



# Community-Based Natural Resource Management in Botswana: A Longitudinal Study

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### Abstract

Community-based natural resource management (CBNRM) in Botswana has been implemented as a strategy to enhance sustainable use of wildlife resources and promote community welfare. A mixed-methods approach was employed, including semi-structured interviews, focus group discussions, and quantitative data analysis using regression models. During the study period, there was a significant increase ( $p < 0.05$ ) in community participation in wildlife management activities, with over 70% of respondents indicating increased engagement. CBNRM has contributed to improved wildlife conservation and socio-economic outcomes for communities, though challenges related to resource availability persist. Enhanced financial support and capacity-building programmes are recommended to sustain CBNRM initiatives. Community-based natural resource management, Botswana, longitudinal study, wildlife conservation, community participation The empirical specification follows  $Y = \beta_{0+\beta} p X + varepsilon$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:**  
Savanna

*Geographical*

*Indicators:*  
*ecology*

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*Frameworks:*  
*methods*

*Theoretical  
Community*

*Concepts:  
empowerment*

*Environmental*

*Conservation*

*Strategies:*

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*Resource Governance Models*

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