Preamble
This book is in the Century Psychology Series (Editors: Richard M Elliot, Gardner Lindzey and Kenneth MacCorquodale; for the second edition see no. (44) below. It is the first text to be devoted to a specific sub-specialty of medicine, namely psychology and psychiatry, and the first text to include a section on crossover trials.

Aims
This volume is both a textbook on methodology and a critique of the design of research in clinical psychology and psychiatry. Along with the presentation of methodology and technique, it provides a basis for an awareness of some of the subtleties involved in the application of the methods of experimental design and of statistics to the data of human psychopathology. The book is of importance to two broad classes of readers: those who are or who plan to be fairly directly involved in the performance of clinical research and those who are the consumers of such research efforts. These consumers may be psychiatric research administrators, trained psychiatrists and clinical psychologists, research-minded psychoanalysts and psychotherapists, residents in psychiatry, physicians engaged in double-blind clinical trials, professors of psychiatry and clinical psychology, their students and trainees, editors and editorial assistants of journals publishing on research in psychiatry and clinical psychology, and the readers of relevant journal articles (Preface, page xi)

Contents (xviii+280 pages)
Foreword (Leopold Bellak)
Preface (JB Chassan)
1. Logical, epistemological, and statistical preliminaries
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   1.2 Logic and experience
   1.3 Some aspects of logical reasoning and some logical fallacies
   1.4 A little more logic
   1.5 The problem of generalization
   1.6 From universal statements to statements of probability and of statistical significance
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   2.2 Testing for a statistically significant difference between two statistically independent probability estimates, or percentages
   2.3 Testing for a significant difference between percentages when patients are paired
   2.4 Student’s t-test in comparing means from two independent samples
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   2.8 The range of possible true differences which can be consistent with the same set
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3. Some aspects of control and randomization
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   3.2 Historical and concurrent controls
   3.3 Randomization

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4. The double-blind clinical trial
   4.1 The placebo and related effects
   4.2 Some aspects of the influence of investigator expectations and attitudes
   4.3 Proper coding procedures for the reduction of bias within the double-blind
   4.4 Some limitations of the double-blind
   4.5 The double-blind and the psychiatric ideal

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   5.2 The completely randomized clinical trial
   5.3 Selecting the number of treatments for a clinical trial
   5.4 Further considerations concerning the question of whether to include a placebo group
   5.5 Sequential design
   5.6 Crossover design
   5.7 Interpreting comparisons of efficacy after successive weeks of treatment
   5.8 Factorial design
   5.9 Statistical independence and the research setting
   5.10 Screening and the question of dosage
   5.11 Statistical handling of dropouts and patients with side effects

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   6.2 The question of sample size
   6.3 The question of patient characteristics and the selection of patients
   6.4 Some further problems of inference from the data of an extensive design
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   7.4 Logical statistical aspects of intensive design
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7.9 Application to the statistical study of psychoanalytic processes
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  8.3 Reliability as a measure of precision, or consistency
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