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Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Author; Chapter 1: Introduction; Chapter 2: Causal Reasoning and Study Designs; Chapter 3: Basic Statistical Concepts and Tools; Chapter 4: Quantifying Growth and Development: Use of Existing Tools; Chapter 5: Regression Analysis of Quantitative Outcomes; Chapter 6: Regression Analysis of Binary Outcomes; Chapter 7: Regression Analysis of Censored Outcomes; Chapter 8: Analysis of Repeated Measurements and Clustered Data; Chapter 9: Quantifying Growth: Development of New Tools; Chapter 10: Quantifying Development: Development of New Tools Chapter 11: Defining Growth and Development: Longitudinal Measurements Chapter 12: Validity and Reliability; Chapter 13: Missing Values and Imputation; Chapter 14: Multiple Comparisons; Chapter 15: Regression Analysis Strategy; References; Appendix A: Stata Codes to Generate Simulated Clinical Trial (SCT) Dataset; Appendix B: Stata Codes to Generate Simulated Longitudinal Study (SLS) Dataset; Appendix C: Stata Program for Detrended Q-Q Plot; Appendix D: Stata Program for Weighted Maximum Likelihood Estimation for Binary Items; Appendix D1: Subroutine 1 for WMLE; Appendix D2: Subroutine 2 for WMLE Back Cover

Sommario/riassunto

Human growth refers to changes in anthropometric measurements, such as fetal size parameters, height, weight, and body mass index. Development refers to changes in cognitive, social-emotional, locomotor, and other abilities. This book illustrates how statistical methods can be used to answer research questions in human growth and development. In addition to describing methods, it looks at how well a method addresses a specific research question and how to interpret and present the analytic results. Although the examples are drawn from human growth and development, the concepts and methods are applicable to studies of many other physical and psychological phenomena, such as lung function and depressive symptoms. Requiring introductory statistics knowledge, the book is intended for clinical researchers, epidemiologists, social scientists, statisticians, related researchers, and post-graduate students investigating human growth and development--Provided by publisher.
