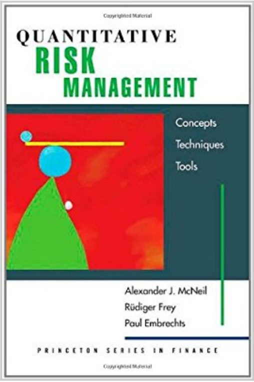

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance)

By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts

Download now

Read Online

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts

The implementation of sound quantitative risk models is a vital concern for all financial institutions, and this trend has accelerated in recent years with regulatory processes such as Basel II. This book provides a comprehensive treatment of the theoretical concepts and modelling techniques of quantitative risk management and equips readers--whether financial risk analysts, actuaries, regulators, or students of quantitative finance--with practical tools to solve real-world problems. The authors cover methods for market, credit, and operational risk modelling; place standard industry approaches on a more formal footing; and describe recent developments that go beyond, and address main deficiencies of, current practice.

The book's methodology draws on diverse quantitative disciplines, from mathematical finance through statistics and econometrics to actuarial mathematics. Main concepts discussed include loss distributions, risk measures, and risk aggregation and allocation principles. A main theme is the need to satisfactorily address extreme outcomes and the dependence of key risk drivers. The techniques required derive from multivariate statistical analysis, financial time series modelling, copulas, and extreme value theory. A more technical chapter addresses credit derivatives. Based on courses taught to masters students and professionals, this book is a unique and fundamental reference that is set to become a standard in the field.

Download Quantitative Risk Management: Concepts, Techniques ...pdf

Read Online Quantitative Risk Management: Concepts, Techniqu ...pdf

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance)

By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts

The implementation of sound quantitative risk models is a vital concern for all financial institutions, and this trend has accelerated in recent years with regulatory processes such as Basel II. This book provides a comprehensive treatment of the theoretical concepts and modelling techniques of quantitative risk management and equips readers--whether financial risk analysts, actuaries, regulators, or students of quantitative finance--with practical tools to solve real-world problems. The authors cover methods for market, credit, and operational risk modelling; place standard industry approaches on a more formal footing; and describe recent developments that go beyond, and address main deficiencies of, current practice.

The book's methodology draws on diverse quantitative disciplines, from mathematical finance through statistics and econometrics to actuarial mathematics. Main concepts discussed include loss distributions, risk measures, and risk aggregation and allocation principles. A main theme is the need to satisfactorily address extreme outcomes and the dependence of key risk drivers. The techniques required derive from multivariate statistical analysis, financial time series modelling, copulas, and extreme value theory. A more technical chapter addresses credit derivatives. Based on courses taught to masters students and professionals, this book is a unique and fundamental reference that is set to become a standard in the field.

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts Bibliography

- Sales Rank: #1276099 in Books
- Published on: 2005-10-16
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 1.34" h x 6.50" w x 9.48" l,
- Binding: Hardcover
- 538 pages

Download Quantitative Risk Management: Concepts, Techniques ...pdf

Read Online Quantitative Risk Management: Concepts, Techniqu ...pdf

Download and Read Free Online Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts

Editorial Review

Review

One of the Top 10 Technical Books on Financial Engineering by *Financial Engineering News* for 2006

"*Quantitative Risk Managment* can be highly recommended to anyone looking for an excellent survey of the most important techniques and tools used in this rapidly growing field."**--Holger Drees, *Risk***

"This book provides a state-of-the-art discussion of the three main categories of risk in financial markets, market risk, . . . credit risk . . . and operational risk. . . . This is a high level, but well-written treatment, rigorous (sometimes succinct), complete with theorems and proofs."**--D.L. McLeish, *Short Book Reviews of the International Statistical Institute***

"*Quantitative Risk Management* is highly recommended for financial regulators. The statistical and mathematical tools facilitate a better understanding of the strengths and weaknesses of a useful range of advanced risk-management concepts and models, while the focus on aggregate risk enhances the publication's value to banking and insurance supervisors."**--Hans Blommestein, *The Financial Regulator***

"A great summary of the latest techniques available within quantitative risk measurement. . . . [I]t is an excellent text to have on the shelf as a reference when your day job covers the whole spectrum of quantitative techniques in risk management."**--*Financial Engineering News***

"Alexander McNeil, Rudiger Frey and Paul Embrechts have written a beautiful book. . . . [T]here is no book that can provide the type of rigorous, detailed, well balanced and relevant coverage of quantitative risk management topics that *Quantitative Risk Management: Concepts, Techniques, and Tools* offers. . . . I believe that this work may become the book on quantitative risk management. . . . [N]o book that I know of can provide better guidance."**--Dr. Riccardo Rebonato, *Global Association of Risk Professionals (GARP) Review***

"This is a very impressive book on a rapidly growing field. It certainly helps to discover the forest in an area where a lot of trees are popping up daily."**--Hans Bühlmann, *SIAM Review***

From the Back Cover

"This book is a compendium of the statistical arrows that should be in any quantitative risk manager's quiver. It includes extensive discussion of dynamic volatility models, extreme value theory, copulas, and credit risk. Academics, Ph.D. students, and quantitative practitioners will find many new and useful results in this important volume."**--Robert F. Engle III, 2003 Nobel Laureate in Economic Sciences, Michael Armellino Professor in the Management of Financial Services at New York University's Stern School of Business**

"This book provides a framework and a useful toolkit for analysis a wide variety of risk management problems. Common pitfalls are pointed out, and mathematical sophistication is used in pursuit of useful and usable solutions. Every financial institution has a risk management department that looks at aggregated portfolio-wide risks on longer time scales, and at risk exposure to large, or extreme, market movements. Risk managers are always on the lookout for good techniques to help them do their jobs. This very good book provides these techniques and addresses an important, and under-developed, area of practical research."**--Martin Baxter, Nomura International**

"McNeil, Frey, and Embrechts present a wide-ranging yet remarkably clear and coherent introduction to the modelling of financial risk. Unlike most finance texts, where the focus is on pricing individual instruments, the primary focus in this book is the statistical behavior of *portfolios* of risky instruments, which is, after all, the primary concern of risk management. This ought to be a core text in every risk manager's training, and a useful reference for experienced professionals."**--Michael Gordy**

"There is no book that provides the type of rigorous and detailed coverage of risk management topics that this book does. This could become the book on quantitative risk management."**--Riccardo Rebonato, Royal Bank of Scotland, author of *Modern Pricing of Interest-Rate Derivatives***

About the Author
Alexander J. McNeil is Professor of Mathematics at the Swiss Federal Institute of Technology (ETH) in Zurich. Rudiger Frey is Professor of Financial Mathematics at the University of Leipzig. Paul Embrechts, Professor of Insurance Mathematics at the Swiss Federal Institute of Technology (ETH) in Zurich, is the coauthor of "Modelling Extremal Events for Insurance and Finance".

Users Review

From reader reviews:

David Chambers:

Now a day folks who Living in the era wherever everything reachable by connect with the internet and the resources in it can be true or not need people to be aware of each details they get. How many people to be smart in receiving any information nowadays? Of course the solution is reading a book. Reading through a book can help men and women out of this uncertainty Information specially this Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) book because this book offers you rich details and knowledge. Of course the info in this book hundred percent guarantees there is no doubt in it you know.

Albert Guerra:

Nowadays reading books be than want or need but also get a life style. This reading habit give you lot of advantages. Associate programs you got of course the knowledge the actual information inside the book which improve your knowledge and information. The knowledge you get based on what kind of reserve you read, if you want send more knowledge just go with schooling books but if you want feel happy read one having theme for entertaining including comic or novel. Often the Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) is kind of book which is giving the reader unpredictable experience.

Phyllis Sharrow:

Information is provisions for folks to get better life, information today can get by anyone in everywhere. The information can be a know-how or any news even restricted. What people must be consider while those information which is inside former life are challenging be find than now's taking seriously which one is appropriate to believe or which one often the resource are convinced. If you find the unstable resource then you obtain it as your main information you will see huge disadvantage for you. All those possibilities will not happen within you if you take Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) as the daily resource information.

Ann Strickland:

Reading a book make you to get more knowledge as a result. You can take knowledge and information from the book. Book is composed or printed or highlighted from each source this filled update of news. Within this modern era like now, many ways to get information are available for you. From media social just like newspaper, magazines, science publication, encyclopedia, reference book, novel and comic. You can add your understanding by that book. Ready to spend your spare time to open your book? Or just trying to find the Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) when you needed it?

Download and Read Online Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts #9G5U7JIATV1

Read Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts for online ebook

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts 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 Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts books to read online.

Online Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts ebook PDF download

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts Doc

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts Mobipocket

Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts EPub

9G5U7JIATV1: Quantitative Risk Management: Concepts, Techniques, and Tools (Princeton Series in Finance) By Alexander J. McNeil, Rüdiger Frey, Paul Embrechts