



DESIGN MAKE PLAY • New York Hall of Science

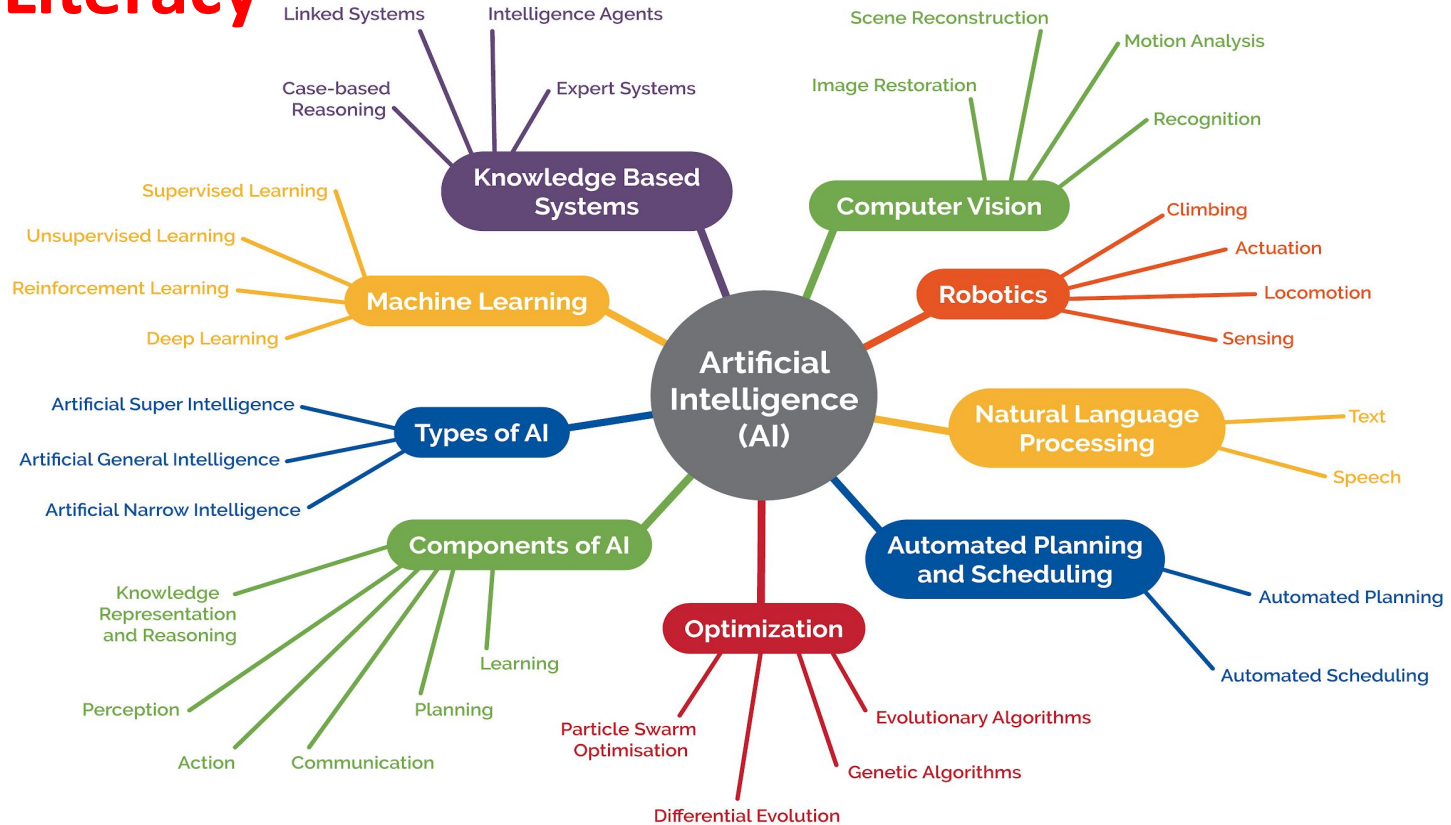
REVISE: Webinar AI Literacy in Informal Settings
December 2, 2025

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Why Human-centered AI Literacy? Why Informal Learning?

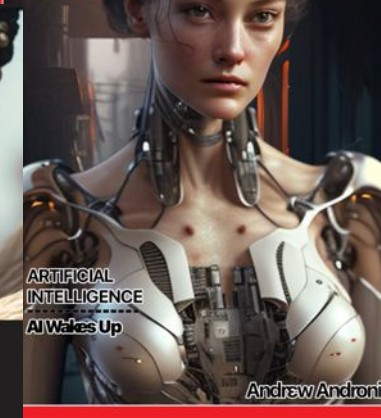
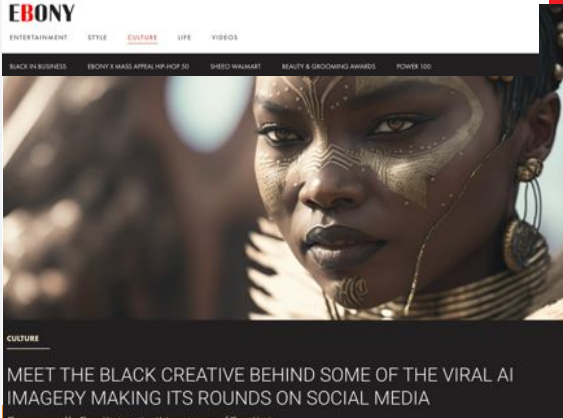
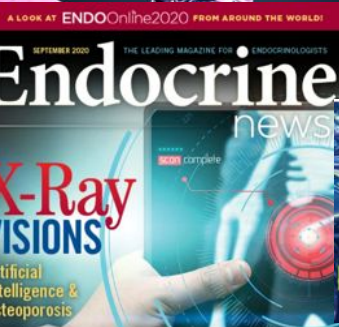


AI Literacy



Courtesy of Pati Ruiz NSF Talk

Regona, Massimo & Yigitcanlar, Tan & Xia, Bo & Li, R.Y.M.. (2022). Opportunities and Adoption Challenges of AI in the Construction Industry: A PRISMA Review. Journal of Open Innovation Technology Market and Complexity. 8. 45. 10.3390/joitmc8010045.



Human-centered AI

(How can we) amplify, augment, and enhance human abilities, so as to empower people, build their self-efficacy, support creativity, recognize responsibility, and promote social connections

Ben Schneiderman (2022)



Our Approach: Fostering Human Agency With AI

AGENCY in USING AI

- Data literacy
- Proficiency with AI Tools
- Understanding what AI is and where it shapes daily living
- Prompt engineering skills
- Learning how machines perceive the world and the ways humans think

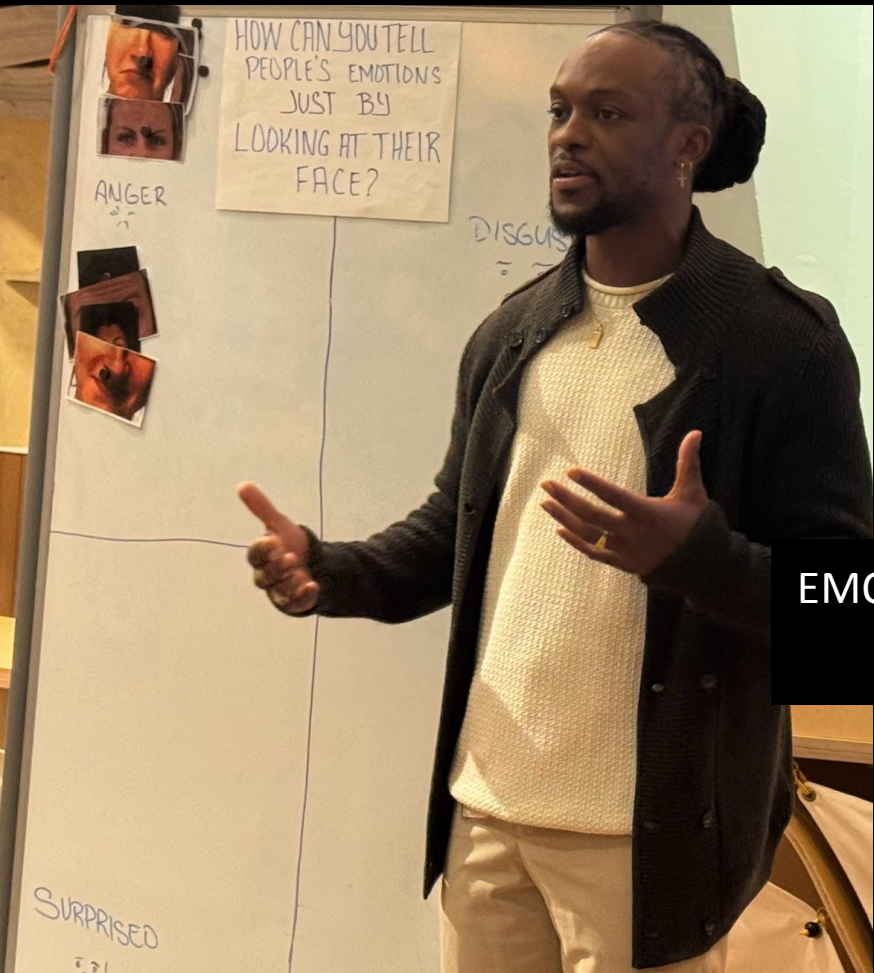
AGENCY in INTERROGATING AI

- Build awareness of bias in AI and how to unearth it
- Understand why diversity in AI matters (in data, training, etc.)
- Consider the role AI should and should not have in our lives
- Learn about the way machines perceive the world and the way humans think

AGENCY in DESIGNING WITH AI

- Reimagine how AI can meet community/human needs
- Expand notions of who can contribute to AI and why that is important
- Build capacity to design with AI for creative expression or influence designs of the future

Interactive Conversation Starters on the Museum Floor



**EMOTION DETECTORS:
Humans vs AI**





WHERE SHOULD THIS BE USED?

GRAB A POST-IT?

WHY?

GRAB A POST-IT!

Therapy Centers / Schools

NO

Emergency centers
or during times
of crisis
Yes

NO

No

Emotions

Tracking is
a very dangerous
slope of privacy
breaches

In places for fun
rather than serious like
police stations or like
the airport because
it can be surveillance

I believe this device should
be used in hospitals maybe.
Having the temperature
feature would be a great
way of knowing whether
it's safe for a person to come
or not.

should only be used
in reference with human aid,
as an assistant, possibly for
those aspects regarding
that occurs for a large
population

Teaching younger kids
or people with needs
how to understand
facial cues & emotions
? needs lot of work

For Educational
Purposes

Hospitals

Nowhere
(in my opinion)

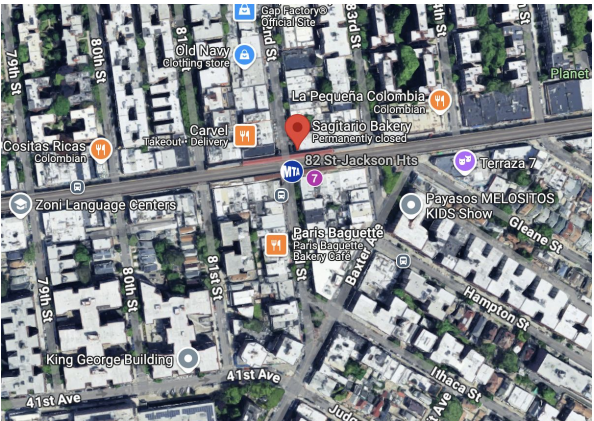
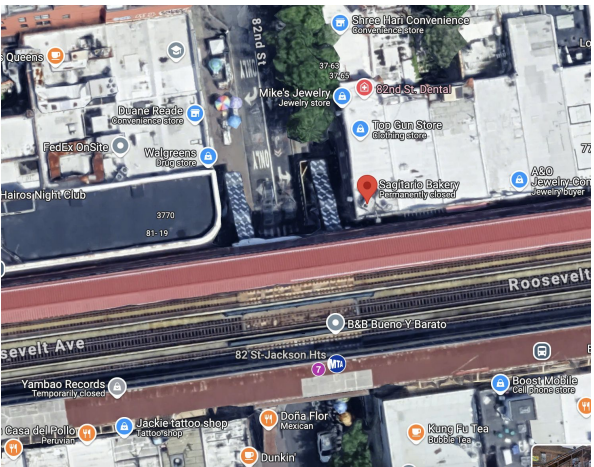
yes!!

Extending Exhibits Through AI Enabled Storytelling





Using Generative AI for Personal Storytelling About City Experiences



Using AI for Neighborhood Block Studies

Emerging Design Principles for Human-centered AI ,

- Prioritize how AI can be designed to help us and not hurt us.
- Help people rethink their relationships to AI.
- Foster creativity and critical thinking while developing specific AI skills.
- Foster communities of care and repair when it comes to AI.
- Maintain joy, play, and exploration in learning about AI.
- Identify accessible, multilingual tools and resources



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