

financial modeling and valuation pdf

financial modeling and valuation pdf resources serve as essential tools for finance professionals, analysts, and students seeking to deepen their understanding of financial analysis and company valuation techniques. These comprehensive guides provide step-by-step instructions, templates, and theoretical foundations necessary to build robust financial models and accurately assess business worth. This article explores the significance of financial modeling and valuation PDFs, their key components, and the practical applications they support. Additionally, it highlights the benefits of utilizing these digital resources for enhanced learning and professional development. Readers will gain insights into the critical methodologies such as discounted cash flow (DCF) analysis, comparable company analysis, and precedent transactions, all commonly covered in these materials. The discussion also covers best practices for selecting and using financial modeling and valuation PDFs effectively. Following this introduction, a detailed outline of the main topics covered will guide the reader through the article.

- Understanding Financial Modeling and Valuation PDFs
- Core Components of Financial Modeling
- Valuation Techniques Explained
- Benefits of Using Financial Modeling and Valuation PDFs
- How to Choose the Right Financial Modeling and Valuation PDF
- Practical Applications in Finance and Investment

Understanding Financial Modeling and Valuation PDFs

Financial modeling and valuation PDFs are digital documents that compile essential knowledge, frameworks, and examples related to constructing financial models and performing company valuations. These PDFs often include detailed explanations, formulas, and sample models that users can study and replicate. They are widely used in academic settings, corporate finance departments, investment banking, private equity, and other finance-related fields.

Purpose and Usage

The primary purpose of these PDFs is to provide a structured learning tool that guides users through complex financial concepts systematically. They enable learners to understand how to forecast a company's financial performance, assess its capital structure, and estimate its intrinsic value through various modeling techniques. Additionally, financial modeling and

valuation PDFs serve as reference materials that professionals can consult when performing real-world financial analysis.

Common Formats and Features

Most financial modeling and valuation PDFs include comprehensive chapters on financial statements, cash flow projections, sensitivity analysis, and valuation methods. They may also incorporate case studies, Excel templates, and step-by-step walkthroughs of building models from scratch. The inclusion of practical examples helps users apply theoretical knowledge to actual business scenarios, enhancing their analytical capabilities.

Core Components of Financial Modeling

Financial modeling involves creating a quantitative representation of a company's financial performance. The core components of financial modeling PDFs typically cover the following foundational elements:

- Historical Financial Data Analysis
- Revenue and Expense Forecasting
- Capital Expenditure and Working Capital Modeling
- Debt and Equity Financing Structures
- Profit and Loss, Balance Sheet, and Cash Flow Projections

Historical Data Analysis

Accurate financial modeling begins with an in-depth analysis of historical financial statements. PDFs on this subject usually provide guidance on how to extract meaningful trends and ratios from income statements, balance sheets, and cash flow statements. This historical context sets the foundation for reliable projections.

Forecasting Techniques

Forecasting future revenues, costs, and capital expenditures is a critical step. Financial modeling and valuation PDFs detail methods such as top-down and bottom-up approaches, as well as driver-based forecasting, to predict future financial outcomes with precision and credibility.

Valuation Techniques Explained

Valuation is the process of determining the present value of an asset or company. Financial modeling and valuation PDFs extensively cover various valuation methodologies, explaining their theoretical basis and practical application.

Discounted Cash Flow (DCF) Analysis

DCF analysis estimates the value of an investment based on its expected future cash flows, discounted back to present value using a discount rate that reflects the investment's risk. PDFs provide detailed formulas, assumptions, and sensitivity analyses to master this technique.

Comparable Company Analysis

This method involves evaluating a company's value relative to similar firms using valuation multiples like EV/EBITDA, P/E, and Price-to-Book ratios. Financial modeling and valuation PDFs explain how to select appropriate peers and adjust for differences among companies.

Precedent Transactions Analysis

Precedent transactions analysis assesses a company's value based on prices paid for similar companies in past M&A deals. Comprehensive PDFs discuss sourcing transaction data, normalizing metrics, and applying appropriate valuation multiples.

Benefits of Using Financial Modeling and Valuation PDFs

Utilizing financial modeling and valuation PDFs offers numerous advantages for learners and professionals alike. These benefits enhance comprehension, efficiency, and accuracy in financial analysis tasks.

- **Structured Learning:** PDFs organize complex concepts into digestible sections for progressive mastery.
- **Accessibility:** Digital format allows quick reference anytime, anywhere.
- **Practical Examples:** Real-world cases and templates facilitate hands-on experience.
- **Consistency:** Standardized methodologies promote uniformity in analysis across teams.

- **Cost-Effectiveness:** Many PDFs are freely available or low-cost compared to traditional textbooks.

How to Choose the Right Financial Modeling and Valuation PDF

Selecting the most suitable financial modeling and valuation PDF depends on the user's experience level, objectives, and specific areas of interest. The following criteria should guide the selection process:

- **Authoritative Source:** Choose PDFs authored by recognized experts or reputable institutions.
- **Comprehensiveness:** Ensure the material covers essential topics such as forecasting, DCF, and comparable analysis.
- **Practical Application:** Look for resources with examples, templates, and exercises.
- **Updated Content:** Prefer recent publications reflecting current market practices and regulations.
- **User Reviews:** Consider feedback from other readers or professionals.

Practical Applications in Finance and Investment

Financial modeling and valuation PDFs are instrumental in various professional contexts, enabling users to apply their knowledge effectively.

Investment Banking and Mergers & Acquisitions

Investment bankers rely heavily on financial models to value companies, assess deal feasibility, and advise clients during mergers, acquisitions, or public offerings. The PDFs equip analysts with the tools to produce detailed valuation reports and investment memoranda.

Corporate Finance and Strategic Planning

Corporate finance teams use modeling and valuation to inform budgeting, capital allocation, and strategic initiatives. Financial modeling PDFs help these professionals align forecasts with corporate goals and market expectations.

Private Equity and Venture Capital

Private equity and venture capital investors employ valuation models to evaluate potential investments and exit strategies. PDFs in this area aid in understanding risk-adjusted returns and growth projections for portfolio companies.

Academic and Professional Development

Students and finance professionals preparing for certifications such as CFA, CPA, or financial analyst roles benefit from financial modeling and valuation PDFs as part of their study materials, enhancing both theoretical knowledge and practical skills.

Frequently Asked Questions

What is financial modeling and valuation in a PDF format?

Financial modeling and valuation in PDF format typically refers to comprehensive guides, templates, or textbooks that explain how to build financial models and perform company valuations, provided in a portable document format for easy access and reference.

Where can I find reliable financial modeling and valuation PDFs for beginners?

Reliable financial modeling and valuation PDFs for beginners can be found on educational websites like Coursera, Investopedia, corporate finance institutes, or university course pages offering free downloads or sample chapters.

What are the key components included in a financial modeling and valuation PDF?

Key components usually include step-by-step instructions on building financial statements, forecasting, discounted cash flow (DCF) valuation, comparable company analysis, precedent transactions, and sensitivity analysis.

How can financial modeling and valuation PDFs help in career development?

These PDFs provide foundational knowledge and practical templates that help finance professionals improve their analytical skills, prepare for interviews, and perform valuation tasks more efficiently in investment banking, equity research, and corporate finance.

Are there free financial modeling and valuation PDF templates available online?

Yes, many websites and educational platforms offer free downloadable financial modeling and valuation templates in PDF format, which can help users practice building models and understanding valuation concepts.

What software tools are commonly used alongside financial modeling and valuation PDFs?

Microsoft Excel is the most commonly used tool for building financial models, often supplemented by PDFs that provide guidance, formulas, and examples to create accurate and dynamic valuation models.

Can financial modeling and valuation PDFs be used for real estate valuation?

Yes, some financial modeling and valuation PDFs include sections or specific models tailored for real estate valuation, such as discounted cash flow for property investments and rental income forecasting.

What is the difference between financial modeling and valuation PDFs and online courses?

Financial modeling and valuation PDFs are static documents that provide written instructions and templates, while online courses often include video tutorials, interactive exercises, and real-time feedback for more engaging learning.

How often are financial modeling and valuation PDFs updated to reflect current market practices?

Top financial modeling and valuation PDFs are typically updated annually or biannually to incorporate changes in accounting standards, market conditions, and valuation methodologies to stay relevant and accurate.

Additional Resources

1. Financial Modeling and Valuation: A Practical Guide to Investment Banking and Private Equity

This book offers a comprehensive introduction to financial modeling and valuation techniques used in investment banking and private equity. It covers Excel modeling, company valuation, and the fundamentals of financial statement analysis. The practical approach makes it suitable for both students and professionals aiming to enhance their quantitative skills.

2. Investment Valuation: Tools and Techniques for Determining the Value of Any Asset

Authored by Aswath Damodaran, this book delves into various valuation methodologies, including discounted cash flow, relative valuation, and contingent claim valuation. It provides detailed insights into valuing different asset classes, from stocks and bonds to real estate and private firms. The text is widely regarded as a foundational resource for financial

analysts.

3. *Financial Modeling Using Excel and VBA*

This book focuses on building robust financial models using Excel and VBA programming. It teaches readers how to automate repetitive tasks and create dynamic models that can adapt to changing assumptions. Ideal for finance professionals who want to improve efficiency and accuracy in their modeling work.

4. *Equity Asset Valuation*

Part of the CFA Institute Investment Series, this book covers the theory and practice of equity valuation. It includes comprehensive discussions on financial statement analysis, forecasting, and valuation techniques. The content is aligned with professional standards, making it useful for CFA candidates and finance practitioners.

5. *The Little Book of Valuation: How to Value a Company, Pick a Stock and Profit*

This concise guide offers straightforward explanations of valuation principles and practical advice on stock picking. It is designed for investors seeking to understand how market prices relate to intrinsic value. The book simplifies complex concepts without sacrificing depth, making valuation accessible to a broad audience.

6. *Financial Modeling and Valuation Workbook: Step-by-Step Exercises and Tests to Help You Master Financial Modeling and Valuation*

This workbook complements theoretical texts by providing hands-on exercises and case studies in financial modeling and valuation. It guides readers through building models from scratch, interpreting outputs, and applying valuation techniques. The interactive format enhances learning and retention of key concepts.

7. *Valuation: Measuring and Managing the Value of Companies*

Written by McKinsey & Company experts, this book is a definitive resource on corporate valuation. It combines theory with real-world applications, focusing on value creation and strategic decision-making. The latest edition incorporates contemporary valuation challenges and tools used by top professionals.

8. *Financial Modeling for Business Owners and Entrepreneurs: Developing Excel Models to Raise Capital, Increase Cash Flow, Improve Operations, Plan Projects, and Make Decisions*

Targeted at business owners and entrepreneurs, this book explains how to construct financial models that support business planning and fundraising. It emphasizes practical applications such as cash flow forecasting and scenario analysis. Readers learn to leverage Excel for better financial decision-making.

9. *Corporate Finance: Theory and Practice*

This textbook balances theoretical frameworks with practical valuation and financial modeling techniques. It covers topics such as capital budgeting, risk analysis, and capital structure decisions. Suitable for advanced students and practitioners, it provides a solid foundation in corporate finance principles and their application.

Financial Modeling And Valuation Pdf

Financial Modeling and Valuation: A Comprehensive Guide to PDF Resources and Best Practices

Financial modeling and valuation are critical skills for making informed investment decisions, assessing business performance, and securing funding. This ebook provides a comprehensive overview of these techniques, exploring their significance and application across various financial contexts, focusing particularly on readily available PDF resources and best practices to optimize their use.

Ebook Title: Mastering Financial Modeling and Valuation: A Practical Guide with PDF Resources

Outline:

Introduction: The importance of financial modeling and valuation in finance and business.

Chapter 1: Core Concepts of Financial Modeling: Defining financial models, their types, and underlying assumptions.

Chapter 2: Building Financial Models in Excel: Step-by-step guide to building various financial models (DCF, comparable company analysis, precedent transactions). Includes practical examples and downloadable templates.

Chapter 3: Valuation Techniques: Detailed explanation of Discounted Cash Flow (DCF) analysis, relative valuation (comparable company analysis and precedent transactions), and asset-based valuation.

Chapter 4: Advanced Modeling Techniques: Exploring more complex models, such as LBO modeling, merger modeling, and real options analysis. Discussion of sensitivity analysis and scenario planning.

Chapter 5: Interpreting Model Outputs and Limitations: Understanding the strengths and weaknesses of different modeling approaches and how to interpret results effectively. Addressing potential biases and limitations.

Chapter 6: Best Practices and Software Tools: Tips for creating accurate, efficient, and user-friendly financial models. Review of relevant software and resources (including PDF downloads).

Chapter 7: Case Studies and Real-World Applications: Illustrative case studies demonstrating the practical application of financial modeling and valuation in different industries and scenarios.

Conclusion: Recap of key concepts, future trends, and resources for continued learning.

Detailed Explanation of Outline Points:

Introduction: This section will establish the context of financial modeling and valuation, highlighting its relevance to various stakeholders including investors, entrepreneurs, and financial analysts. It will briefly introduce the core concepts and the structure of the ebook.

Chapter 1: Core Concepts of Financial Modeling: This chapter will define financial models, outlining their purpose and different types such as forecasting models, valuation models, and simulation models. It will explore crucial underlying assumptions, data sources, and limitations inherent in these models.

Chapter 2: Building Financial Models in Excel: This practical chapter provides a step-by-step guide to constructing different financial models using Microsoft Excel, a widely used tool in the field. It will cover essential functions, formulas, and techniques, illustrated with clear examples and downloadable Excel templates.

Chapter 3: Valuation Techniques: This chapter delves into the core valuation methodologies, focusing on Discounted Cash Flow (DCF) analysis – a widely used intrinsic valuation method. It also explains relative valuation techniques like comparable company analysis (using multiples) and precedent transactions, offering a comparative analysis of each approach.

Chapter 4: Advanced Modeling Techniques: Moving beyond basic models, this chapter explores more complex scenarios such as leveraged buyout (LBO) modeling, merger and acquisition (M&A) modeling, and the incorporation of real options analysis. It will introduce techniques for sensitivity analysis and scenario planning to assess model robustness.

Chapter 5: Interpreting Model Outputs and Limitations: This crucial chapter emphasizes the importance of interpreting model results cautiously. It highlights the strengths and weaknesses of different models and stresses the potential for biases and inaccuracies. It will guide readers in understanding the limitations and making informed judgments.

Chapter 6: Best Practices and Software Tools: This chapter focuses on practical tips for building efficient, clear, and accurate financial models, emphasizing best practices for data management, model structure, and presentation. It will review commonly used software and online resources, including links to helpful PDF downloads.

Chapter 7: Case Studies and Real-World Applications: This section will reinforce learning through real-world case studies demonstrating the application of financial modeling and valuation across various industries (e.g., technology, healthcare, real estate). These examples showcase how different models are used in practical decision-making.

Conclusion: The conclusion summarizes the key takeaways, reiterates the importance of financial modeling and valuation, and points towards future trends in the field. It also offers further resources and learning pathways for readers to expand their knowledge.

Keywords: Financial modeling, valuation, DCF analysis, comparable company analysis, precedent transactions, Excel modeling, LBO modeling, merger modeling, financial statement analysis, investment banking, private equity, corporate finance, PDF resources, financial modeling templates, valuation techniques, sensitivity analysis, scenario planning, financial modeling best practices.

Frequently Asked Questions (FAQs):

1. What is the difference between DCF and relative valuation? DCF focuses on intrinsic value based on future cash flows, while relative valuation compares a company to its peers based on market multiples.
2. What software is best for financial modeling? Microsoft Excel remains the industry standard, but specialized software like Bloomberg Terminal and Capital IQ offer advanced features.
3. Where can I find free financial modeling templates? Many resources are available online, but

carefully assess their reliability and accuracy before using them.

4. How do I perform sensitivity analysis in a financial model? By changing key input variables (e.g., discount rate, growth rate) and observing the impact on the valuation.
5. What are the limitations of financial modeling? Models rely on assumptions, which may not always be accurate, and future performance is inherently uncertain.
6. How can I improve my financial modeling skills? Through practice, taking courses, and reading relevant literature.
7. What are some common mistakes in financial modeling? Incorrect formulas, flawed assumptions, and poor data quality are frequent pitfalls.
8. What is the role of financial modeling in investment decisions? It helps assess the potential returns and risks associated with an investment opportunity.
9. How important is presentation in financial modeling? Clear and concise presentation is crucial for effective communication of findings.

Related Articles:

1. Discounted Cash Flow (DCF) Analysis: A Step-by-Step Guide: A detailed tutorial on performing DCF analysis, including various valuation approaches.
2. Comparable Company Analysis: Best Practices and Pitfalls: A comprehensive guide to using comparable company analysis, focusing on selecting appropriate comparables and interpreting multiples.
3. Leveraged Buyout (LBO) Modeling: A Practical Approach: A step-by-step guide to building an LBO model, including key assumptions and calculations.
4. Merger and Acquisition (M&A) Modeling: A Comprehensive Overview: A detailed explanation of M&A modeling, including valuation methodologies and deal structuring.
5. Financial Statement Analysis: A Foundation for Financial Modeling: An introduction to financial statement analysis and its crucial role in financial modeling.
6. Sensitivity Analysis and Scenario Planning in Financial Modeling: A practical guide to conducting sensitivity analysis and scenario planning to assess model robustness.
7. Excel Functions for Financial Modeling: A Comprehensive Guide: A comprehensive guide to essential Excel functions for financial modeling.
8. Advanced Financial Modeling Techniques: Real Options and Monte Carlo Simulation: An exploration of advanced modeling techniques, including real options analysis and Monte Carlo simulations.
9. Top 10 Mistakes to Avoid in Financial Modeling: A practical guide highlighting common mistakes in financial modeling and how to avoid them.

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financial modeling and valuation pdf: Corporate and Project Finance Modeling Edward Bodmer, 2014-11-10 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

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analysis, etc.

financial modeling and valuation pdf: *Financial Analysis and Modeling Using Excel and VBA* Chandan Sengupta, 2009-11-09 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.

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financial modeling and valuation pdf: *Building Financial Models with Microsoft Excel* K. Scott Proctor, 2004-10-28 A comprehensive guide to building financial models *Building Financial Models with Microsoft Excel + CD-ROM* provides beginning or intermediate level computer users with step-by-step instructions on building financial models using Microsoft Excel-the most popular spreadsheet program available. The accompanying CD-ROM contains Excel worksheets that track the course of the book and allow readers to build their own financial models. This comprehensive resource also covers important topics such as the concept of valuation, the concept of sensitivity analysis, the concepts of contribution margin and financial ratios and the basics of building and using a Capitalization Table. K. Scott Proctor, CFA, is the Director of Investor Analytics at SNL Financial, a financial information provider.

financial modeling and valuation pdf: *Financial Modeling for Business Owners and Entrepreneurs* Tom Y. Sawyer, 2014-09-22 *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*.

financial modeling and valuation pdf: Principles of Financial Modelling Michael Rees, 2018-03-19 The comprehensive, broadly-applicable, real-world guide to financial modelling *Principles of Financial Modelling – Model Design and Best Practices Using Excel and VBA* covers the full spectrum of financial modelling tools and techniques in order to provide practical skills that are grounded in real-world applications. Based on rigorously-tested materials created for consulting projects and for training courses, this book demonstrates how to plan, design and build financial models that are flexible, robust, transparent, and highly applicable to a wide range of planning, forecasting and decision-support contexts. This book integrates theory and practice to provide a high-value resource for anyone wanting to gain a practical understanding of this complex and nuanced topic. Highlights of its content include extensive coverage of: Model design and best practices, including the optimisation of data structures and layout, maximising transparency, balancing complexity with flexibility, dealing with circularity, model audit and error-checking Sensitivity and scenario analysis, simulation, and optimisation Data manipulation and analysis The use and choice of Excel functions and functionality, including advanced functions and those from all categories, as well as of VBA and its key areas of application within financial modelling The companion website provides approximately 235 Excel files (screen-clips of most of which are shown in the text), which demonstrate key principles in modelling, as well as providing many examples of the use of Excel functions and VBA macros. These facilitate learning and have a strong emphasis on practical solutions and direct real-world application. For practical instruction, robust technique and clear presentation, *Principles of Financial Modelling* is the premier guide to real-world financial modelling from the ground up. It provides clear instruction applicable across sectors, settings and countries, and is presented in a well-structured and highly-developed format that is accessible to people with different backgrounds.

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optimization, and recent developments in optimization with higher moments are also discussed. Sergio M. Focardi (Paris, France) is a founding partner of the Paris-based consulting firm, The Intertek Group. He is a member of the editorial board of the Journal of Portfolio Management. He is also the author of numerous articles and books on financial modeling. Petter N. Kolm, PhD (New Haven, CT and New York, NY), is a graduate student in finance at the Yale School of Management and a financial consultant in New York City. Previously, he worked in the Quantitative Strategies Group of Goldman Sachs Asset Management, where he developed quantitative investment models and strategies.

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