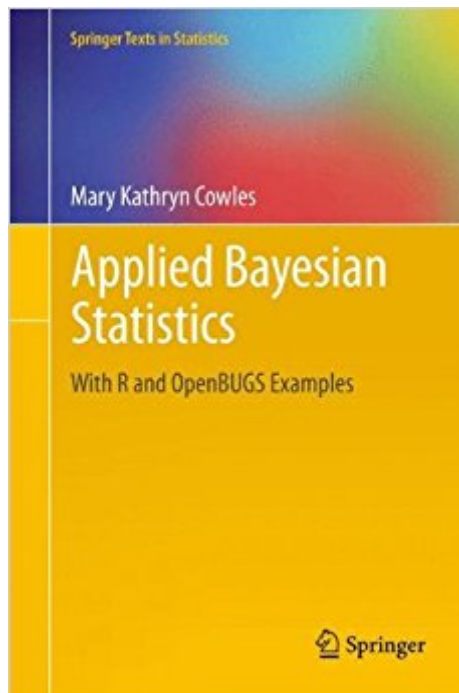


The book was found

Applied Bayesian Statistics: With R And OpenBUGS Examples (Springer Texts In Statistics)



Synopsis

This book is based on over a dozen years teaching a Bayesian Statistics course. The material presented here has been used by students of different levels and disciplines, including advanced undergraduates studying Mathematics and Statistics and students in graduate programs in Statistics, Biostatistics, Engineering, Economics, Marketing, Pharmacy, and Psychology. The goal of the book is to impart the basics of designing and carrying out Bayesian analyses, and interpreting and communicating the results. In addition, readers will learn to use the predominant software for Bayesian model-fitting, R and OpenBUGS. The practical approach this book takes will help students of all levels to build understanding of the concepts and procedures required to answer real questions by performing Bayesian analysis of real data. Topics covered include comparing and contrasting Bayesian and classical methods, specifying hierarchical models, and assessing Markov chain Monte Carlo output. Kate Cowles taught Suzuki piano for many years before going to graduate school in Biostatistics. Her research areas are Bayesian and computational statistics, with application to environmental science. She is on the faculty of Statistics at The University of Iowa.

Book Information

Series: Springer Texts in Statistics (Book 98)

Hardcover: 232 pages

Publisher: Springer; 2013 edition (January 3, 2013)

Language: English

ISBN-10: 1461456959

ISBN-13: 978-1461456957

Product Dimensions: 6.2 x 0.7 x 9.2 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 2.7 out of 5 stars See all reviews (3 customer reviews)

Best Sellers Rank: #1,082,454 in Books (See Top 100 in Books) #79 in Books > Science & Math > Chemistry > Crystallography #2797 in Books > Textbooks > Science & Mathematics > Mathematics > Statistics #4112 in Books > Science & Math > Mathematics > Applied > Probability & Statistics

Customer Reviews

As a theory book, it is superficial and doesn't go into much depth but still requires a calculus base. I wasn't really interested in a heavy theory book, so that was fine. The explanations are not the best,

but not awful. As an applied book, it does give many examples, but the examples are light up till about chapter 8 (out of 11). Chapter 9 starts to get into hierarchical bayesian modeling, but it isn't very well explained. The example the author uses is a softball example and in table 1, the data is presented incorrectly. She labels the binary 1,0 as at bats, and then n as hits. How do you get 5 hits at 1 at bat? Later in the chapter, it is flipped back to 1 being there was a hit out of 5 attempts. That makes more sense. Little errors like that make it difficult for a novice like me to follow the model, notations, and what is trying to be estimated. As a software manual, it is poorly written. R is barely talked about in chapters 1 through 7, and she uses the LearnBayes package from another book. That made me wonder why I'm using this book and not the other one. Openbugs isn't introduced till chapter 8 (out of 11), and it is a very cursory look. I gave up after the middle of chapter 9, because it wasn't giving me what I wanted. I'm not sure what that is exactly, just not a good fit for me. I did not purchase this book, but got it from the library to look it over before deciding. This isn't a horrible book, just not very clear what it is suppose to be.

"Applied Bayesian statistics" is a decent, if unremarkable, introduction to Bayesian statistics - but it is just not competitive with "Doing Bayesian data analysis" by John Kruschke, which actually costs less if you get a used copy. UPD. Second edition of "Doing Bayesian data analysis" is now out, widening the lead. "Bayesian statistics for the social sciences" by Kaplan is another better-than-this option.

Terse. Incomplete. Author is completely unresponsive to any requests for information.

[Download to continue reading...](#)

Applied Bayesian Statistics: With R and OpenBUGS Examples (Springer Texts in Statistics)
Bayesian Methods for Hackers: Probabilistic Programming and Bayesian Inference
(Addison-Wesley Data & Analytics) Matrix Algebra: Theory, Computations, and Applications in
Statistics (Springer Texts in Statistics) All of Statistics: A Concise Course in Statistical Inference
(Springer Texts in Statistics) Statistics for People Who (Think They) Hate Statistics (Salkind,
Statistics for People Who(Think They Hate Statistics(Without CD)) Modeling Longitudinal Data
(Springer Texts in Statistics) Modern Applied Statistics With S-Plus (Statistics and Computing)
Books of Breathing and Related Texts -Late Egyptian Religious Texts in the British Museum Vol.1
(Catalogue of the Books of the Dead and Other Religious Texts in the British Museum) Bankruptcy
and Debtor/Creditor: Examples and Explanations (Examples & Explanations) Examples &
Explanations: Legal Writing, Second Edition (Examples and Explanations) Examples and

Explanations: Remedies, 2nd Edition (Examples & Explanations) Examples & Explanation: Criminal Procedure Constitution & Police, Seventh Edition (Examples & Explanations) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Ending Spam: Bayesian Content Filtering and the Art of Statistical Language Classification Machine Learning: A Bayesian and Optimization Perspective (Net Developers) Bayesian Designs for Phase I-II Clinical Trials (Chapman & Hall/CRC Biostatistics Series) Bayes or Bust?: A Critical Examination of Bayesian Confirmation Theory (MIT Press) Data Analysis: A Bayesian Tutorial Data Analysis: A Bayesian Tutorial (Oxford Science Publications) Supply Chain Management and Advanced Planning: Concepts, Models, Software, and Case Studies (Springer Texts in Business and Economics)

[Dmca](#)