

AI Literacy Education at Oregon State University

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Fiesole Retreat, April 2025



Oregon State University
Libraries and Press

About OSU



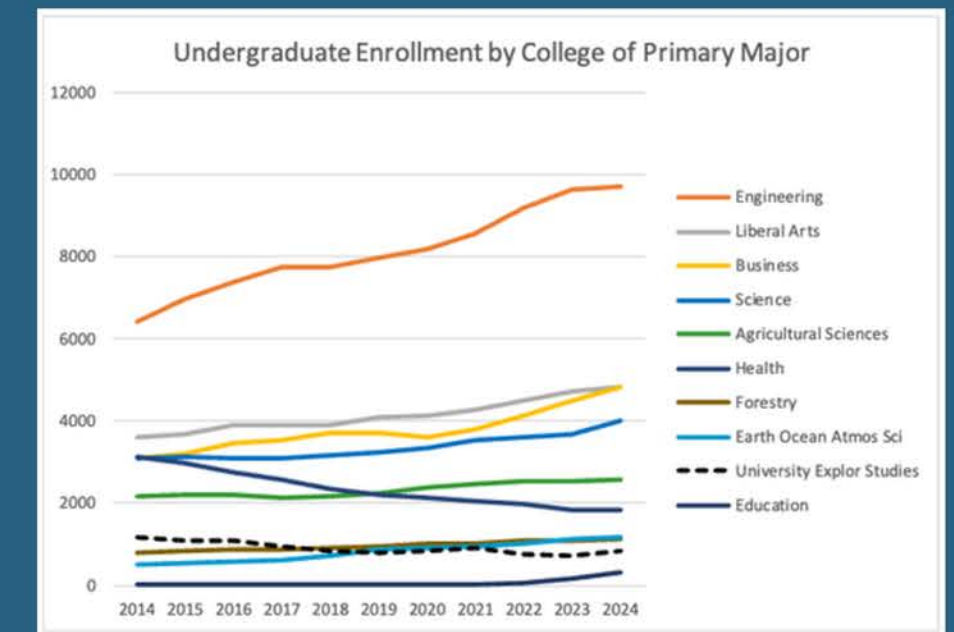
Main campus: Corvallis, Oregon

Total undergraduate students: 30,782

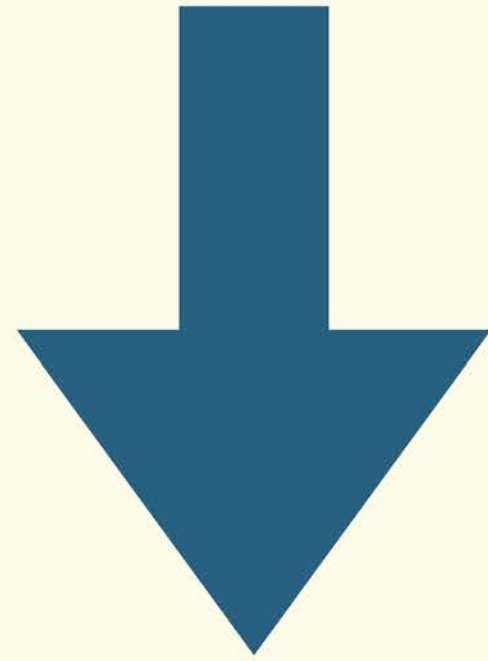
Total graduate students: 5,854

Top 10 online bachelor's programs

Graduate degrees in Artificial Intelligence



Information Literacy



AI Literacy

“Critical information literacy is a theory and practice that considers the sociopolitical dimensions of information and production of knowledge, and critiques the ways in which systems of power shape the creation, distribution, and reception of information.”

Drabinski and Tewell

“General AI literacy is humans' socio-technical competence consisting of knowledge regarding human and AI actors in human-AI interaction, knowledge of the AI process steps, that is input, processing, and output, and experience in AI interaction.” Pinski & Benlian

Instruction at OSU Libraries

AI Literacy: Librarian-Taught Classes for Credit

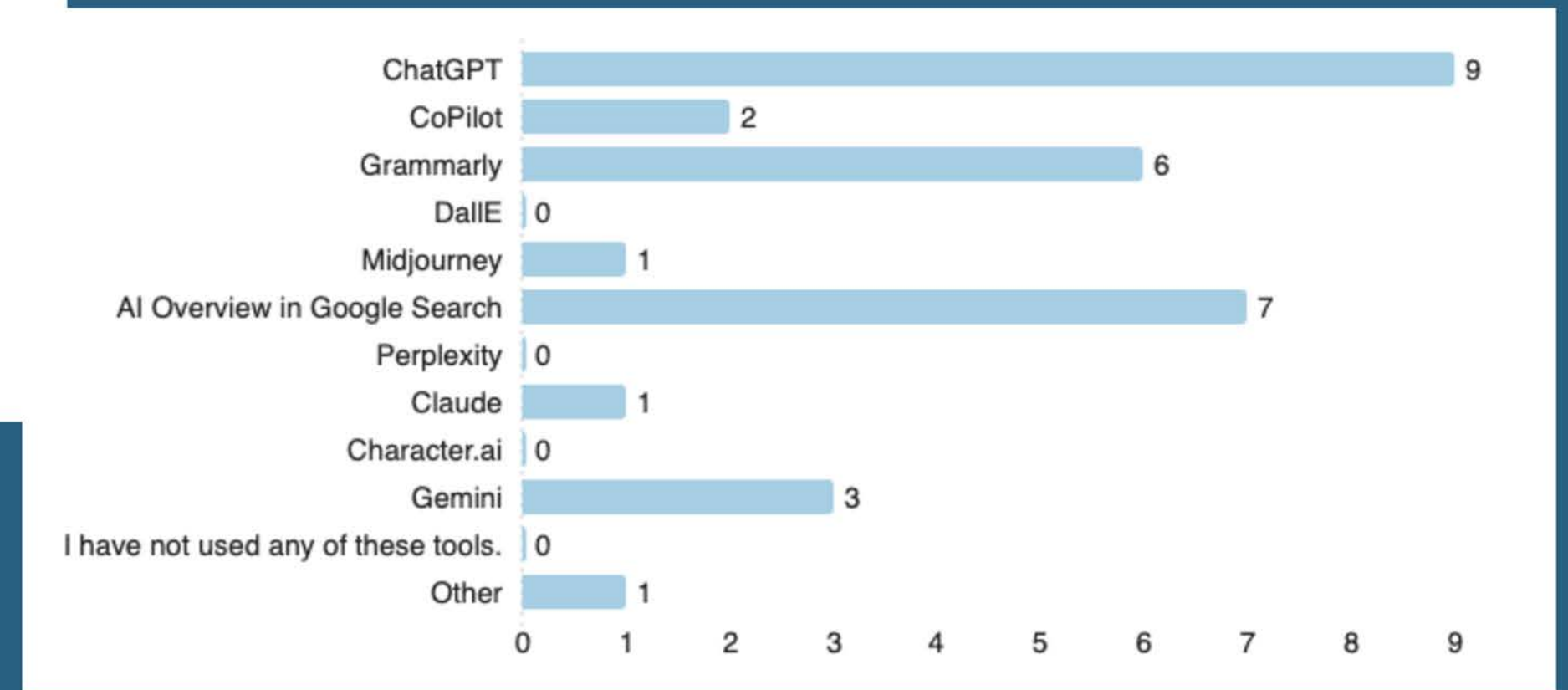
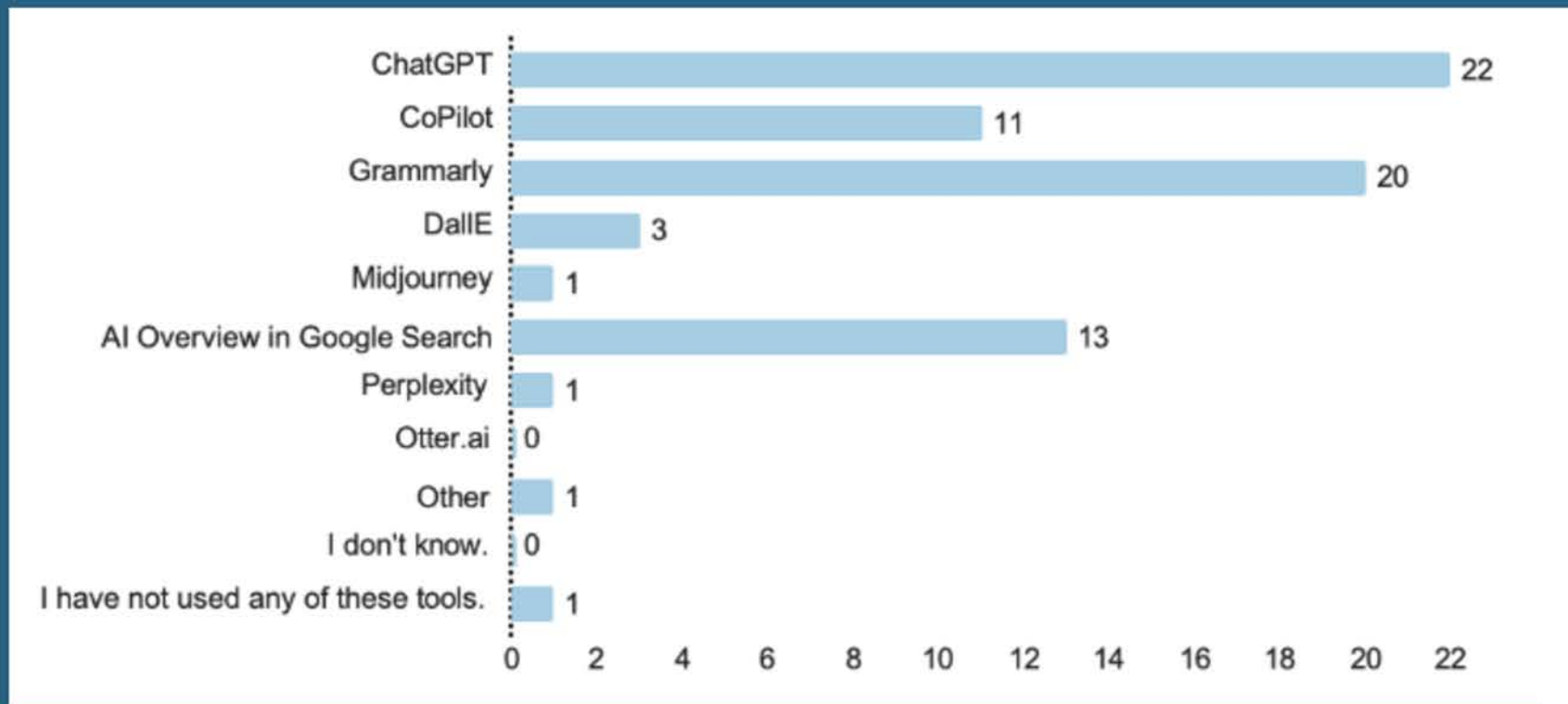
- *Generative AI & Society*, colloquium for undergraduate Honors students.
- Two librarians are developing a course for graduate students.

Generative AI & Society

- 1: Welcome & AI Ethics
- 2: Generative Text & Writing
- 3: Academic and Professional Writing
- 4: Generative Images
- 5: Facial Recognition and Data
- 6: Deepfakes
- 7: Guest Speaker Anna Guasco (Whales! Climate change)
- 8: AI in the News
- 9: Guest Speaker Kiri Wagstaff (NASA! Government policy)
- 10: AI and the Future



Pre-survey: Have you used any of these generative AI tools (once or more)?



Would you recommend this course and instructor to other honors students?


Yesssss! I am an interior design major while most of my classmates were computer science or business, and I think it's an important topic for any major. AI is growing everyday and people should be aware of what is happening.

AI Literacy: Outside of Class

- Workshops focused on AI tools for literature reviews (Example: Elicit and Scite).
- Libguides

Generative AI Tools for Literature Reviews

[Comparison of AI Literature Review Tools](#)[Using Generative AI in Research](#)[Citing & Acknowledging AI](#)[Ethical Principles](#)



Hannah Demer

COMPARISON OF AI TOOLS FOR LITERATURE REVIEWS

There are a growing number of AI tools available to support different parts of the literature review process, including generating new keyword ideas, providing context for citations, summarizing sources, and creating visualizations of the connections between sources. We chose to review tools that fit the following criteria:

- free/freemium tools that are available to everyone in the OSU community,
- have a clear connection to the literature review research process

Our rating of these tools included considerations of their usefulness and transparency.

As the AI tools landscape is fast-changing, we will work to keep this table up-to-date, but feel free to contact us with corrections or to ask more questions.

Table last edited on September 20, 2024

	Scite Browser Extension Badge	Elicit	Semantic Scholar	Lateral	Research Rabbit
Access & Fees	The extension is free, but the fully featured version of Scite is \$20/month.	Free version allows for unlimited search of 4 papers at once.	Free.	500 page uploads free ~\$12.59/month for premium.	Free

Generative Artificial Intelligence (GenAI) and Ethics

[Ethical Principles](#)[Definitions](#)[Emerging field of study](#)[Video: Ethics of AI](#)

[Books](#)[Journals](#)[News](#)[Citing Generative AI](#)[Nonprofit Organizations](#)[Copyright](#)[Video Training](#)

DEFINITIONS

Generative artificial intelligence (GenAI) is a type of machine learning. It refers to machine-learning models that use neural networks to train on vast amounts of data. After training (i.e. learning) the models then produce novel output based on their training sets, much like advanced auto-complete.

Ethics refers to both moral principles and to the study of people's moral obligations in a society.

EMERGING FIELD OF STUDY

AI Ethics is an emerging field. As a result, there is considerable debate about what constitutes ethical AI. However, a recent analysis of national and international AI policies and guidelines found convergence around five ethical principles: transparency; justice, fairness, and equity; non-maleficence; responsibility and accountability; privacy.

Transparency

AI systems and processes should be open and clear about how decisions are made, including disclosing the data, algorithms, and assumptions behind their functionality, to ensure trust and accountability.

Justice, Fairness, and Equity

AI systems should not perpetuate bias or discrimination, and they should be designed to treat all individuals and groups equitably, addressing and mitigating any unfair outcomes.

Non-maleficence

AI systems should not be harmful to individuals or society, and the systems should avoid causing any unintended negative consequences.

CONTACT A LIBRARIAN

If you have questions about this guide, please direct them to Laurie Bridges, Instruction and Digital Initiatives Librarian.

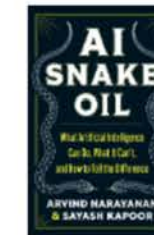
AI Literacy: Outside of Class

- Increased the number of books about AI and ethics.
- Book display summer of 2024.

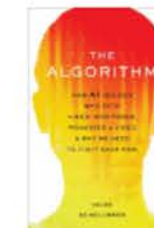
BOOKS IN THE LIBRARY



AI Ethics by Mark Coeckelbergh
ISBN: 9780262538190
Publication Date: 2020-04-07



AI Snake Oil by Arvind Narayanan; Sayash Kapoor
ISBN: 9780691249131
Publication Date: 2024-09-24



The Algorithm by Hilke Schellmann
ISBN: 0306827344
Publication Date: 2024-01-02



As If Human by Nigel Shadbolt; Roger Hampson
ISBN: 9780300268294
Publication Date: 2024-05-14

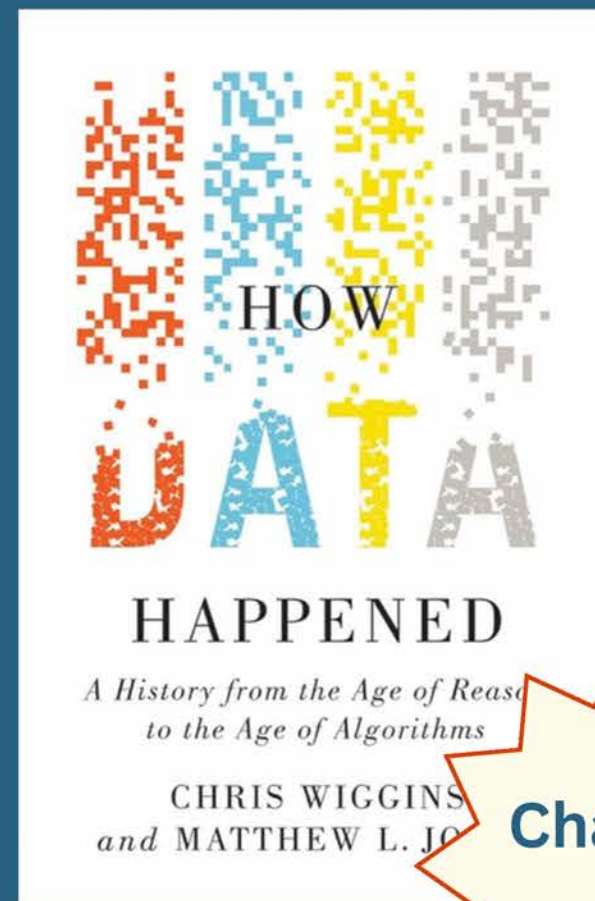
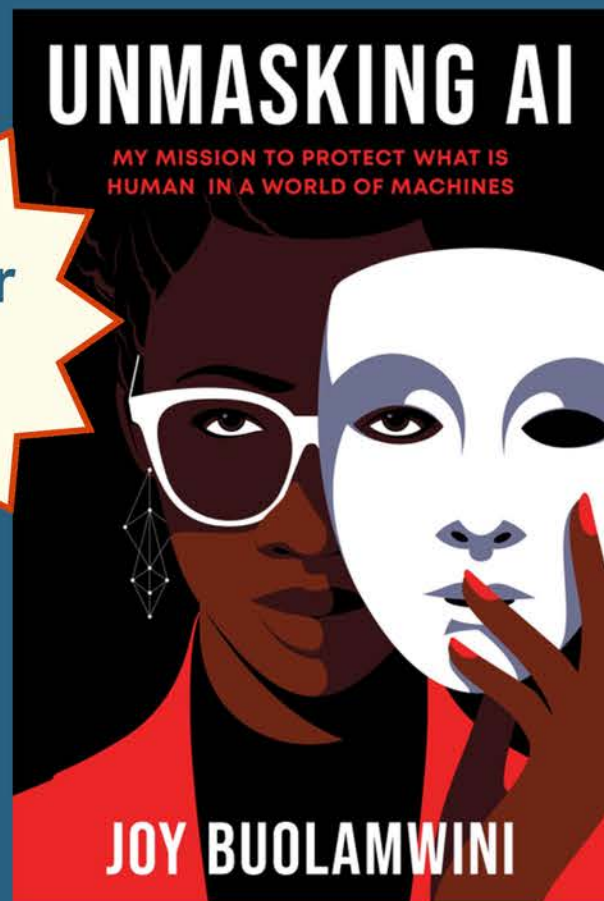


Atlas of AI by Kate Crawford
ISBN: 9780300264630
Publication Date: 2022-08-16

AI Literacy: Outside of Class

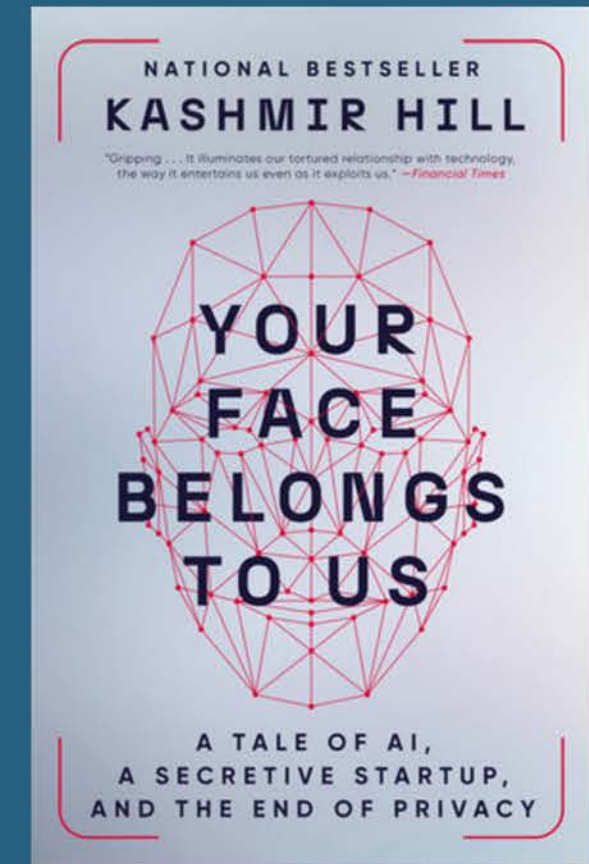
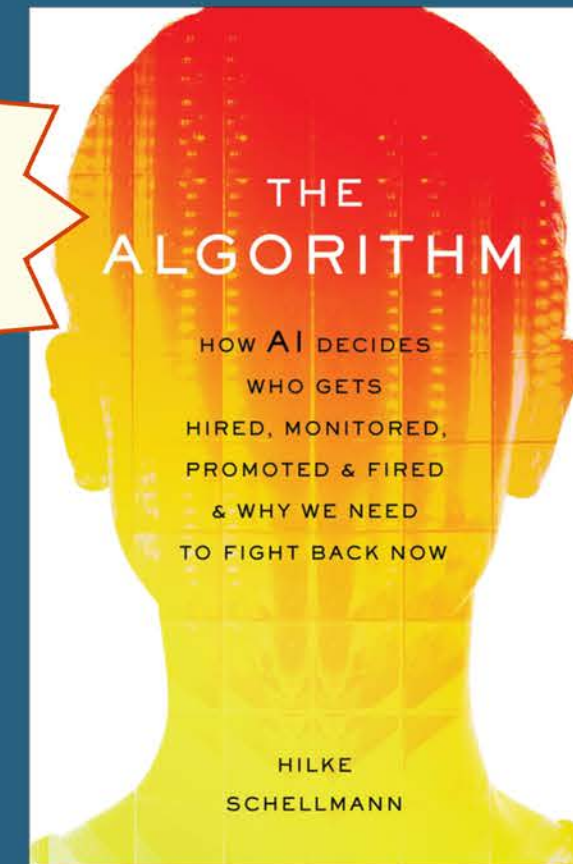
- Quarterly “AI Coffee Klatch” Bookclub
 - Read one pre-selected chapter

Chapter
6



Chapter
1

Next
Books



AI Literacy Center @ OSU

Timeline

- Inspired by the University of Calgary's Centre for Artificial Intelligence Ethics, Literacy, and Integrity.
- Planning began Fall 2024
- Partnership between OSU Libraries and the OSU Center for Teaching and Learning
- Proposal approved April 2, 2025

More information...

- Virtual Center
- Laurie Bridges, Librarian, Director
- CTL staff, Associate Director
- Affiliate faculty
- Center fellows



Humanities Fellowship: Critical AI Literacy.

1) Demonstrating the Importance of the humanities in campus conversations about the ethical use of AI, and 2) Increasing critical AI literacy within the OSU community.

Summer Humanities Teaching Innovation Fellowship: AI Literacy.

Supports the development of new, humanities-based lessons or learning materials as Open Ed Resources.

Thank you!

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