

AI Literacy: Critical Analysis of Current Developments

ainews.social - Generated Analysis

August 31, 2025

1 Analysis of Purpose and Intent

In the realm of AI literacy, authors often articulate explicit goals such as enhancing critical thinking, democratizing access to AI education, and fostering ethical awareness. For instance, the integration of AI into educational curricula is seen as a pathway to bolster critical thinking skills, as evidenced by initiatives in Hangzhou schools where AI education has become mandatory [2,50]. This approach is justified by the need to prepare students for a future where AI is ubiquitous, thus aligning educational goals with societal demands [2,50,15]. However, some experts argue that AI might hinder the development of deep critical thinking skills, posing a challenge to these educational objectives [20,53].

The democratization of AI literacy is another prominent goal, with efforts in India and Nigeria aiming to transform students from mere users to creators of AI technology [15,48,49]. This is justified by the potential for AI to drive economic growth and innovation, particularly in developing regions [15,48]. The realistic nature of these goals is supported by the increasing availability of AI tools and resources, although challenges such as resource allocation and infrastructure development remain significant hurdles [9,48,49].

Ethical considerations are also a central theme, with authors emphasizing the importance of embedding ethical frameworks into AI literacy programs to address issues of bias and privacy [38,41,62]. These purposes are justified by the growing concerns over AI's impact on privacy and the amplification of societal biases [38,62]. While the integration of ethics into AI education is achievable, it requires a concerted effort from educators, policymakers, and technologists to ensure comprehensive coverage and understanding [38,41,62].

The purposes expressed by these authors reflect the needs of various stakeholders, including educators, students, and policymakers, who are invested in preparing future generations for an AI-driven world [7,13,27]. However, achieving these purposes is not without challenges. The rapid pace of AI development, coupled with varying levels of access to technology and educational resources, may impede progress [7,13,27]. Additionally, the need for continuous curriculum updates to keep pace with technological advancements presents an ongoing challenge for educational institutions [17,46,49].

2 Critical Questions and Inquiries

In the realm of AI literacy, critical questions and inquiries often revolve around the core challenges of integrating AI into educational frameworks and its broader societal implications. One of the primary questions is how AI can be effectively utilized to enhance critical thinking skills without undermining them. This inquiry builds on existing research that highlights both the potential and pitfalls of AI in educational settings [2,20,52]. While AI tools can facilitate innovative learning experiences, there is a concern that they might also lead to superficial understanding if not properly integrated into curricula [20,53]. This duality necessitates a nuanced approach to AI literacy, where educators are tasked with balancing technological engagement with deep cognitive development [2,52].

Another significant question addresses the democratization of AI literacy across diverse socio-economic landscapes. This inquiry is particularly relevant in developing regions, where access to AI education can drive economic growth and innovation [15,48,49]. The challenge lies in overcoming infrastructural and resource limitations to ensure equitable access to AI tools and education [9,48]. Researchers are exploring various methodological approaches, such as leveraging online platforms and community-based learning models, to

bridge these gaps [9,49]. These efforts reflect a broader commitment to transforming students from passive consumers to active creators of AI technology, thereby fostering a more inclusive technological future [15,48].

Ethical considerations also form a critical axis of inquiry, with questions focusing on how to embed ethical frameworks into AI literacy programs effectively. This line of questioning is driven by the need to address issues of bias, privacy, and the ethical use of AI technologies [38,41,62]. The integration of ethics into AI education requires a collaborative effort among educators, policymakers, and technologists to develop comprehensive curricula that cover these complex topics [38,41]. Assumptions underlying these inquiries include the belief that ethical literacy is essential for responsible AI development and that education systems must evolve to incorporate these dimensions [38,62].

These critical questions not only reflect current challenges but also build on existing research by proposing innovative solutions and methodologies. For instance, the use of metaphors and real-world scenarios in teaching AI ethics has been suggested as a way to make abstract concepts more relatable and understandable for students [62]. Such approaches underscore the importance of contextualizing AI literacy within broader societal narratives, ensuring that learners are equipped to navigate the ethical and practical dimensions of AI in their personal and professional lives [62,41]. As AI continues to evolve, these inquiries will remain central to shaping the future of AI literacy, driving ongoing research and dialogue in the field [7,13,27].

3 Core Assumptions and Premises

In the discourse on AI literacy, several core assumptions underpin the analysis of AI's role in education and society. A foundational belief is that AI literacy is essential for preparing individuals to navigate an increasingly AI-driven world. This assumption is reflected in initiatives such as the mandatory AI education in Hangzhou schools, which aim to align educational objectives with societal demands [2,50]. The belief that AI literacy can enhance critical thinking skills is another prevalent assumption, though it is contested by experts who argue that AI might hinder deep cognitive development if not integrated thoughtfully [20,53]. This duality necessitates a balanced approach to AI literacy, where the potential benefits of AI are harnessed without compromising critical thinking [2,52].

The democratization of AI literacy is also predicated on the assumption that access to AI education can drive economic growth and innovation, particularly in developing regions [15,48,49]. This belief shapes efforts in countries like India and Nigeria, where educational programs aim to transform students from passive users to active creators of AI technology [15,48]. However, this assumption is challenged by infrastructural and resource limitations that may impede equitable access to AI education [9,48]. Researchers are exploring innovative solutions, such as online platforms and community-based learning models, to address these challenges and fulfill the democratization goal [9,49].

Ethical considerations in AI literacy are grounded in the assumption that embedding ethical frameworks into educational programs is crucial for addressing issues of bias and privacy [38,41,62]. This belief is supported by growing concerns over AI's impact on privacy and the amplification of societal biases [38,62]. The integration of ethics into AI education is seen as achievable, yet it requires a collaborative effort among educators, policymakers, and technologists to ensure comprehensive coverage and understanding [38,41]. This assumption underscores the importance of ethical literacy as a component of responsible AI development and usage [38,62].

These assumptions shape the analysis approaches in AI literacy by highlighting the need for a multifaceted educational strategy that incorporates critical thinking, democratization, and ethics. However, potential biases emerge from these assumptions, such as the overestimation of AI's capabilities in enhancing cognitive skills or the underestimation of the challenges in democratizing AI education [20,53,9]. As AI continues to evolve, these core assumptions will remain central to shaping AI literacy initiatives, driving ongoing research and dialogue in the field [7,13,27].

4 Key Concepts and Theoretical Framework

In the exploration of AI literacy, several key concepts and theoretical frameworks have emerged, shaping the discourse on how AI can be integrated into educational and societal contexts. One of the foundational concepts is the notion of AI as both a tool and a potential hindrance to critical thinking. This duality is

reflected in research that highlights AI’s capacity to enhance learning experiences while also posing risks of superficial understanding if not carefully integrated into curricula [20,52,53]. The theoretical framework surrounding this concept emphasizes the need for a balanced approach that leverages AI’s strengths in fostering innovative learning while safeguarding against its potential to undermine deep cognitive engagement [2,52].

Another critical concept in AI literacy is the democratization of AI education, which is underpinned by the belief that equitable access to AI tools can drive economic growth and innovation, particularly in developing regions [15,48,49]. This framework has evolved to include various methodological approaches, such as online platforms and community-based learning models, aimed at overcoming infrastructural and resource limitations [9,49]. The interconnectedness of these approaches reflects a broader commitment to transforming students from passive consumers to active creators of AI technology, thereby fostering a more inclusive technological future [15,48]. However, this framework faces limitations in terms of scalability and the persistent digital divide, which may hinder its full realization [9,48].

Ethical considerations form another pillar of AI literacy, with frameworks focusing on embedding ethical principles into AI education to address issues of bias, privacy, and responsible use [38,41,62]. This concept has been developed over time through collaborative efforts among educators, policymakers, and technologists to create comprehensive curricula that incorporate these complex topics [38,41]. The integration of ethics into AI literacy is seen as essential for preparing individuals to navigate the ethical dimensions of AI in their personal and professional lives [62,41]. However, the challenge lies in making these abstract concepts relatable and understandable, which has led to innovative teaching methods such as using metaphors and real-world scenarios [62].

These theoretical frameworks reflect practice by informing the design and implementation of AI literacy programs across various educational settings. For instance, the mandatory AI education in Hangzhou schools exemplifies the practical application of these frameworks, aligning educational objectives with societal demands [2,50]. However, limitations persist, such as the potential overestimation of AI’s capabilities in enhancing cognitive skills and the underestimation of challenges in democratizing AI education [20,53,9]. As AI continues to evolve, these frameworks will need to adapt, ensuring that AI literacy initiatives remain relevant and effective in addressing the complexities of an AI-driven world [7,13,27].

5 Implications and Future Directions

The implications of AI literacy extend beyond educational settings, influencing societal structures and individual capabilities. A significant predicted change is the transformation of the workforce, where AI literacy becomes a critical skill for navigating an AI-integrated job market. This shift is supported by studies indicating that AI poses a threat to entry-level jobs, necessitating a workforce adept in AI tools to remain competitive [4,11]. As AI literacy becomes more prevalent, it is expected to foster a generation of workers who can leverage AI for creative problem-solving and innovation, thereby reshaping industries and economic landscapes [12,46].

Stakeholders in AI literacy, including educators, policymakers, and technologists, hold differing perspectives on its implementation. Educators emphasize the need for curricula that balance technical skills with critical thinking and ethical considerations, ensuring students are not only proficient in AI but also aware of its societal impacts [5,38,41]. Policymakers focus on creating equitable access to AI education, particularly in developing regions, to drive economic growth and innovation [15,48,49]. Technologists, on the other hand, advocate for the integration of AI tools in educational platforms to enhance learning experiences and prepare students for future technological advancements [9,28,55].

The mechanisms driving change in AI literacy include the development of innovative educational models and the integration of AI tools into traditional curricula. Online platforms and community-based learning models are being explored to overcome infrastructural limitations and democratize access to AI education [9,49]. These approaches aim to transform students from passive consumers to active creators of AI technology, fostering a more inclusive technological future [15,48]. However, challenges such as the digital divide and resource constraints persist, potentially hindering the full realization of these initiatives [9,48].

Implementation challenges in AI literacy are multifaceted, encompassing technical, ethical, and pedagogical dimensions. Technically, the rapid evolution of AI technologies requires continuous updates to

educational content and teaching methods [17,57]. Ethically, embedding comprehensive ethical frameworks into AI education is crucial to address issues of bias and privacy, yet it remains a complex task requiring collaboration among various stakeholders [38,41,62]. Pedagogically, educators face the challenge of making abstract AI concepts relatable and understandable, necessitating innovative teaching methods such as using metaphors and real-world scenarios [62].

Looking forward, the future of AI literacy will likely involve a more integrated approach, where AI tools are seamlessly embedded into educational practices, enhancing both cognitive and ethical competencies. This evolution will require ongoing research and dialogue among stakeholders to ensure that AI literacy initiatives remain relevant and effective in addressing the complexities of an AI-driven world [7,13,27]. As AI continues to permeate various aspects of life, the importance of AI literacy will only grow, underscoring the need for a comprehensive and adaptive educational strategy.

6 Interpretative Analysis and Synthesis

In the realm of AI literacy, interpretative analysis reveals a complex interplay between the potential benefits and inherent challenges of integrating AI into educational frameworks. A recurring reasoning pattern is the dual role of AI as both an enhancer and a potential detractor of critical thinking skills. This duality is supported by evidence suggesting that while AI can facilitate innovative learning experiences, it may also lead to superficial understanding if not carefully integrated into curricula [20,52,53]. The synthesis of these perspectives underscores the necessity for a balanced approach that maximizes AI's educational benefits while mitigating risks to cognitive engagement [2,52].

The evidence connecting AI literacy to economic growth and innovation, particularly in developing regions, highlights the democratization of AI education as a pivotal theme. Studies indicate that equitable access to AI tools can transform students from passive consumers to active creators, fostering a more inclusive technological future [15,48,49]. However, contrasting views point to the persistent digital divide and resource limitations as significant barriers to achieving this democratization [9,48]. This dichotomy suggests that while the potential for economic transformation exists, practical challenges must be addressed to realize these benefits fully.

Ethical considerations in AI literacy further complicate the discourse, with frameworks emphasizing the integration of ethical principles into AI education to address issues of bias, privacy, and responsible use [38,41,62]. The evidence suggests that embedding ethics into AI curricula is crucial for preparing individuals to navigate the ethical dimensions of AI in their personal and professional lives [62,41]. Yet, uncertainties arise in making these abstract concepts relatable and understandable, necessitating innovative teaching methods such as metaphors and real-world scenarios [62]. This methodological challenge highlights the need for ongoing collaboration among educators, policymakers, and technologists to develop effective ethical frameworks.

Alternative views on AI literacy's impact on the workforce reveal a tension between the anticipated benefits and potential drawbacks. While AI literacy is expected to foster a generation of workers capable of leveraging AI for creative problem-solving and innovation, concerns persist about AI's threat to entry-level jobs [4,11]. This tension underscores the importance of equipping the workforce with AI skills to remain competitive in an AI-integrated job market [12,46]. The synthesis of these perspectives suggests that while AI literacy holds promise for economic transformation, it also necessitates a reevaluation of workforce development strategies to address potential job displacement.

Methodological issues in AI literacy research often revolve around the rapid evolution of AI technologies, which require continuous updates to educational content and teaching methods [17,57]. This dynamic landscape presents challenges in maintaining the relevance and effectiveness of AI literacy initiatives. Additionally, the integration of AI tools into traditional curricula raises questions about the balance between technical skills and critical thinking, highlighting the need for a comprehensive educational strategy that addresses both dimensions [5,38,41]. As AI continues to evolve, these methodological considerations will be crucial in shaping the future of AI literacy programs.

In conclusion, the interpretative analysis of AI literacy reveals a multifaceted landscape where potential benefits are tempered by significant challenges. The synthesis of evidence suggests that while AI literacy holds promise for educational and economic transformation, it also requires careful consideration of ethical,

methodological, and practical issues. As AI continues to permeate various aspects of life, the importance of a comprehensive and adaptive approach to AI literacy will only grow, underscoring the need for ongoing research and dialogue among stakeholders [7,13,27].

7 References

1. AI Community of Inquiry (2025).
<https://events.wm.edu/event/view/libraries/366445>
2. AI Education Becomes Mandatory in China's Hangzhou Schools (2025).
<https://barlamantoday.com/2025/08/25/ai-education-becomes-mandatory-in-chinas-hangzhou-schools/>
3. AI Is a Threat to the Entry-Level Job Market (2025).
<https://www.cnet.com/tech/services-and-software/ai-is-a-threat-to-the-entry-level-job-market-stanford-study-shows>
4. AI Is a Threat to the Entry-Level Job Market, Stanford Study Shows (2025).
<https://www.cnet.com/tech/services-and-software/ai-is-a-threat-to-the-entry-level-job-market-stanford-study-shows/>
5. AI Literacy Meets the Writing Classroom Workshop (2025).
<https://www.furman.edu/faculty-development-center/updates/ai-literacy-meets-the-writing-classroom-workshop>
6. AI Literacy Meets the Writing Classroom Workshop (2025).
<https://www.furman.edu/faculty-development-center/updates/ai-literacy-meets-the-writing-classroom-workshop/>
7. AI Literacy in Universities: A Pathway to Strengthening Democracy and Civic Engagement (2025).
<https://news.ssbcrack.com/ai-literacy-in-universities-a-pathway-to-strengthening-democracy-and-civic-engagement/>
8. AI Meets Language Learning: Crafting Chatbot Prompts in the Japanese Classroom (2025).
<https://www.usu.edu/empowerteaching/events/conference/sessions/ai-language-learning>
9. AI Technology Tools (2025).
<https://hub.ncat.edu/administration/its/ai/ai-technology-tools.php>
10. AI and jobs, again (2025).
<https://www.noahpinion.blog/p/ai-and-jobs-again>
11. AI and jobs, again - by Noah Smith (2025).
<https://www.noahpinion.blog/p/ai-and-jobs-again>
12. AI as an element to overcome creative fixation in design teams (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/ai-as-an-element-to-overcome-creative-fixation-in-design-teams/5952C962A2475B3EDD2705598BFC639B>
13. AI literacy as a Canadian policy imperative (2025).
<https://www.hilltimes.com/story/2025/08/27/ai-literacy-as-a-canadian-policy-imperative/471116/>

14. AI literacy in India (2025).
<https://www.edexlive.com/soch-with-the-coach/2025/Aug/29/ai-literacy-in-india-why-students-must-treat-ai-as-a-tool-not-a-toy>
15. AI literacy in India: Why students must treat AI as a 'tool', not a 'toy' (2025).
<https://www.edexlive.com/soch-with-the-coach/2025/Aug/29/ai-literacy-in-india-why-students-must-treat-ai-as-a-tool-not-a-toy>
16. AI literacy starts at the bedside (2025).
<https://journalhosting.ucalgary.ca/index.php/cmej/article/view/81537>
17. Anticipating Curriculum and Course Design for Human-AI Collaboration (2025).
https://www.researchgate.net/profile/Finlay-Mccall/publication/394917472_Anticipating_curriculum_and_course_design_for_human-AI_collaboration/links/68abaf232c7d3e0029b335a0/Anticipating-curriculum-and-course-design-for-human-AI-collaboration.pdf
18. Application and ethical implication (2025).
<https://bmcmmededuc.biomedcentral.com/articles/10.1186/s12909-025-07825-0>
19. Application and ethical implication of generative artificial intelligence in medical education (2025).
<https://bmcmmededuc.biomedcentral.com/articles/10.1186/s12909-025-07825-0>
20. Artificial intelligence hinders development of deep, critical thinking skills: Experts (2025).
<https://www.aa.com.tr/en/asia-pacific/artificial-intelligence-hinders-development-of-deep-critical-thinking-skills-experts/3669863>
21. BBC reveals web of spammers profiting from AI Holocaust images (2025).
<https://www.bbc.com/news/articles/ckg4xjk1g1xo>
22. Bill Gates (2025).
23. Bill Gates: "La inteligencia artificial no podra reemplazar nunca a estas tres profesiones" (2025).
24. COPYRIGHT AND ARTIFICIAL INTELLIGENCE: Positioning AI as a Tool, Not a Creator (2025).
<https://books.google.com/books?hl=en&lr=&id=9QWBEQAAQBAJ&oi=fnd&pg=PR3>
25. Can We Trust AI? (2025).
<https://news.ncsu.edu/2025/08/can-we-trust-ai/>
26. Can We Trust AI? Global Research Team Offers Framework for Tackling this Question (2025).
<https://news.ncsu.edu/2025/08/can-we-trust-ai/>
27. Championing AI Literacy (2025).
<https://www.brooklyn.edu/best-of-bc/championing-ai-literacy>
28. Coding with AI: Science Students Level Up (2025).
<https://www.furman.edu/faculty-development-center/updates/coding-with-ai-science-students-level-up>
29. Critical Thinking with AI: Spotting Fallacies (2025).
<https://www.rit.edu/events/critical-thinking-ai-spotting-fallacies>

30. Do the Explanations Make Sense? (2025).
https://ceur-ws.org/Vol-4017/paper_31.pdf
31. Do the Explanations Make Sense? Explainable Fake Review Identification (2025).
https://ceur-ws.org/Vol-4017/paper_31.pdf
32. Do the Explanations Make Sense? Explainable Fake Review Identification and Users' Perspectives on Explanations (2025).
https://ceur-ws.org/Vol-4017/paper_31.pdf
33. Enhancing Critical Thinking with Generative AI in Biomedical Design (2025).
<https://bioengineer.org/enhancing-critical-thinking-with-generative-ai-in-biomedical-design/>
34. Enhancing knowledge transfer through LLM-based applications (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/enhancing-knowledge-transfer-through-llmbased-applications-a-preliminary-study/551FCC5222EAA1883D09A0B3B1C53A35>
35. Enhancing knowledge transfer through LLM-based applications: a preliminary study (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/enhancing-knowledge-transfer-through-llmbased-applications-a-preliminary-study/551FCC5222EAA1883D09A0B3B1C53A35>
36. Ethics and Generative AI (2025).
<https://researchguides.library.wisc.edu/GenerativeAI/Ethics>
37. Ethics and Privacy (2025).
https://guides.lib.utexas.edu/AI/ethics_and_privacy
38. Ethics and Privacy - Artificial Intelligence (AI) (2025).
https://guides.lib.utexas.edu/AI/ethics_and_privacy
39. Ethics of Using AI (2025).
<https://libguides.tulane.edu/AI/ethics>
40. Ethics of Using AI - AI and Academic Research (2025).
<https://libguides.tulane.edu/AI/ethics>
41. Ethics of Using AI - AI and Academic Research: A Guide (2025).
<https://libguides.tulane.edu/AI/ethics>
42. Evaluating Language Model Reasoning about Confidential Information (2025).
<https://arxiv.org/abs/2508.19980>
43. Exploring the Effectiveness of Teachers' Professional Development Activities on AI Integration in English Language Education (2025).
https://www.researchgate.net/profile/Binu-Mathew-6/publication/394922561_Exploring_the_Effectiveness_of_Teachers'_Professional_Development_Activities_on_AI_Integration_in_English_Language_Education_A_Case_Study/links/68ac0a416327cf7b63d93068/Exploring-the-Effectiveness-of-Teachers-Professional-Development-Activities-on-AI-Integration-in-English-Language-Education-A-Case-Study.pdf

44. Exploring the Use of Artificial Intelligence in Designing Course Descriptions (2025).
<https://journal.pusmedia.com/index.php/JETTI/article/view/182>
45. Exploring the frontiers of hybrid authorship in the development of AI-assisted, L2 crime stories (2025).
<https://www.castledown.com/journals/jct/article/view/jct.v1n1.102573>
46. From AI Literacy to Fluency: Embedding AI into Startup Operations (2025).
<https://therecursive.com/ai-literacy-fluency-embedding-ai-into-startup-operations/>
47. From FASCINATED TO SCARED: AFFECTIVE RESPONSES OF DESIGNERS USING GENERATIVE AI IN THE DESIGN PROCESS (2025).
https://www.designsociety.org/publication/48577/from_fascinated_to_scared_affective_responses_of_designers_using_generative_ai_in_the_design_process
48. From Users to Creators: Building AI Literacy for Every Nigerian (2025).
<https://techeconomy.ng/from-users-to-creators-building-ai-literacy-for-every-nigerian/>
49. From generative AI to cybersecurity, how IITs are democratising AI literacy for India's youth (2025).
<https://timesofindia.indiatimes.com/education/news/from-generative-ai-to-cybersecurity-how-iits-a-re-democratising-ai-literacy-for-indias-youth/articleshow/123448525.cms>
50. Hangzhou Schools Make AI Education a Must-Do (2025).
<https://opentools.ai/news/hangzhou-schools-make-ai-education-a-must-do>
51. Home - AI, Ethics and Social Justice (2025).
<https://guides.library.ttu.edu/ethics>
52. How AI can be a tool to train students on critical thinking? (2025).
<https://www.thehindu.com/education/how-ai-can-be-a-tool-to-train-students-on-critical-thinking/article69974601.ece>
53. La inteligencia artificial en la formacion medica: ?herramienta o amenaza para el pensamiento critico? (2025).
<https://www.consalud.es/profesionales/la-inteligencia-artificial-en-la-formacion-medica-herramienta-o-amenaza-para-el-pensamiento-critico.html>
54. Leveraging generative AI tools for design method support (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/leveraging-generative-ai-tools-for-design-method-support-insights-challenges-and-best-practices/4EEDEB17037D7407005EFBF418E1D24B>
55. Leveraging generative AI tools for design method support: insights, challenges, and best practices (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/leveraging-generative-ai-tools-for-design-method-support-insights-challenges-and-best-practices/4EEDEB17037D7407005EFBF418E1D24B>
56. Leveraging large language models for enabling design by analogy (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/leveraging-large-language-models-for-enabling-design-by-analogy-a-computational-framework/2E3BE1BB69B975B1FA5FDDFF8BB634B44>

57. Leveraging large language models for enabling design by analogy: a computational framework (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/leveraging-large-language-models-for-enabling-design-by-analogy-a-computational-framework/2E3BE1BB69B975B1FA5FDDFF8BB634B44>
58. Modelling STEM students' intention to learn artificial intelligence (AI) in Ghana (2025).
<https://link.springer.com/article/10.1007/s44163-025-00466-8>
59. New research highlights the impact of AI on critical thinking skills (2025).
<https://www.psychologytoday.com/za/blog/the-art-of-critical-thinking/202507/is-ai-making-us-stupid-this-study-certainly-thinks-so>
60. POLKcast: The 'gamification' of online learning (2025).
<https://www.polk.edu/news/polkcast-the-gamification-of-online-learning>
61. Patricia Murrieta Flores: Inteligencia Artificial y Patrimonio Cultural desde el Sur Global (2025).
<https://facartes.uniandes.edu.co/posgrados/maestria-en-humanidades-digitales/patricia-murrieta-inteligencia-artificial-aplicada-latam/>
62. Reflecting reality, amplifying bias? Using metaphors to teach critical AI literacy (2025).
<https://jime.open.ac.uk/articles/10.5334/jime.961>
63. The normative body and 'stupid AI' (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/normative-body-and-stupid-ai-challenging-compulsory-ablebodiedness-in-humanai-interaction/C3A8F38154D45F661152B84A54F74C61>
64. The normative body and 'stupid AI': challenging compulsory able-bodiedness in human-AI interaction (2025).
<https://www.cambridge.org/core/journals/proceedings-of-the-design-society/article/normative-body-and-stupid-ai-challenging-compulsory-ablebodiedness-in-humanai-interaction/C3A8F38154D45F661152B84A54F74C61>
65. WSU Tri-Cities Cougar Tracks launches AI workshop (2025).
<https://tricitie.wsu.edu/wsu-tri-cities-cougar-tracks-launches-ai-workshop-to-prepare-workforce-for-emerging-technologies>