

# Artificial Intelligence in Education: Ownership, Ethics, and the Future of Knowledge

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The future of learning.

# AI Criticism: Ethical Problems

- **Data Usage:**

Data scraped no permission/acknowledgment

- **IP Infringement is NOT**

Authors work scraped

**Problems for publishers NOT academics**

- **Informed Consent:**

- Authors are unaware of how their data is utilized

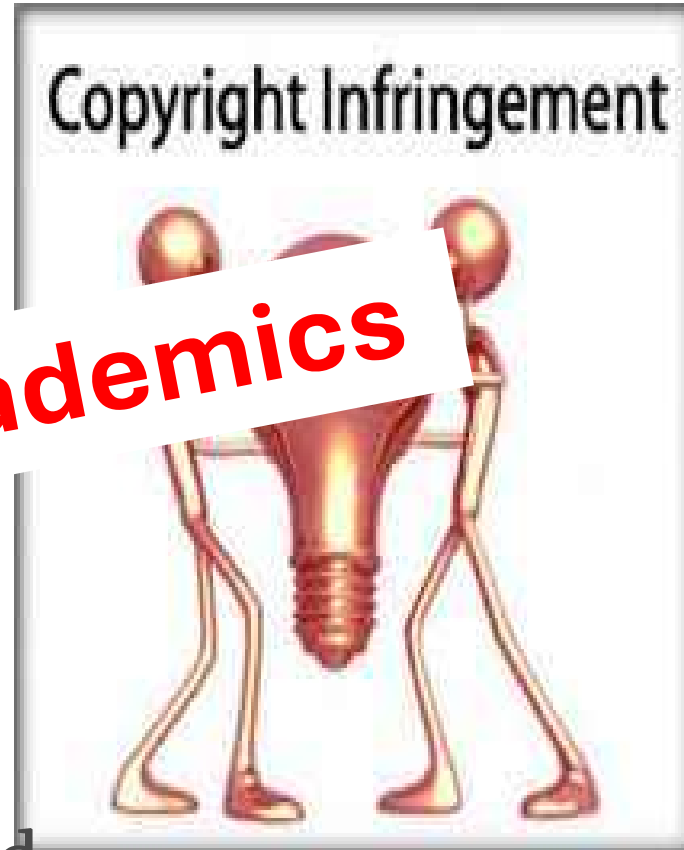
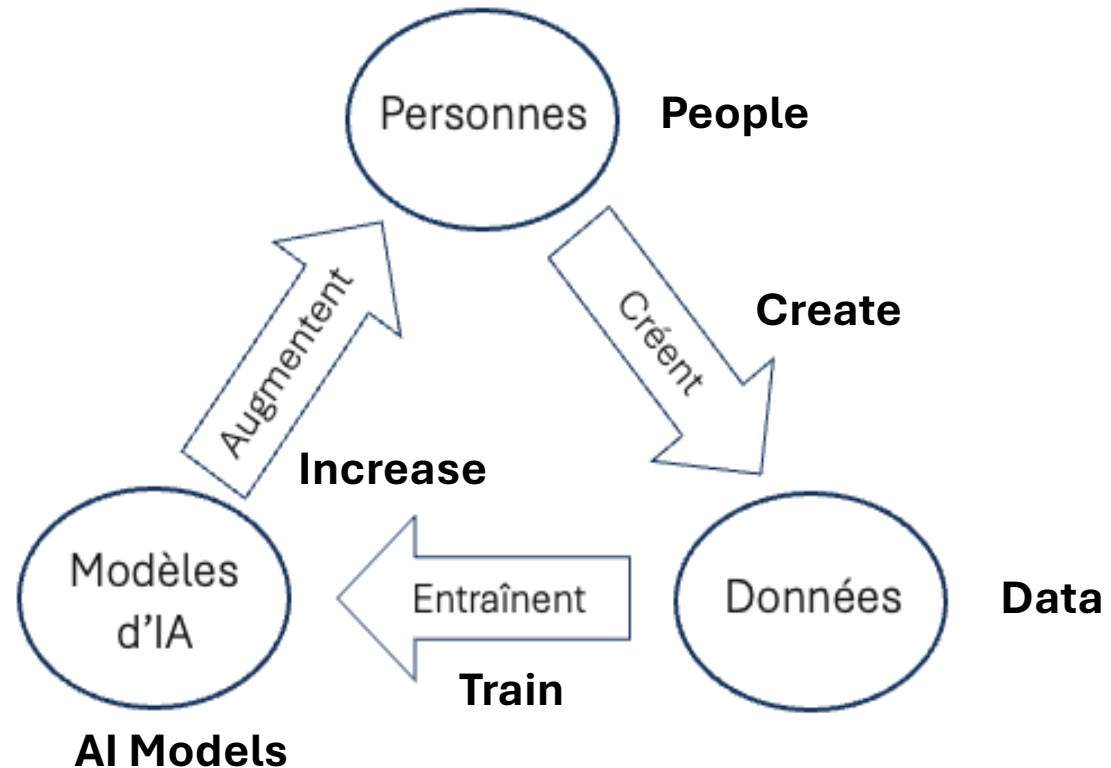


Image: Pleadors

# Pierre Levy's New Information Ecosystem

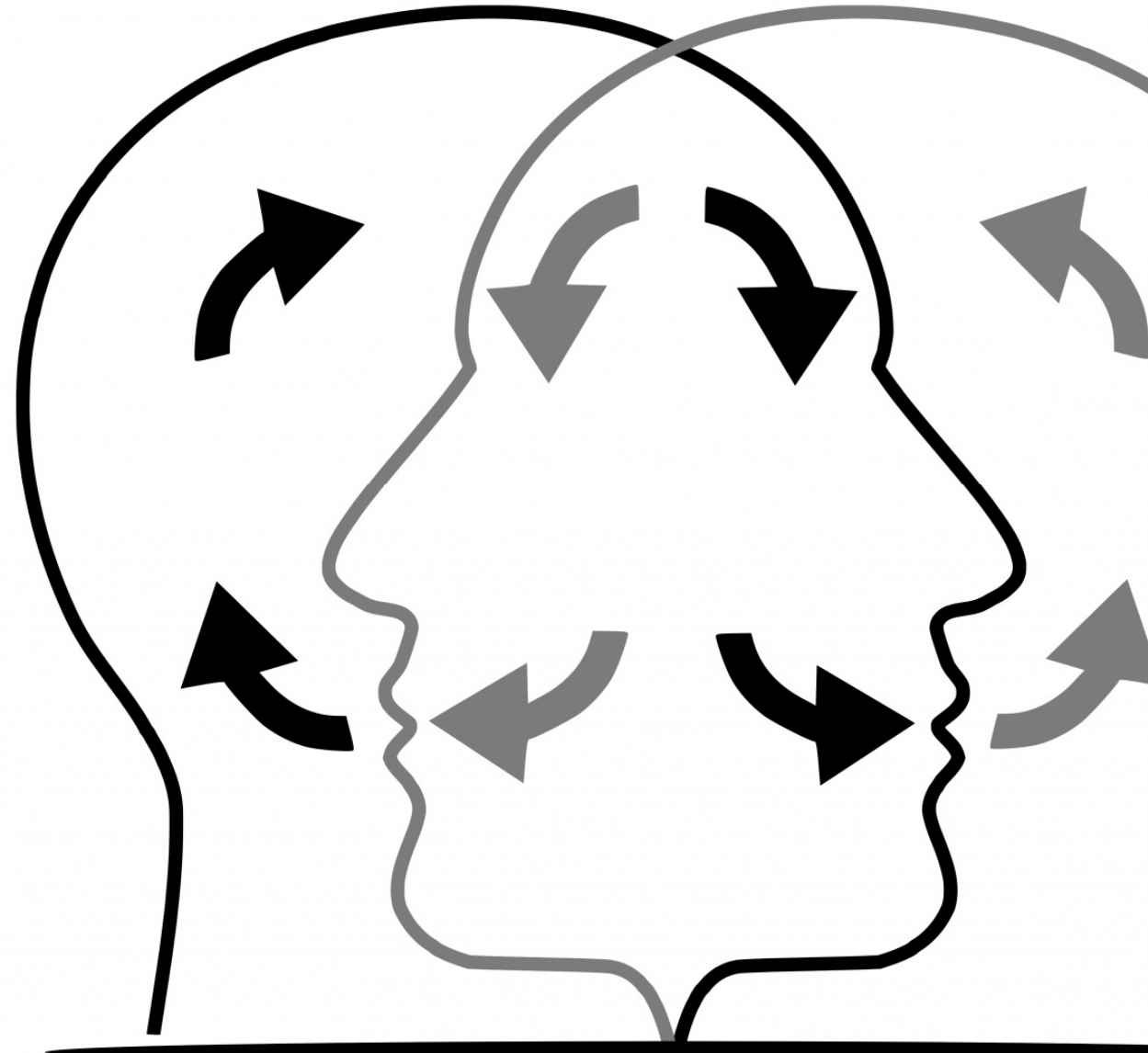
LE NOUVEL ÉCOSYSTÈME INFORMATIONNEL

“... ethical problems cannot be limited to models but that they must extend to the creation of the data that drives them, that is to say to all of our online behavior.”



# AI Criticism: Empathy & Connection?

- **Absence of Empathy:**  
No emotional intelligence & compassion
- **Erosion of Human Connection:**  
weakened human relationships
- **Could replace interpersonal engagement**
- **Corporate Values**





**If Empathy and Connection  
are so important, why don't  
our institutions implement  
them?**

**Some teachers are empathetic.  
Others are not so empathetic.**

# Review of LLM Qualitative Research at the London School of Economics

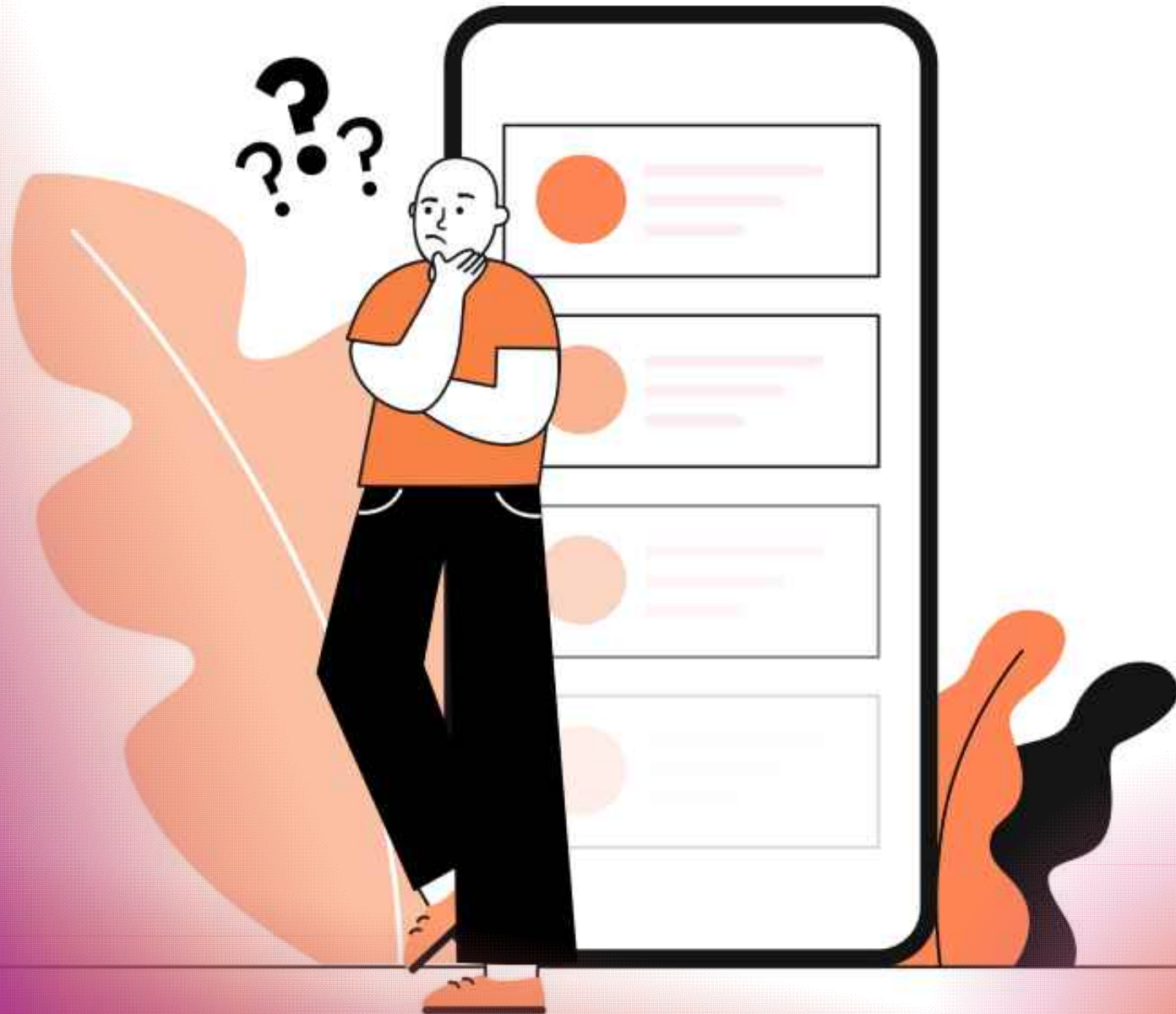
**“participants preferred interacting with a conversational agent perceived as a non-judgmental entity, rather than a human interviewer”**

**“Large language models (LLMs) offer an opportunity to conduct interviews at scale, thereby creating a bridge between the richness of qualitative data and the statistical power of quantitative data.”**

**“The AI-led interviews were rated approximately comparable to an average human expert (under the same conditions)”**



THE LONDON SCHOOL  
OF ECONOMICS AND  
POLITICAL SCIENCE ■

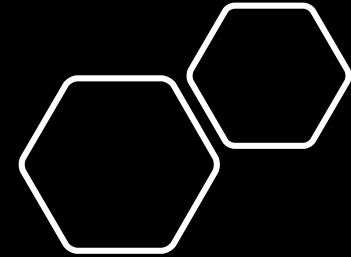


## **AI Criticism: Dependency?**

- **Technological**
- **Critical Faculties**
- **Passive recipients**
- **Erosion of Creativity**



**BUT Better Hole Diggers!**



A person using a backhoe to dig a hole will also be less skilled at digging them manually, will display less effort, and not build up digging muscles.

- Stephen Downes

# Argument for human creativity?

- Cannot match humans
- Limited by the data
- No personal touch
- No human understanding
- No human connection
- Humans have judgment
- Humans can consider impact
- Humans can be ethical
- Humans have values



Danish, A. G. (2024, Feb. 24). Why human writers have an advantage over AI writing tools. <https://www.linkedin.com/pulse/why-human-writers-have-advantage-over-ai-writing-tools-a-g-danish/>

Image: PublicDomainPictures

# AI Criticism: Creativity?



Vast majority of writing is NOT creative



Most writers



**LLM is what we humans use all the time.**  
**Creativity is very rare - E. Weinstein**

creative  
writers may want or need AI

CREATED BY VECTORPORTAL.COM

**People should judge whether they like the writing, NOT the writer.**

# AI Criticism: Cultural Issues?

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- **Western-Centric**
- **Linguistic Limitations**
- **Cultural Homogenization**



Image: Fredvanamstel


# AI Criticism: Environmental Issues?

- **Unsustainable Practices**
- **High Energy Consumption**  
*is falling/per unit*
- **Water Usage for cooling**



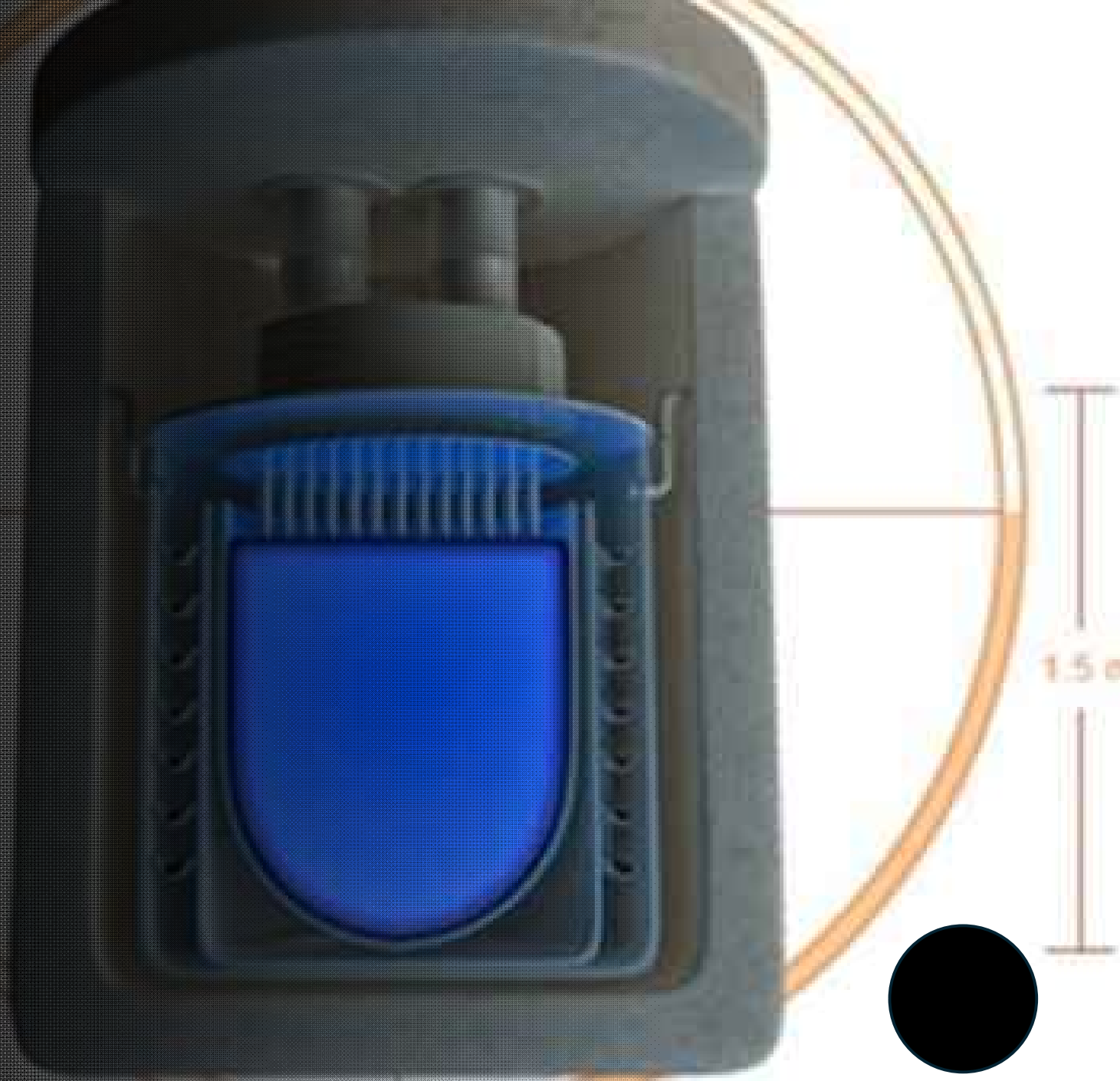
Image: FocoosAI

Iacono, C. (2025, July 11). When AI Becomes the Water We Swim In: The Invisible Revolution. *Hybrid Horizons*. <https://hybridhorizons.substack.com/p/when-ai-becomes-the-water-we-swim>



# SMALL MODULAR NUCLEAR REACTORS

IMAGE: NBC NEWS



# THE LARGE AI ISSUE

## Oligarchal Control?

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- Profit over ethics
- Surveillance
- Lack of transparency
- Monopolization of knowledge
- Stifling innovation
- Misuse of data
- Control over content

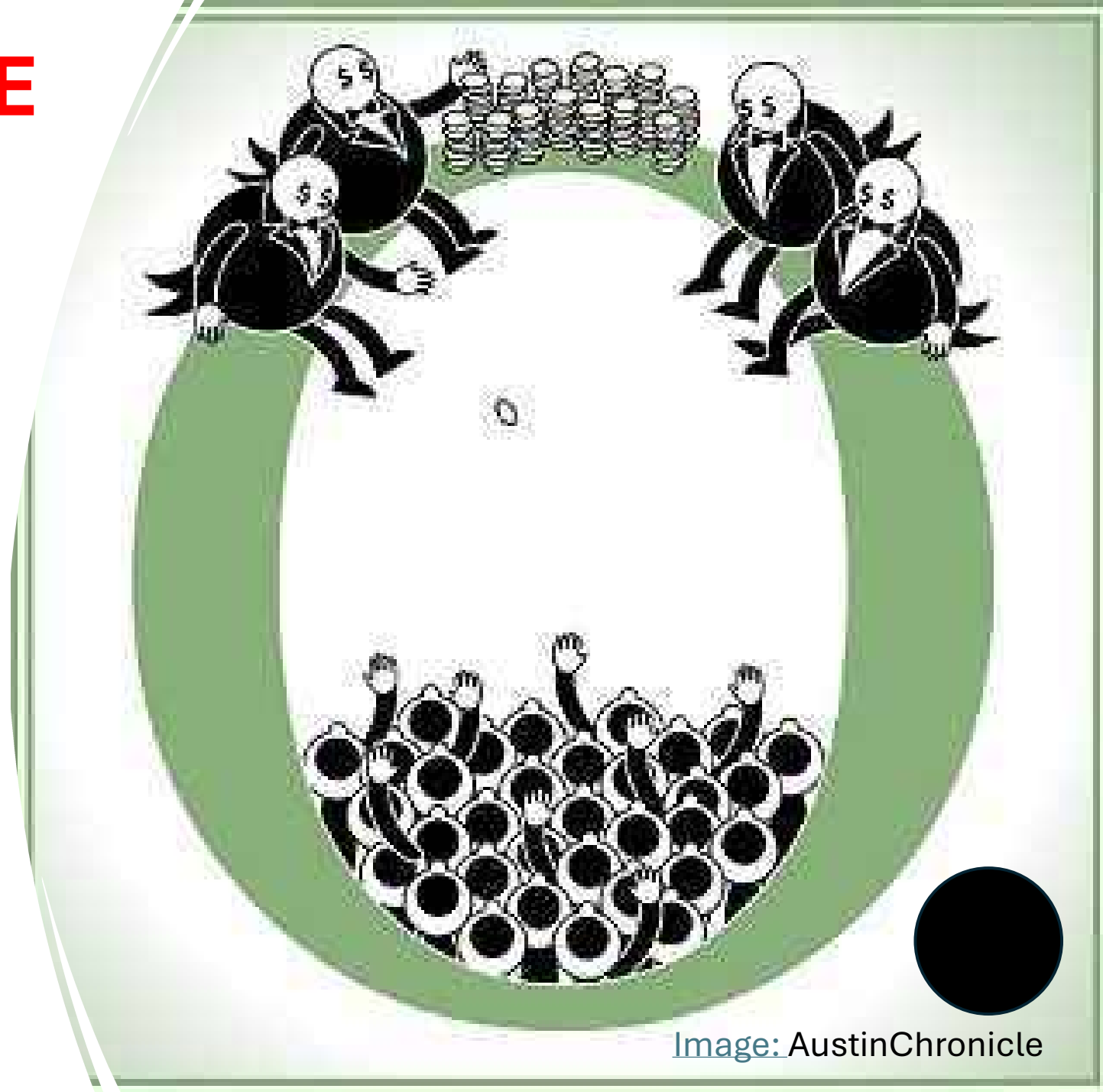


Image: AustinChronicle

# The Future

- "If you're handing in AI work, you're not actually anything different than a human assistant to an artificial-intelligence engine, and that makes you very easily replaceable. Why would anyone keep you around?" - *Lakshya Jain*



# Things will be smarter than we are

“Instead of devising ‘human-in-the-loop’ policies to prevent AI from running amok, we will devise *‘AI-in-the-loop’ policies* to help very fallible humans learn, think and create more effectively and more safely.”

[Stephen Downes](#)



Image: AI Guardian

Thank  
you



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*After using Generative AI (POE, Perplexity, ChatGPT) I reviewed and edited the content as necessary and take full responsibility for it.*