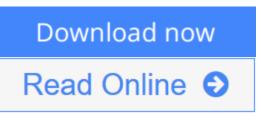


Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment)

From Palgrave Macmillan



Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan

As technology advancement has increased, so to have computational applications for forecasting, modelling and trading financial markets and information, and practitioners are finding ever more complex solutions to financial challenges. Neural networking is a highly effective, trainable algorithmic approach which emulates certain aspects of human brain functions, and is used extensively in financial forecasting allowing for quick investment decision making.

This book presents the most cutting-edge artificial intelligence (AI)/neural networking applications for markets, assets and other areas of finance. Split into four sections, the book first explores time series analysis for forecasting and trading across a range of assets, including derivatives, exchange traded funds, debt and equity instruments. This section will focus on pattern recognition, market timing models, forecasting and trading of financial time series. Section II provides insights into macro and microeconomics and how AI techniques could be used to better understand and predict economic variables. Section III focuses on corporate finance and credit analysis providing an insight into corporate structures and credit, and establishing a relationship between financial statement analysis and the influence of various financial scenarios. Section IV focuses on portfolio management, exploring applications for portfolio theory, asset allocation and optimization.

This book also provides some of the latest research in the field of artificial intelligence and finance, and provides in-depth analysis and highly applicable tools and techniques for practitioners and researchers in this field.

**<u>Download</u>** Artificial Intelligence in Financial Markets: Cutt ...pdf

**Read Online** Artificial Intelligence in Financial Markets: Cu ...pdf

# Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment)

From Palgrave Macmillan

Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan

As technology advancement has increased, so to have computational applications for forecasting, modelling and trading financial markets and information, and practitioners are finding ever more complex solutions to financial challenges. Neural networking is a highly effective, trainable algorithmic approach which emulates certain aspects of human brain functions, and is used extensively in financial forecasting allowing for quick investment decision making.

This book presents the most cutting-edge artificial intelligence (AI)/neural networking applications for markets, assets and other areas of finance. Split into four sections, the book first explores time series analysis for forecasting and trading across a range of assets, including derivatives, exchange traded funds, debt and equity instruments. This section will focus on pattern recognition, market timing models, forecasting and trading of financial time series. Section II provides insights into macro and microeconomics and how AI techniques could be used to better understand and predict economic variables. Section III focuses on corporate finance and credit analysis providing an insight into corporate structures and credit, and establishing a relationship between financial statement analysis and the influence of various financial scenarios. Section IV focuses on portfolio management, exploring applications for portfolio theory, asset allocation and optimization.

This book also provides some of the latest research in the field of artificial intelligence and finance, and provides in-depth analysis and highly applicable tools and techniques for practitioners and researchers in this field.

Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan Bibliography

- Sales Rank: #293331 in Books
- Published on: 2016-12-21
- Original language: English
- Number of items: 1
- Dimensions: 9.59" h x .94" w x 6.45" l, .0 pounds
- Binding: Hardcover
- 344 pages

**Download** Artificial Intelligence in Financial Markets: Cutt ...pdf

**Read Online** Artificial Intelligence in Financial Markets: Cu ...pdf

Download and Read Free Online Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan

# **Editorial Review**

### From the Back Cover

As technology advancement has increased, so to have computational applications for forecasting, modelling and trading financial markets and information, and practitioners are finding ever more complex solutions to financial challenges. Neural networking is a highly effective, trainable algorithmic approach which emulates certain aspects of human brain functions, and is used extensively in financial forecasting allowing for quick investment decision making.

This book presents the most cutting-edge artificial intelligence (AI)/neural networking applications for markets, assets and other areas of finance. Split into four sections, the book first explores time series analysis for forecasting and trading across a range of assets, including derivatives, exchange traded funds, debt and equity instruments. This section will focus on pattern recognition, market timing models, forecasting and trading of financial time series. Section II provides insights into macro and microeconomics and how AI techniques could be used to better understand and predict economic variables. Section III focuses on corporate finance and credit analysis providing an insight into corporate structures and credit, and establishing a relationship between financial statement analysis and the influence of various financial scenarios. Section IV focuses on portfolio management, exploring applications for portfolio theory, asset allocation and optimization.

This book also provides some of the latest research in the field of artificial intelligence and finance, and provides in-depth analysis and highly applicable tools and techniques for practitioners and researchers in this field.

### About the Author

**Dr Christian L. Dunis** is a Founding Partner of Acanto Research, where he is responsible for global risk and new products. He is also Emeritus Professor of Banking and Finance at Liverpool John Moores University where he directed the Centre for International Banking, Economics and Finance (CIBEF) from February 1999 through to August 2011. Christian holds a MSc and a Superior Studies Diploma in International Economics, and a PhD in Economics from the University of Paris.

**Dr Peter W. Middleton** completed his PhD at the University of Liverpool. His working experience is in Asset Management and he has published numerous articles on Financial Forecasting of Commodity spreads and Equity time series.

**Dr Andreas Karathanasopoulos** studied for his MSc and Phd at Liverpool John Moores University under the supervision of Professor Christian Dunis. His working experience is academic having taught at Ulster University, London Metropolitan University and the University of East London. He is currently Associate Professor at the American University of Beirut and has published over 30 articles and one book in the area of artificial intelligence.

**Dr Konstantinos Theofilatos** completed his MSc and PhD in the University of Patras Greece. His research interests include computational intelligence, financial time series forecasting and trading, bioinformatics,

data mining and web technologies. He has published 27 publications in scientific peer reviewed journals and over 30 articles in conference proceedings.

## **Users Review**

#### From reader reviews:

#### James Johnson:

What do you think of book? It is just for students because they're still students or it for all people in the world, what best subject for that? Simply you can be answered for that question above. Every person has various personality and hobby for each other. Don't to be pressured someone or something that they don't wish do that. You must know how great and important the book Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment). All type of book could you see on many resources. You can look for the internet resources or other social media.

#### **Stephen Hawkins:**

Reading a reserve can be one of a lot of action that everyone in the world loves. Do you like reading book and so. There are a lot of reasons why people love it. First reading a reserve will give you a lot of new info. When you read a guide you will get new information simply because book is one of a number of ways to share the information or maybe their idea. Second, examining a book will make you more imaginative. When you looking at a book especially hype book the author will bring that you imagine the story how the personas do it anything. Third, it is possible to share your knowledge to other folks. When you read this Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment), you may tells your family, friends and also soon about yours guide. Your knowledge can inspire average, make them reading a reserve.

#### Willie Isaac:

People live in this new day time of lifestyle always make an effort to and must have the spare time or they will get wide range of stress from both way of life and work. So , when we ask do people have time, we will say absolutely without a doubt. People is human not really a huge robot. Then we consult again, what kind of activity do you have when the spare time coming to anyone of course your answer will probably unlimited right. Then ever try this one, reading publications. It can be your alternative throughout spending your spare time, the book you have read is usually Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment).

#### Yolanda Nitta:

It is possible to spend your free time to see this book this e-book. This Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) is simple bringing you can read it in the park, in the

beach, train in addition to soon. If you did not have got much space to bring the particular printed book, you can buy often the e-book. It is make you much easier to read it. You can save typically the book in your smart phone. Thus there are a lot of benefits that you will get when you buy this book.

Download and Read Online Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan #WQEJY2DIZ1L

# Read Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan for online ebook

Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan 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 Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan books to read online.

# Online Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan ebook PDF download

Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan Doc

Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan Mobipocket

Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan EPub

WQEJY2DIZ1L: Artificial Intelligence in Financial Markets: Cutting Edge Applications for Risk Management, Portfolio Optimization and Economics (New Developments in Quantitative Trading and Investment) From Palgrave Macmillan