

E. S. PEARSON AND H. O. HARTLEY, *Biometrika Tables for Statisticians, Volume I*. Cambridge University Press, England, 1966. xvi + 264 pp. \$6.50.

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When a new edition of a popular book appears the first question that comes to mind is how does the new one differ from the old. We will attempt to answer this question here. First, the introductory material covers 103 pages instead of 97 in the second edition. Known errors in any of the tables have been corrected. The new tables included are:

Table 11, "Test for comparisons involving two variances which must be separately estimated," has upper 2.5% and 0.5% critical values added—adding 2 pages of tables.

Table 16, "Percentage points of the B -distribution," has lower 0.25% and 0.1% points added—adding 4 pages of tables.

Table 26, "Percentage points of the extreme studentized deviate from the sample mean," is completely revised and expanded with the lower percentage points deleted—adding 1 page to the tables. A reason for the just mentioned deletion which also gives a way to approximate the lower percentage points is given on page 50 of the introduction.

Table 26a, "Percentage points of $(x_n - \bar{x})/S$ or $(\bar{x} - x_1)/S$ (where $S^2 = \sum_{i=1}^n (x_i - \bar{x})^2 + \nu s_v^2$)," is a new table—adding 1 page to the tables.

Table 26b, "Percentage points of $\max. |x_i - \bar{x}|/S$ (where $S^2 = \sum_{i=1}^n (x_i - \bar{x})^2 + \nu s_v^2$)," is a new table—adding 1 page to the tables.

Table 29, "Percentage points of the studentized range, $q = (x_n - x_1)/s_v$," is completely revised and expanded, has upper 10%, 5% and 1% points, lower percentage points deleted—adding 1 page to the tables.

Table 29a, "Two sample analogue of Student's test. Values of $u = |\bar{x}_1 - \bar{x}_2|/(w_1 + w_2)$ exceeded with probability α ," is a new table—adding 2 pages to the tables.

Table 29b, "Upper percentage points of the ratio of two independent ranges, $F' = w_1/w_2$," is a new table—adding 4 pages to the tables.

Table 29c, "Percentage points of the ratio of range to standard deviation, w/s , where w and s are derived from the same sample of n observations," is a new table—adding 1 page to the tables.

Table 31a, "Percentage points of the ratio $s_{\max}^2/\sum_{t=1}^k s_t^2$," is a new table—adding $\frac{1}{2}$ page to the tables.

Table 31b, "Percentage points of the ratio $w_{\max}/\sum_{t=1}^k w_t$," is a new table—adding $\frac{1}{2}$ page to the tables.

Altogether then there are 18 additional pages of tables and 6 pages of introduction in the third edition, over the second edition.

The tables contained in this volume were selected with the greatest of care.