Statistical Modeling And Computation is written by Dirk P. Kroese in English language. Release on 2013-11-18, this book has 420 page count that include valuable information with lovely reading experience. The book was publish by Springer Science & Business Media, it is one of best mathematical statistics book genre that gave you everything love about reading. You can find Statistical Modeling And Computation book with ISBN 9781461487753.
This textbook on statistical modeling and statistical inference will assist advanced undergraduate and graduate students. Statistical Modeling and Computation provides a unique introduction to modern Statistics from both classical and Bayesian perspectives. It also offers an integrated treatment of Mathematical Statistics and modern statistical computation, emphasizing statistical modeling, computational techniques, and applications. Each of the three parts will cover topics essential to university courses. Part I covers the fundamentals of probability theory. In Part II, the authors introduce a wide variety of classical models that include, among others, linear regression and ANOVA models. In Part III, the authors address the statistical analysis and computation of various advanced models, such as generalized linear, state-space and Gaussian models. Particular attention is paid to fast Monte Carlo techniques for Bayesian inference on these models. Throughout the book the authors include a large number of illustrative examples and solved problems. The book also features a section with solutions, an appendix that serves as a MATLAB primer, and a mathematical supplement.

Statistical Modeling And Computation Related Books

Statistical Aspects of Quality Control (Statistical Modeling and Decision Science)
On-line and off-line quality control are the two methods used to discern a products reliability of quality. Though they are disparate techniques, both methods are used to achieve the same result. This introductory textbook integrates the two techniques to present a wide coverage of statistical methods of quality control. The text is compact, stressing the key ideas and concepts rather than trying to cover each method in complete depth. Statistical Aspects of Quality Control is an excellent start...

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This text for graduate students discusses the mathematical foundations of statistical inference for building three-dimensional models from image and sensor data that contain noise--a task involving autonomous robots guided by video cameras and sensors. The text employs a theoretical accuracy for the optimization procedure, which maximizes the reliability of estimations based on noise data. The numerous mathematical prerequisites for developing the theories are explained systematically in separat...

Modeling and Computation in Engineering II
Modeling and Computation in Engineering II (CMCE 2013, Hong Kong, 22-23 June 2013) includes 50 contributions on modeling and simulation technology, which were presented at the 2nd SREE Conference on Modeling and Computation in Engineering (CMCE 2013) and the 3rd SREE Workshop on Applied Mechanics and Civil Engineering (AMCE 2013), both held in Hong Kong, 22-23 June 2013. The topics covered include: - Modeling technology - Simulation technology and tools - Computation methods and their engineeri...

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Data-Driven Modeling & Scientific Computation
Combining scientific computing methods and algorithms with modern data analysis techniques, including basic applications of compressive sensing and machine learning, this book develops techniques that allow for the integration of the dynamics of complex systems and big data. MATLAB is used throughout for mathematical solution strategies.
Differential Dynamical Systems (Monographs on Mathematical Modeling and Computation)

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