

SARS AI compliance engine — South Africa's machine-learning tax risk platform

AI in the Public Sector · Good practice · South Africa

Quality score: 80/100

Evidence strength: Observational / pre–post

Summary

South Africa's SARS uses ML models across 1.2 billion annual records to select audits and detect refund fraud. In FY2024/25 AI-driven compliance yielded R304 billion (+16.7% YoY); AI models cumulatively prevented R444 billion in fraudulent outflows (parliamentary submission).

Key dimensions

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

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-06-21

South African Revenue Service (SARS) — accessed 2026-06-21

SARS Official Media Release — Non-compliance through data-driven risk detection — accessed 2026-06-21

International Journal of Economic Perspectives (2024) — Role of AI in enhancing SARS tax compliance — accessed 2026-06-21

Cite this — Evidoria. SARS AI compliance engine — South Africa's machine-learning tax risk platform. Persistent ID: d9dc1ac4-6e02-49d3-a9f0-a958e9eb3374.