ance approaches the value  $\pi^2/6 = 1.6449$ , and somewhat rapidly. For example, the variance of the range of samples of size 10 is 1.4977.

For r=0, the values of  $\kappa_3$  and  $\kappa_4$  approach 2.4041 and  $\pi^4/15=6.4939$  respectively as n becomes infinite. (Values can be obtained from tables of the Riemann zeta function, e.g. [3].) The ratios  $\kappa_3/\kappa_2^{\frac{1}{2}}$  and  $\kappa_4/\kappa_2^2$  approach 1.1395 and 12/5 respectively. For a normal distribution these ratios are, of course, both zero.

## REFERENCES

- [1] J. H. Cadwell, "The distribution of quasi-ranges in samples from a normal population," Ann. Math. Stat., Vol. 24 (1953), pp. 603-613.
- [2] ARTHUR ERDÉLYI, et al., Tables of Integral Transforms, Vol. I, McGraw-Hill Book Co., New York, 1954.
- [3] J. P. Gram, Tafeln für die Riemannsche Zetafunktion, Høst & Søn, Copenhagen, 1925.
- [4] H. LEON HARTER, "The Use of Sample Quasi-Ranges in Estimating Population Standard Deviation," Wright Air Development Center Technical Report 58-200.
- [5] Benjamin Epstein, "Estimates of mean life based on the rth smallest value in a sample of size n drawn from an exponential distribution," Technical Report No. 2 (July 1, 1952), prepared under Contract Nonr-451 (00) [NR-042-017].
- [6] Benjamin Epstein, "Simple estimators of the parameters of exponential distributions when samples are censored," Ann. Math. Stat., Vol. 8 (1956), pp. 15-26.
- [7] Shozo Shimada, "Moments of order statistics drawn from an exponential distribution," Reports of Statistical Application Research, Union of Japanese Scientists and Engineers, Vol. 4 (1957), pp. 153-158.

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#### BY RALPH G. STANTON

V. N. Murty has kindly pointed out to me that the result of my note, "A Note on Balanced Incomplete Block Designs," (Ann. Math. Stat., Vol. 28 (1957), p. 1054), was given previously by K. Kishen and C. R. Rao in "An Examination of Various Inequality Relations Among Parameters of the Balanced Incomplete Block Design" (Journal of the Indian Society of Agricultural Statistics, Vol. IV, No. 2 (1952), pp. 137–144).

# CORRECTION TO "RANDOM ORTHOGONAL TRANSFORMATIONS AND THEIR USE IN SOME CLASSICAL DISTRIBUTION PROBLEMS IN MULTIVARIATE ANALYSIS"

## BY ROBERT A. WIJSMAN

In footnote 3 of the paper cited in the title (Ann. Math. Stat. Vol. 28 (1957), pp. 415-423), for  $\chi^2$  read  $\chi$ .