



# Gender-Sensitive Climate Resilience Programmes and Social Support Groups in Western Kenya: An Impact Evaluation on Livelihood Security

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### Abstract

Gender-sensitive climate resilience programmes in Western Kenya aim to enhance livelihood security by supporting social support groups. The study employed a mixed-methods approach, including surveys, focus group discussions, and interviews with participants from selected villages in Western Kenya. Qualitative analysis was complemented by statistical modelling to assess programme outcomes. Women participating in social support groups reported an average increase of 25% in agricultural output and a 10% rise in income stability compared to baseline levels, indicating significant positive effects on livelihood security. The gender-sensitive climate resilience programmes have demonstrated effectiveness in enhancing the economic well-being of women farmers in Western Kenya. Future research should explore scalability and replication potential. Policy makers should prioritise funding for such inclusive interventions that address both immediate needs and long-term sustainability, particularly focusing on rural areas where social support groups can be most impactful. climate resilience, gender sensitivity, social support groups, livelihood security, mixed-methods evaluation Model estimation used  $\hat{\theta} = \operatorname{argmin}\{\theta\} \operatorname{sumiell}(y_i, f\theta(\xi)) + \lambda \operatorname{Vert}\theta \operatorname{rVert} 2^2$ , with performance evaluated using out-of-sample error.

**Keywords:** Kenya, Climate Resilience, Gender Equity, Social Support Groups, Mixed-Methods Approach, Impact Evaluation, Livelihood Security

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This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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