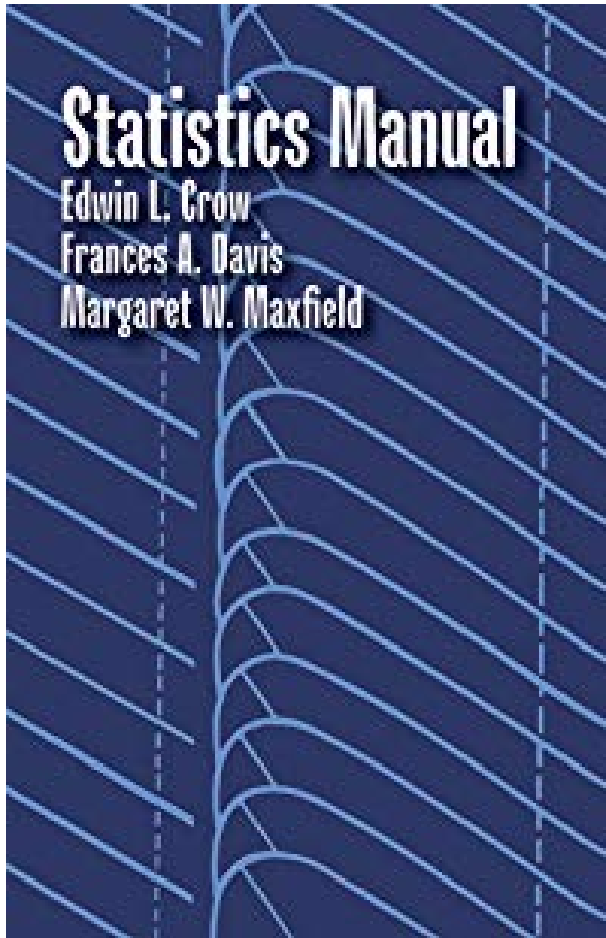


Statistics Manual



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Naval Ordnance Test Station, China Lake, California, to provide a comprehensive collection of classical and modern methods of making statistical inferences. The many examples taken from ordnance development will prove valuable to workers in all fields which use statistics, including the social sciences, as well as the physical sciences and engineering. Formulas, explanations, and methods of application are given, with emphasis throughout on use. The reader is assumed to have a basic knowledge of statistics. Information is given on fiducial limits, power of a test, determination of sample size, sign tests, relations of means and variances, Chi-Square runs, transformations for obtaining normality, sensitivity, analysis of variance tests for homogeneity of variances, linear, multiple, and non-linear regression, correlation, reliability, confidence intervals for predicted values, quality control, measures of central tendency, measures of dispersion, various distributions, and many other areas and topics. An appendix of 32 valuable tables and charts is included, several of which are difficult to find elsewhere. They indicate critical values for the M Distribution for testing the null hypothesis that k populations have the same variance; critical values for runs; critical values for tests using the range; probabilities of shots falling in certain 2-dimensional places, confidence belts for proportions, OC curves, etc. "Well written ... excellent reference work." — Operations Research.