



# Methodological Assessment of Quasi-Experimental Design in Nigerian Regional Monitoring Networks for Adoption Rate Measurement

Osita Ezeanyika<sup>1,2</sup>, Chinedu Obiakowa<sup>1,3</sup>

<sup>1</sup> Nigerian Institute of Social and Economic Research (NISER)

<sup>2</sup> University of Port Harcourt

<sup>3</sup> Department of Interdisciplinary Studies, University of Port Harcourt

**Published:** 04 July 2005 | **Received:** 24 February 2005 | **Accepted:** 10 June 2005

**Correspondence:** [oezeanyika@aol.com](mailto:oezeanyika@aol.com)

**DOI:** [10.5281/zenodo.18817632](https://doi.org/10.5281/zenodo.18817632)

## Author notes

*Osita Ezeanyika is affiliated with Nigerian Institute of Social and Economic Research (NISER) and focuses on Environmental Science research in Africa.*

*Chinedu Obiakowa is affiliated with Department of Interdisciplinary Studies, University of Port Harcourt and focuses on Environmental Science research in Africa.*

## Abstract

Regional monitoring networks in Nigeria have been established to assess adoption rates of environmental interventions through quasi-experimental designs. A systematic literature review approach was employed, including databases such as Web of Science, Scopus, and Google Scholar. Studies were screened based on predefined criteria related to quasi-experimental designs in environmental monitoring networks in Nigeria. Quasi-experimental design applications showed varying levels of success across different regions, with a notable trend indicating higher adoption rates in urban areas compared to rural settings ( $p < 0.05$ ). Despite inconsistencies in results, the review highlights the potential of quasi-experimental designs for measuring adoption rates in environmental policy interventions. Further research should focus on longitudinal studies and standardised protocols to enhance comparability across different monitoring networks. The empirical specification follows  $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** *Sub-Saharan, regional, monitoring, quasi-experimental, intervention, assessment, evaluation*

## ABSTRACT-ONLY PUBLICATION

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

✉ **REQUEST FULL PAPER**

**Email:** [info@parj.africa](mailto:info@parj.africa)

Request your copy of the full paper today!

## SUBMIT YOUR RESEARCH

**Are you a researcher in Africa? We welcome your submissions!**

Join our community of African scholars and share your groundbreaking work.

**Submit at:** [app.parj.africa](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge