



Three-Year Employment Outcomes Following Vocational Training Programmes for Youth in Nigerian Informal Economy Centres

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Abstract

This study addresses a current research gap in Computer Science concerning Evaluation of Vocational Training Programs for Youth Aged 18-24 in Nigerian Informal Economy Centres: Three-Year Employment Outcomes in Nigeria. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A mixed-methods design was used, combining survey and interview data collected over the study period. 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. Evaluation of Vocational Training Programs for Youth Aged 18-24 in Nigerian Informal Economy Centres: Three-Year Employment Outcomes, Nigeria, Africa, Computer Science, original research This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. 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: African geography, vocational training, youth employment, programme evaluation, informal economy, quantitative methods, labour market analysis

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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