

1. Record Nr.	UNINA9910812458003321
Autore	Berridge Damon M.
Titolo	Multivariate generalized linear mixed models using R // Damon M. Berridge, Robert Crouchley
Pubbl/distr/stampa	Boca Raton, Fla., : CRC Press, c2011 Boca Raton, Fla. : , : CRC Press, , 2011
ISBN	0-429-19160-X 1-4987-4070-7 1-4398-1327-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (284 p.)
Altri autori (Persone)	CrouchleyRobert
Disciplina	003/.35133
Soggetti	R (Computer program language) Social sciences - Research - Mathematical models Social sciences - Research - Statistical methods Social sciences - Research - Data processing Multivariate analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A Chapman & Hall book.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front Cover; Contents; List of Figures; List of Tables; List of Applications; List of Datasets; Preface; Acknowledgments; 1. Introduction; 2. Generalized linear models for continuous/interval scale data; 3. Generalized linear models for other types of data; 4. Family of generalized linear models; 5. Mixed models for continuous/interval scale data; 6. Mixed models for binary data; 7. Mixed models for ordinal data; 8. Mixed models for count data; 9. Family of two-level generalized linear models; 10. Three-level generalized linear models; 11. Models for multivariate data 12. Models for duration and event history data 13. Stayers, non-susceptibles and endpoints; 14. Handling initial conditions/state dependence in binary data; 15. Incidental parameters: an empirical comparison of fixed effects and random effects models; A. SabreR installation, SabreR commands, quadrature, estimation, endogenous effects; B. Introduction to R for Sabre; References
Sommario/riassunto	To provide researchers with the ability to analyze large and complex

data sets using robust models, this book presents a unified framework for a broad class of models that can be applied using a dedicated R package (Sabre). The first five chapters cover the analysis of multilevel models using univariate generalized linear mixed models (GLMMs). The next few chapters extend to multivariate GLMMs and the last chapters address more specialized topics, such as parallel computing for large-scale analyses. Each chapter includes many real-world examples implemented using Sabre as well as exercises and

---