



Resilience Dynamics in Nigerian Agricultural Supply Chains Amid Climate Shocks: A Mixed Methods Inquiry

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Abstract

Climate shocks such as droughts and floods have significantly impacted agricultural productivity in Nigeria's supply chains. A mixed methods approach combining semi-structured interviews, focus group discussions, and secondary data analysis to explore farmer perceptions and market responses. Farmers reported a significant reduction in crop yields (average of 30%) due to climate shocks, necessitating immediate adaptation strategies. The study highlights the urgent need for integrated risk management frameworks that incorporate both adaptive agricultural practices and robust supply chain resilience mechanisms. Developing community-based early warning systems and enhancing farmer access to insurance products are recommended solutions. Agricultural Resilience, Climate Shocks, Supply Chain Adaptation, Nigeria

Keywords: *African Geography, Climate Change Adaptation, Mixed Methods, Supply Chain Analysis, Sustainability Frameworks, Quantitative Research Design, Qualitative Inquiry Techniques*

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