



Mastering Python for Finance

James Ma Weiming

Download now

[Click here](#) if your download doesn't start automatically

Mastering Python for Finance

James Ma Weiming

Mastering Python for Finance James Ma Weiming

Understand, design, and implement state-of-the-art mathematical and statistical applications used in finance with Python

About This Book

- Explore financial models used by the industry and ways of solving them with this guide
- Discover the various features that Python provides for scientific computing and harness them to enhance your financial applications
- Build state-of-the-art infrastructure for critical aspects such as modeling, trading, pricing, and analytics

Who This Book Is For

If you are an undergraduate or graduate student, a beginner to algorithmic development and research, or a software developer in the financial industry who is interested in using Python for quantitative methods in finance, this is the book for you. It would be helpful to have a bit of familiarity with basic Python usage, but no prior experience is required.

What You Will Learn

- Perform interactive computing with IPython Notebook
- Solve linear equations of financial models and perform ordinary least squares regression
- Explore nonlinear modeling and solutions for optimum points using root-finding algorithms and solvers
- Discover different types of numerical procedures used in pricing options
- Model fixed-income instruments with bonds and interest rates
- Manage big data with NoSQL and perform analytics with Hadoop
- Build a high-frequency algorithmic trading platform with Python
- Create an event-driven backtesting tool and measure your strategies

In Detail

Built initially for scientific computing, Python quickly found its place in finance. Its flexibility and robustness can be easily incorporated into applications for mathematical studies, research, and software development.

With this book, you will learn about all the tools you need to successfully perform research studies and modeling, improve your trading strategies, and effectively manage risks. You will explore the various tools and techniques used in solving complex problems commonly faced in finance.

You will learn how to price financial instruments such as stocks, options, interest rate derivatives, and futures using computational methods. Also, you will learn how you can perform data analytics on market indexes and use NoSQL to store tick data.

 [**Download** Mastering Python for Finance ...pdf](#)

 [**Read Online** Mastering Python for Finance ...pdf](#)

Download and Read Free Online Mastering Python for Finance James Ma Weiming

From reader reviews:

Carl Yeates:

Do you have favorite book? In case you have, what is your favorite's book? Reserve is very important thing for us to know everything in the world. Each book has different aim or even goal; it means that book has different type. Some people truly feel enjoy to spend their a chance to read a book. They are really reading whatever they take because their hobby is reading a book. Consider the person who don't like reading a book? Sometime, man or woman feel need book if they found difficult problem as well as exercise. Well, probably you will need this Mastering Python for Finance.

James Williams:

This Mastering Python for Finance are usually reliable for you who want to become a successful person, why. The explanation of this Mastering Python for Finance can be one of the great books you must have is definitely giving you more than just simple looking at food but feed an individual with information that probably will shock your before knowledge. This book will be handy, you can bring it everywhere you go and whenever your conditions both in e-book and printed kinds. Beside that this Mastering Python for Finance giving you an enormous of experience for instance rich vocabulary, giving you test of critical thinking that we realize it useful in your day activity. So , let's have it and enjoy reading.

Terrance Oneal:

A lot of people always spent their very own free time to vacation as well as go to the outside with them family members or their friend. Are you aware? Many a lot of people spent many people free time just watching TV, or perhaps playing video games all day long. If you need to try to find a new activity here is look different you can read a book. It is really fun in your case. If you enjoy the book you read you can spent 24 hours a day to reading a book. The book Mastering Python for Finance it is quite good to read. There are a lot of people who recommended this book. They were enjoying reading this book. In case you did not have enough space to develop this book you can buy the actual e-book. You can m0ore simply to read this book from a smart phone. The price is not too costly but this book features high quality.

Audrey Mack:

Many people said that they feel bored stiff when they reading a publication. They are directly felt the idea when they get a half portions of the book. You can choose the actual book Mastering Python for Finance to make your own personal reading is interesting. Your own skill of reading proficiency is developing when you such as reading. Try to choose basic book to make you enjoy to read it and mingle the opinion about book and looking at especially. It is to be very first opinion for you to like to available a book and read it. Beside that the book Mastering Python for Finance can to be your brand new friend when you're sense alone and confuse in doing what must you're doing of these time.

**Download and Read Online Mastering Python for Finance James
Ma Weiming #83WS7RFEC42**

Read Mastering Python for Finance by James Ma Weiming for online ebook

Mastering Python for Finance by James Ma Weiming 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 Mastering Python for Finance by James Ma Weiming books to read online.

Online Mastering Python for Finance by James Ma Weiming ebook PDF download

Mastering Python for Finance by James Ma Weiming Doc

Mastering Python for Finance by James Ma Weiming Mobipocket

Mastering Python for Finance by James Ma Weiming EPub