SENESCYT–World Bank ALEKS Math-Remediation RCT — National Digital Personalized Learning for Ecuador's First-Year College Students

AI in Education · Good practice · Ecuador

Quality score: 67/100

Evidence strength: Randomised controlled trial

Summary

A World Bank RCT gave over 11,400 first-year students at 71 Ecuadorian technical institutes free access to the AI-adaptive ALEKS platform for math remediation during COVID-19. Treatment-group math test scores rose 0.28 SD (p<0.01) at a cost of about $18 per student.

Key dimensions

Dimension	Score
Evidence of learning impact	3/3
Equity & inclusion	2/3
Transparency, ethics & data protection	2/3
Teacher capability & pedagogy	0/3
Scalability & sustainability	3/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-07-18

Secretaría de Educación Superior, Ciencia, Tecnología e Innovación (SENESCYT), Ecuador / World Bank — accessed 2026-07-18

World Bank blog — Digital personalized learning: a cost-effective solution for math remediation — accessed 2026-07-18

World Bank Policy Research Working Paper 10483 (IDEAS/RePEc) — accessed 2026-07-18

Cite this — Evidoria. *SENESCYT–World Bank ALEKS Math-Remediation RCT — National Digital Personalized Learning for Ecuador's First-Year College Students*. Persistent ID: a5ca9256-63bb-4778-95f4-d5745e6323fc.