Climate Justice and Adaptation Financing in Vulnerable African Regions: A Study in Zimbabwe

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Abstract

This study addresses a current research gap in Environmental Science concerning Climate Justice Perspectives on Adaptation Financing in Vulnerable African Regions in Zimbabwe. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A mixed-methods design was used, combining survey and interview data collected over the study period. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Climate Justice Perspectives on Adaptation Financing in Vulnerable African Regions, Zimbabwe, Africa, Environmental Science, intervention study This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. The empirical specification follows $Y = \beta_{0+\beta}^{\rightarrow} p\, X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Geography, Africa, Spatial Analysis, Vulnerability Assessment, Ecopoetics, Policy Evaluation, Climate Change Adaptation*

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