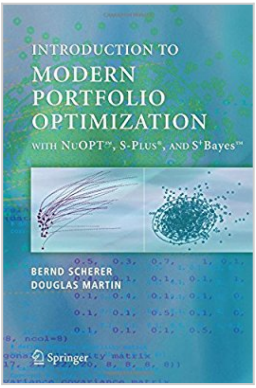

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes

By Bernd Scherer, R. Douglas Martin

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin

In recent years portfolio optimization and construction methodologies have become an increasingly critical ingredient of asset and fund management, while at the same time portfolio risk assessment has become an essential ingredient in risk management. This trend will only accelerate in the coming years. This practical handbook fills the gap between current university instruction and current industry practice. It provides a comprehensive computationally-oriented treatment of modern portfolio optimization and construction methods using the powerful NUOPT for S-PLUS optimizer.

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes

By Bernd Scherer, R. Douglas Martin

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin

In recent years portfolio optimization and construction methodologies have become an increasingly critical ingredient of asset and fund management, while at the same time portfolio risk assessment has become an essential ingredient in risk management. This trend will only accelerate in the coming years. This practical handbook fills the gap between current university instruction and current industry practice. It provides a comprehensive computationally-oriented treatment of modern portfolio optimization and construction methods using the powerful NUOPT for S-PLUS optimizer.

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin Bibliography

- Sales Rank: #2695412 in Books
- Published on: 2005
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .94" w x 6.14" l, 1.75 pounds
- Binding: Hardcover
- 406 pages

Editorial Review

Review

From the reviews:

"With regard to static portfolio optimization, the book gives a good survey on the development from the basic Markowitz approach to state of the art models and is in particular valuable for direct use in practice or for lectures combined with practical exercises." *Short Book Reviews of the International Statistical Institute, December 2005*

"Portfolio theory deals with how to allocate resources among several alternatives. … this book will be especially appealing for practitioners and graduate students with an interest in methods. … this book covers many aspects of modern portfolio theory with the main focus on their implementation in S-PLUS. … this book contains a variety of valuable tools for the practitioner using S-PLUS." (Matthias Fischer, Statistical Papers, Vol. 48, 2006)

"This book's subtitle, 'With NuOPT™ , S-PLUS® and S+ Bayes™,' highlights one of its special features. It is loaded with S-PLUS scripts, more than 100 of them. … The book also features statistical methodology that adds considerably to the tool set that would be traditionally used for portfolio optimization. … this is definitely an MBA-level textbook." (Technometrics, Vol. 48 (3), August, 2006)

"This book discusses modern portfolio optimization and applications. It is intended for quantitative finance professionals and graduate students in finance, operation research and applied mathematics." (Qin Lu, Zentralblatt MATH, Vol. 1104 (6), 2007)

From the Back Cover

In recent years portfolio optimization and construction methodologies have become an increasingly critical ingredient of asset and fund management, while at the same time portfolio risk assessment has become an essential ingredient in risk management, and this trend will only accelerate in the coming years. Unfortunately there is a large gap between the limited treatment of portfolio construction methods that are presented in most university courses with relatively little hands-on experience and limited computing tools, and the rich and varied aspects of portfolio construction that are used in practice in the finance industry. Current practice demands the use of modern methods of portfolio construction that go well beyond the classical Markowitz mean-variance optimality theory and require the use of powerful scalable numerical optimization methods. This book fills the gap between current university instruction and current industry practice by providing a comprehensive computationally-oriented treatment of modern portfolio optimization and construction methods. The computational aspect of the book is based on extensive use of S-Plus®, the S+NuOPT™ optimization module, the S-Plus Robust Library and the S+Bayes™ Library, along with about 100 S-Plus scripts and some CRSP® sample data sets of stock returns. A special time-limited version of the S-Plus software is available to purchasers of this book.

"For money managers and investment professionals in the field, optimization is truly a can of worms rather left un-opened, until now! Here lies a thorough explanation of almost all possibilities one can think of for portfolio optimization, complete with error estimation techniques and explanation of when non-normality plays a part. A highly recommended and practical handbook for the consummate professional and student alike!"

Steven P. Greiner, Ph.D.

Chief Large Cap Quant & Fundamental Research Manager

Harris Investment Management

"The authors take a huge step in the long struggle to establish applied post-modern portfolio theory. The optimization and statistical techniques generalize the normal linear model to include robustness, non-normality, and semi-conjugate Bayesian analysis via MCMC. The techniques are very clearly demonstrated by the extensive use and tight integration of S-Plus software. Their book should be an enormous help to students and practitioners trying to move beyond traditional modern portfolio theory."

Peter Knez

CIO, Global Head of Fixed Income

Barclays Global Investors

Users Review

From reader reviews:

Michael Mazzariello:

Do you one of people who can't read enjoyable if the sentence chained inside straightway, hold on guys this aren't like that. This Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes book is readable by means of you who hate the straight word style. You will find the details here are arrange for enjoyable reading experience without leaving even decrease the knowledge that want to supply to you. The writer involving Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes content conveys thinking easily to understand by lots of people. The printed and e-book are not different in the content material but it just different in the form of it. So , do you continue to thinking Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes is not loveable to be your top checklist reading book?

Mark Thomas:

The ability that you get from Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes may be the more deep you searching the information that hide in the words the more you get interested in reading it. It does not mean that this book is hard to recognise but Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes giving you excitement feeling of reading. The writer conveys their point in certain way that can be understood simply by anyone who read the idea because the author of this reserve is well-known enough. This book also makes your personal vocabulary increase well. Therefore it is easy to understand then can go to you, both in printed or e-book style are available. We recommend you for having that Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes instantly.

Ross Larson:

Do you have something that you prefer such as book? The e-book lovers usually prefer to select book like comic, brief story and the biggest the first is novel. Now, why not attempting Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes that give your fun preference will be satisfied simply by reading this book. Reading practice all over the world can be said as the opportunity for people to know world a great deal better then how they react towards the world. It can't be stated constantly that reading practice only for the geeky man but for all of you who wants to always be success person. So , for all you who want to start studying as your good habit, you may pick Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes become your own starter.

Vanessa Gilliam:

Can you one of the book lovers? If so, do you ever feeling doubt when you are in the book store? Attempt to pick one book that you just dont know the inside because don't evaluate book by its handle may doesn't work here is difficult job because you are scared that the inside maybe not while fantastic as in the outside seem likes. Maybe you answer may be Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes why because the great cover that make you consider concerning the content will not disappoint a person. The inside or content is definitely fantastic as the outside or even cover. Your reading sixth sense will directly direct you to pick up this book.

Read Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin for online ebook

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin books to read online.

Online Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin ebook PDF download

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin Doc

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin Mobipocket

Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin EPub

T9B5Y2ZLVJP: Introduction to Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes By Bernd Scherer, R. Douglas Martin