

REFERENCES

- [1] P. BILLINGSLEY, "The invariance principle for dependent random variables," *Trans. Amer. Math. Soc.* (1956).
- [2] P. R. HALMOS, *Measure Theory*, D. Van Nostrand, New York, 1950.
- [3] J. L. KELLEY, *General Topology*, D. Van Nostrand, New York, 1955.

**CORRECTION TO "PROBABILITIES OF HYPOTHESES AND
INFORMATION-STATISTICS IN SAMPLING FROM
EXPONENTIAL-CLASS POPULATIONS"**

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In the paper cited in the title (*Ann. Math. Stat.*, Vol. 29 (1958), pp. 571-575):
p. 572, line 5. For $\sum \mathbf{x}p(\mathbf{x}, \theta_m)$ read $\sum_{\mathbf{x}} p(\mathbf{x}, \theta_m)$.

**CORRECTION TO "POWER FUNCTIONS OF THE GAMMA
DISTRIBUTION"**

G. D. BERNDT

Professor I. R. Savage has called to my attention, through the Editor, the fact that I have overlooked reference to previous work appearing in Eisenhart, Haystay, and Wallis, *Techniques of Statistical Analysis*, and bearing on results reported by me in the *Annals*, Vol. 29, No. 1, March 1958, pages 302-306.

On pages 274-275 of Eisenhart, Haystay, and Wallis, in Figures 8.1 and 8.2, there are given operating characteristic curves for the chi-squared distribution for eight selected degrees of freedom when the significance level is 0.01 and 0.05. Inasmuch as the chi-squared distribution is a gamma distribution with $\frac{1}{2}$ (degrees of freedom) = the parameter gamma in my paper and with 2 = the parameter beta in my paper, and since their rho is equivalent to my delta, there is a similarity in the reported results. This similarity has resulted in some overlap in the results of the two papers in that ten of my forty-eight power curves have an equivalent in the operating characteristic curves in the previous work.

I should like to acknowledge this previous work, and also that of Ferris, Grubbs, and Weaver, by having the following two references added to the two which already appear at the end of my paper:

- [3] *Selected Techniques of Statistical Analysis*, Churchill Eisenhart, Millard W. Haystay, and W. Allen Wallis, editors, McGraw-Hill, New York, 1947, pp. 270-278.
- [4] CHARLES D. FERRIS, FRANK E. GRUBBS, AND CHALMERS L. WEAVER, "Operating characteristics for some common statistical tests of significance," *Annals of Mathematical Statistics*, Vol. 17 (1946), pp. 178-197.