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Titolo	Case studies in Bayesian statistical modelling and analysis / / edited by Clair Alston, Kerrie Mengersen, and Anthony Pettitt
Pubbl/distr/stampa	Chichester, West Sussex, : John Wiley & Sons Inc., 2012
ISBN	9781118394472 111839447X 9781283656344 1283656345 9781118394496 1118394496
Edizione	[1st edition]
Descrizione fisica	1 online resource (499 p.)
Collana	Wiley Series in Probability and Statistics
Altri autori (Persone)	AlstonClair MengersenKerrie L PettittAnthony (Anthony N.)
Disciplina	519.5/42
Soggetti	Bayesian statistical decision theory Statistical decision
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Case Studies in Bayesian Statistical Modelling and Analysis; Contents; Preface; List of contributors; 1 Introduction; 1.1 Introduction; 1.2 Overview; 1.3 Further reading; 1.3.1 Bayesian theory and methodology; 1.3.2 Bayesian methodology; 1.3.3 Bayesian computation; 1.3.4 Bayesian software; 1.3.5 Applications; References; 2 Introduction to MCMC; 2.1 Introduction; 2.2 Gibbs sampling; 2.2.1 Example: Bivariate normal; 2.2.2 Example: Change-point model; 2.3 Metropolis-Hastings algorithms; 2.3.1 Example: Component-wise MH or MH within Gibbs; 2.3.2 Extensions to basic MCMC; 2.3.3 Adaptive MCMC 2.3.4 Doubly intractable problems2.4 Approximate Bayesian computation; 2.5 Reversible jump MCMC; 2.6 MCMC for some further applications; References; 3 Priors: Silent or active partners of Bayesian inference?; 3.1 Priors in the very beginning; 3.1.1 Priors as a basis for learning; 3.1.2 Priors and philosophy; 3.1.3 Prior chronology; 3.1.4 Pooling prior information; 3.2 Methodology I: Priors defined by

mathematical criteria; 3.2.1 Conjugate priors; 3.2.2 Impropriety and hierarchical priors; 3.2.3 Zellner's g-prior for regression models; 3.2.4 Objective priors
3.3 Methodology II: Modelling informative priors3.3.1 Informative modelling approaches; 3.3.2 Elicitation of distributions; 3.4 Case studies; 3.4.1 Normal likelihood: Time to submit research dissertations; 3.4.2 Binomial likelihood: Surveillance for exotic plant pests; 3.4.3 Mixture model likelihood: Bioregionalization; 3.4.4 Logistic regression likelihood: Mapping species distribution via habitat models; 3.5 Discussion; 3.5.1 Limitations; 3.5.2 Finding out about the problem; 3.5.3 Prior formulation; 3.5.4 Communication; 3.5.5 Conclusion; Acknowledgements; References
4 Bayesian analysis of the normal linear regression model4.1 Introduction; 4.2 Case studies; 4.2.1 Case study 1: Boston housing data set; 4.2.2 Case study 2: Production of cars and station wagons; 4.3 Matrix notation and the likelihood; 4.4 Posterior inference; 4.4.1 Natural conjugate prior; 4.4.2 Alternative prior specifications; 4.4.3 Generalizations of the normal linear model; 4.4.4 Variable selection; 4.5 Analysis; 4.5.1 Case study 1: Boston housing data set; 4.5.2 Case study 2: Car production data set; References; 5 Adapting ICU mortality models for local data: A Bayesian approach
5.1 Introduction5.2 Case study: Updating a known risk-adjustment model for local use; 5.3 Models and methods; 5.4 Data analysis and results; 5.4.1 Updating using the training data; 5.4.2 Updating the model yearly; 5.5 Discussion; References; 6 A Bayesian regression model with variable selection for genome-wide association studies; 6.1 Introduction; 6.2 Case study: Case-control of Type 1 diabetes; 6.3 Case study: GENICA; 6.4 Models and methods; 6.4.1 Main effect models; 6.4.2 Main effects and interactions; 6.5 Data analysis and results; 6.5.1 WTCCC TID; 6.5.2 GENICA; 6.6 Discussion
Acknowledgements

Sommario/riassunto

Provides an accessible foundation to Bayesian analysis using real world models This book aims to present an introduction to Bayesian modelling and computation, by considering real case studies drawn from diverse fields spanning ecology, health, genetics and finance. Each chapter comprises a description of the problem, the corresponding model, the computational method, results and inferences as well as the issues that arise in the implementation of these approaches. Case Studies in Bayesian Statistical Modelling and Analysis: Illustrates how

2. Record Nr. UNISALENTO991003034379707536

Autore	Fontana, Carlo <1634-1714>
Titolo	Utilissimo trattato dell'acque correnti diviso in tre libri : nel quale si notificano le misure, ed esperienze di esse, i giuochi, e scherzi, li quali per mezzo dell'aria, e del fuoco, vengono operati dall'acqua, con una esatta notizia di tutto quello ch'è stato operato intorno alla conduttura dell'Acqua di Bracciano. Il tutto con diligenza e studio osservato e dato in luce con le delineazioni dal cavaliler Carlo Fontana
Pubbl/distr/stampa	In Roma : nella stamperia di Gio. Francesco Buagni, 1696
Descrizione fisica	16, 196, [16] p., [2] c. di tav. (ripieg). : ill., piante; 2° (36 cm).
Soggetti	Acqua Acquedotti - Italia - Roma Aqua Paola (Roma)
Lingua di pubblicazione	Italiano
Formato	Microfilm
Livello bibliografico	Monografia
Note generali	Dedica: "Alla Sagra e Real Maestà di Giuseppe Ignazio d'Austria Re' de Romani, &c." Frontoni, iniziali, finali xilografici. Incisioni calcografiche. Riproduzione in microfiche dell'originale conservato presso la Biblioteca Apostolica Vaticana

3. Record Nr. UNINA9910220059203321

Autore	Bernard J. Baars
Titolo	What can neuroscience learn from contemplative practices?
Pubbl/distr/stampa	Frontiers Media SA, 2016
Descrizione fisica	1 online resource (166 p.)
Collana	Frontiers Research Topics
Soggetti	Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Sommario/riassunto

A recent wave of brain research has advanced our understanding of the neural mechanisms of conscious states, contents and functions. A host of questions remain to be explored, as shown by lively debates between models of higher vs. lower-order aspects of consciousness, as well as global vs. local models. (Baars 2007; Block, 2009; Dennett and Cohen, 2011; Lau and Rosenthal, 2011). Over some twenty-five centuries the contemplative traditions have also developed explicit descriptions and taxonomies of the mind, to interpret experiences that are often reported in contemplative practices (Radhakrishnan & Moore, 1967; Rinbochay & Naper, 1981). These traditional descriptions sometimes converge on current scientific debates, such as the question of conceptual vs. non-conceptual consciousness; reflexivity or "self-knowing" associated with consciousness; the sense of self and consciousness; and aspects of consciousness that are said to continue during sleep. These real or claimed aspects of consciousness have not been fully integrated into scientific models so far. This Research Topic in Consciousness Research aims to provide a forum for theoretical proposals, new empirical findings, integrative literature reviews, and methodological improvements inspired by meditation-based models. We include a broad array of topics, including but not limited to: replicable findings from a variety of systematic mental practices; changes in brain functioning and organization that can be attributed to such practices; their effects on adaptation and neural plasticity;

measurable effects on perception, cognition, affect and self-referential processes. We include contributions that address the question of causal attribution. Many published studies are correlational in nature, because of the inherent difficulty of conducting longitudinal experiments based on a major lifestyle decision, such as the decision to commit to a mental practice over a period of years. We also feature clinical and case studies, integrative syntheses and significant opinion articles.