

A Class of Predictive Estimators in Multi-Stage Sampling Using Auxiliary Information

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Abstract

This paper presents a class of predictive estimators for three stages sampling with unequal first and second stage units using auxiliary information. The proposed class consists of three estimators, namely, regression, ratio and product estimators. Under super population model, the proposed predictive regression estimator is found more efficient.

Keywords: Multi-Stage Sampling, Predictive Estimators, Finite Population.