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Edizione	[2nd ed.]
Descrizione fisica	1 online resource (714 p.)
Collana	Wiley series in probability and statistics
Altri autori (Persone)	ClarkeWilliam R (William Radue)
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Nota di contenuto	Statistical Methods for the Analysis of Biomedical Data; Dedication; Contents; Preface to the 1987 Edition; Preface to the 2002 Edition; Acknowledgments: 1 Introduction: 1.1 Overview of Statistics: 1.2 A

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4.1 Introduction	4.1	Introduction
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	<ul> <li>4.2 Populations, Samples, and Random Samples4.3 Parameters and Statistics; 4.4 Permutations and Combinations: Factorial Notation; 4.5 Some Discrete Probability Distributions; 4.5.1 Binomial Distribution; 4.5.2 Poisson Distribution; 4.5.3 Hypergeometric Distribution; 4.5.4 Multinomial Distribution; 4.6 Normal Probability Distribution; 4.7 Sampling Distributions: Probability Distributions Generated by Random Sampling; 4.8 The t, 2, and F Probability Distributions; 4.9 Summary; Problems; References; 5 Confidence Intervals and Hypothesis Testing: General Considerations and Applications</li> <li>5.1 Introduction5.2 Estimation of Population Characteristics: Point and Interval Estimation; 5.2.1 Confidence Interval for a Population Mean with Variance 2 Unknown; 5.2.3 Confidence Interval for the Variance 2 of a Normal Population; 5.2.4 Confidence Interval for the Variance 2 of a Normal Population Mean 2 Known; 5.3.2 Hypothesis Testing for a Population Mean 2 Unknown; 5.3.3 Hypothesis Testing for a Population Mean 2 Unknown; 5.3.3 Hypothesis Testing for a Population Mean 2 Unknown; 5.3.3 Hypothesis Testing for Binomial Parameter p5.4 Using SAS for Computations; 5.5 Summary; Problems; References; 6 Comparison of Two Groups: t-Tests and Rank Tests; 6.1 Introduction; 6.2 Use of t-Tests for Group Comparisons; 6.2.2 Two-Sample t-Test for Comparing Means: A Test for Two Independent Groups; 6.2.3 Cochran-Cox t-Test for Equality of Means: A Modified t-Test for Two Independent Groups; 6.2.4 The F-Test for Equality of Variances: A Test for Two Independent Groups; 6.2.5 Transformation of Data to Equalize Variance</li> </ul>
Sommario/riassunto	The new edition adds a chapter on multiple linear regression in biomedical research, with sections including the multiple linear regressions model and least squares; the ANOVA table, parameter estimates, and confidence intervals; partial f-tests; polynomial regression; and analysis of covariance.* Organized by problem rather than method, so it guides readers to the correct technique for solving the problem at hand.