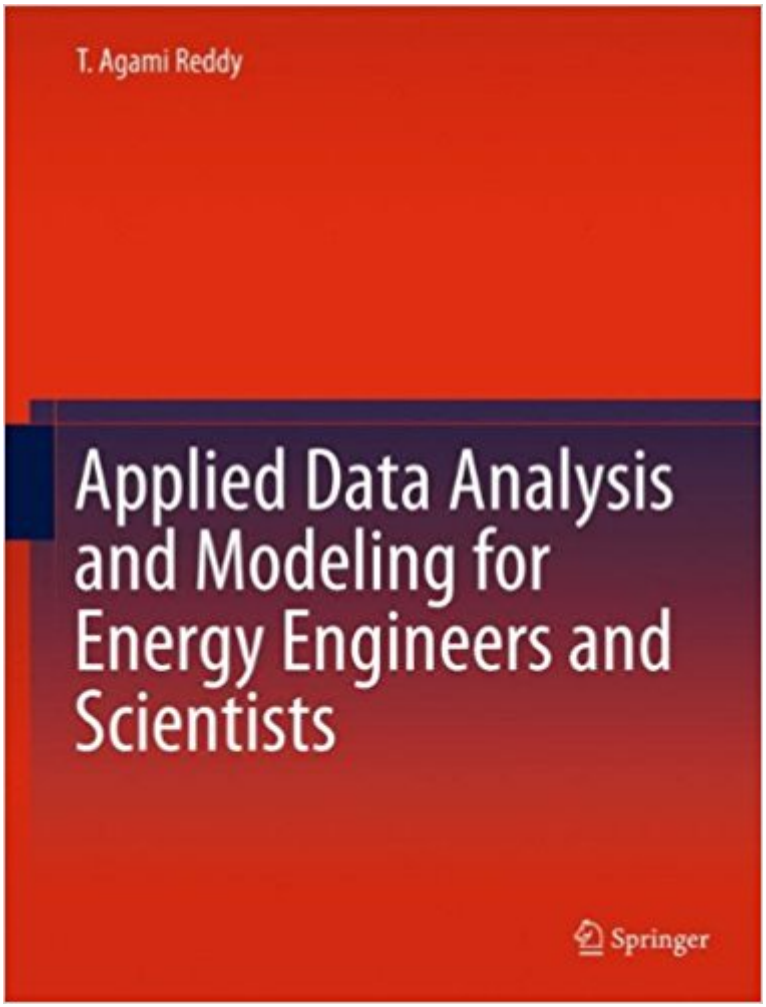
Applied Data Analysis And Modeling For Energy Engineers And Scientists



Synopsis

Applied Data Analysis and Modeling for Energy Engineers and Scientists fills an identified gap in engineering and science education and practice for both students and practitioners. It demonstrates how to apply concepts and methods learned in disparate courses such as mathematical modeling, probability,statistics, experimental design, regression, model building, optimization, risk analysis and decision-making to actual engineering processes and systems. The text provides a formal structure that offers a basic, broad and unified perspective,while imparting the knowledge, skills and confidence to work in data analysis and modeling. This volume uses numerous solved examples, published case studies from the authorÃ¢â ¬â„¢s own research, and well-conceived problems in order to enhance comprehension levels among readers and their understanding of the Ã¢â ¬Å“processesÃ¢â ¬Â•along with the tools.

Book Information

Hardcover: 430 pages

Publisher: Springer; 2011 edition (August 9, 2011)

Language: English

ISBN-10: 1441996125

ISBN-13: 978-1441996121

Product Dimensions: 8.4 x 1.2 x 11 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #754,741 in Books (See Top 100 in Books) #80 inÃ Â Books > Science & Math > Mathematics > Applied > Stochastic Modeling #362 inÃ Â Books > Science & Math > Physics > Dynamics > Thermodynamics #759 inÃ Â Books > Textbooks > Science & Mathematics > Mechanics

Customer Reviews

Applied Data Analysis and Modeling for Energy Engineers and Scientists fills an identified gap in engineering and science education and practice for both students and practitioners. It demonstrates how to apply concepts and methods learned in disparate courses such as mathematical modeling, probability,statistics, experimental design, regression, model building, optimization, risk analysis and decision-making to actual engineering processes and systems. The text provides a formal structure that offers a basic, broad and unified perspective,while imparting the knowledge, skills and confidence to work in data analysis and modeling. This volume uses numerous solved examples,

published case studies from the authorÃ¢â ¬â„¢s own research, and well-conceived problems in order to enhance comprehension levels among readers and their understanding of the Ã¢â ¬Å“processesÃ¢â ¬Â•along with the tools. Applied Data Analysis and Modeling for Energy Engineers and Scientists is an ideal volume for researchers, practitioners, and senior level or graduate students working in energy engineering, mathematical modeling and other related areas. Ã Â

I am currently using this book in a data analysis class and have found this book to be an invaluable collection of analytical techniques and modelling strategies relevant to the building energy domain. This book effectively presents material that would otherwise have to be researched from dozens of separate books across a wide range of mathematical topics

for Engineers & Scientists Solutions Manual to Accompany Applied Mathematics and Modeling for Chemical Engineers Reiki: The Healing Energy of Reiki - BeginnerÃ¢â ¬â„¢s Guide for Reiki Energy and Spiritual Healing: Reiki: Easy and Simple Energy Healing Techniques Using the ... Energy Healing for Beginners Book 1)