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| Nota di contenuto | Medical Statistics from Scratch; Contents; Preface to the 2nd Edition; Preface to the 1st Edition; Introduction; I Some Fundamental Stuff; 1 First things first - the nature of data; Learning Objectives; Variables and Data; The good, the Bad, and the Ugly - Types of Variable; Categorical Variables; Metric Variables; How can I Tell what Type of Variable I am Dealing with?; II Descriptive Statistics; 2 Describing Data with Tables; Learning Objectives; What is Descriptive Statistics?; The Frequency Table; 3 Describing Data with Charts; Learning Objectives; Picture it! Charting Nominal and Ordinal Data Charting Discrete Metric Data; Charting Continuous Metric Data; Charting Cumulative Data; 4 Describing Data from its Shape; Learning Objectives; The Shape of Things to Come; 5 Describing Data with Numeric Summary Values; Learning Objectives; Numbers R us; Summary Measures of Location; Summary Measures of Spread; Standard Deviation and the Normal Distribution; III Getting the Data; 6 Doing it Right First Time - Designing a Study; Learning Objectives; Hey ho! Hey ho! It's Off to Work we Go; Collecting the Data - Types of Sample; Types of Study; |

Confounding

Matching Comparing Cohort and Case-Control Designs; Getting Stuck in - Experimental Studies; IV From Little to Large - Statistical Inference; 7 From Samples to Populations - Making Inferences; Learning Objectives; Statistical Inference; 8 Probability, Risk and Odds; Learning Objectives; Chance would be a Fine Thing - The Idea of Probability; Calculating Probability; Probability and the Normal Distribution; Risk; Odds; Why you can't Calculate Risk in a Case-Control Study; The Link between Probability and Odds; The Risk Ratio; The Odds Ratio; Number Needed to Treat (NNT)

V The Informed Guess - Confidence Interval Estimation 9 Estimating the Value of a Single Population Parameter - The Idea of Confidence Intervals; Learning Objectives; Confidence Interval Estimation for a Population Mean; Confidence Interval for a Population Proportion; Estimating a Confidence Interval for the Median of a Single Population; 10 Estimating the Difference between Two Population Parameters; Learning Objectives; What's the Difference?; Estimating the Difference between the Means of Two Independent Populations - Using a Method Based on the Two-Sample t Test

Estimating the Difference between Two Matched Population Means - Using a Method Based on the Matched-Pairs t Test Estimating the Difference between Two Independent Population Proportions; Estimating the Difference between Two Independent Population Medians - The Mann-Whitney Rank-Sums Method; Estimating the Difference between Two Matched Population Medians - Wilcoxon Signed-Ranks Method; 11 Estimating the Ratio of Two Population Parameters; Learning Objectives; Estimating Ratios of Means, Risks and Odds; VI Putting it to the Test

12 Testing Hypotheses about the Difference between Two Population Parameters

Sommario/riassunto

This long awaited second edition of this bestseller continues to provide a comprehensive, user friendly, down-to-earth guide to elementary statistics. The book presents a detailed account of the most important procedures for the analysis of data, from the calculation of simple proportions, to a variety of statistical tests, and the use of regression models for modeling of clinical outcomes. The level of mathematics is kept to a minimum to make the material easily accessible to the novice, and a multitude of illustrative cases are included in every chapter, drawn from the current research lit
