

Paraguay DNA — Machine Learning for Customs Fraud Detection

AI in the Public Sector · Good practice · Paraguay

Quality score: 53/100

Evidence strength: Randomised controlled trial

Summary

Paraguay's DNA deployed ML-based customs risk-scoring, raising fraud-detection from 18% to 73% while cutting inspections by 70%. A UC Berkeley/IGC RCT verified these gains; full deployment is estimated to recover over USD 200 million in annually unpaid duties.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-06-26

[Dirección Nacional de Aduanas \(DNA\)](#) — accessed 2026-06-26

[CEGA Berkeley — Countering Customs Fraud with ML](#) — accessed 2026-06-26

[IGC — How can AI detect non-compliance?](#) — accessed 2026-06-26

[IDB — Paraguay Customs & Tax Modernisation](#) — accessed 2026-06-26

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