



DOWNLOAD



## An Introduction to Bayesian Analysis: Theory and Methods (Paperback)

---

By Jayanta K. Ghosh, Mohan Delampady, Tapas Samanta

Springer-Verlag New York Inc., United States, 2010. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This is a graduate-level textbook on Bayesian analysis blending modern Bayesian theory, methods, and applications. Starting from basic statistics, undergraduate calculus and linear algebra, ideas of both subjective and objective Bayesian analysis are developed to a level where real-life data can be analyzed using the current techniques of statistical computing. Advances in both low-dimensional and high-dimensional problems are covered, as well as important topics such as empirical Bayes and hierarchical Bayes methods and Markov chain Monte Carlo (MCMC) techniques. Many topics are at the cutting edge of statistical research. Solutions to common inference problems appear throughout the text along with discussion of what prior to choose. There is a discussion of elicitation of a subjective prior as well as the motivation, applicability, and limitations of objective priors. By way of important applications the book presents microarrays, nonparametric regression via wavelets as well as DMA mixtures of normals, and spatial analysis with illustrations using simulated and real data. Theoretical topics at the cutting edge include high-dimensional model selection and Intrinsic Bayes Factors, which the authors have successfully applied to geological mapping....



READ ONLINE  
[ 5.25 MB ]

### Reviews

*Complete manual! Its such a great study. It really is written in straightforward phrases rather than hard to understand. You are going to like the way the article writer create this publication.*

-- **Ike Fadel**

*Comprehensive guideline for book lovers. It is really simplified but excitement in the fifty percent in the publication. Your daily life period is going to be change as soon as you full looking at this book.*

-- **Kayley Lind**