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Titolo	Introduction to biostatistical applications in health research with Microsoft Office Excel / / Robert P. Hirsch
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2016
ISBN	1-119-08999-9 1-119-09009-1 9781119090090
Descrizione fisica	1 online resource (411 p.)
Collana	Foundation for the Advanced Education in the Sciences.
Classificazione	610.285 461.9 007.63 007.6384 WA 950
Disciplina	610.285
Soggetti	Electronic spreadsheets -- Computer programs Biometry Medical statistics -- Computer programs Biostatistics -- methods Data Interpretation, Statistical Mathematical Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index
Nota di contenuto	Thinking about chance -- Describing populations -- Examining samples -- Univariable analysis of a continuous dependent variable -- Univariable analysis of an ordinal dependent variable -- Univariable analysis of a nominal dependent variable -- Bivariable analysis of a continuous dependent variable -- Bivariable analysis of an ordinal dependent variable -- Bivariable analysis of a nominal dependent variable -- Multivariable analysis of a continuous dependent variable -- Multivariable analysis of an ordinal dependent variable -- Multivariable analysis of a nominal dependent variable.
Sommario/riassunto	A practical and methodological approach to the statistical logic of biostatistics in the field of health research Focusing on a basic

understanding of the methods and analyses in health research, Introduction to Biostatistical Applications in Health Research with Microsoft® Office Excel® provides statistical concepts for interpreting results using Excel. The book emphasizes the application of methods and presents the most common methodological procedures in health research, which includes multiple regression, ANOVA, ANCOVA, logistic regression, Cox regression, stratified analysis, life table analysis, and nonparametric parallels. The book is constructed around a flowchart that outlines the appropriate circumstances for selecting a method to analyze a specific set of data. Beginning with an introduction to the foundational methods of statistical logic before moving on to more complex methods, Introduction to Biostatistical Applications in Health Research with Microsoft® Office Excel® also includes:

- * Detailed discussions of how knowledge and skills in health research have been integrated with biostatistical methods
- * Numerous examples with clear explanations that use mostly real-world health research data in order to provide a better understanding of the practical applications
- * Implements Excel graphic representations throughout to help readers evaluate and analyze individual results
- * An appendix with basic information on how to use Excel
- * A companion website with additional Excel files, data sets, and homework problems as well as an Instructor's Solutions Manual

Introduction to Biostatistical Applications in Health Research with Microsoft® Office Excel® is an excellent textbook for upper-undergraduate and graduate-level courses in biostatistics and public health. In addition, the book is an appropriate reference for both health researchers and professionals.
