



Utilization Studies of Open Source Software for Healthcare Accessibility Among Nigerian University Students,

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Abstract

Healthcare accessibility in Nigerian universities has been a subject of concern due to limited resources and traditional healthcare software usage. A longitudinal study design was employed with quantitative data collection methods including surveys administered annually over five years. Among 500 participants surveyed each year, a consistent 78% reported using open-source software for healthcare tasks, highlighting its growing acceptance and affordability compared to proprietary alternatives. Open-source software significantly enhances accessibility in Nigerian university settings by reducing costs without compromising functionality. Promote training workshops on open-source software usage among students and integrate these tools into academic curricula to maximise their benefits. open source, healthcare access, Nigerian universities, student utilization, longitudinal study Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geographic, Sub-Saharan, Open Source, Accessibility, Utilization, Methodology, Evaluation*

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