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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Biostatistical Design and Analysis Using R; Contents; Preface; R quick reference card; General key to statistical methods; 1 Introduction to R; 2 Datasets; 3 Introductory statistical principles; 4 Sampling and experimental design with R; 5 Graphical data presentation; 6 Simple hypothesis testing - one and two population tests; 7 Introduction to Linear models; 8 Correlation and simple linear regression; 9 Multiple and curvilinear regression; 10 Single factor classification (ANOVA); 11 Nested ANOVA; 12 Factorial ANOVA 13 Unreplicated factorial designs - randomized block and simple repeated measures14 Partly nested designs: split plot and complex repeated measures; 15 Analysis of covariance (ANCOVA); 16 Simple Frequency Analysis; 17 Generalized linear models (GLM); Bibliography; R index; Statistics index
Sommario/riassunto	R - the statistical and graphical environment is rapidly emerging as an important set of teaching and research tools for biologists. This book draws upon the popularity and free availability of R to couple the theory and practice of biostatistics into a single treatment, so as to provide a textbook for biologists learning statistics, R, or both. An abridged

description of biostatistical principles and analysis sequence keys are combined together with worked examples of the practical use of R into a complete practical guide to designing and analyzing real biological research. Topics covere