

Responsible use of Artificial Intelligence (AI) (e.g., ChatGPT) in Higher Education

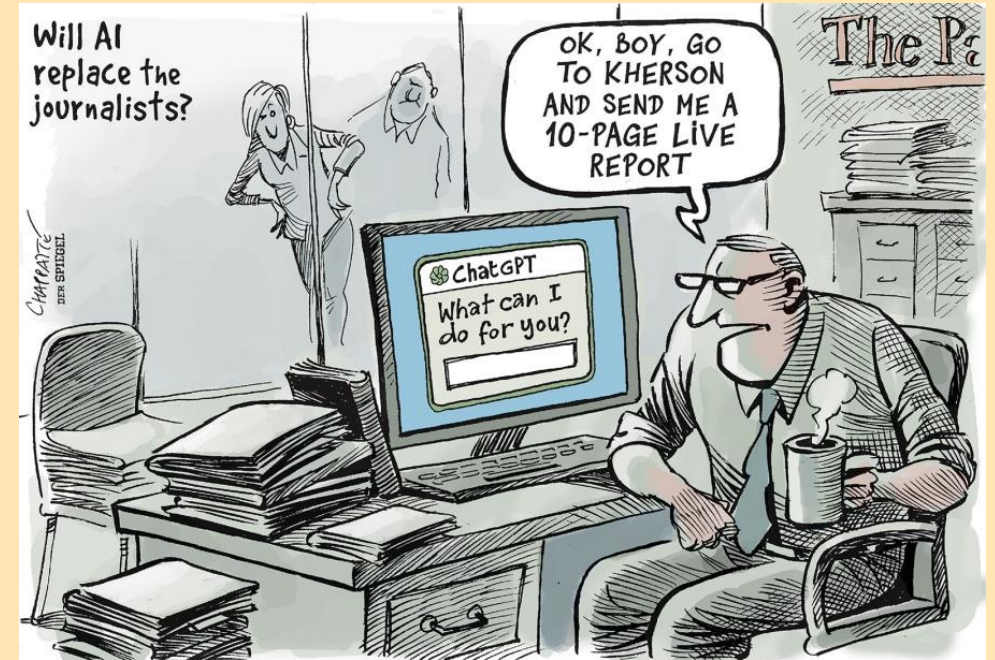
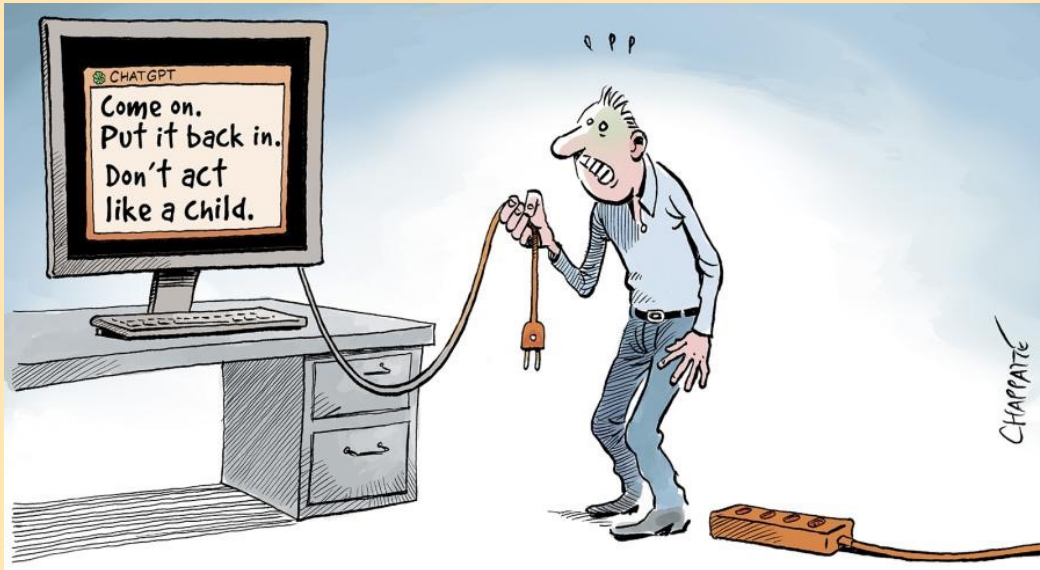
CHERPPS Learning and Teaching Day 2024

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Frontier AI – General Purpose AI model – Social and Economic Dimension

Do employer care about who gets a job done?

[Source](#)



Can artificial intelligence be stopped?

[Source](#)

Credit: [Anne-Florence Dujardin](#), Lecturer in Academic Practice

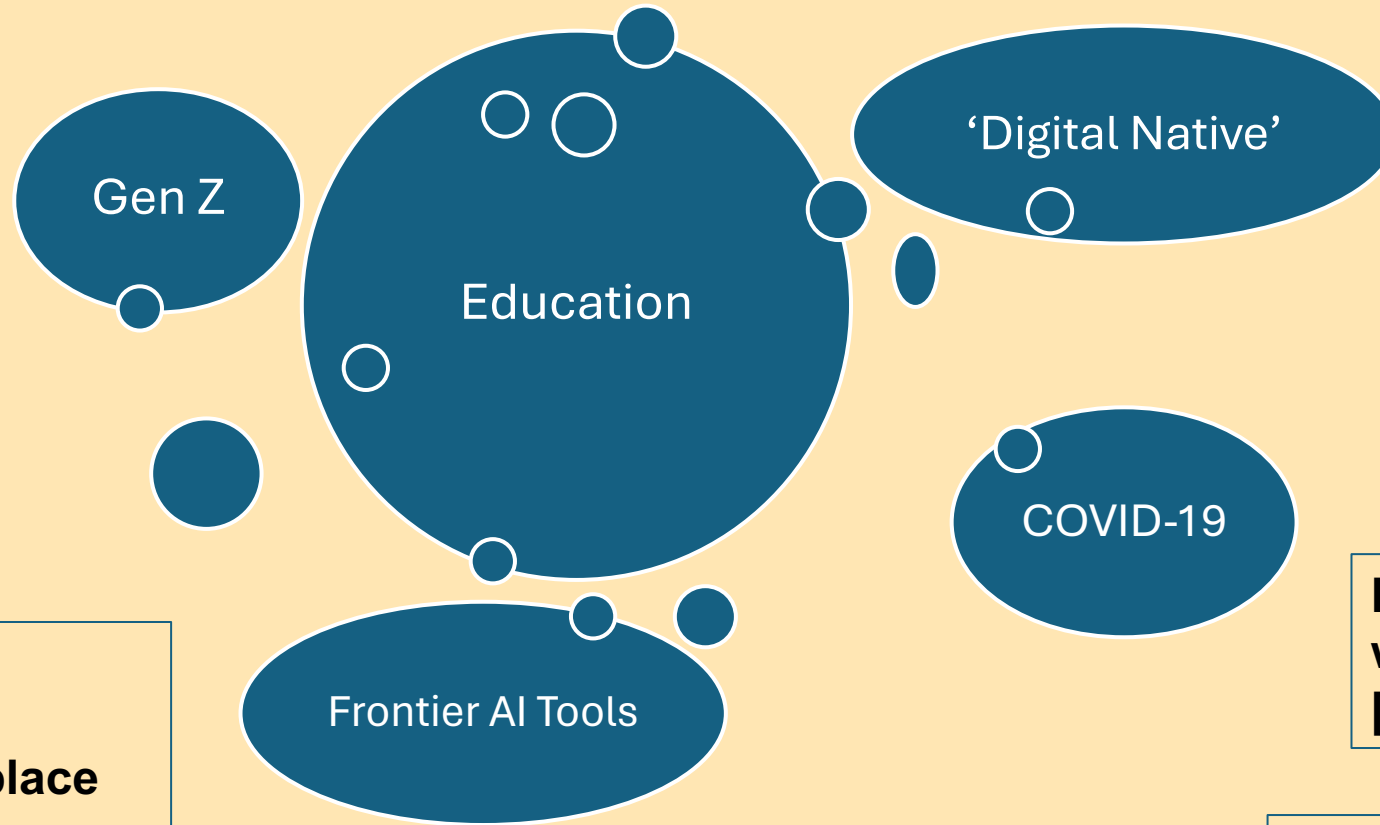
Frontier AI – General Purpose AI model – Challenges in HE

87% of companies reported skills gaps
[\[Source\]](#)

Exploring Artificial Intelligence Tool Use in a Nonprofit Workplace
[\[Source\]](#)

Preparing Future Technical Editors for an Artificial Intelligence-Enabled Workplace
[\[Source\]](#)

How Higher Education Is Becoming Increasingly Irrelevant [\[Source\]](#)



Pair Programming with ChatGPT
[\[Source\]](#)

Continuance Intentions
[\[Source\]](#)

Frontier AI – General Purpose AI model



Frontier AI in education – ChatGPT



Challenges -

Accuracy and Reliability

Bias and Fairness

Data Privacy and Security

Diverse Ethical Issues

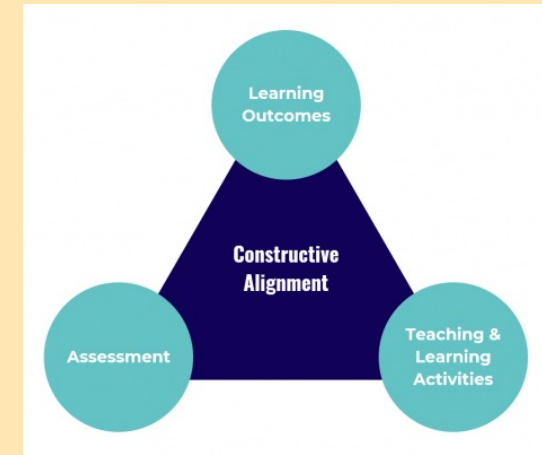
Dependence on Data and Algorithms

Economic Disparities

Integration with Traditional Teaching Methods (3)

Frontier AI – General Purpose AI model – Challenges in HE (3)

- Integration with Traditional Teaching Methods (**Constructive Alignment and Bloom's Taxonomy**)
 - **Integration/adapting with Curriculum and Pedagogy:** Aligning AI tools with existing curriculum goals and teaching methods requires careful planning. Teachers need to adapt lessons to effectively incorporate AI without compromising educational objectives.
 - **Effectiveness and Evaluation:** Assessing the effectiveness of AI tools in improving learning outcomes requires robust evaluation frameworks. Educators need evidence that AI enhances teaching and student achievement to justify its adoption.



[Source: Constructive alignment \(Biggs & Tang, 2011\)](#)

Knowledge Domain	The Cognitive Domain					
	Remember	Understand	Apply	Analyse	Evaluate	Create
Factual	List	Summarize	Classify	Order	Rank	Combine
Conceptual	Describe	Interpret	Experiment	Explain	Assess	Plan
Procedural	Tabulate	Predict	Calculate	Differentiate	Conclude	Compose
Metacognitive	Appropriate use	Execute	Construct	Achieve	Action	Actualize

[Source](#)

Responsible Adoption of AI in HE

Questions to the community and call for collaboration (**scan the QR code to participate**) →

1. Your recommendations are important - how can we adopt AI responsibly in higher education?
2. Are you interested in collaborating?
3. Are you interested in participating in an interview?

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AI in Teaching and Learning:
Responsible Adoption

