Methodological Evaluation of Secondary Schools Systems in Nigeria: Quasi-Experimental Design for Clinical Outcomes Assessment

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Abstract

This study addresses a current research gap in Agriculture concerning Methodological evaluation of secondary schools systems in Nigeria: quasi-experimental design for measuring clinical outcomes in Nigeria. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A structured analytical approach was used, integrating formal modelling with domain evidence. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Methodological evaluation of secondary schools systems in Nigeria: quasi-experimental design for measuring clinical outcomes, Nigeria, Africa, Agriculture, methodology paper This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. The empirical specification follows $Y = \beta_{0+\beta}^{\rightarrow} p \, X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African agriculture, quasi-experimental design, rural development, agronomy, pedagogy, statistics, methodology*

ABSTRACT-ONLY PUBLICATION

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