

A Context-Aware Machine-Learning Early-Warning Model for O-Level Dropout Risk in Southwestern Uganda

AI in Education · Good practice · Uganda

Quality score: 20/100

Evidence strength: Cautionary / limited

Summary

Bishop Stuart University built a screening model from 331 O-Level students across six Mbarara/Isingiro schools, flagging fee arrears, travel distance and bullying as dropout risks, while stating moderate accuracy and a small sample rule out autonomous high-stakes use.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-24

[Bishop Stuart University](#) — accessed 2026-09-24

[East African Journal of Interdisciplinary Studies article](#) — accessed 2026-09-24

[UNICEF Uganda Policy Note: Overcoming the Challenges of Education in Uganda](#) — accessed 2026-09-24

Cite this — Evidoria. *A Context-Aware Machine-Learning Early-Warning Model for O-Level Dropout Risk in Southwestern Uganda*. Persistent ID: 58efdee8-bda6-4991-a584-6e57ce026413.