



Replicating Health Coverage Outcomes Analysis in Kenyan Municipalities,

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Abstract

This study builds upon previous research that analysed health coverage outcomes in Kenyan municipalities from to . Data from the Kenya Demographic and Health Survey was used. A multivariate linear regression model with robust standard errors was employed to assess the relationship between municipal health interventions and coverage outcomes. The analysis revealed that municipalities with higher levels of community participation in governance saw a

0.75 increase in UHC coverage rates, with a 95% confidence interval around this estimate. This replication underscores

$\hat{\theta} = \arg\min_{\theta} \sum_i \ell(y_i, f_{\theta}(x_i)) + \lambda \|\theta\|_2^2$, with performance evaluated using out-of-sample error.

Keywords: Kenya, Geographic Information Systems (GIS), Universal Health Coverage (UHC), Regression Analysis, Spatial Statistics, Data Mining, Public Health Policy Evaluation

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