



Youth-led Solar Power Community Centres in Sudanese Villages: Economic Growth and Education Access

Usman Musa^{1,2}, Suleiman Garba³

¹ Department of Research, University of Calabar

² Usmanu Danfodiyo University, Sokoto

³ University of Calabar

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Correspondence: umusa@gmail.com

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Author notes

*Usman Musa is affiliated with Department of Research, University of Calabar and focuses on Energy research in Africa.
Suleiman Garba is affiliated with University of Calabar and focuses on Energy research in Africa.*

Abstract

This study addresses a current research gap in Energy concerning Youth-led Solar Power Community Centres in Sudanese Villages: Economic Growth and Education Access Evidenced Through Case Study 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. Youth-led Solar Power Community Centres in Sudanese Villages: Economic Growth and Education Access Evidenced Through Case Study, Nigeria, Africa, Energy, ethnographic study This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. The empirical specification follows $Y = \beta_{0+\beta}^{\rightarrow} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: Sudan, Geopgraphic, Youth, Renewable, Anthropology, Development, Community

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