

DfT's Consultation Analysis Tool (CAT) — LLM Thematic Analysis of 200,000 Responses, Benchmarked Against Human Coders

AI in the Public Sector · Good practice · United Kingdom

Quality score: 87/100

Evidence strength: Strong

Summary

UK Department for Transport and the Alan Turing Institute built an LLM tool for consultation analysis with human theme review. Evaluation: ~75% blind theme recall, F1 0.75 (blind) and 0.93 (live) on mapping, no demographic bias found; est. 50–70% cost saving.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-10-18

[UK Department for Transport \(AI and Data Science team\) with The Alan Turing Institute](#) — accessed 2026-10-18

[DfT CAT v1.0 evaluation \(GOV.UK\)](#) — accessed 2026-10-18

[Highways Magazine: DfT eyes annual savings](#) — accessed 2026-10-18

[Evaluation PDF](#) — accessed 2026-10-18

Cite this — Evidoria. *DfT's Consultation Analysis Tool (CAT) — LLM Thematic Analysis of 200,000 Responses, Benchmarked Against Human Coders*. Persistent ID: 1cdba31d-23a6-4c82-800c-0ebfd4ab9e78.