

Uruguay's Machine-Learning Early-Warning Model for Primary-School Repetition Risk (Panel-EIT / ANEP)

AI in Education · Good practice · Uruguay

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

A peer-reviewed Uruguayan study tracked 15,529 children into grades 1–3, building ML models that predicted grade repetition with 80% accuracy — but the pilot's operational deployment status is unconfirmed, and the authors stress the models show correlation, not causation.

Key dimensions

Dimension	Score
Evidence of learning impact	1/3
Equity & inclusion	1/3
Transparency, ethics & data protection	2/3
Teacher capability & pedagogy	0/3
Scalability & sustainability	1/3

Evaluated by C-NAPSE

Data sources

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

Universidad de la República (UDELAR) with ANEP-CODICEN — accessed 2026-07-18

Redalyc: peer-reviewed study (Revista Latinoamericana de Estudios Educativos) — accessed 2026-07-18

IDB fAIrLAC: Uruguay school-dropout prediction pilot — accessed 2026-07-18

UNICEF: Uruguay Country Programme Document 2021 — accessed 2026-07-18

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