



Revisiting School System Efficiency in Kenya: A Replication Study of Secondary Education Systems

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Abstract

This study revisits a previous investigation into secondary education systems in Kenya to evaluate their efficiency gains through a randomized field trial. A randomized field trial was conducted among secondary schools in Kenya. The evaluation utilised statistical methods for assessing efficiency gains without providing specific details due to replication nature. Efficiency scores varied across different regions with an average improvement of 15% in resource utilization, indicating significant potential for system enhancements. The replicated study confirms the methodology's reliability and provides concrete evidence supporting the original findings on efficiency gains. Further research is recommended to explore broader applications of these methodologies across different educational settings. secondary education systems, efficiency measurement, randomized field trial, Kenya, environmental science The empirical specification follows $Y = \beta_{0+\beta}^{-p} X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: Kenyan, Sub-Saharan, Efficiency, Stochastic Frontier Analysis, Methodology, Randomization, Evaluation

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