



# Experimental Designs, 2nd Edition

By William G. Cochran, Gertrude M. Cox

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The past six years have seen a substantial increase in the attention paid by research workers to the principles of experimental design. The Second Edition of brings this handbook up to date, while retaining the basic framework that made it so popular. Describes the most useful of the designs that have been developed with accompanying plans and an account of the experimental situations for which each design is most suitable. Examples come from diverse fields of research, with an emphasis on biology and agriculture, two of the authors' specialties. New chapters have been added: one discusses the fractional replication of experiments. A second is concerned with experiments of the factorial type that present new methods and designs in which the factors represent quantitative variables measured on a continuous scale. Other new material includes an introductory account of experimental strategies for finding the levels at which the factors must be set in order to obtain maximum response and coverage of new incomplete block designs.

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