1. Record Nr. UNINA9910146071503321 Autore Chernick Michael R Titolo Introductory biostatistics for the health sciences [[electronic resource]] : modern applications including bootstrap / / Michael R. Chernick and Robert H. Friis Hoboken, N.J., : Wiley-Interscience, c2003 Pubbl/distr/stampa **ISBN** 1-280-36626-5 9786610366262 0-470-31811-2 0-471-45865-1 0-471-45871-6 Descrizione fisica 1 online resource (426 p.) Collana Wiley series in probability and statistics Altri autori (Persone) FriisRobert H Disciplina 519.502461 610.72 Medical statistics Soggetti **Biometry** Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Introductory Biostatistics for the Health Sciences; Contents; Preface; 1. What is Statistics? How is it Applied in the Health Sciences?; 1.1 Definitions of Statistics and Statisticians; 1.2 Why Study Statistics?; 1.3 Types of Studies; 1.3.1 Surveys and Cross-Sectional Studies; 1.3.2 Retrospective Studies; 1.3.3 Prospective Studies; 1.3.4 Experimental Studies and Quality Control; 1.3.5 Clinical Trials; 1.3.6 Epidemiological Studies; 1.3.7 Pharmacoeconomic Studies and Quality of Life; 1.4 Exercises; 1.5 Additional Reading; 2. Defining Populations and Selecting Samples 2.1 What are Populations and Samples?2.2 Why Select a Sample?; 2.3 How Samples Can be Selected: 2.3.1 Simple Random Sampling: 2.3.2 Convenience Sampling; 2.3.3 Systematic Sampling; 2.3.4 Stratified Random Sampling; 2.3.5 Cluster Sampling; 2.3.6 Bootstrap Sampling;

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## Sommario/riassunto

Accessible to medicine- and/or public policy-related audiences, as well as most statisticians. Emphasis on outliers is discussed by way of detection and treatment. Resampling statistics software is incorporated throughout. Motivating applications are presented in light of honest theory. Plentiful exercises are sprinkled throughout.