
Improved Estimators for Population Mean using Two Auxiliary Variables in Missing Data

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ABSTRACT

In this paper, we are suggested estimators using two auxiliary variables in simple random sampling for estimating the population mean using missing data. The expressions for the bias, MSEs and minimum MSEs of the proposed estimators are derived. The proposed estimators have been observed to be more precise than other relevant estimators. To support the discussed results, a numerical illustration has been performed on two data sets.