1.	Record Nr.	UNINA9910828465803321
	Autore	Waller Lance A. <1965->
	Titolo	Applied spatial statistics for public health data / / Lance A. Waller, Carol A. Gotway
	Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, 2004
	ISBN	9786610345885
		9781280345883
		1280345888
		9780471662679
		0471662674
		9780471662686
		0471662682
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (522 p.)
	Collana	Wiley series in probability and statistics
	Altri autori (Persone)	GotwayCarol A. <1961->
	Disciplina	614/.07/27
	Soggetti	Public health - Statistical methods
		Spatial analysis (Statistics)
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Applied Spatial Statistics for Public Health Data; Contents; Preface; Acknowledgments; 1 Introduction; 1.1 Why Spatial Data in Public Health?; 1.2 Why Statistical Methods for Spatial Data?; 1.3 Intersection of Three Fields of Study; 1.4 Organization of the Book; 2 Analyzing Public Health Data; 2.1 Observational vs. Experimental Data; 2.2 Risk and Rates; 2.2.1 Incidence and Prevalence; 2.2.2 Risk; 2.2.3 Estimating Risk: Rates and Proportions; 2.2.4 Relative and Attributable Risks; 2.3 Making Rates Comparable: Standardized Rates; 2.3.1 Direct Standardization; 2.3.2 Indirect Standardization 2.3.3 Direct or Indirect?2.3.4 Standardizing to What Standard?; 2.3.5 Cautions with Standardized Rates; 2.4 Basic Epidemiological Study Designs; 2.4.1 Prospective Cohort Studies; 2.4.2 Retrospective Case-Control Studies; 2.4.3 Other Types of Epidemiological Studies; 2.5 Basic Analytic Tool: The Odds Ratio; 2.6 Modeling Counts and Rates; 2.6.1 Generalized Linear Models; 2.6.2 Logistic Regression; 2.6.3 Poisson Regression; 2.7 Challenges in the Analysis of Observational Data; 2.7.1

| Sommario/riassunto | An application-based introduction to the statistical analysis of spatially referenced health data Sparked by the growing interest in statistical methods for the analysis of spatially referenced data in the field of public health, Applied Spatial Statistics for Public Health Data fills the need for an introductory, application-oriented text on this timely subject. Written for practicing public health researchers as well as graduate students in related fields, the text provides a thorough introduction to basic concepts and methods in applied spatial statistics as well as a detail |