



# Job Satisfaction Among Healthcare Workers in Rural Ethiopian Villages,

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## Abstract

This study addresses a current research gap in Computer Science concerning Healthcare Worker Retention Study in Rural Ethiopian Villages: Job Satisfaction Survey Results in Ethiopia. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A structured analytical approach was used, integrating formal modelling with domain evidence. 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. Healthcare Worker Retention Study in Rural Ethiopian Villages: Job Satisfaction Survey Results, Ethiopia, Africa, Computer Science, data descriptor This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. 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:** Ethiopia, Rural Health, Healthcare Workforce, Job Satisfaction, Qualitative Research, Quantitative Analysis, Cross-Sectional Study

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