHAT IMPACT IT HAS
- WHEN IT WOULD BE USED

THE EXPLANATION SHOULD...

- KEEP UP TO DATE
- BE SIMPLE
- BE ACCESSIBLE

EXAMPLES

CHATGPT:

- IS OPEN ABOUT CHANGES AND PURPOSE

LANSCHOOL AIR:

- HIDES DATA USAGE

WHY IT'S IMPORTANT

- AI IS COMPLEX, SO A SIMPLE EXPLANATION IS VITAL
- USERS SHOULD KNOW IF AI IS MAKING DECISIONS
- PROTECTS USERS FROM UNINTENTIONAL FLAWED DECISIONS FROM AI.




FIG. 1. CHAT GPT LOGO



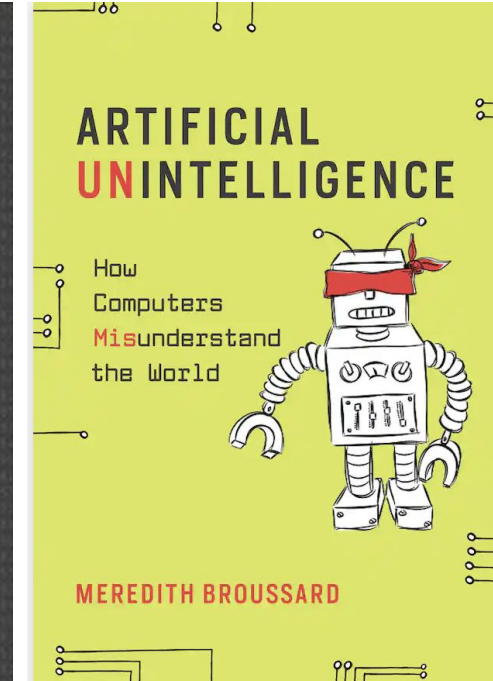
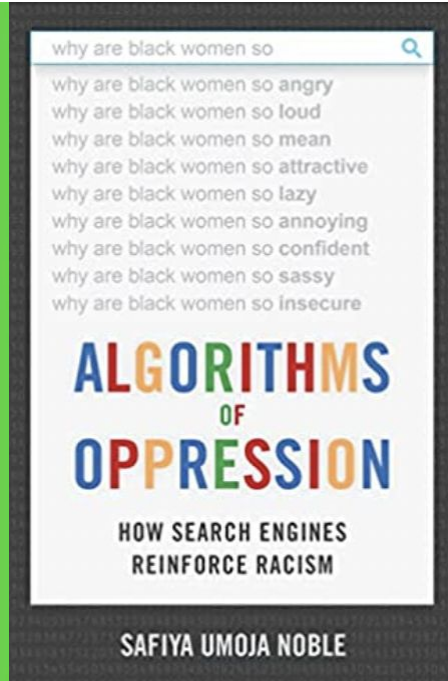
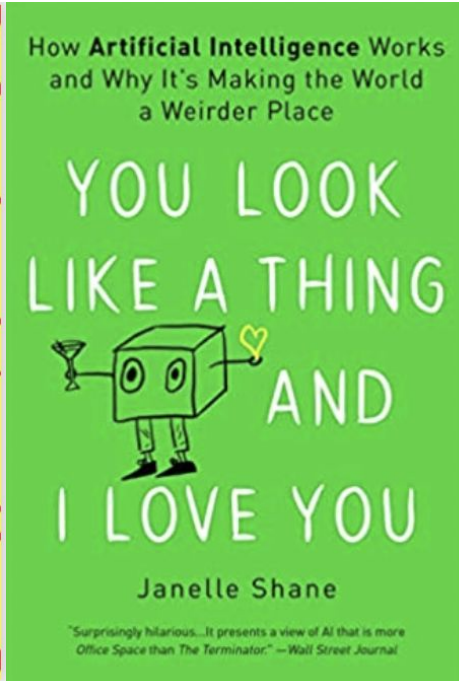
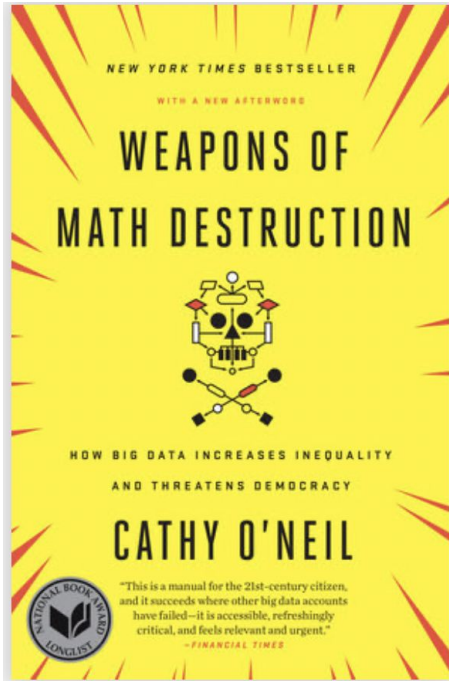


FIG. 2. LANSCHOOL AIR LOGO



Equity in AI

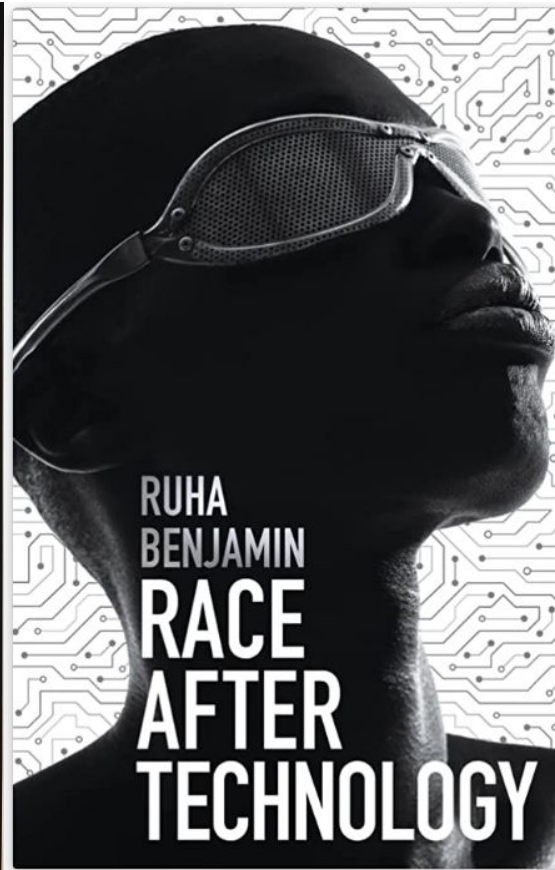
Reading List



More than a Glitch

< Confronting Race, >
< Gender, >
< and Ability Bias >
< in Tech >

Meredith Broussard





**Human-Generated
Content**

**AI-Generated
Content**

**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



Office of Ed Tech

Apr 4, 2022 · 6 min read · Listen



AI and the Future of Teaching and Learning: Defining Artificial Intelligence



[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

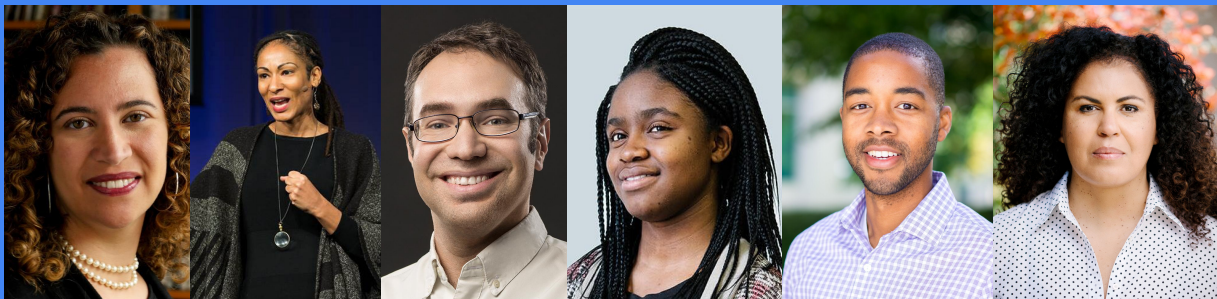
Timnit Gebru, Founder & Executive Director at The Distributed AI Research Institute (DAIR)

“...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



Tampa Bay Times

Pasco's sheriff uses grades and abuse histories to label schoolchildren potential criminals.

The kids and their parents don't know.

Targeted | A Times investigation

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

&

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