1. Record Nr. UNINA9910786894103321 Autore Hahn Eugene D. **Titolo** Bayesian methods for management and business: pragmatic solutions for real problems / / Eugene D. Hahn Hoboken, New Jersey:,: Wiley,, 2014 Pubbl/distr/stampa 2014 **ISBN** 1-118-93519-5 Descrizione fisica 1 online resource (787 p.) Collana New York Academy of Sciences Classificazione 336.1 650.01/519542 Disciplina 650.01/519542 Soggetti Management - Statistical methods Commercial statistics Bayesian statistical decision theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes bibliographical references (p. 346-356) and indexes Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto Machine generated contents note: 1 Introduction to Bayesian Methods 1 1.1 Bayesian Methods: An Aerial Survey 1 1.2 Bayes' Theorem 4 1.3 Bayes' Theorem and the Focus Group 6 1.4 The Flavors of Probability 9 1.5 Summary 12 1.6 Notation Introduced in This Chapter 12 2 A First Look at Bayesian Computation 13 2.1 Getting Started 13 2.2 Selecting the Likelihood Function 14 2.3 Selecting the Functional Form 18 2.4 Selecting the Prior 19 2.5 Finding the Normalizing Constant 20 2.6 Obtaining the Posterior 20 2.7 Communicating Findings 25 2.8 Predicting Future Outcomes 28 2.9 Summary 30 2.10 Exercises 31 2.11 Notation Introduced in This Chapter 32 3 Computer-Assisted Bayesian Computation 33 3.1 Getting Started 33 3.2 Random Number Sequences 34 3.3 Monte Carlo Integration 36 3.4 Monte Carlo Simulation for Inference 40 3.5 The Conjugate Normal Model 44 3.6 In Practice: The Conjugate Normal Model 50 3.7 Count Data and the Conjugate Poisson Model 57 3.8 Summary 61 3.9 Exercises 62 3.10 Notation Introduced in This Chapter 63 3.11 Appendix - In Detail: Finding Posterior Distributions for the Normal Model 63 4 MCMC and Regression Models 71 4.1 Introduction to Markov Chain Monte Carlo 71 4.2 Fundamentals

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