

# VigIA — Bogota's Machine-Learning Early-Warning System for Public Procurement Irregularities

AI in the Public Sector · Good practice · Colombia

Quality score: 67/100

Evidence strength: Observational / pre–post

## Summary

Bogota's oversight office deployed VigIA, a random-forest model (AUC 0.943) trained on 87,387 SECOP II contracts, to flag procurement at risk of cost overruns and delays -- winner of a CAF regional AI-for-government contest.

## Key dimensions

| Dimension                                  | Score |
|--------------------------------------------|-------|
| Evidence of impact / measured public value | 2/3   |
| 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 2026-08-01

[Veeduría Distrital de Bogotá, with Universidad del Rosario's TicTank and CAF](#) — accessed 2026-08-01

[Data & Policy \(Cambridge University Press\)](#) — [VigIA paper](#) — accessed 2026-08-01

[CAF](#) — [Veeduría Distrital de Bogotá gana el llamado a instituciones públicas de CAF](#) — accessed 2026-08-01

---

Cite this — Evidoria. *VigIA — Bogotá's Machine-Learning Early-Warning System for Public Procurement Irregularities*. Persistent ID: e3690168-a434-4373-8f29-f6bca37fcb50.