. Record Nr.	UNISA996466552203316
Autore	Chen Ding-Geng (Din)
Titolo	Statistical Regression Modeling with R [[electronic resource]] : Longitudinal and Multi-level Modeling / / by Ding-Geng (Din) Chen, Jenny K. Chen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-67583-1
Edizione	[1st ed. 2021.]
Descrizione fisica	
Collana	Emerging Topics in Statistics and Biostatistics, , 2524-7743
Disciplina	519.536
Soggetti	Statistics Programming languages (Electronic computers) Statistical Theory and Methods Applied Statistics Programming Language Anàlisi de regressió R (Llenguatge de programació) Llibres electrònics
Lingua di pubblicaz	ione Inglese
Formato	Materiale a stampa
Livello bibliografico	
Nota di contenuto	 Linear Regression 2. Introduction to Multi-Level Regression 3. Two-Level Multi-Level Modeling 4. Higher-Level Multi-Level Modeling 5. Longitudinal Data Analysis 6. Nonlinear Regression Modeling 7. Nonlinear Mixed-Effects Modeling 8. Generalized Linear Model 9. Generalized Multi-Level Model for Dichotomous Outcome 10. Generalized Multi-Level Model for Counts Outcome.
Sommario/riassunt	

1.

development of statistics and data science. With data and computing programs available to facilitate readers' learning experience, Statistical Regression Modeling promotes the applications of R in linear, nonlinear, longitudinal and multi-level regression. All included datasets, as well as the associated R program in packages nlme and lme4 for multi-level regression, are detailed in Appendix A. This book will be valuable in graduate courses on applied regression, as well as for practitioners and researchers in the fields of data science, statistical analytics, public health, and related fields.