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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front Cover; Statistics in Medicine; Copyright Page; Contents; Foreword to the Third Edition; Foreword to the Second Edition; Foreword to the First Edition; Acknowledgments; Databases; Indicators of Prostate Biopsy Results; Background; Data; Effectiveness of a Drug in Reducing Nausea after Gall Bladder Removal; Background; Data; Effect of Azithromycin on Serum Theophylline Levels of Patients with Emphysema; Background; Data; Effect of Protease Inhibitors on Pulmonary Admissions; Background; Data; Effect of Silicone Implants on Plasma Silicon; Background; Data Laser Removal of Tattoos as Related to Type of Ink UsedBackground; Data; Relation of Bone Density to Incidence of Femoral Neck Stress Fractures; Background; Data; Comparing Two Types of Assays on the Effect of Glycosaminoglycans on the Bladder Surface; Background; Data; Prediction of Growth Factors by Platelet Counts; Background; Data; Tests of Recovery after Surgery on Hamstrings or Quadriceps; Background; Data; Survival of Malarial Rats Treated with Hemoglobin, Red Blood Cells, or Placebo; Background; Data; Identification of Risk Factors for Death Following Carinal Resection; Background DataQuality Test on Warfarin International Normalized Ratio Values; Background; Data; Exhaled Nitric Oxide as an Indicator of Exercise-Induced Bronchoconstriction; Background; Data; Comparison of Kidney

Cooling Methods Used to Prolong Surgical Time Window; Background; Data; How to Use This Book; 1 Goals; Purpose of the Book; The Most Used Statistical Methods and Concepts Are Included; Using a Few Data Sets Repeatedly Allows the User to Focus on the Method; 2 Use as a Textbook Versus as a Reference; 3 Possible Schedules for Courses; Short Course; A Three-Credit Semester Course

A Year Course (Six Semester Credits)1 Planning Studies: From Design to Publication; 1.1 Organizing a Study; 1.2 Stages of Scientific Knowledge; Stages; The Causative Process is of Interest, Not the Data; Phase I-IV Studies; 1.3 Science Underlying Clinical Decision Making; The Scientific Method; Jargon in Science; Evidence; Evidence versus Proof; Evidence-Based Medicine; 1.4 Why Do We Need Statistics?; Primary Objective; Population versus Sample; Objective Restated; What Statistics Will Not Do for Us; What Statistics Will Do for Us; 1.5 Concepts in Study Design; Components of a Study

Control Groups and PlacebosVariables; Moving from Sample to Population; Representativeness and Bias; Experimental Design Can Reduce Bias; 1.6 Study Types; Registry; Case-Control Study; Cohort Study; Case-Control Contrasted with Cohort Studies; Randomized Controlled Trial; Paired and Crossover Designs; 1.7 Convergence with Sample Size; 1.8 Sampling Schemes; Purpose of Sampling Schemes; Simple Random Sampling; Systematic Sampling; Caution; Stratified Sampling; Cluster Sampling; 1.9 Sampling Bias; A Pictorial Example of Bias; Increasing Representativeness by Random Samples; Sources of Bias

1.10 How to Randomize a Sample

Sommario/riassunto

Statistics in Medicine, Third Edition makes medical statistics easy to understand by students, practicing physicians, and researchers. The book begins with databases from clinical medicine and uses such data to give multiple worked-out illustrations of every method. The text opens with how to plan studies from conception to publication and what to do with your data, and follows with step-by-step instructions for biostatistical methods from the simplest levels (averages, bar charts) progressively to the more sophisticated methods now being seen in medical articles (multiple regression
