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Nota di contenuto	Front cover; Contents; Preface; Chapter 1. Introduction; Chapter 2. Concepts Related to the Logistic Model; Chapter 3. Estimation Methods; Chapter 4. Derivation of the Binary Logistic Algorithm; Chapter 5. Model Development; Chapter 6. Inteactions; Chapter 7. Analysis of Model Fit; Chapter 8. Binomial Logistic Regression; Chapter 9. Overdispersion; Chapter 10. Ordered Logistic Regression; Chapter 11. Multinomial Logistic Regression; Chapter 12. Alternative Categorical Response Models; Chapter 13. Panel Models; Chapter 14. Other Types of Logistic-Based Models Chapter 15. Exact Logistic Regression Conclusion; Appendix A: Brief Guide to Using Stata Commands; Appendix B: Stata and R Logistic Models; Appendix C: Greek Letters and Major Functions; Appendix D: Stata Binary Logistic Command; Appendix E: Derivation of the Beta Binomial; Appendix F: Likelihood Function of the Adaptive Gauss-Hermite Quadrature Method of Estimation; Appendix G: Data Sets; Appendix H: Marginal Effects and Discrete Change ; References; Author Index; Subject Index; Back cover

Sommario/riassunto

This text presents an overview of the full range of logistic models, including binary, proportional, ordered, and categorical response regression procedures. It illustrates how to apply the models to medical, health, environmental/ecological, physical, and social science data. Stata is used to develop, evaluate, and display most models while R code is given at the end of most chapters. The author examines the theoretical foundation of the models and describes how each type of model is established, interpreted, and evaluated as to its goodness of fit. Example data sets are available online in various formats and a solutions manual is available upon qualifying course adoption.
