
Online Library Hedge Fund Modeling And Analysis Using Excel And Vba

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KEY=FUND - LARSON KALEIGH

HEDGE FUND MODELLING AND ANALYSIS USING EXCEL AND VBA

John Wiley & Sons Co-authored by two respected authorities on hedge funds and asset management, this implementation-oriented guide shows you how to employ a range of the most commonly used analysis tools and techniques both in industry and academia, for understanding, identifying and managing risk as well as for quantifying return factors across several key investment strategies. The book is also suitable for use as a core textbook for specialised graduate level courses in hedge funds and alternative investments. The book provides hands-on coverage of the visual and theoretical methods for measuring and modelling hedge fund performance with an emphasis on risk-adjusted performance metrics and techniques. A range of sophisticated risk analysis models and risk management strategies are also described in detail. Throughout, coverage is supplemented with helpful skill building exercises and worked examples in Excel and VBA. The book's dedicated website, www.darbyshirehampton.com provides Excel spreadsheets and VBA source code which can be freely downloaded and also features links to other relevant and useful resources. A comprehensive course in hedge fund modelling and analysis, this book arms you with the knowledge and tools required to effectively manage your risks and to optimise the return profile of your investment style.

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HANDS-ON FINANCIAL MODELING WITH MICROSOFT EXCEL 2019

BUILD PRACTICAL MODELS FOR FORECASTING, VALUATION, TRADING, AND GROWTH ANALYSIS USING EXCEL 2019

Packt Publishing Ltd 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 Features

- A non data professionals guide to exploring Excel's financial functions and pivot tables
- Learn to prepare various models for income and cash flow statements, and balance sheets
- Learn to perform valuations and identify growth drivers with real-world case studies

Book 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 learn

- Identify the growth drivers derived from processing historical data in Excel
- Use discounted cash flow (DCF) for efficient investment analysis
- Build a financial model by projecting balance sheets, profit, and loss
- Apply a Monte Carlo simulation to derive key assumptions for your financial model
- Prepare detailed asset and debt schedule models in Excel
- Discover the latest and advanced features of Excel 2019
- Calculate profitability ratios using various profit parameters

Who 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.

FINANCIAL ANALYSIS AND MODELING USING EXCEL AND VBA

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.

FINANCIAL MODELING AND VALUATION

A PRACTICAL GUIDE TO INVESTMENT BANKING AND PRIVATE EQUITY

John Wiley & Sons Written by the Founder and CEO of the prestigious New York School of Finance, this book schools you in the fundamental tools for accurately assessing the soundness of a stock investment. Built around a full-length case study of Wal-Mart, it shows you how to perform an in-

depth analysis of that company's financial standing, walking you through all the steps of developing a sophisticated financial model as done by professional Wall Street analysts. You will construct a full scale financial model and valuation step-by-step as you page through the book. When we ran this analysis in January of 2012, we estimated the stock was undervalued. Since the first run of the analysis, the stock has increased 35 percent. Re-evaluating Wal-Mart 9months later, we will step through the techniques utilized by Wall Street analysts to build models on and properly value business entities. Step-by-step financial modeling - taught using downloadable Wall Street models, you will construct the model step by step as you page through the book. Hot keys and explicit Excel instructions aid even the novice excel modeler. Model built complete with Income Statement, Cash Flow Statement, Balance Sheet, Balance Sheet Balancing Techniques, Depreciation Schedule (complete with accelerating depreciation and deferring taxes), working capital schedule, debt schedule, handling circular references, and automatic debt pay downs. Illustrative concepts including detailing model flows help aid in conceptual understanding. Concepts are reiterated and honed, perfect for a novice yet detailed enough for a professional. Model built direct from Wal-Mart public filings, searching through notes, performing research, and illustrating techniques to formulate projections. Includes in-depth coverage of valuation techniques commonly used by Wall Street professionals. Illustrative comparable company analyses - built the right way, direct from historical financials, calculating LTM (Last Twelve Month) data, calendarization, and properly smoothing EBITDA and Net Income. Precedent transactions analysis - detailing how to extract proper metrics from relevant proxy statements Discounted cash flow analysis - simplifying and illustrating how a DCF is utilized, how unlevered free cash flow is derived, and the meaning of weighted average cost of capital (WACC) Step-by-step we will come up with a valuation on Wal-Mart Chapter end questions, practice models, additional case studies and common interview questions (found in the companion website) help solidify the techniques honed in the book; ideal for universities or business students looking to break into the investment banking field.

HEDGE FUND ANALYSIS

AN IN-DEPTH GUIDE TO EVALUATING RETURN POTENTIAL AND ASSESSING RISKS

John Wiley & Sons A detailed, step-by-step book covering the entire hedge fundevaluation process Investing in hedge funds is different from investing in otherasset classes. There is much less publicly available informationabout hedge funds performance than there is about mutual funds orindividual stocks. Consequently, investing in this class requiresmore sophisticated investment knowledge, greater due diligence,and, in many cases, a better-developed ability to

evaluate investment managers. Hedge Fund Analysis provides a broad framework of how to approach this endeavor, from initial screening to analytical techniques, interviewing skills, and legal and contract negotiations. Along the way, it demonstrates a variety of mechanisms for monitoring and tracking hedge funds and the underlying hedge fund portfolios—explaining each stage of the process in minute detail and providing specific examples which fully explain the opportunities and challenges you'll face each step of the way. Provides a detailed look at how to source hedge funds, screen through them, and rank their strengths and weaknesses. Lays out a thorough process for evaluating funds, from initial interviews to performance analysis to on-site meetings. Reveals what questions to ask by strategy in order to understand the underlying risk factors associated with each. Highlights non-investment analysis, including operational due diligence and risk management, as integral elements in the process. Written by a financial professional with over twenty years of experience conducting investment manager due diligence, this book will put you in a position to make more informed decisions when investing in hedge funds.

HEDGE FUND MODELLING AND ANALYSIS USING MATLAB

John Wiley & Sons The second book in Darbyshire and Hampton's Hedge Fund Modelling and Analysis series, Hedge Fund Modelling and Analysis Using MATLAB® takes advantage of the huge library of built-in functions and suite of financial and analytic packages available to MATLAB®. This allows for a more detailed analysis of some of the more computationally intensive and advanced topics, such as hedge fund classification, performance measurement and mean-variance optimisation. Darbyshire and Hampton's first book in the series, Hedge Fund Modelling and Analysis Using Excel & VBA, is seen as a valuable supplementary text to this book. Starting with an overview of the hedge fund industry the book then looks at a variety of commercially available hedge fund data sources. After covering key statistical techniques and methods, the book discusses mean-variance optimisation, hedge fund classification and performance with an emphasis on risk-adjusted return metrics. Finally, common hedge fund market risk management techniques, such as traditional Value-at-Risk methods, modified extensions and expected shortfall are covered. The book's dedicated website, www.darbyshirehampton.com provides free downloads of all the data and MATLAB® source code, as well as other useful resources. Hedge Fund Modelling and Analysis Using MATLAB® serves as a definitive introductory guide to hedge fund modelling and analysis and will provide investors, industry practitioners and students alike with a useful range of tools and techniques for analysing and estimating alpha and beta sources of return, performing manager ranking and market risk management.

FINANCIAL MODELING IN EXCEL FOR DUMMIES

John Wiley & Sons Turn your financial data into insightful decisions with this straightforward guide to financial modeling with Excel Interested in learning how to build practical financial models and forecasts but concerned that you don't have the math skills or technical know-how? We've got you covered! Financial decision-making has never been easier than with Financial Modeling in Excel For Dummies. Whether you work at a mom-and-pop retail store or a multinational corporation, you can learn how to build budgets, project your profits into the future, model capital depreciation, value your assets, and more. You'll learn by doing as this book walks you through practical, hands-on exercises to help you build powerful models using just a regular version of Excel, which you've probably already got on your PC. You'll also: Master the tools and strategies that help you draw insights from numbers and data you've already got Build a successful financial model from scratch, or work with and modify an existing one to your liking Create new and unexpected business strategies with the ideas and conclusions you generate with scenario analysis Don't go buying specialized software or hiring that expensive consultant when you don't need either one. If you've got this book and a working version of Microsoft Excel, you've got all the tools you need to build sophisticated and useful financial models in no time!

ADVANCED MODELLING IN FINANCE USING EXCEL AND VBA

John Wiley & Sons This new and unique book demonstrates that Excel and VBA can play an important role in the explanation and implementation of numerical methods across finance. Advanced Modelling in Finance provides a comprehensive look at equities, options on equities and options on bonds from the early 1950s to the late 1990s. The book adopts a step-by-step approach to understanding the more sophisticated aspects of Excel macros and VBA programming, showing how these programming techniques can be used to model and manipulate financial data, as applied to equities, bonds and options. The book is essential for financial practitioners who need to develop their financial modelling skill sets as there is an increase in the need to analyse and develop ever more complex 'what if' scenarios. Specifically applies Excel and VBA to the financial markets Packaged with a CD containing the software from the examples throughout the book Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

MODELING STRUCTURED FINANCE CASH FLOWS WITH MICROSOFT EXCEL

A STEP-BY-STEP GUIDE

John Wiley & Sons A practical guide to building fully operational financial cash flow models for structured finance transactions Structured finance

and securitization deals are becoming more commonplace on Wall Street. Up until now, however, market participants have had to create their own models to analyze these deals, and new entrants have had to learn as they go. **Modeling Structured Finance Cash Flows with Microsoft Excel** provides readers with the information they need to build a cash flow model for structured finance and securitization deals. Financial professional Keith Allman explains individual functions and formulas, while also explaining the theory behind the spreadsheets. Each chapter begins with a discussion of theory, followed by a section called "Model Builder," in which Allman translates the theory into functions and formulas. In addition, the companion website features all of the modeling exercises, as well as a final version of the model that is created in the text. Note: Companion website and other supplementary materials are not included as part of eBook file.

FINANCIAL MODELING USING EXCEL AND VBA

John Wiley & Sons "Reviews all the necessary financial theory and concepts, and walks you through a wide range of real-world financial models" - cover.

ADVANCED EXCEL FOR PRODUCTIVITY

Lulu.com This book is for those who are familiar with Microsoft Excel and use it on a regular basis. You know there's more out there, a way to do more, faster, and better. Learn to step up your game with **Advanced Excel for Productivity**, a readable and useful guide to improving everything you do in Excel. Learn advanced techniques for Microsoft Excel, including keyboard shortcuts, functions, data analysis, VBA, and other advanced tips.

ANALYZING FINANCIAL DATA AND IMPLEMENTING FINANCIAL MODELS USING R

Springer 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 MODELING

MIT Press Too often, finance courses stop short of making a connection between textbook finance and the problems of real-world business. "Financial Modeling" bridges this gap between theory and practice by providing a nuts-and-bolts guide to solving common financial problems with spreadsheets. The CD-ROM contains Excel* worksheets and solutions to end-of-chapter exercises. 634 illustrations.

HEDGE FUND MODELLING AND ANALYSIS

AN OBJECT ORIENTED APPROACH USING C++

Wiley Use powerful C# algorithms and Object Oriented Programming (OOP) to aid in hedge fund decision making Hedge fund managers cannot afford to ignore their risk/return profiles, and taking advantage of new technologies is an excellent way to minimize risk and capitalize on various investment styles. As Hedge Fund Analysis and Modeling Using C# demonstrates, the C# programming language is perfectly suited to hedge fund analysis. This book serves as a complete course in hedge fund modeling and provides a primer on C# and Object Oriented Programming (OOP) that will allow you to manage risk easily and make the most of key statistics. Covering both basic and risk-adjusted performance measures, Hedge Fund Analysis and Modeling Using C# moves from simple to sophisticated analysis techniques, using worked examples to show you exactly how to manage return in an era of volatility and financial risk. You'll have access to: Complete guidance on using C# and Object Oriented Programming (OOP) for analysis using non-normal returns data and other key statistics Bonus content on a companion website containing C# programs, algorithms, and data available for download Real world modeling exercises that demonstrate the identification of risk and return factors Complete guidance for optimizing hedge fund decisions using quantitative strategies This is the only book on the market that guides you through using C# to model hedge fund risks and returns. Along with its companion titles on Excel/VBA analysis and MATLAB analysis, Hedge Fund

Analysis and Modeling Using C# contributes important guidance for hedge fund managers who want to take advantage of technological platforms for optimal fund performance.

FINANCIAL SIMULATION MODELING IN EXCEL

A STEP-BY-STEP GUIDE

John Wiley & Sons "I've worked with simulation in business for over 20 years, and Allman really nails it with this book. I admit that I own his previous book on structured finance cash flows, but I was surprised by what I found in here. He addresses the fundamental questions of how decision makers react to simulations and his read was very much in accordance with what I've experienced myself. When it came to the nuts and bolts of describing the different types of simulation analysis the book becomes incredibly detailed. There is working code and models for a fantastic array of the most common simulation problems. If you're so inclined, the book very carefully steps through the tricky math needed to really understand the theory behind stochastic modeling in finance. If you're preparing models that include any kind of randomization or stochastic modeling component, this book is a must-read, a tremendous value and time-saver." — David Brode of The Brode Group

A practical guide to understanding and implementing financial simulation modeling As simulation techniques become more popular among the financial community and a variety of sub-industries, a thorough understanding of theory and implementation is critical for practitioners involved in portfolio management, risk management, pricing, and capital budgeting. Financial Simulation Modeling in Excel contains the information you need to make the most informed decisions possible in your professional endeavors. Financial Simulation Modeling in Excel contains a practical, hands-on approach to learning complex financial simulation methodologies using Excel and VBA as a medium. Crafted in an easy to understand format, this book is suitable for anyone with a basic understanding of finance and Excel. Filled with in-depth insights and expert advice, each chapter takes you through the theory behind a simulation topic and the implementation of that same topic in Excel/VBA in a step-by-step manner. Organized in an easy-to-follow fashion, this guide effectively walks you through the process of creating and implementing risk models in Excel A companion website contains all the Excel models risk experts and quantitative analysts need to practice and confirm their results as they progress Keith Allman is the author of other successful modeling books, including Corporate Valuation Modeling and Modeling Structured Finance Cash Flows with Microsoft Excel Created for those with some background in finance and experience in Excel, this reliable resource shows you how to effectively perform sound financial simulation modeling, even if you've yet to do extensive modeling up to this point in your professional or academic career.

FINANCIAL PLANNING USING EXCEL

FORECASTING, PLANNING AND BUDGETING TECHNIQUES

Butterworth-Heinemann This book covers all aspects of budget preparation, from designing and creating a budgetary control system, consolidating data and working with spreadsheets. Now fully updated to include the latest version of Excel, Excel 2007 and for easy budgeting. The book shows how things are done in Excel 2003 and Excel 2007 to ease transition from the previous version to the new version. Now in full colour throughout to aid quick understanding through numerous color screen shots. For those who use Excel on a daily basis in budget planning, this book is a must. It contains a wealth of practical examples, tips, new techniques all designed to help quickly exploit and master Excel to its full advantage and therefore use spreadsheets for more effective management accounting in your firm. covers migration from Excel 2003 to Excel 2007 showing how to do it in both versions new edition now in full colour through out to aid quick understanding practical examples, tips and techniques - exploit Excel 2007 for effective management accounting

NEXT GENERATION EXCEL

MODELING IN EXCEL FOR ANALYSTS AND MBAS (FOR MS WINDOWS AND MAC OS)

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.

INVESTMENT BANKING

VALUATION, LBOS, M&A, AND IPOS

John Wiley & Sons A timely update to the global best-selling book on

investment banking and valuation In the constantly evolving world of finance, a solid technical foundation is an essential tool for success. Due to the fast-paced nature of this world, however, no one was able to take the time to properly codify its lifeblood—namely, valuation and dealmaking. Rosenbaum and Pearl originally responded to this need in 2009 by writing the first edition of the book that they wish had existed when they were trying to break into Wall Street. **Investment Banking: Valuation, LBOs, M&A, and IPOs, Third Edition** is a highly accessible and authoritative book written by investment bankers that explains how to perform the valuation work and financial analysis at the core of Wall Street—comparable companies, precedent transactions, DCF, LBO, M&A analysis . . . and now IPO analytics and valuation. Using a step-by-step, how-to approach for each methodology, the authors build a chronological knowledge base and define key terms, financial concepts, and processes throughout the book. The genesis for the original book stemmed from the authors' personal experiences as students interviewing for investment banking positions. As they both independently went through the rigorous process, they realized that their classroom experiences were a step removed from how valuation and financial analysis were performed in real-world situations. Consequently, they created this book to provide a leg up to those individuals seeking or beginning careers on Wall Street—from students at undergraduate universities and graduate schools to "career changers" looking to break into finance. Now, over 10 years after the release of the first edition, the book is more relevant and topical than ever. It is used in over 200 universities globally and has become a go-to resource for investment banks, private equity, investment firms, and corporations undertaking M&A transactions, LBOs, IPOs, restructurings, and investment decisions. As the world of finance adjusts to the new normal of the post-Great Recession era, it merits revisiting the pillars of the second edition for today's environment. While the fundamentals haven't changed, the environment must adapt to changing market developments and conditions. As a result, Rosenbaum and Pearl have updated their widely adopted book accordingly, while adding two new chapters on IPOs.

REAL ESTATE FINANCE AND INVESTMENTS

RISKS AND OPPORTUNITIES

HEDGE FUND ANALYSIS

AN IN-DEPTH GUIDE TO EVALUATING RETURN POTENTIAL AND ASSESSING RISKS

John Wiley & Sons A detailed, step-by-step book covering the entire hedge fund evaluation process Investing in hedge funds is different from investing in other asset classes. There is much less publicly available information about hedge funds performance than there is about mutual

funds or individual stocks. Consequently, investing in this class requires more sophisticated investment knowledge, greater due diligence, and, in many cases, a better-developed ability to evaluate investment managers. Hedge Fund Analysis provides a broad framework of how to approach this endeavor, from initial screening to analytical techniques, interviewing skills, and legal and contract negotiations. Along the way, it demonstrates a variety of mechanisms for monitoring and tracking hedge funds and the underlying hedge fund portfolios—explaining each stage of the process in minute detail and providing specific examples which fully explain the opportunities and challenges you'll face each step of the way. Provides a detailed look at how to source hedge funds, screen through them, and rank their strengths and weaknesses Lays out a thorough process for evaluating funds, from initial interviews to performance analysis to onsite meetings Reveals what questions to ask by strategy in order to understand the underlying risk factors associated with each Highlights non-investment analysis, including operational due diligence and risk management, as integral elements in the process Written by a financial professional with over twenty years of experience conducting investment manager due diligence, this book will put you in a position to make more informed decisions when investing in hedge funds.

HEDGE FUNDS

STRUCTURE, STRATEGIES, AND PERFORMANCE

Oxford University Press Hedge Funds: Structure, Strategies, and Performance provides a synthesis of the theoretical and empirical literature on this intriguing, complex, and frequently misunderstood topic. The book dispels some common misconceptions of hedge funds, showing that they are not a monolithic asset class but pursue highly diverse strategies. Furthermore, not all hedge funds are unusually risky, excessively leveraged, invest only in illiquid assets, attempt to profit from short-term market movements, or only benefit hedge fund managers due to their high fees. Among the core issues addressed are how hedge funds are structured and how they work, hedge fund strategies, leading issues in this investment, and the latest trends and developments. The authors examine hedge funds from a range of perspectives, and from the theoretical to the practical. The book explores the background, organization, and economics of hedge funds, as well as their structure. A key part is the diverse investment strategies hedge funds follow, for example some are activists, others focusing on relative value, and all have views on managing risk. The book examines various ways to evaluate hedge fund performance, and enhances understanding of their regulatory environment. The extensive and engaging examination of these issues help the reader understand the important issues and trends facing hedge funds, as well as their future prospects.

PROFESSIONAL FINANCIAL COMPUTING USING EXCEL AND VBA

John Wiley & Sons "Professional Financial Computing Using Excel and VBA is an admirable exposition that bridges the theoretical underpinnings of financial engineering and its application which usually appears as a "black-box" software application. The book opens the black-box and reveals the architecture of risk-modeling and financial engineering based on industry-standard stochastic models by utilizing Excel and VBA functionality to create a robust and practical modeling tool-kit. Financial engineering professionals who purchase this book will have a jumpstart advantage for their customized financial engineering and modeling needs." Dr. Cameron Wicentowich Vice President, Treasury Analytics Canadian Imperial Bank of Commerce (CIBC) "Spreadsheet modeling for finance has become a standard course in the curriculum of many Quantitative Finance programs since the Excel-based Visual Basic programming is now widely used in constructing optimal portfolios, pricing structured products and managing risks. Professional Financial Computing Using Excel and VBA is written by a unique team of finance, physics and computer academics and practitioners. It is a good reference for those who are studying for a Masters degree in Financial Engineering and Risk Management. It can also be useful for financial engineers to jump-start a project on designing structured products, modeling interest term structure or credit risks." Dr. Jin Zhang Director of Master of Finance Program and Associate Professor The University of Hong Kong "Excel has been one of the most powerful tools for financial planning and computing over the last few years. Most users utilize a fraction of its capabilities. One of the reasons is the limited availability of books that cover the advanced features of Excel for Finance. Professional Financial Computing Using Excel and VBA goes the extra mile and deals with the Excel tools many professionals call for. This book is a must for professionals or students dealing with financial engineering, financial risk management, computational finance or mathematical finance. I loved the way the authors covered the material using real life, hands-on examples." Dr. Isaac Gottlieb Temple University Author, Next Generation Excel: Modeling in Excel for Analysts and MBAs

UNLOCKING FINANCIAL DATA

A PRACTICAL GUIDE TO TECHNOLOGY FOR EQUITY AND FIXED INCOME ANALYSTS

"O'Reilly Media, Inc." Investors recognize that technology is a powerful tool for obtaining and interpreting financial data that could give them the one thing everyone on Wall Street wants: an edge. Yet, many don't realize that you don't need to be a programmer to access behind-the-scenes financial information from Bloomberg, IHS Markit, or other systems found at most banks and investment firms. This practical guide teaches analysts a useful subset of Excel skills that will enable them to access and interpret financial

information—without any prior programming experience. This book will show analysts, step-by-step, how to quickly produce professional reports that combine their views with Bloomberg or Markit data including historical financials, comparative analysis, and relative value. For portfolio managers, this book demonstrates how to create professional summary reports that contain a high-level view of a portfolio's performance, growth, risk-adjusted return, and composition. If you are a programmer, this book also contains a parallel path that covers the same topics using C#. Topics include: Access additional data that isn't visible on Bloomberg screens Create tables containing corporate data that makes it possible to compare multiple companies, bonds, or loans side-by-side Build one-page analytic ("Tear Sheet") reports for individual companies that incorporates important financials, custom notes, relative value comparison of the company to its peers, and price trends with research analyst targets Build two-page portfolio summary report that contains a high-level view of the portfolio's performance, growth, risk-adjusted return, and composition Explore daily prices and facility information for most of the tradable corporate bond and loan market Determine the relationship between two securities (or index) using correlation and regression Compare each security's performance to a cohort made up of securities with similar risk and return characteristics Measure portfolio risk-adjusted return by calculating variance, standard deviation, and Sharpe ratio Use Markit data to identify meaningful trends in prices, new issue spreads, and refinancings

EXCEL DATA ANALYSIS

MODELING AND SIMULATION

Springer This book offers a comprehensive and readable introduction to modern business and data analytics. It is based on the use of Excel, a tool that virtually all students and professionals have access to. The explanations are focused on understanding the techniques and their proper application, and are supplemented by a wealth of in-chapter and end-of-chapter exercises. In addition to the general statistical methods, the book also includes Monte Carlo simulation and optimization. The second edition has been thoroughly revised: new topics, exercises and examples have been added, and the readability has been further improved. The book is primarily intended for students in business, economics and government, as well as professionals, who need a more rigorous introduction to business and data analytics - yet also need to learn the topic quickly and without overly academic explanations.

OPTION PRICING MODELS AND VOLATILITY USING EXCEL-VBA

John Wiley & Sons This comprehensive guide offers traders, quants, and students the tools and techniques for using advanced models for

pricing options. The accompanying website includes data files, such as options prices, stock prices, or index prices, as well as all of the codes needed to use the option and volatility models described in the book. Praise for *Option Pricing Models & Volatility Using Excel-VBA* "Excel is already a great pedagogical tool for teaching option valuation and risk management. But the VBA routines in this book elevate Excel to an industrial-strength financial engineering toolbox. I have no doubt that it will become hugely successful as a reference for option traders and risk managers." —Peter Christoffersen, Associate Professor of Finance, Desautels Faculty of Management, McGill University "This book is filled with methodology and techniques on how to implement option pricing and volatility models in VBA. The book takes an in-depth look into how to implement the Heston and Heston and Nandi models and includes an entire chapter on parameter estimation, but this is just the tip of the iceberg. Everyone interested in derivatives should have this book in their personal library." —Espen Gaarder Haug, option trader, philosopher, and author of *Derivatives Models on Models* "I am impressed. This is an important book because it is the first book to cover the modern generation of option models, including stochastic volatility and GARCH." —Steven L. Heston, Assistant Professor of Finance, R.H. Smith School of Business, University of Maryland

EVALUATING HEDGE FUND AND CTA PERFORMANCE

DATA ENVELOPMENT ANALYSIS APPROACH

John Wiley & Sons *Introducing Data Envelopment Analysis (DEA)* -- a quantitative approach to assess the performance of hedge funds, funds of hedge funds, and commodity trading advisors. Steep yourself in this approach with this important new book by Greg Gregoriou and Joe Zhu. "This book steps beyond the traditional trade-off between single variables for risk and return in the determination of investment portfolios. For the first time, a comprehensive procedure is presented to compose portfolios using multiple measures of risk and return simultaneously. This approach represents a watershed in portfolio construction techniques and is especially useful for hedge fund and CTA offerings." -- Richard E. Oberuc, CEO, Burlington Hall Asset Management, Inc. Chairman, Foundation for Managed Derivatives Research Order your copy today!

INTEREST RATE RISK MODELING

THE FIXED INCOME VALUATION COURSE

Wiley The definitive guide to fixed income valuation and risk analysis The Trilogy in Fixed Income Valuation and Risk Analysis comprehensively covers the most definitive work on interest rate risk, term structure analysis, and credit risk. The first book on interest rate risk modeling examines virtually every well-known IRR model used for pricing and risk

analysis of various fixed income securities and their derivatives. The companion CD-ROM contain numerous formulas and programming tools that allow readers to better model risk and value fixed income securities. This comprehensive resource provides readers with the hands-on information and software needed to succeed in this financial arena.

FOUNDATIONS OF REAL ESTATE FINANCIAL MODELLING

Routledge Foundations of Real Estate Financial Modelling is specifically designed to provide an overview of pro forma modelling for real estate projects. The book introduces students and professionals to the basics of real estate finance theory before providing a step-by-step guide for financial model construction using Excel. The idea that real estate is an asset with unique characteristics which can be transformed, both physically and financially, forms the basis of discussion. Individual chapters are separated by functional unit and build upon themselves to include information on: Amortization Single-Family Unit Multi-Family Unit Development/Construction Addition(s) Waterfall (Equity Bifurcation) Accounting Statements Additional Asset Classes Further chapters are dedicated to risk quantification and include scenario, stochastic and Monte Carlo simulations, waterfalls and securitized products. This book is the ideal companion to core real estate finance textbooks and will boost students Excel modelling skills before they enter the workplace. The book provides individuals with a step-by-step instruction on how to construct a real estate financial model that is both scalable and modular. A companion website provides the pro forma models to give readers a basic financial model for each asset class as well as methods to quantify performance and understand how and why each model is constructed and the best practices for repositioning these assets.

SLICING PIE

FUNDING YOUR COMPANY WITHOUT FUNDS

Slicing Pie outlines a simple process for making sure that the founders and early employees of a start-up company get their fair share of the equity. You will learn: How to value the time and resources an individual brings to the company relative to the contributions of others ; The right way to value intangible things like ideas and relationships ; What to do when a founder leaves your company ; How to handle equity when you have to fire someone. (4e de couv.).

HOW TO BE AN INVESTMENT BANKER

RECRUITING, INTERVIEWING, AND LANDING THE JOB

John Wiley & Sons A top-notch resource for anyone who wants to break into the demanding world of investment banking For undergraduates and MBA students, this book offers the perfect preparation for the demanding and

rigorous investment banking recruitment process. It features an overview of investment banking and careers in the field, followed by chapters on the core accounting and finance skills that make up the necessary framework for success as a junior investment banker. The book then moves on to address the kind of specific technical interview and recruiting questions that students will encounter in the job search process, making this the ideal resource for anyone who wants to enter the field. The ideal test prep resource for undergraduates and MBA students trying to break into investment banking Based on author Andrew Gutmann's proprietary 24 to 30-hour course Features powerful learning tools, including sample interview questions and answers and online resources For anyone who wants to break into investment banking, How to Be an Investment Banker is the perfect career-making guide.

QUANTITATIVE MODELS FOR PERFORMANCE EVALUATION AND BENCHMARKING

DATA ENVELOPMENT ANALYSIS WITH SPREADSHEETS

Springer Science & Business Media Managers are often under great pressure to improve the performance of their organizations. To improve performance, one needs to constantly evaluate operations or processes related to producing products, providing services, and marketing and selling products. Performance evaluation and benchmarking are a widely used method to identify and adopt best practices as a means to improve performance and increase productivity, and are particularly valuable when no objective or engineered standard is available to define efficient and effective performance. For this reason, benchmarking is often used in managing service operations, because service standards (benchmarks) are more difficult to define than manufacturing standards. Benchmarks can be established but they are somewhat limited as they work with single measurements one at a time. It is difficult to evaluate an organization's performance when there are multiple inputs and outputs to the system. The difficulties are further enhanced when the relationships between the inputs and the outputs are complex and involve unknown tradeoffs. It is critical to show benchmarks where multiple measurements exist. The current book introduces the methodology of data envelopment analysis (DEA) and its uses in performance evaluation and benchmarking under the context of multiple performance measures.

HEDGE FUND RETURNS

AN ASSESSMENT OF THEIR STATISTICAL PROPERTIES, PREDICTABILITY AND EXPOSURES TO ECONOMIC RISKS

Logos Verlag Berlin GmbH The present work advances the research on hedge fund returns in three main areas. Firstly, their statistical properties are assessed in order to understand by what degree the returns of this

alternative asset class are subject to non-normality, autocorrelation and heteroscedasticity. Secondly, state-of-the-art econometric approaches are used for the purpose of analyzing whether and to what extent monthly hedge fund returns are forecastable. Thirdly, an effort is made to identify and explain which economic risks affect the performance of the different hedge fund strategy styles in which way. The empirical results suggest that monthly hedge fund returns are forecastable by means of multivariate regression models which rely on economic predictors such as changes in interest rates or changes in business outlooks. Accounting for the fact that hedge fund returns are non-normally distributed, heteroscedastic and time-varying in their exposure to pervasive risk factors, the devised econometric models are found to deliver significant out-of-sample predictive power. The thesis at hand also documents that the interdependencies between the monthly changes of envisaged risk factors and the subsequent hedge fund returns remain remarkably stable throughout time. In essence, the performance of hedge funds appears to be sensitive to common business cycle movements. Altogether, the results are relevant to researchers in search of a description and application of contemporary return prediction methods as well as to investors in need of a better understanding of the drivers of hedge fund returns.

SPREADSHEET MODELING IN CORPORATE FINANCE

Providing instructions for building financial models, not templates, this book and its associated website supply a programme of active learning. Instead of finding completely ready-made material, students are encouraged to use the resources to build models themselves. No Excel knowledge assumed. Emphasis on Beta and CAPM.

CORPORATE AND PROJECT FINANCE MODELING

THEORY AND PRACTICE

John Wiley & Sons A clear and comprehensive guide to financial modeling and valuation with extensive case studies and practice exercises Corporate and Project Finance Modeling takes a clear, coherent approach to a complex and technical topic. Written by a globally-recognized financial and economic consultant, this book provides a thorough explanation of financial modeling and analysis while describing the practical application of newly-developed techniques. Theoretical discussion, case studies and step-by-step guides allow readers to master many difficult modeling problems and also explain how to build highly structured models from the ground up. The companion website includes downloadable examples, templates, and hundreds of exercises that allow readers to immediately apply the complex ideas discussed. Financial valuation is an in-depth process, involving both objective and subjective parameters. Precise modeling is critical, and thorough, accurate analysis is what bridges the gap from model to value.

This book allows readers to gain a true mastery of the principles underlying financial modeling and valuation by helping them to: Develop flexible and accurate valuation analysis incorporating cash flow waterfalls, depreciation and retirements, updates for new historic periods, and dynamic presentation of scenario and sensitivity analysis; Build customized spreadsheet functions that solve circular logic arising in project and corporate valuation without cumbersome copy and paste macros; Derive accurate measures of normalized cash flow and implied valuation multiples that account for asset life, changing growth, taxes, varying returns and cost of capital; Incorporate stochastic analysis with alternative time series equations and Monte Carlo simulation without add-ins; Understand valuation effects of debt sizing, sculpting, project funding, re-financing, holding periods and credit enhancements. Corporate and Project Finance Modeling provides comprehensive guidance and extensive explanation, making it essential reading for anyone in the field.

OPTIMAL PORTFOLIO MODELING

MODELS TO MAXIMIZE RETURNS AND CONTROL RISK IN EXCEL AND R

John Wiley & Sons Optimal Portfolio Modeling is an easily accessible introduction to portfolio modeling for those who prefer an intuitive approach to this discipline. While early chapters provide engaging insights on the statistical properties of markets, this book quickly moves on to illustrate invaluable trading and risk control models based on popular programs such as Excel and the statistical modeling language R. This reliable resource presents modeling formulas that will allow you to effectively maximize the performance, minimize the drawdown, and manage the risk of your portfolio.

MICROSOFT EXCEL 2013 DATA ANALYSIS AND BUSINESS MODELING

DATA ANALYSIS AND BUSINESS MODELING

Pearson Education Master business modeling and analysis techniques with Microsoft Excel 2013, and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide shows you how to use the latest Excel tools to integrate data from multiple tables—and how to effectively build a relational data source inside an Excel workbook. Solve real business problems with Excel—and sharpen your edge Summarize data with PivotTables and Descriptive Statistics Explore new trends in predictive and prescriptive analytics Use Excel Trend Curves, multiple regression, and exponential smoothing Master advanced Excel functions such as OFFSET and INDIRECT Delve into key financial, statistical, and time functions Make your charts more effective with the Power View tool Tame complex optimization problems with Excel Solver Run Monte Carlo simulations on stock prices and bidding models Apply important modeling tools such as the Inquire add-in

MODELING LEVERAGED BUYOUTS SIMPLIFIED

Modeling Leveraged Buyouts - Simplified is for MBA, CFA or undergraduate finance students interested in understanding and modeling leveraged buyouts ('LBO'). This book is also helpful for financial executives and others interested in understanding and modeling LBOs. It is a wonderful resource for students or professionals interviewing for jobs in the private equity, investment banking or hedge fund industry because it will teach you how to build a basic LBO model in 1-2 hours. This book assumes that the reader is familiar with basic finance and accounting concepts. For example, the reader is expected to know the structure of an income statement, the meaning of the term working capital, internal rate of return (IRR) and multiples. The reader is NOT expected to be an expert in Microsoft Excel but has to be reasonably familiar with Microsoft Excel. No two LBO transactions are exactly alike. Each LBO transaction will have unique features, characteristics and structure. This book will teach you how to build a simple LBO model. Once you can confidently build a simple LBO model, you can add many bells and whistles to reflect the numerous specifics of the LBO transaction you are considering or modeling. **Modeling Leveraged Buyouts - Simplified** is based on Senith Mathews' experience tutoring students and executives in financial modeling over 10 years and building models as a management consultant with Arthur Andersen and Mercer Management Consulting (now Oliver Wyman). **Modeling Leveraged Buyouts - Simplified** narrowly focusses on modeling leveraged buy outs given the surge in interest in LBOs. The first part of **Modeling Leveraged Buyouts - Simplified** (chapters 1-5) walks you through building and analyzing an LBO model step by step. The first chapter of the book lays the foundations of the LBO model outlining the basic principles, components and structure of an LBO model. The second chapter lists and describes the ingredients of an LBO model. This chapter covers the background and assumptions required to build an LBO model. The third chapter of the book shows you how to build the heart of an LBO model: the cash flow projections. It is the cash flow projections that drive investment returns and performance. The fourth chapter of the book teaches you how to develop the output of an LBO model. Here we look at how to compute the key metrics in an LBO transaction. You will see how a project's returns differs from the private equity investor's returns and how a project may give