

LITERATURE REVIEW MATRIX

Project: Artificial Intelligence in Higher Education

Updated: October 2023

AUTHOR(S) & YEAR	METHODOLOGY	KEY FINDINGS	THEORETICAL THEMES	GAPS & CRITIQUE
Smith & Jones (2022) <i>Journal of EdTech</i>	Qualitative; Semi-structured interviews (n=45)	Significant increase in student engagement when using adaptive AI platforms.	Constructivism Personalization	Small sample size; focused only on STEM disciplines. Needs longitudinal data.
Chen, L. (2023) <i>Digital Pedagogy Quarterly</i>	Quantitative; Randomized Control Trial (RCT)	AI-driven feedback reduced grading turnaround time by 60% without loss in quality.	Efficiency Feedback Loops	Does not account for nuances in humanities essays or creative writing.
Garcia et al. (2021) <i>Higher Ed Review</i>	Literature Synthesis / Meta-analysis	Identified ethical concerns regarding data privacy as the primary barrier to adoption.	Ethics Governance	Highly theoretical; lacks empirical evidence from actual classroom implementation.

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