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	Titolo	Introductory biostatistics for the health sciences [[electronic resource]] : modern applications including bootstrap / / Michael R. Chernick and Robert H. Friis
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	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
	Soggetti	Medical statistics Biometry
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	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; 2.4 How to Select a Simple Random Sample; 2.5 How to Select a Bootstrap Sample; 2.6 Why Does Random Sampling Work?; 2.7 Exercises; 2.8 Additional Reading; 3. Systematic Organization and

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.