BOOK REVIEWS


The purpose of this book seems to be to develop fundamental statistical concepts for those who wish to reason carefully rather than to provide a compendium of statistical techniques. The author adopts the rather sensible viewpoint that it is from generous rather than meager sets of data that one grasps the general principles underlying the analysis of variation systems, and as a consequence his "original plan to include a critical analysis of small-sample techniques was finally laid aside." From this it should not be inferred that the book contains obsolete methods. On the contrary it treats such topics as chi squared and the sampling distribution of the correlation coefficient. In connection with the latter it even gives a brief discussion of the use of the $t$ distribution for small samples from a population in which the correlation is zero.

Some other topics discussed are binomial, normal, and Poisson series, proportions (including proportions of vital statistics) and their sampling errors, contingency tables. Particular mention might be made of the discussion of the two types of error arising in making tests of significance: (A) insignificance is claimed when significance exists, (B) significance is claimed when it does not exist.

The material is clearly presented, and those who wish to obtain an introduction to modern statistical inference can study the book with profit.

PAUL R. RIDER


This is the fifth and sixth volumes in the series of mathematical tables prepared by the Project for the Computation of Mathematical Tables under the auspices mentioned in the title.

The tabulations of the functions $Si(x)$, $Ci(x)$, $Ei(x)$, and $-Ei(-x)$ over the range from 0 to 2 at intervals 0.0001 in Volume 1 and from 0 to 10 at intervals of 0.001 in Volume 2 are given to nine places of decimals. These tables go a long way toward placing these functions in the class of known functions. Ordinarily, simple linear interpolation