

Table 1: Types of Reviews on AI Dependency: Crutch or Tool for Learning and Integrity

Review Type	Aim	Question Format	Question Example
Effectiveness	To evaluate whether AI tools enhance or hinder student learning and integrity.	Population, Intervention, Comparator(s), Outcomes (PICO)	How effective are AI writing assistants compared to traditional methods in improving student learning without compromising academic integrity?
Experiential (Qualitative)	To explore students' and educators' lived experiences with AI in education.	Population, Phenomena of Interest, Context (PICO)	What is the student experience of using ChatGPT as a study aid in academic settings, and how do they perceive its impact on learning and integrity?
Costs/Economic Evaluation	To assess the cost and value of implementing AI tools in learning environments.	Population, Intervention, Comparator(s), Outcomes, Context (PICOC)	What is the cost-effectiveness of AI-based tutoring platforms compared to human tutoring in higher education institutions?
Prevalence and/or Incidence	To measure how widespread AI dependency is in academic contexts.	Condition, Context, Population (CoCoPop)	What is the prevalence of AI tool usage for assignments and exams among undergraduate students in STEM disciplines?
Diagnostic Test Accuracy	To evaluate how accurately institutions detect AI misuse or dependency.	Population, Index Test, Reference Test, Diagnosis of Interest (PIRD)	How accurate are AI-detection software tools in identifying content generated by language models such as ChatGPT compared to expert human reviewers?
Etiology and/or Risk	To identify risk factors for AI misuse leading to academic dishonesty.	Population, Exposure, Outcome (PEO)	Are students with poor time management skills more likely to misuse AI writing tools in ways that violate academic integrity?
Expert Opinion/Policy	To review expert viewpoints on managing AI in educational integrity policies.	Population, Intervention or Phenomena of Interest, Context (PICO)	What are expert opinions on whether AI use should be restricted or encouraged in academic settings to maintain integrity and foster learning?
Psychometric	To develop and validate tools that assess dependency on AI in academics.	Construct of interest, Population, Measurement instrument, Properties	How valid and reliable is the AI Academic Dependency Scale (AADS) in measuring students' reliance on AI tools for educational tasks?
Prognostic	To predict the impact of AI reliance on long-term learning and ethical behavior.	Population, Prognostic Factors, Outcome (PFO)	Among students using AI tools frequently, what factors predict future academic success versus ethical violations?
Methodology	To examine how researchers assess the impact of AI on education and integrity.	Types of Studies, Data, Methods, Outcomes (SDMO)	What research methods are most commonly used to study the relationship between AI use in academics and its effect on integrity and learning outcomes?