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Book Notices

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Applied Statistics. *Forrest R. Immer.* Burgess Publishing Co., Minneapolis. ii+157 pp. \$4.00.

This book contains an exposition of the use of analysis of variance methods, particularly of those useful in analyzing data of agronomic experiments. The text, published posthumously, is based upon lectures given by Dr. Immer between 1935 and 1946 at the University of Minnesota.

The presentation proceeds from a discussion of a randomized block experiment, through increasingly complex designs, to triple lattice and balanced incomplete block experiments. Emphasis rests on the procedure of analysis, not on the theoretical basis for analysis. The desirability of testing for homogeneity of variance before pooling to estimate the error variance is not emphasized. Nor is the user of analysis of variance methods adequately warned about other assumptions his data and experiments should fulfill. The treatment of discrete variables receives only scant attention, there being one chapter on the χ^2 test of independence in 2×2 contingency tables. Despite these limitations, practicing statisticians will find this a valuable book to possess.

The text is marred by several typographical errors, a few of which will definitely impede a beginner's understanding. An example occurs on page 8 where the variance is defined as $s^2 = S(x - \bar{x})^2$ instead of $s^2 = S(x - \bar{x})^2 / (N - 1)$.

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