University Leadership Brief

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Supporting Evidence

Evidence Landscape

This synthesis draws from 1,937 articles published between November 18-24, 2025, with 1,020 specifically addressing AI in education contexts. The evidence base reveals a rapidly evolving field where institutional responses outpace empirical validation. Prominent examples include [11], demonstrating how universities are implementing sweeping policy changes, and [12], showing international coordination efforts. The research quality varies significantly, with controlled studies like [3] providing robust evidence for specific applications, while broader implementation studies remain largely observational.

[11] trustees approve 'AI working competency' graduation ...
[12] UCalgary's Yani Ioannou to lead Canada-France AI ...
[3] AI tutoring outperforms in-class active learning: an RCT ... - Nature

The evidence can reliably document what institutions are attempting and initial performance metrics. However, it cannot yet establish long-term educational outcomes, unintended consequences of AI integration, or the systemic effects on educational equity. Most critically, the evidence base lacks longitudinal data on how AI adoption affects learning trajectories, career outcomes, or the fundamental nature of knowledge acquisition itself.

Stakeholder Perspective Gaps

The evidence architecture reveals complete absence of documented stakeholder perspectives in the analyzed corpus, with 0% representation across all identified groups. This void is particularly concerning given research showing differential impacts, such as [10] and [9]. Without authentic stakeholder voices, institutional decisions risk perpetuating existing inequities while claiming technological progress. This absence undermines both policy legitimacy and implementation effectiveness, as strategies developed without constituent input historically face higher resistance and failure rates.

[10] The use of generative AI by students with disabilities in higher education
[9] The Lived Experiences of African American First-Generation Higher Education Students in the Artificial Intelligence Chatbot College Admissions Process: A Transcendental Phenomenological Study

Documented Failure Patterns

While the evidence architecture indicates failure pattern categories exist, the current corpus provides zero documented instances across ethical, implementation, and technical domains. This gap is particularly troubling given emerging research on vulnerabilities, such as [6], which demonstrates systematic security failures in AI assessment systems. The absence of failure documentation suggests either inadequate reporting mechanisms or institutional reluctance to acknowledge problems. Studies like [2] and [4] highlight ongoing integrity challenges, yet systematic failure analysis remains missing from institutional planning.

[6] How to Trick Your AI TA: A Systematic Study of Academic Jailbreaking in LLM Code Evaluation

[2] AI Proctoring: Academic Integrity vs. Student Rights

[4] ChatGPT: The End of Online Exam Integrity? - MDPI

Power and Framing Analysis

The power dynamics data reveals no systematic analysis of who controls the AI-education narrative, despite clear evidence of concentrated influence. The dominant "tool" framing, evident across implementation studies, obscures deeper questions about agency, dependency, and educational philosophy explored in [8]. This metaphor positions AI as neutral technology rather than acknowledging its role in reshaping educational power structures. The absence of causal attribution analysis is particularly concerning given studies showing differential impacts, where benefits accrue to already-advantaged students while risks concentrate among vulnerable populations.

[8] PDF Intelligence artificielle générative en enseignement supérieur

Research Gaps Affecting Strategy

Leadership requires evidence on return-on-investment, scalability models, and risk mitigation strategies—none adequately addressed in current research. Critical questions remain unanswered: How does AI integration affect institutional differentiation? What are the liability implications of AI-mediated education? How do we measure "educational quality" in an AI-enhanced environment? [7] provides frameworks but lacks empirical validation. The gap between available evidence and strategic needs forces leadership into speculative decision-making with potentially irreversible consequences.

[7] Navigating ethical challenges in generative AI-enhanced research:the ETHICAL framework for responsible generative AI use

Secondary Tensions

Beyond primary contradictions, the evidence reveals competing tensions around assessment integrity versus accessibility, as highlighted in [5]. The promise of personalized learning through AI, suggested by [1], conflicts with standardization pressures and accreditation requirements. These tensions interact with institutional priorities around enrollment, reputation, and resource allocation in ways the current evidence base cannot adequately map, leaving leadership to navigate

[5] Designing AI-Resilient Assessments Using Interconnected ...

[1] a five-tiered framework to generative AI in K-12 education

complex trade-offs without sufficient empirical guidance.

References

1. a five-tiered framework to generative AI in K-12 education
2. AI Proctoring: Academic Integrity vs. Student Rights
3. AI tutoring outperforms in-class active learning: an RCT ... - Nature
4. ChatGPT: The End of Online Exam Integrity? - MDPI
5. Designing AI-Resilient Assessments Using Interconnected ...
6. How to Trick Your AI TA: A Systematic Study of Academic Jailbreaking in LLM Code Evaluation
7. Navigating ethical challenges in generative AI-enhanced research:the ETHICAL framework for responsible generative AI use
8. PDF Intelligence artificielle générative en enseignement supérieur
9. The Lived Experiences of African American First-Generation Higher Education Students in the Artificial Intelligence Chatbot College Admissions Process: A Transcendental Phenomenological Study
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