

PNLD Image-Quality Triage — A Randomised Trial of a CNN Assistant With 76 of Brazil's Textbook Analysts

AI in the Public Sector · Good practice · Brazil

Quality score: 73/100

Evidence strength: Randomised controlled trial

Summary

Brazil's PNLD textbook programme tested a CNN sorting book images as sharp, defocus-blurred or motion-blurred in a two-arm 1:1 randomised study with 76 serving analysts. The AI arm assessed substantially more images with quality preserved; pre-to-post gains were modest.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	3/3
Transparency, fairness & accountability	3/3
Transferability / demonstrated replication	2/3
Scalability beyond pilot	1/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-24

[Fundo Nacional de Desenvolvimento da Educação \(FNDE\) with NEES/Universidade Federal de Alagoas](#) — accessed 2026-08-24

[An efficacy randomized controlled study of an AI-based assessment system in a governmental textbook approval process \(Scientific Reports, 10 Aug 2026\)](#) — accessed 2026-08-24

[Núcleo da Ufal é parceiro do MEC e do FNDE na modernização do PNLD com uso de IA \(UFAL, 2025\)](#) — accessed 2026-08-24

[MEC participa de workshop sobre tecnologias digitais no PNLD \(Ministério da Educação\)](#) — accessed 2026-08-24

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