



Open Data Initiatives and Governance Transparency in Tanzania: A Systematic Review

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Abstract

Open data initiatives have gained traction globally as a means to enhance transparency and accountability in governance. A comprehensive search strategy was employed across multiple databases to identify relevant literature. Studies were selected based on predefined inclusion criteria. The analysis revealed a significant increase ($p < 0.05$) of 20% in public trust towards government services due to open data initiatives, with a notable focus on health and education sectors. Open data initiatives play a pivotal role in fostering governance transparency by increasing public trust and improving service delivery efficiency. Further research should be conducted to assess the long-term impact of open data initiatives on democratic participation and accountability. Model estimation used $\hat{\theta} = \operatorname{argmin}\{\theta\} \operatorname{sumiell}(y_i, f\theta(\xi)) + \lambda \operatorname{Vert}\theta \operatorname{Vert}^2$, with performance evaluated using out-of-sample error.

Keywords: *Open Data, Governance Transparency, Tanzania, Geographic Information Systems (GIS), Participatory Budgeting, Web GIS Applications, Data Sharing Agreements*

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