

**Estimation of Population Mean When the Population Mean of Auxiliary Character is  
Not Known**

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**Abstract**

For estimation of population mean, a general class of estimators is proposed when the population mean of auxiliary character is not known. Its large sample properties have been studied particularly the relative bias and relative mean squared error. The relative efficiencies of proposed estimator are compared with mean, ratio, product and different product type estimators according to mean squared error criterion.

**Key Words:** Product estimator, Ratio estimator, Relative bias, Relative mean squared error.