ACKNOWLEDGMENT OF PRIORITY

A COUNTEREXAMPLE TO A CORRELATION INEQUALITY IN FINITE SAMPLING

By Kenneth S. Alexander

The Annals of Statistics (1989) 17 436-439

The type of example given in Alexander (1989) is also given in Section 2 of Singh (1954), including graphs showing combinations of population sizes, sample sizes and weights for which the positive-correlation phenomenon occurs. There is further discussion in Seth (1966) and Lanke (1974).

Acknowledgment. I would like to thank Professor Lanke for bringing these papers to my attention.

REFERENCES

- Lanke, J. (1974). On non-negative variance estimators in survey sampling. Sankhyā Ser. C 36 33-42.
- SETH, G. R. (1966). On estimators of variance of estimate of population total in varying probabilities. J. Ind. Soc. Agric. Stat. 18 52-56.
- SINGH, D. (1954). On efficiency of the sampling with varying probabilities without replacement. J. Ind. Soc. Agric. Stat. 6 48-57.

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