

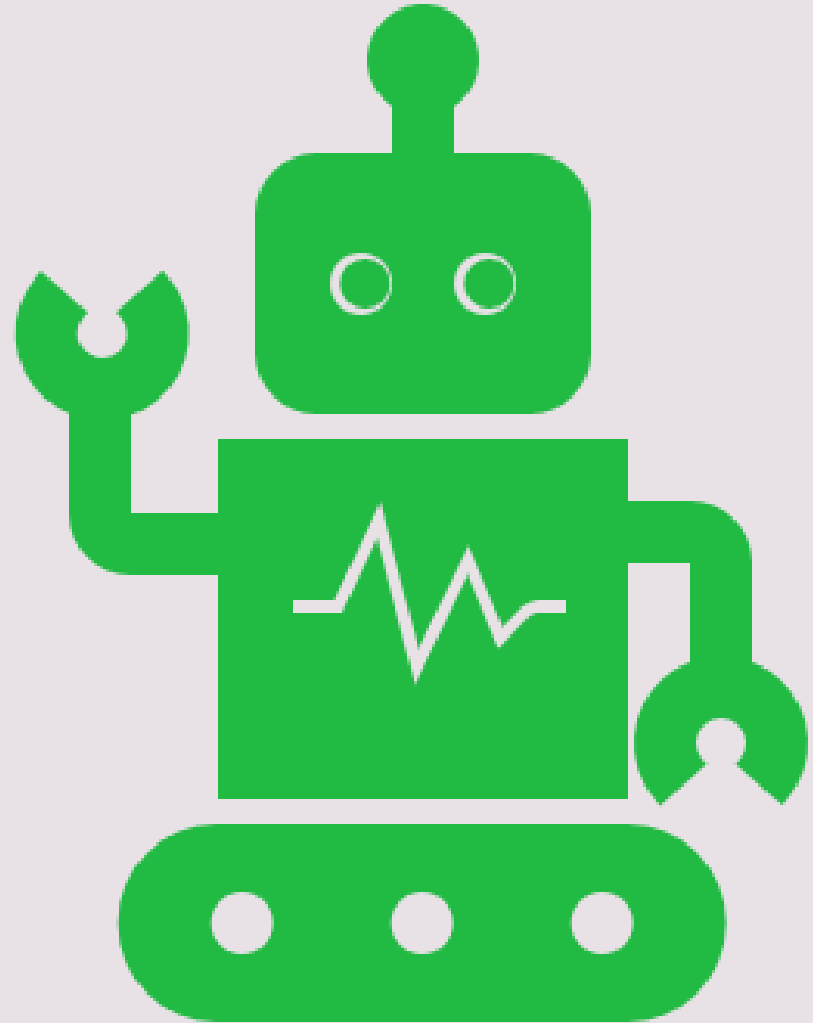
Not Going To Happen: Generative AI and Sustainability

By Raoul Nakad



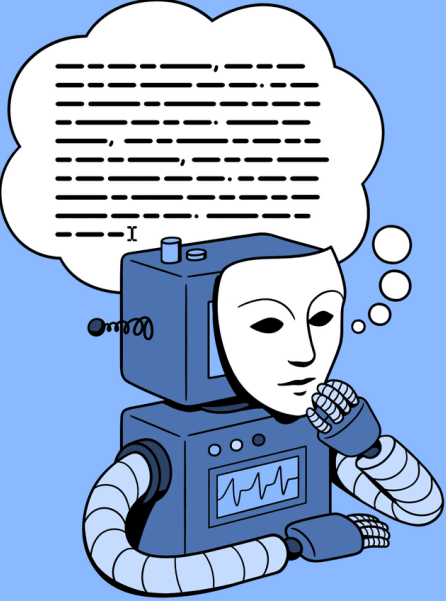
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Environmental Cost of making AI


-
- A model is required!
 - Costs of training (millions, electricity, water)
 - Exponential costs, diminishing returns



Large Language Model (LLM)

['lärj 'laŋ-gwij 'mä-də]

A deep learning algorithm that's equipped to summarize, translate, predict, and generate human-sounding text to convey ideas and concepts.

 Investopedia

The Cost of Maintaining AI

- Cost of fabricating equipment
- Exponential Electricity Demand!
- Data Centres Required!
- Electronic Waste (Mercury and Lead)
- Tremendous Water Consumption (coolant)



What for, really?

-
- Data and Privacy threats
 - Threat to Academic Integrity
 - Internet bots and AI content
 - World's Greatest Plagiarism Machine



Toxicity

Harmful or
discriminatory
language or content



Hallucination

Factually incorrect
content

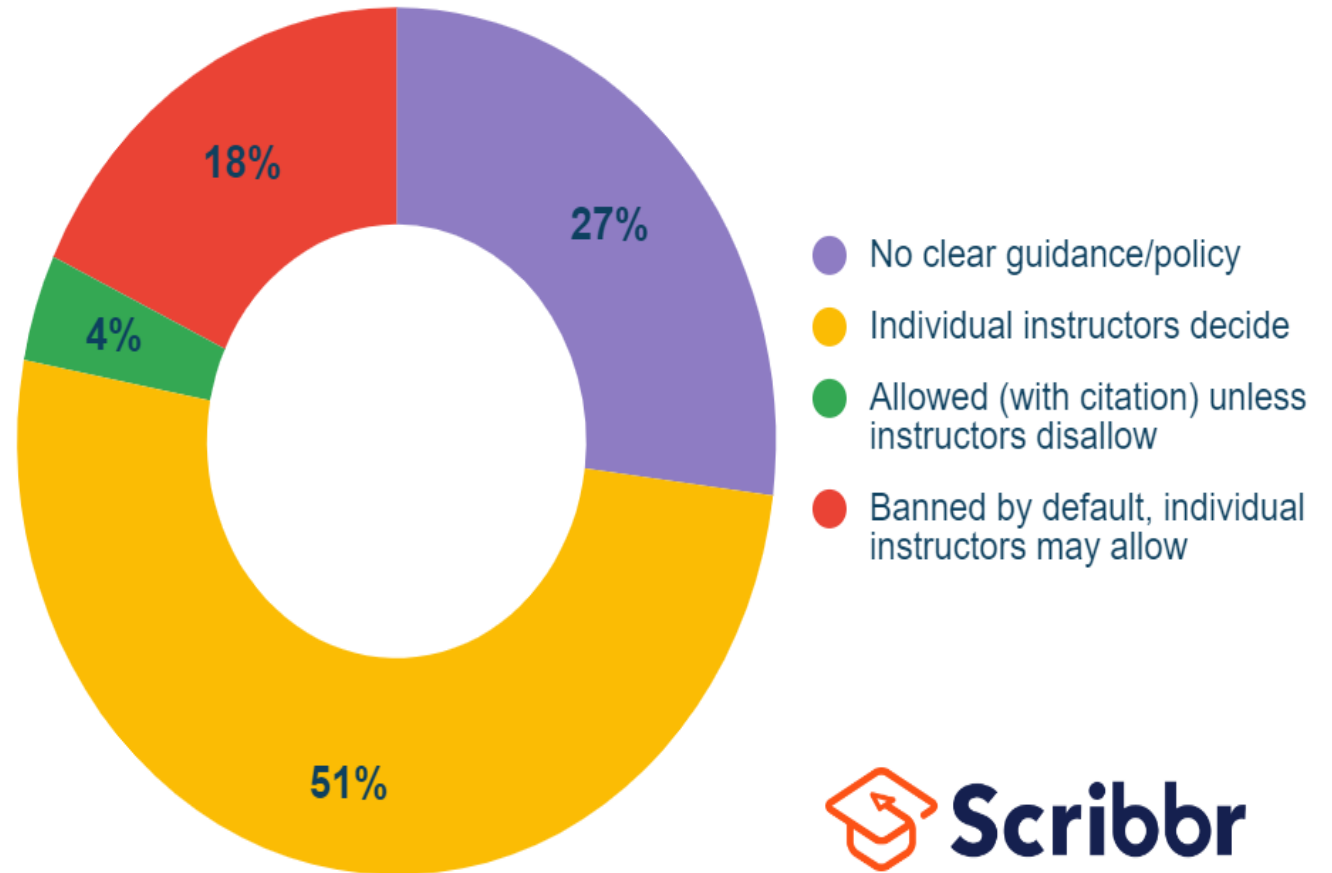


Legal Aspects

Data Protection,
Intellectual Property,
and the EU AI Act

What Now?

- Failures of self-regulation
- University commitments to sustainability
- Failure to abide by the VU-UVA AI Checklist taskforce
- Ban by default!





The End

Thanks for Listening!

THE END



Sources!



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