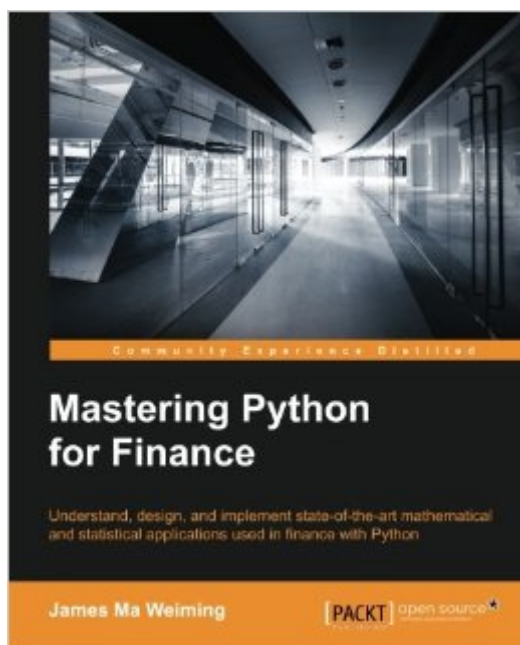# The book was found

Mastering Python For Finance

Synopsis

Understand, design, and implement state-of-the-art mathematical and statistical applications used in finance with Python About This BookExplore financial models used by the industry and ways of solving them with this guideDiscover the various features that Python provides for scientific computing and harness them to enhance your financial applicationsBuild state-of-the-art infrastructure for critical aspects such as modeling, trading, pricing, and analyticsWho This Book Is ForIf 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 DetailBuilt 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.

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Customer Reviews

Wowâ | good stuff. Mastering Python for Finance really delivers. It does a fine job blending academic theory with a practitionerâ ™s penchant for useful applications, delivering Python code all the way to guide the reader along his / her journey. I have not worked all of the examples yet, but I am looking forward to doing so â " especially the sections that use Hadoop & Python together.

The book introduces many new concepts, however after trying to make my way through the book, the code need an update, Starting at chapter 3 you will encounter numerous mistakes and omissions that cause the code to fail. Chapter 6 is rife with mistakes. Buy only if you have time to debug the code.

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