

Optimum Inclusion Probabilities in ‘WOR-Sampling Schemes’

by

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Summary-Typed full paper under preparation: This paper deals with the problem of obtaining a set of optimum inclusion probabilities $\{\pi_i; i = 1, 2, \dots, N\}$, optimum in the sense of having smallest average (δ -model based) mean square (design-based) of the Horvitz-Tompson estimator \hat{Y}_{H-T} . Since optimum π_i 's are dependent on model parameters, a “near optimum” solution based on the estimates of the model parameters have been proposed