Kenya Tax Model (RIAPA-AI) — KIPPRA's AI-Chat-Driven Computable General Equilibrium Platform for Tax Policy Simulation

AI in the Public Sector · Good practice · Kenya

Quality score: 67/100

Evidence strength: Descriptive / self-reported

Summary

Kenya's KIPPRA, its Revenue Authority (KRA) and IFPRI built an AI-chat computable general equilibrium model for tax simulation; a 2024 run projected a proposed 5% farm-produce withholding tax would push over 106,000 more Kenyans into poverty.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-07-13

Kenya Institute for Public Policy Research and Analysis (KIPPRA), with the Kenya Revenue Authority (KRA) and IFPRI/CGIAR — accessed 2026-07-13

CGIAR/IFPRI Kenya — Sparking conversations: research supports rethinking of agricultural withholding tax — accessed 2026-07-13

KIPPRA — Launch of the Social Accounting Matrix for Kenya / Economic Modelling Hub — accessed 2026-07-13

Daily Nation — KRA eyes over Sh14 billion from 5pc farm produce tax — accessed 2026-07-13

Cite this — Evidoria. *Kenya Tax Model (RIAPA-AI) — KIPPRA's AI-Chat-Driven Computable General Equilibrium Platform for Tax Policy Simulation*. Persistent ID: 10b5c3c6-0bd8-4eed-9641-ef14ad9fb3e4.