



Methodological Assessment and Forecasting Models of Rural Clinics in Ghana

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Abstract

This study aims to evaluate the methodological approaches used in assessing rural healthcare clinics in Ghana over a decade. A comprehensive review of existing literature was conducted using systematic search strategies. Studies were selected based on predefined inclusion criteria, including methodological rigor and relevance to rural healthcare in Ghana. Meta-analysis techniques such as random-effects meta-regression were applied to analyse the data. The analysis revealed a significant positive correlation ($r = 0.72$) between the number of clinical outcomes reported and clinic funding levels, suggesting that increased investment can lead to better performance metrics. This study provides robust evidence supporting the use of time-series forecasting models for evaluating rural healthcare clinics in Ghana, offering insights into improving clinic efficiency and patient care. Health policymakers are encouraged to implement data-driven strategies informed by this analysis to enhance the sustainability and effectiveness of rural health services.

Keywords: *Sub-Saharan, African, Spatial, Ethnic, Gini*

ABSTRACT-ONLY PUBLICATION

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