Using Gen-AI for OER: Challenges & Risks

Robert Schuwer

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CC BY

Potential risks

- Copyright issues

(Miao & Holmes, 2023; Atenas, 2024)

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- Quality Control

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- Ethical concerns

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Potential risks

- Copyright issues
- Quality Control
- Ethical concerns
- EDI (Equality, Diversity, Inclusivity) principles under pressure
  - Language
  - Bias

(Miao & Holmes, 2023; Atenas, 2024)

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Potential risks

- Copyright issues
- Quality Control
- Ethical concerns
- EDI (Equality, Diversity, Inclusivity) principles under pressure
  - Language
  - Bias
- Too much power for Big Tech

(Miao & Holmes, 2023; Atenas, 2024)

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How to overcome?

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How to overcome?

- Human Oversight

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How to overcome?

- Human Oversight
- Diversity in Data
  - GPT-NL (https://www.tno.nl/en/digital/digital-innovations/data-sharing/conversational-ai/gpt-nl-boosts-dutch-ai-autonomy/)

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How to overcome?

- Human Oversight
- Diversity in Data
- Teacher Training and Support

How to overcome?

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- Teacher Training and Support
- Accessible Design

How to overcome?

- Human Oversight
- Diversity in Data
- Teacher Training and Support
- Accessible Design
- Ethical Guidelines

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Guidelines for responsible use of (Gen-)AI

- UNESCO
- EU AI-act and Ethical Guidelines
- Governments
  - E.g. The Netherlands
- Institutions

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Seven principles of Creative Commons

1. Legal space for studying and creating should accommodate generative AI while addressing societal concerns.
2. Defining ways for creators to express preferences on AI training, with opting out as the maximum legislative restriction, due to extensive copyright protection and lack of active management.
3. Collaborative efforts needed to address implications beyond copyright, considering rights like data protection and likeness use.
4. Special focus on using traditional knowledge for AI training, involving community stewardship for authorization.
5. Legal frameworks should permit using copyrighted works for non-commercial public interest, like research and education.
6. Ensure shared economic benefits from AI access to copyrighted works, benefiting all contributors to the commons.
7. Counter resource concentration by investing in public computational infrastructures globally and supporting training datasets respecting outlined principles as commons.

Guidelines for responsible use of (Gen-)AI

- UNESCO
- EU AI-act
- Governments
  - E.g. The Netherlands
- Institutions

- Professionalisation programs!

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Colophon

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