1. Record Nr. UNINA9910830866603321 Autore Cochran William G (William Gemmell), <1909-1980.> Titolo Planning and analysis of observational studies [[electronic resource] /] / William G. Cochran; edited by Lincoln E. Moses and Frederick Mosteller New York, : Wiley, c1983 Pubbl/distr/stampa **ISBN** 1-282-30799-1 9786612307997 0-470-31654-3 0-470-31728-0 Descrizione fisica 1 online resource (166 p.) Collana Wiley series in probability and mathematical statistics, , 0271-6356 Altri autori (Persone) MosesLincoln E MostellerFrederick <1916-2006.> Disciplina 001.4 001.42 519.5352 Soggetti Analysis of variance Experimental design Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographies and index. Nota di contenuto Planning and Analysis of Observational Studies; Contents; 1. VARIATION, CONTROL, AND BIAS; 1. I. Introduction; 1.2. Strategy in Controlled Experiments- Sampled and Target Populations; 1.3. The Principal Sources of Variation in the Responses; 1.4. Methods of Control; 1.5. Effects of Bias; 1.6. Summary; References; 2. STATISTICAL INTRODUCTION; 2.1. Drawing Conclusions from Data; 2.2. Tests of Significance; 2.3. Confidence Intervals; 2.4. Systematic Differences Between the Populations; 2.5. The Model When Bias is Present; 2.6. Summary: References; 3. PRELIMINARY ASPECTS OF PLANNING 3.1. Introduction 3.2. The Statement of Objectives; 3.3. The Treatments; 3.4. Measurements of Treatment Levels for Individual Persons and the Effects of Grouping; 3.5. Other Points Related to Treatments; 3.6. Control Treatments; 3.7. The Responses; 3.8. Timing of Measurements; 3.9. summary; References; 4. FURTHER ASPECTS OF PLANNING; 4.1.

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Sommario/riassunto

Treats studies, primarily in human populations, that show casual effects of certain agents, procedures, treatment or programs. Deals with the difficulties that comparative observational studies have because of bias in their design and analysis. Systematically considers the many sources of bias and discusses how care in matching or adjustment of results can reduce the effects of bias in these investigations.