



Digital Divide in Rural Ugandan Communities: A Socio-Electronics Analysis

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Abstract

Digital divides in rural communities of Uganda highlight socio-electronics inequalities exacerbated by technology access disparities. A mixed-methods approach combining qualitative interviews with quantitative surveys to assess internet connectivity, device ownership, and usage patterns among rural residents. Rural communities in Uganda exhibit a significant digital divide characterized by only 30% of respondents having access to reliable internet connections, with disparities notably higher for women and lower-income households. Socioeconomic factors significantly influence digital inclusion levels, underscoring the need for targeted interventions focusing on infrastructure development and socio-electronics education. Implement community-led initiatives promoting technology access and skills training, alongside government support for rural broadband expansion.

Keywords: *Uganda, Digital Divide, Socio-Electronics, Rural Development, Technology Access, Inequality Studies, Mixed Methods*

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