



AI for Accessibility Practical Tools and Real-World Considerations

Rocio Conde (she/her)

Gian Michele Pileri (he/him)

Joanna Friend (she/they)



**GEORGE
BROWN**
POLYTECHNIC



Topics

- Examples of AI features.
 - Things to keep in mind.
 - Demo with image, diagram, and table.
 - Demo with ChatGPT as an accessibility checker.
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Poll

- What makes a document accessible?
 - What are some of the challenges in making documents accessible?
 - What are some Artificial Intelligence tools and/or features that you use in your daily life and work?
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What is Generative Artificial Intelligence?

Generative Artificial Intelligence (Generative AI or GenAI) is a type of Artificial Intelligence that generates new content based on content it was trained on. The training process involves feeding the AI system with content (such as text, video, audio, or images), on which it then creates a statistical model to make predictions.



Examples of AI features in our everyday digital tools

- Spell checkers.
 - Word and sentence prediction in emails, text, and Word documents.
 - Recommendations on streaming or music services, such as Netflix or Spotify.
 - Social media recommendations.
 - Chatbots.
 - Navigation systems.
 - Face recognition software.
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Access a Generative AI tool you use or feel comfortable with

- Some of the most popular are:
 - [ChatGPT](#) (OpenAI).
 - [Copilot](#) (Microsoft).
 - [Gemini](#) (Google).
 - [Claude](#) (Anthropic).
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AI Features that enhance accessibility

- Automatic alt text creation.
 - Automatic image description.
 - Complex visual descriptions.
 - Real-Time Audio Captioning and Translation.
 - Sign Language Translation.
 - Predictive Text and Communication Support.
 - Personalized Content and Interface Adjustments.
 - Paraphrase.
 - Summarise.
 - Tone detector.
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Useful Generative AI tools

- [ChatGPT](#)
 - [Ludia](#)
 - [Microsoft CoPilot](#)
 - [Google Gemini](#)
 - [MagicSchool.ai](#)
 - [GoblinTools](#)
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Things to keep in mind

- Treat Gen AI as a collaborator, not as an authority.
 - Cross-check results for bias, stereotyping, or oversimplification.
 - The quality of responses depends on how you prompt the tool: be clear and specific.
 - Ask Gen AI follow-up questions or request revisions to improve accuracy or tone.
 - Gen AI generates text based on patterns, not lived experience or understanding.
 - It can sound confident even when it's wrong ("hallucinations" are possible).
 - Always verify important facts, data, or citations through trusted sources.
 - Reflect on whether the Gen AI's output aligns with your goals, context, and ethics.
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Some facts to be aware of before using GenAI

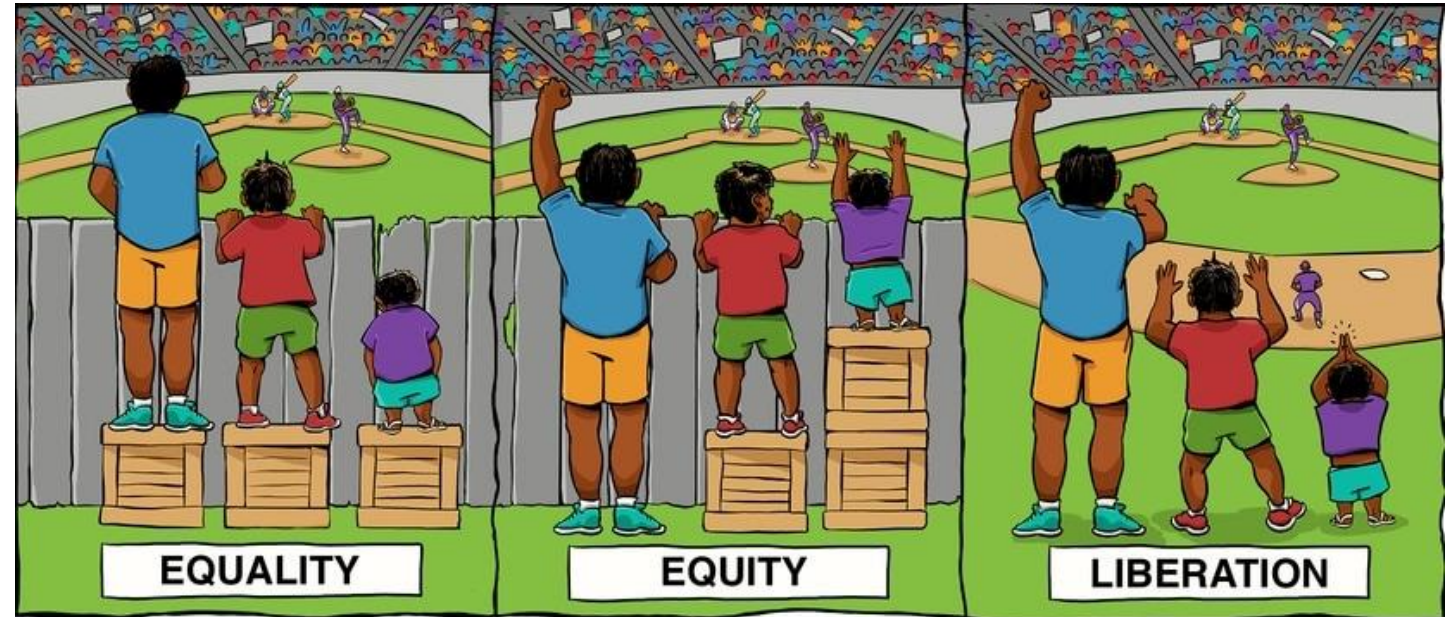
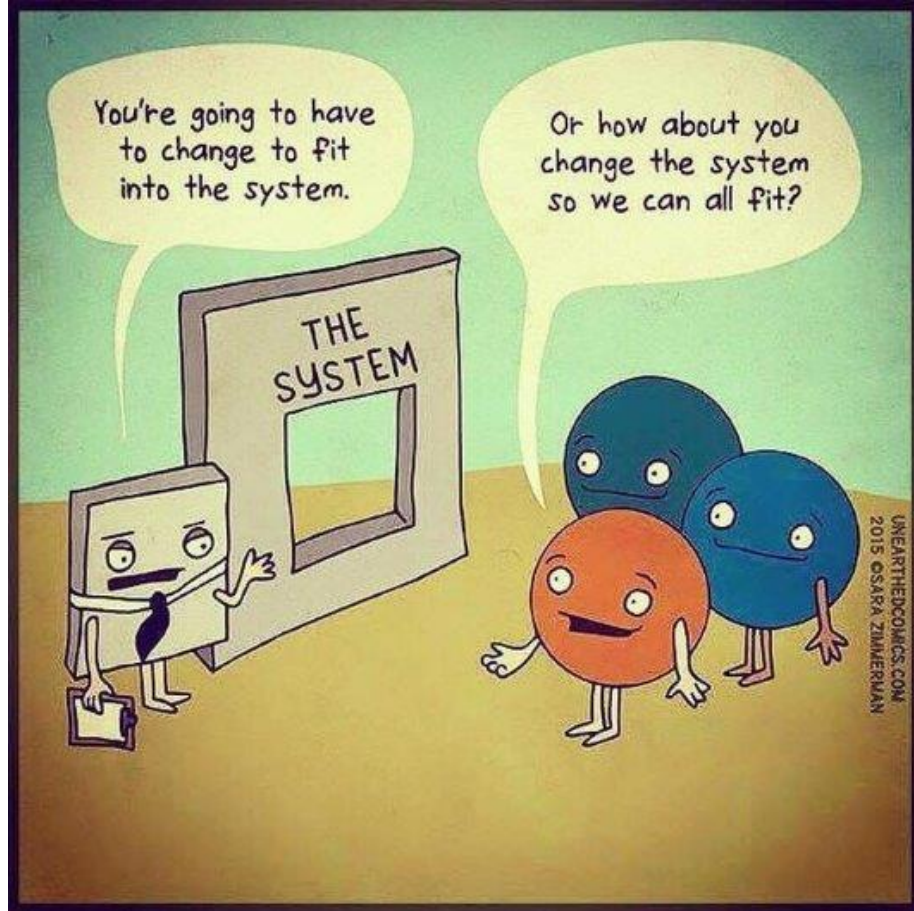
- Environmental impact.
 - Biased and harmful outputs.
 - Mistakes (hallucinations).
 - User's proficiency with digital tools.
 - Labour exploitation.
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Demo

- Optical Character Recognition (OCR), Alt text and Long descriptions.
 - Alt text and description for charts and tables.
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Alt text and description creation with Generative AI tools



Sara Zimmerman, 2015

Agenda

Time	Item	Location
9:30 a.m. – 9:45 a.m.	Opening Remarks	WFL - 337
9:55 a.m. – 10:25 a.m.	Concurrent Session Block 1	WFL - 401, 405, 408
10:35 a.m. – 11:05 a.m.	Concurrent Session Block 2	WFL - 401, 405, 408
11:15 a.m. – 12:00 p.m.	Closing Panel	WFL - 337

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