



# Microfinance and Food Security in Rural Ethiopian Villages: An Income Generation and Access Analysis

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## Abstract

Microfinance interventions have been implemented in various rural communities to address income generation and food security challenges. A mixed-methods approach was employed, including surveys for quantitative data collection and focus group discussions for qualitative insights. Data were analysed using descriptive statistics and thematic analysis. There is a significant positive correlation ( $p < 0.05$ ) between microfinance participation and income generation, with an average increase of

*120 per household in the first year following intervention. Food access improved by 30% among beneficiaries.  $\text{logit}(\pi) = \beta_0 + \beta_1 X_1$ , and uncertainty reported using confidence-interval based inference.*

**Keywords:** *Microfinance, Food Security, Rural Development, Poverty Reduction Strategies, Access Studies, Microcredit, Community Health Initiatives*

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