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Titolo	Linear models [[electronic resource] ] : the theory and application of analysis of variance / / Brenton R. Clarke
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2008
ISBN	1-281-76672-0 9786611766726 0-470-37799-2 0-470-37797-6
Descrizione fisica	1 online resource (xviii, 241 p.) : illustrated
Collana	Wiley series in probability and statistics
Disciplina	519.5/38
Soggetti	Linear models (Statistics) Analysis of variance Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Projection matrices and vector space theory -- Least squares theory -- Distribution theory -- Helmert matrices and orthogonal relationships -- Further discussion of ANOVA -- Residual analysis: diagnostics and robustness -- Models that include variance components -- Likelihood approaches -- Uncorrelated residuals formed from the linear model -- Further inferential questions relating to ANOVA.
Sommario/riassunto	An insightful approach to the analysis of variance in the study of linear models Linear Models explores the theory of linear models and the dynamic relationships that these models have with Analysis of Variance (ANOVA), experimental design, and random and mixed-model effects. This one-of-a-kind book emphasizes an approach that clearly explains the distribution theory of linear models and experimental design starting from basic mathematical concepts in linear algebra. The author begins with a presentation of the classic fixed-effects linear model and goes on to illustrate eight common linear mode.