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| Titolo | Hierarchical modelling for the environmental sciences [[electronic resource]] : statistical methods and applications // edited by James S. Clark and Alan E. Gelfand |
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| Descrizione fisica | 1 online resource (216 p.) |
| Altri autori (Persone) | ClarkJames Samuel <1957-> GelfandAlan E. <1945-> |
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| Soggetti | Bayesian statistical decision theory Multilevel models (Statistics) Mathematical statistics - Data processing Environmental sciences - Statistical methods Electronic books. |
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| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references (p. 185-195) and index. |
| Nota di contenuto | Preface; Contents; Contributors; Part I: Introduction to hierarchical modeling; 1 Elements of hierarchical Bayesian inference; 2 Bayesian hierarchical models in geographical genetics; Part II: Hierarchical models in experimental settings; 3 Synthesizing ecological experiments and observational data with hierarchical Bayes; 4 Effects of global change on inflorescence production: a Bayesian hierarchical analysis; Part III: Spatial modeling; 5 Building statistical models to analyze species distributions 6 Implications of vulnerability to hurricane damage for long-term survival of tropical tree species: a Bayesian hierarchical analysisPart IV: Spatio-temporal modeling; 7 Spatial-temporal statistical modeling and prediction of environmental processes; 8 Hierarchical Bayesian spatio-temporal models for population spread; 9 Spatial models for the distribution of extremes; References; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; X; Y; Z |

Sommario/riassunto

'...if you are already quite well acquainted with Bayesian concepts and terminology then this book should provide an excellent guide to the application of these advanced statistical techniques within ecology.'
Justin Travis, Bulletin of the British Ecological Society 2007 38:1 -
