Germany's Statistisches Bundesamt Trains a Machine-Learning Model to Estimate Regulatory Compliance Costs

AI in the Public Sector · Good practice · Germany

Quality score: 67/100

Evidence strength: Descriptive / self-reported

Summary

Germany's Federal Statistical Office trained a machine-learning model to improve the accuracy of mandatory compliance-cost ('Erfüllungsaufwand') estimates for draft regulations under the simplified procedure used when costs are expected to stay below €100,000 a year.

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 2026-09-04

Statistisches Bundesamt (Federal Statistical Office of Germany) — accessed 2026-09-04

Destatis WISTA 2024: Machine learning history and developments (PDF) — accessed 2026-09-04

OECD: AI in regulatory design and delivery — Governing with Artificial Intelligence (2025) — accessed 2026-09-04

Levagin et al. 2022, WISTA 74(3): Vereinfachtes Verfahren — citation record — accessed 2026-09-04

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