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Principles of Financial Modelling
Advanced Mathematical Methods for Finance
Contemporary Trends and Challenges in Finance
Financial Modeling Using C++
Financial Modeling, fourth edition
Optimisation, Econometric and Financial Analysis
Mathematical Modeling in Economics and Finance: Probability, Stochastic Processes, and Differential Equations
Using Excel for Business Analysis
Analyzing Financial Data and Implementing Financial Models Using R
Financial Econometrics
Common Warehouse Metamodel Developer's Guide
Analysis, Geometry, and Modeling in Finance
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Financial Modeling for Equity Research
Advanced Financial Accounting
Next Generation Excel
Pro Excel Financial Modeling
Advanced Financial Risk Management
Financial Analysis and Modeling Using Excel and VBA
Strategy, Value and Risk
The Handbook of Financial Modeling
Contemporary Trends and Challenges in Finance
Hands-On Financial Modeling with Microsoft Excel 2019
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Advanced Financial Modelling
Using Excel for Business and Financial Modelling
Modelling the Survival of Financial and Industrial Enterprises
Common Warehouse Metamodel
ACCA Approved - P4 Advanced Financial Management (September 2017 to June 2018 exams)
ACCA Paper P4 - Advanced Financial Management Practice and revision kit
Contemporary Trends and Challenges in Finance
Financial Modeling for Business Owners and Entrepreneurs
Advanced Modelling in Finance using Excel and VBA
Advanced Mathematical Methods for Finance

FITZGERALD PAGE

Principles of Financial Modelling John Wiley & Sons
Financial Modeling for Business Owners and Entrepreneurs: Developing Excel Models to Raise Capital, Increase Cash Flow, Improve Operations, Plan Projects, and Make Decisions may be one of the most important books any entrepreneur or manager in a small or medium-sized enterprise will read. It combines logical business principles and strategies with a step-by-step methodology for planning and modeling a company and solving specific business problems. You'll learn to create operational and financial models in Excel that describe the workings of your company in quantitative terms and that make it far more likely you will avoid the traps and dead ends many businesses fall into. Serial entrepreneur and financial expert Tom Y. Sawyer shows how to break your company down into basic functional and operational components that can be modeled. The result is a financial model that, for example, you can literally take to the bank or bring to local angel investors to receive the funding you need to launch your business or a new product. Or it might be a model that shows with startling clarity that your new product development effort is a likely winner—or loser. Even better, you'll learn to create models that will serve as guideposts for ongoing operations. You'll always know just where you are financially, and where you need to be. The models you will learn to build in Financial Modeling for Business Owners and Entrepreneurs can be used to: Raise capital for startup or any stage of growth Plan projects and new initiatives Make astute business decisions, including go/no-go assessments Analyze ROI on your product development and marketing expenditures Streamline operations, manage budgets, improve efficiency, and reduce costs Value the business when it is time to cash out or merge In addition to many valuable exercises and tips for using Excel to model your business, this book contains a combination of practical advice born of hard-won lessons, advanced strategic thought, and the insightful use of hard skills. With a basic knowledge of Excel assumed, it will help you learn to think like an experienced business person who expects to make money on the products or services offered to the public. You'll discover that the financial model is a key management tool that, if built correctly, provides invaluable assistance every step of the entrepreneurial journey. Tom Y. Sawyer has used the principles this book contains to create financial models of numerous startup and early-stage companies, assisting them in planning for and raising the capital that they needed to grow their businesses and ultimately exit with multiples of their initial investment. Financial Modeling for Business Owners and Entrepreneurs, a mini-MBA in entrepreneurship and finance, will show you how you can do the same. Note: This book is an updated version of Sawyer's 2009 title, Pro Excel Financial Modeling. What you'll learn Business principles, critical success factors, and practical suggestions for entrepreneurs and young companies determined to succeed. Concepts, explanations, and instructions for developing financial models and

forecasts. How to raise capital, budget, keep track of and manage finances, calculate ROI, and value a firm. Best practices for building a financial models to keep a company's wheels on the tracks. Who this book is for Entrepreneurs, company founders, managers of (or in), small to medium-sized enterprises, finance professionals, CFOs, investors, business students, and incubator residents. Table of Contents Business Thinking and Financial Modeling: Success Starts with the Right Mindset The Company Business Model: Envisioning and Realizing Your Future Green Devil Control Systems: Our Business Case The Staffing Model: Make the Most of Human Resources Sales and Revenue Model: Chart Your Financial Future Cost of Goods Sold and Inventory Model: Plot Your Costs and Margins Cost of Sales and Marketing Model: Calculate the Cost of Doing Business Cost of Product Development Model: Ensure a Return on Your Investment Operating and Capital Expenditures Models: Manage Your Budget Making Business Decisions Using Quantitative Models: Decision Analysis Best Practices Statements of Profit and Loss and Cash Flow: Plan for Profits and Ready Money Modeling Valuation and Investment with the FIN Model: Can You Cash Out? Financial Report and Analysis Using the FIN Model: Do Better and Better Advanced Mathematical Methods for Finance Springer

This book is a collection of state–of–the–art surveys on various topics in mathematical finance, with an emphasis on recent modelling and computational approaches. The volume is related to a 'Special Semester on Stochastics with Emphasis on Finance' that took place from September to December 2008 at the Johann Radon Institute for Computational and Applied Mathematics of the Austrian Academy of Sciences in Linz, Austria.

Contemporary Trends and Challenges in Finance John Wiley & Sons
A detailed look at developing real-world financial models using C++ This book, designed for self-study, reference, and classroom use, outlines a comprehensive approach to creating both simple and advanced financial models using C++. Author and modeling expert Chandan Sengupta covers programming, the C++ language, and financial modeling from the ground up-assuming no prior knowledge in these areas-and shows through numerous examples how to combine these skills with financial theory and mathematics to develop practical financial models. Since C++ is the computer language used most often to develop large-scale financial models and systems, readers will find this work-which includes a CD-ROM containing the models and codes from the book-an essential asset in their current modeling endeavors. Chandan Sengupta (White Plains, NY) teaches finance in the MBA program at the Fordham University Graduate School of Business. He is also the author of Financial Modeling Using Excel and VBA (0-471-26768-6).
Financial Modeling Using C++ John Wiley & Sons
This volume includes a selection of the contributions presented at the Wroclaw conference in Finance, covering a wide range of topics in the area of finance. The articles reflect the extent, diversity and richness of research areas in the field. Discussing both fundamental and applied finance, it offers a detailed analysis of current financial-market problems including specifics of Polish and Central European markets. It also examines the results of advanced

financial modeling. These proceedings are a valuable resource for researchers in universities and research and policy institutions, graduate students and practitioners in economics, finance and international economics in both private and government institutions.

Financial Modeling, fourth edition
John Wiley & Sons
Mathematical modeling is a powerful craft that requires practice. The more practice the better one will become in executing the art. The authors wrote this book to develop the craft of mathematical modeling and to foster a desire for lifelong learning, habits of mind and develop competent and confident problem solvers and decision makers for the 21st century. This book offers a problem-solving approach. The authors introduce a problem to help motivate the learning of a particular mathematical modeling topic. The problem provides the issue or what is needed to solve using an appropriate modeling technique. Then principles are applied to the problem and present the steps in obtaining an appropriate model to solve the problem. Modeling Change and Uncertainty: Covers both linear and nonlinear models of discrete dynamical systems. Introduces statistics and probability modeling. Introduces critical statistical concepts to handle univariate and multivariate data. Establishes a foundation in probability modeling. Uses ordinary differential equations (ODEs) to develop a more robust solution to problems. Uses linear programming and machine learning to support decision making. Introduces the reality of uncertainty and randomness that is all around us. Discusses the use of linear programing to solve common problems in modern industry. Discusses he power and limitations of simulations. Introduces

the methods and formulas used in businesses and financial organizations. Introduces valuable techniques using Excel, MAPLE, and R. Mathematical modeling offers a framework for decision makers in all fields. This framework consists of four key components: the formulation process, the solution process, interpretation of the solution in the context of the actual problem, and sensitivity analysis. Modeling Change and Uncertainty will be of interest to mathematics departments offering advanced mathematical modeling courses focused on decision making or discrete mathematical modeling and by undergraduate, graduate students and practitioners looking for an opportunity to develop, practice, and apply the craft of mathematical modeling. Table of Contents 1. Perfect Partners: Combining Models of Change and Uncertainty with Technology 2. Modeling Change: Discrete Dynamical Systems (DDS) and Modeling Systems of DDS 3. Statistical and Probabilistic Models 4. Modeling with Probability 5. Differential Equations 6. Forecasting with Linear Programming and Machine Learning 7. Stochastic Models and Markov Chains 8. Linear Programming 9. Simulation of Queueing Models 10. Modeling of Financial Analysis 11. Reliability Models 12. Machine Learning and Unconstrained Optimal Process Dr. William P. Fox is currently a visiting professor of Computational Operations Research at the College of William and Mary. He is an emeritus professor in the Department of Defense Analysis at the Naval Postgraduate School and teaches a three-course sequence in mathematical modeling for decision making. He received his Ph.D. in Industrial Engineering from Clemson University. He has taught at the United States Military

Academy for twelve years until retiring and at Francis Marion University where he was the chair of mathematics for eight years. He has many publications and scholarly activities including twenty plus books and one hundred and fifty journal articles. Colonel (R) Robert E. Burks, Jr., Ph.D. is an Associate Professor in the Defense Analysis Department of the Naval Postgraduate School (NPS) and the Director of the NPS' Wargaming Center. He holds a Ph.D. in Operations Research from the Air Force Institute of Technology. He is a retired logistics Army Colonel with more than thirty years of military experience in leadership, advanced analytics, decision modeling, and logistics operations who served as an Army Operations Research analyst at the Naval Postgraduate School, TRADOC Analysis Center, United States Military Academy, and the United States Army Recruiting Command. Other book by William P. Fox and Robert E. Burks: Advanced Mathematical Modeling with Technology, 2021, CRC Press. Other books by William P. Fox from CRC Press: Mathematical Modeling in the Age of the Pandemic, 2021, CRC Press. Advanced Problem Solving Using Maple: Applied Mathematics, Operations Research, Business Analytics, and Decision Analysis (w/William Bauldry), 2020, CRC Press. Mathematical Modeling with Excel (w/Brian Albright), 2020, CRC Press. Nonlinear Optimization: Models and Applications, 2020, CRC Press. Advanced Problem Solving with Maple: A First Course (w/William Bauldry), 2019. CRC Press. Mathematical Modeling for Business Analytics, 2018, CRC Press. **Optimisation, Econometric and Financial Analysis** American Mathematical Soc.
Financial Modelling in Practice: A Concise Guide for Intermediate and Advanced Level is a practical, comprehensive and in-depth guide to financial modelling designed to cover the modelling issues that are relevant to facilitate the construction of robust and readily understandable models. Based on the authors extensive experience of building models in business and finance, and of training others how to do so this book starts with a review of Excel functions that are generally most relevant for building intermediate and advanced level models (such as Lookup functions, database and statistical functions and so on). It then discusses the principles involved in designing, structuring and building relevant, accurate and readily understandable models (including the use of sensitivity analysis techniques) before covering key application areas, such as the modelling of financial statements, of cash flow valuation, risk analysis, options and real options. Finally, the topic of financial modelling using VBA is treated. Practical examples are used throughout and model examples are included in the attached CD-ROM. Aimed at intermediate and advanced level modellers in Excel who wish to extend and consolidate their knowledge, this book is focused, practical, and application-driven, facilitating knowledge to build or audit a much wider range of financial models. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. Mathematical Modeling in Economics and Finance: Probability, Stochastic Processes, and Differential Equations John Wiley & Sons Financial statements are the cognitive instrument par excellence to understand a company's profitability, asset trends and financial performance. This volume is divided into three sections and

addresses the main themes related to Financial Statements. The first part, "Financial Statement analysis – Main objectives and tools" illustrates the techniques commonly used to analyse and interpret financial statements: reformulations of statement of financial position and statement of comprehensive income and ratios. The second part, "IFRS –Accounting issues" presents the accounting issues of the most significant financial statements captions in accordance with International Financial Reporting Standards (IFRS) applicable on the date of publication of this manual. Consolidated financial statements are the subject of the third part, presenting the fundamental problems that gradually may arise from the consolidation process. The book is intended for all those - students or professionals - who intend to deal in a systematic way with the issues of construction and analysis of financial statements. The content of each chapter is enriched by examples, with the aim of facilitating understanding.

Using Excel for Business Analysis John Wiley & Sons

The current transformation of the global economy is being driven by new fundamental innovations, digitalization, industry dynamics and climate change. The impact of this transformation in terms of value migration, industry boundaries, investment and firm continuity is vast. The fourth edition of Strategy, Value and Risk examines these issues, and how they will influence firms and industries in the future. Those aspects of the business environment that will have a significant impact on strategy, business models, investments and value are identified, and the accounting, finance, economic and quantitative principles that provide a foundation for the analysis of these issues are discussed. Part I: Strategy, Value and Risk provides the strategic, economic, accounting and financial framework. Strategy discusses technology and innovation, industry dynamics, globalization and industry concentration, climate change, industry boundaries and future value. Value discusses the accounting framework and corporate finance and investment, while Risk covers investment risk, corporate risk management and value and risk. Part II: Quantitative Analytics provides an overview of financial statistics, derivatives and derivative applications, and provides a background on the financial economics used in the analysis of physical, intangible, financial and energy assets. Part III: The Analysis of Investments, Transformation and Value examines platforms, data and analytics, the energy sector, pharmaceutical and biotech, a growth firm and media transformation, and applies the accounting, economic, financial and quantitative concepts. This fourth edition lays out scenarios that will likely shape firms and industries in the future, and has relevance to CFOs, corporate finance and investment professionals. Business model disruption, data and analytics, intangible assets and dynamic analysis are now key issues within the CFO role. Investment professionals are required to see the larger economic environment in which firms compete, assess a firm's industry and its position within that industry, recognize which investments best serve its broad strategic goals and identify a firm's capabilities and options. A background in the accounting, finance, economic, quantitative and valuation concepts that are relevant to the digital economy, new industries, business models and technologies is essential for

finance professionals. This book addresses these issues within the context of the fundamental changes underway in the global economy, and provides applications of the techniques to illustrate the concepts.

Analyzing Financial Data and Implementing Financial Models Using R Chapman and Hall/CRC

This book is a comprehensive introduction to financial modeling that teaches advanced undergraduate and graduate students in finance and economics how to use R to analyze financial data and implement financial models. This text will show students how to obtain publicly available data, manipulate such data, implement the models, and generate typical output expected for a particular analysis. This text aims to overcome several common obstacles in teaching financial modeling. First, most texts do not provide students with enough information to allow them to implement models from start to finish. In this book, we walk through each step in relatively more detail and show intermediate R output to help students make sure they are implementing the analyses correctly. Second, most books deal with sanitized or clean data that have been organized to suit a particular analysis. Consequently, many students do not know how to deal with real-world data or know how to apply simple data manipulation techniques to get the real-world data into a usable form. This book will expose students to the notion of data checking and make them aware of problems that exist when using real-world data. Third, most classes or texts use expensive commercial software or toolboxes. In this text, we use R to analyze financial data and implement models. R and the accompanying packages used in the text are freely

available; therefore, any code or models we implement do not require any additional expenditure on the part of the student. Demonstrating rigorous techniques applied to real-world data, this text covers a wide spectrum of timely and practical issues in financial modeling, including return and risk measurement, portfolio management, options pricing, and fixed income analysis.

Financial Econometrics Packt Publishing Ltd

This book addresses issues associated with the interface of computing, optimisation, econometrics and financial modeling, emphasizing computational optimisation methods and techniques. The first part addresses optimisation problems and decision modeling, plus applications of supply chain and worst-case modeling and advances in methodological aspects of optimisation techniques. The second part covers optimisation heuristics, filtering, signal extraction and time series models. The final part discusses optimisation in portfolio selection and real option modeling.

Common Warehouse Metamodel Developer's Guide Pearson Education

ACCA Approved and valid for exams from 01 Sept 2017 up to 30 June 2018 - Becker's P4 Advanced Financial Management Revision Question Bank has been approved and quality assured by the ACCA's examining team.

Analysis, Geometry, and Modeling in Finance CRC Press

A hands-on guide to using Excel in the business context First published in 2012, Using Excel for Business and Financial Modelling contains step-by-step instructions of how to solve common business problems using financial models, including downloadable Excel

templates, a list of shortcuts and tons of practical tips and techniques you can apply straight away. Whilst there are many hundreds of tools, features and functions in Excel, this book focuses on the topics most relevant to finance professionals. It covers these features in detail from a practical perspective, but also puts them in context by applying them to practical examples in the real world. Learn to create financial models to help make business decisions whilst applying modelling best practice methodology, tools and techniques. • Provides the perfect mix of practice and theory • Helps you become a DIY Excel modelling specialist • Includes updates for Excel 2019/365 and Excel for Mac • May be used as an accompaniment to the author's online and face-to-face training courses Many people are often overwhelmed by the hundreds of tools in Excel, and this book gives clarity to the ones you need to know in order to perform your job more efficiently. This book also demystifies the technical, design, logic and financial skills you need for business and financial modelling.

Mastering Financial Modelling in Microsoft Excel John Wiley & Sons An updated look at the theory and practice of financial analysis and modeling Financial Analysis and Modeling Using Excel and VBA, Second Edition presents a comprehensive approach to analyzing financial problems and developing simple to sophisticated financial models in all major areas of finance using Excel 2007 and VBA (as well as earlier versions of both). This expanded and fully updated guide reviews all the necessary financial theory and concepts, and walks you through a wide range of real-world financial problems and models that you

can learn from, use for practice, and easily adapt for work and classroom use. A companion website includes several useful modeling tools and fully working versions of all the models discussed in the book. Teaches financial analysis and modeling and illustrates advanced features of Excel and VBA, using a learn-by-doing approach Contains detailed coverage of the powerful features of Excel 2007 essential for financial analysis and modeling, such as the Ribbon interface, PivotTables, data analysis, and statistical analysis Other titles by Sengupta: Financial Modeling Using C++ and The Only Proven Road to Investment Success Designed for self-study, classroom use, and reference This comprehensive guide is an essential read for anyone who has to perform financial analysis or understand and implement financial models.

Global Real Estate Investment Trusts John Wiley & Sons Take Excel to the next level in accounting and financial modeling In this new Second Edition of Next Generation Excel, Isaac Gottlieb shows financial analysts how to harness the full power of Excel to move forward into the new world of accounting and finance. Companies of all sizes use financial models to analyze their finances and plan business operations, as well as to create financial accounting reports like balance sheets, income statements, and statements of cash flows. While many businesspeople are quite familiar with the reports created with financial models, most are not as familiar with the creation of the models themselves. This book shows them how to build an accurate and effective financial model using the solid functionality and easy usability of Excel. Fully updated and revised to include support for Apple

users Written by a professor of management and statistics who has taught the discipline for fifteen years Appropriate for professional financial analysts, as well as MBA students For professionals and students whose responsibilities or studies include a full understanding of financial modeling, Next Generation Excel, Second Edition offers comprehensive training.
Modeling Change and Uncertainty John Wiley & Sons
An in-depth look at financial risk management Advanced Financial Risk Management integrates interest rate risk, credit risk, foreign exchange risk, and capital allocation using a consistent risk management approach. It explains, in detailed, yet understandable terms, the analytics of these issues from A to Z. Written by experienced risk managers, this book bridges the gap between the idealized assumptions used for valuation and the realities that must be reflected in management actions. It covers everything from the basics of present value, forward rates, and interest rate compounding to the wide variety of alternative term structure models. Donald R. Van Deventer (Hawaii) founded the Kamakura Corporation in April 1990 and is currently President. In 2003, he was voted into the Risk Hall of Fame for having made a profound contribution to the field of risk management. Kenji Imai (Hawaii) heads Software Development for Kamakura and participates in selected Japan-related financial advisory assignments. Mark Mesler (Hawaii) heads the information production for Kamakura Risk Information Services.
Option Pricing and Estimation of Financial Models with R Springer
"In Advanced Financial Risk Management: Tools and Techniques for

Integrated Credit Risk and Interest Rate Risk Management, Donald R. van Deventer and Kenji Imai, joined by Mark Mesler, extend the concepts outlined in their previous book Credit Risk Models and the Basel Accords and update their 1996 work Financial Risk Analytics. The authors lay out a comprehensive strategy of risk management measures objectives, and hedging techniques that apply to all types of institutions. They describe a performance measurement approach that goes far beyond traditional capital allocation techniques in measuring risk-adjusted shareholder value creation. Most importantly, the authors supplement this strategic view of integrated risk with step-by-step tools and techniques for constructing a risk management system that achieves these objectives." "Supported by a rich array of formulas for basic and advanced risk management calculations, Advanced Financial Risk Management is required reading for practitioners in fund management, pension fund management, banking, insurance and the securities industries."--BOOK JACKET.
Financial Modeling for Equity Research EGEA spa
A substantially revised edition of a bestselling text combining explanation and implementation using Excel; for classroom use or as a reference for finance practitioners. Financial Modeling is now the standard text for explaining the implementation of financial models in Excel. This long-awaited fourth edition maintains the "cookbook" features and Excel dependence that have made the previous editions so popular. As in previous editions, basic and advanced models in the areas of corporate finance, portfolio management, options, and bonds are explained with detailed Excel spreadsheets. Sections on technical

aspects of Excel and on the use of Visual Basic for Applications (VBA) round out the book to make Financial Modeling a complete guide for the financial modeler. The new edition of Financial Modeling includes a number of innovations. A new section explains the principles of Monte Carlo methods and their application to portfolio management and exotic option valuation. A new chapter discusses term structure modeling, with special emphasis on the Nelson-Siegel model. The discussion of corporate valuation using pro forma models has been rounded out with the introduction of a new, simple model for corporate valuation based on accounting data and a minimal number of valuation parameters. New print copies of this book include a card affixed to the inside back cover with a unique access code. Access codes are required to download Excel worksheets and solutions to end-of-chapter exercises. If you have a used copy of this book, you may purchase a digitally-delivered access code separately via the Supplemental Material link on this page. If you purchased an e-book, you may obtain a unique access code by emailing digitalproducts-cs@mit.edu or calling 617-253-2889 or 800-207-8354 (toll-free in the U.S. and Canada). Praise for earlier editions "Financial Modeling belongs on the desk of every finance professional. Its no-nonsense, hands-on approach makes it an indispensable tool." —Hal R. Varian, Dean, School of Information Management and Systems, University of California, Berkeley "Financial Modeling is highly recommended to readers who are interested in an introduction to basic, traditional approaches to financial modeling and analysis, as well as to those who want to learn more about applying spreadsheet software to financial analysis." —Edward Weiss, Journal of Computational Intelligence in Finance "Benninga has a clear writing style and uses numerous illustrations, which make this book one of the best texts on using Excel for finance that I've seen." —Ed McCarthy, Ticker Magazine Advanced Financial Accounting Apress This book presents innovations in the mathematical foundations of financial analysis and numerical methods for finance and applications to the modeling of risk. The topics selected include measures of risk, credit contagion, insider trading, information in finance, stochastic control and its applications to portfolio choices and liquidation, models of liquidity, pricing, and hedging. The models presented are based on the use of Brownian motion, Lévy processes and jump diffusions. Moreover, fractional Brownian motion and ambit processes are also introduced at various levels. The chosen blend of topics gives an overview of the frontiers of mathematics for finance. New results, new methods and new models are all introduced in different forms according to the subject. Additionally, the existing literature on the topic is reviewed. The diversity of the topics makes the book suitable for graduate students, researchers and practitioners in the areas of financial modeling and quantitative finance. The chapters will also be of interest to experts in the financial market interested in new methods and products. This volume presents the results of the European ESF research networking program Advanced Mathematical Methods for Finance.
Next Generation Excel Apress Explore the aspects of financial modeling with the help of clear and easy-to-follow instructions and a variety of Excel features, functions, and productivity tips

Key FeaturesA non data professionals guide to exploring Excel's financial functions and pivot tablesLearn to prepare various models for income and cash flow statements, and balance sheetsLearn to perform valuations and identify growth drivers with real-world case studiesBook Description Financial modeling is a core skill required by anyone who wants to build a career in finance. Hands-On Financial Modeling with Microsoft Excel 2019 examines various definitions and relates them to the key features of financial modeling with the help of Excel. This book will help you understand financial modeling concepts using Excel, and provides you with an overview of the steps you should follow to build an integrated financial model. You will explore the design principles, functions, and techniques of building models in a practical manner. Starting with the key concepts of Excel, such as formulas and functions, you will learn about referencing frameworks and other advanced components of Excel for building financial models. Later chapters will help you understand your financial projects, build assumptions, and analyze historical data to develop data-driven models and functional growth drivers. The book takes an intuitive approach to model testing, along with best practices and practical use cases. By the end of this book, you will have examined the data from various use cases, and you will have the skills you need to build financial models to extract the information required to make informed business decisions. What you will learnIdentify the growth drivers derived from processing historical data in ExcelUse discounted cash flow (DCF) for efficient investment analysisBuild a financial model by projecting balance sheets, profit, and lossApply a Monte Carlo simulation to derive key assumptions for your financial modelPrepare detailed asset and debt schedule models in ExcelDiscover the latest and advanced features of Excel 2019Calculate profitability ratios using various profit parametersWho this book is for This book is for data professionals, analysts, traders, business owners, and students, who want to implement and develop a high in-demand skill of financial modeling in their finance, analysis, trading, and valuation work. This book will also help individuals that have and don't have any experience in data and stats, to get started with building financial models. The book assumes working knowledge with Excel.
Pro Excel Financial Modeling John Wiley & Sons
Mathematical Modeling in Economics and Finance is designed as a textbook for an upper-division course on modeling in the economic sciences. The emphasis throughout is on the modeling process including post-modeling analysis and criticism. It is a textbook on modeling that happens to focus on financial instruments for the management of economic risk. The book combines a study of mathematical modeling with exposure to the tools of probability theory, difference and differential equations, numerical simulation, data analysis, and mathematical analysis. Students taking a course from Mathematical Modeling in Economics and Finance will come to understand some basic stochastic processes and the solutions to stochastic differential equations. They will understand how to use those tools to model the management of financial risk. They will gain a deep appreciation for the modeling process and learn methods of testing and evaluation driven by data.

The reader of this book will be successfully positioned for an entry-level position in the financial services industry or for beginning graduate study in finance, economics, or actuarial science. The exposition in Mathematical Modeling in Economics and Finance is crystal clear and very student-friendly. The many exercises are extremely well designed. Steven Dunbar is Professor Emeritus of Mathematics at the University of Nebraska and he has won both university-wide and MAA prizes for extraordinary teaching. Dunbar served as Director of the MAA's American Mathematics Competitions from 2004 until 2015. His ability to communicate mathematics is on full display in this approachable, innovative text.