

SUMMARY

In this study generalized class of selection procedures for sample of size two and "n" has been derived. Some important results of the procedures and special cases of the procedures have also been derived. Empirical study has been carried out for the selection procedure for sample size two. In the empirical study the ranking of variance of the Horvitz — Thompson estimator for different values of the constants has been calculated.

It has been found that when a is negative and b is positive or both are positive, these pairs are better for those populations who have higher coefficient of positive correlation between X and Y lower coefficient of variation of X .

It is also found that populations with higher positive correlation between Y and X , smaller coefficient of variation of X any pair of a and $b/3$, $(a, b/3)$ and $(-a, b/3)$ can be used.

From the regression analysis it is found that the pair $a=2$ and $b=-1$ has least value of intercept.