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Titolo	Introduction to biostatistical applications in health research with Microsoft Office Excel and R // Robert P. Hirsch
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ISBN	1-119-72262-4 1-119-72268-3 1-119-72264-0
Edizione	[Second edition.]
Descrizione fisica	1 online resource (640 pages)
Disciplina	005.369
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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 -- Testing Assumptions.
Sommario/riassunto	"Focusing on a basic understanding of the methods and analyses in health research, Introduction to Biostatistical Applications in Health Research with Microsoft Office Excel, 2e 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. Some updates for this new edition: The flowcharts from the first edition will be expanded to include indicators of the assumptions of each procedure. This will be added to facilitate selection of a statistical approach to

analyze a particular set of data. The existing twelve chapters describing statistical principals and statistical methods will be maintained. They have been proven to provide students with a clear and useful approach to the subject in use as a textbook and workbook in a graduate statistics course. An additional chapter will be added to the book that discusses the assumptions of statistical procedures. This chapter will describe each assumption, tell how to determine if the assumption is appropriate for a particular set of data, and provide solutions to situations in which the assumptions are not met by the data set. This chapter will provide students and researchers with the information they need to select an appropriate method of analysis and to apply that method to a set of data. The workbook will include a corresponding chapter that will provide students with practice identifying assumptions, testing for their satisfaction, and applying solutions to violation of assumptions. R will also be included to broaden the appeal and audience for the book"--
