



ORIGINAL ARTICLE

## A LOGARITHMIC CALIBRATION ESTIMATOR OF POPULATION MEAN IN STRATIFIED DOUBLE SAMPLING

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**Abstract:** This article suggests a logarithmic calibration estimator of the population mean in stratified random sampling and the result so obtained has been extended in case of stratified double sampling for estimating the population parameter. In order to check the performance of the suggested estimator with the estimator given by Tracy *et al.* (2003), a simulation study has been carried out on two real datasets.

**Key words:** Auxiliary information, Calibration estimation, Stratified random sampling, Stratified double sampling, Mean.

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