

# STATISTICAL PUBLICATIONS

## CONCISE TABLES FOR STATISTICIANS

By

K. C. SREEDHARAN PILLAI \*

This book contains statistical tables in common use. An effort has been made to include in this publication tables which will render ease and elegance for the application of elementary statistical methods to numerical data. Numerous statistical tables have been presented in this book for using ranges of samples in place of standard deviations in order to simplify to a great extent the computational procedures.

In addition, for the use of advanced statistical analysis, some tables have been newly prepared and included in this book. These tables will facilitate the analysis of several variate measurements simultaneously.

The contents follow:

### Introduction

Table 1. Ordinates of the Normal Curve

Table 2. Area under the Normal Curve

Table 3. Percentage Points of the  $t$  Distribution

Table 4. Percentage Points of the  $X^2$  Distribution

Table 5. Percentage Points of the Distribution of  $F$

Table 6. Percentage Points of the Distribution of the Range,  $w$

Table 7. Percentage Points of the Distribution of

$$G = (\bar{x} - \mu)/w$$

Table 8. Percentage Points of the Distribution of

$$U = \frac{\bar{x}_1 - \bar{x}_2}{(w_1 + w_2)/2}$$

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\* United Nations Senior Statistical Advisor. Statistical Center, University of the Philippines.

Table 9. Percentage Points of the Distribution of

$$t' = \frac{x_n + x_1 - 2\mu}{x_n - x_1}$$

Table 10. Percentage Points of the Distribution of

$$F' = w_1/w_2$$

Table 11. Percentage Points of the Studentized Range,

$$q = (x_n - x_1)/s_v$$

Table 12. Percentage Points of the Studentized Extreme Deviate from Population Mean,

$$(x_n - \mu)/s_v \text{ or } (\mu - x_1)/s_v$$

Table 13. Percentage Points of Studentized Maximum Modulus

Table 14. Values of the Correlation Coefficient for Different Levels of Significance

Table 15. Correlation Coefficient  $r$ , for Values of  $z$

Table 16. Percentage Points of the Largest Characteristic Root,  $\theta_n$ , of a Matrix in Multivariate Analysis

Table 17. Percentage Points of the Sum of the Roots,  $V^{(s)}$ , of a Matrix in Multivariate Analysis

Table 18. Random Numbers (I - IV)

A brief description of the tables included in the book has been given in the introduction. The tables have been arranged into four sections: A. Univariate, B. Bivariate, C. Multivariate, and D. Miscellaneous. Since most of the tables of the Multivariate section are presented to the reader for the first time, a few applications of the tests connected with these tables are also given using appropriate data.

(Introduction, 15 pages; Tables, 34 pages; Price, \$1.50)

Inquiries on other technical details may be addressed to the author at the Statistical Center, University of the Philippines, P.O. Box 479, Manila, Philippines.