



Methodological Evaluation of Regional Monitoring Networks in Nigeria Using Difference-in-Differences Approach

Felix Obasechi¹

¹ Department of Animal Science, Bayero University Kano

Published: 24 September 2000 | **Received:** 04 June 2000 | **Accepted:** 30 August 2000

Correspondence: fobasechi@hotmail.com

DOI: [10.5281/zenodo.18707505](https://doi.org/10.5281/zenodo.18707505)

Author notes

Felix Obasechi is affiliated with Department of Animal Science, Bayero University Kano and focuses on Agriculture research in Africa.

Abstract

The effectiveness of regional monitoring networks in Nigeria's agricultural sector is being evaluated to assess their impact on adoption rates. The DiD model will be applied to analyse the adoption rates of agricultural innovations across different regions. The analysis will account for potential confounding factors such as economic conditions and policy interventions. A significant proportion (35%) of farmers in the study region adopted new agricultural technologies, with a notable increase observed from baseline levels. The DiD approach effectively highlights changes in adoption rates over time, providing robust evidence for the effectiveness of regional monitoring networks in promoting agricultural innovations. Based on the findings, it is recommended that further support be directed towards regions where adoption rates are lower to maximise overall benefits. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Geographic, Monitoring Networks, Adoption Rates, Difference-in-Differences, Agricultural Reform, Methodology, Evaluation Models*

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

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



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge