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Interest Rate Risk Management Prentice Hall
� Worked examples illustrating key points � Explanation of complex or obscure terms � Full glossary of terms The titles in this series, all previously published by BPP Training, are now available in entirely updated and reformatted editions. Each offers an international perspective on a particular aspect of risk management. Topics include interest-rate exposures, fixed or floating-rate interest, term of funding and the yield curve, forward rates and the yield curve and basis risk, gap exposure, and price risk.

Measuring and Controlling Interest Rate and Credit Risk Prentice Hall
Measuring and Controlling Interest Rate and Credit Risk provides keys to using derivatives to control interest rate risk and credit risk, and controlling interest rate risk in a mortgage-backed securities derivative portfolio. This book includes information on measuring yield curve risk, swaps and exchange-traded options, TC options and related products, and describes how to measure and control the interest rate of risk of a bond portfolio or trading position. Measuring and Controlling Interest Rate and Credit Risk is a systematic evaluation of how to measure and control the interest rate risk and credit risk of a bond portfolio or trading position, defining key points in the process of risk management as related to financial situations. The authors construct a verbal flow chart, defining and illustrating interest rate risk and credit risk in regards to valuation, probability distributions, forecasting yield volatility, correlation and regression analyses. Hedging instruments discussed include futures contracts, interest rate swaps, exchange traded options, OTC options, and credit derivatives. The text includes calculated examples and readers will learn how to measure and control the interest rate risk and credit risk of a bond portfolio or trading position. They will discover value at risk approaches, valuation, probability distributions, yield volatility, futures, interest rate swaps, exchange traded funds; and find in-depth, up-to-date information on measuring interest rate with derivatives, quantifying the results of positions, and hedging. Frank J. Fabozzi (New Hope, PA) is a financial consultant, the Editor of the Journal of Portfolio Management, and an Adjunct Professor of Finance at Yale University?s School of Management. Steven V. Mann (Columbia, SC) is Professor of Finance at the Moore School of Business, University of South Carolina. Moorad Choudhry (Surrey, UK) is a Vice President with JPMorgan Chase structured finance services in London. Moorad Choudhry (Surrey, England) is a senior Fellow at the Centre for Mathematical Trading and Finance, CASS Business School, London, and is Editor of the Journal of Bond Trading and Management. He has authored a number of books on fixed income analysis and the capital markets. Moorad began his City career with ABN Amro Hoare Govett Sterling Bonds Limited, where he worked as a gilt-edged market maker, and Hambros Bank Limited where he was a sterling proprietary trader. He is currently a vice-president in Structured Finance Services with JPMorgan Chase Bank in London.

Managing Interest Rate Risk John Wiley & Sons
It is an oft-repeated mantra that "munis are different" and that standard analytical tools are irrelevant to managing them. Andrew Kalotay certainly agrees that munis are different. In fact, they are more complex than just about any other bond category. Munis are rich in options, their pricing is tax-dependent, the benchmark curves are comprised of callable bond yields ... and the list goes on. Dr. Kalotay argues that the complexities of munis actually mandate the use of modern fixed income analytics. He demonstrates the necessity for option-adjusted spread (OAS) technology, and exposes the potential pitfalls of risk management by "yield-to-worst." And he offers an in-depth discussion of the de minimis tax effect, which depresses the prices of discount munis. The breakthrough concept of tax-neutral OAS analysis accurately captures this effect. Without tax-neutral OAS, discount munis look deceptively cheap, and their durations are grossly underestimated. Risk managers should sit up and take notice.

Understanding and Managing Interest Rate Risks McGraw Hill Professional
There are two types of tenn structure models in the literature: the equilibrium models and the no-arbitrage models. And there are, correspondingly, two types of interest rate derivatives pricing fonnulas based on each type of model of the tenn structure. The no-arbitrage models are characterized by the work of Ho and Lee (1986), Heath, Jarrow, and Morton (1992), Hull and White (1990 and 1993), and Black, Dennan and Toy (1990). Ho and Lee (1986) invent the no-arbitrage approach to the tenn structure modeling in the sense that the model tenn structure can fit the initial (observed) tenn structure of interest rates. There are a number of disadvantages with their model. First, the model describes the whole volatility structure by a sin gle parameter, implying a number of unrealistic features. Furthennore, the model does not incorporate mean reversion. Black-Dennan-Toy (1990) develop a model along tbe lines of Ho and Lee. They eliminate some of the problems of Ho and Lee (1986) but create a new one: for a certain specification of the volatility function, the short rate can be mean-fteeting rather than mean-reverting. Heath, Jarrow and Morton (1992) (HJM) construct a family of continuous models of the term struc ture consistent with the initial tenn structure data.

Interest Rate Risk Modeling Managing Interest Rate RiskUsing Financial Derivatives
A comprehensive guide to managing global financial risk From the balance of payment exposure to foreign exchange and interest rate risk, to credit derivatives and other exotic options, futures, and swaps for mitigating and transferring risk, this book provides a simple yet comprehensive analysis of complex derivatives pricing and their application in risk management. The risk posed by foreign exchange transactions stems from the volatility of the exchange rate, the volatility of the interest rates, and factors unique to individual companies which are interrelated. To protect and hedge against adverse currency and interest rate changes, multinational corporations need to take concrete steps for mitigating these risks. Managing Global Financial and Foreign Exchange Rate Risk offers a thorough treatment of price, foreign currency, and interest rate risk management practices of multinational corporations in a dynamic global economy. It lays out the pros and cons of various hedging instruments, as well as the economic cost benefit analysis of alternative hedging vehicles. Written in a detailed yet user–friendly manner, this resource provides treasurers and other financial managers with the tools they need to manage their various exposures to credit, price, and foreign exchange risk. Managing Global Financial and Foreign Exchange Rate Risk covers various swaps in this geometrically growing field with notional principal in excess of $120 trillion. From caplet and corridors to call and put swaptions this book covers the micro structure of the swaps, options, futures, and foreign exchange markets. From credit default swap and transfer and convertibility options to asset swap switch and weather derivatives this book illustrates their simple pricing and application. To show real-world examples, each chapter includes a case study highlighting a specific problem, as well as a set of steps to solve it. Numerous charts accompanied with actual Wall Street figures provide the reader with the opportunity to comprehend and appreciate the role and function of derivatives, which are often misunderstood in the financial market. This detailed resource will guide the individual, government and multinational corporations safely through the maze of various exposures. A must-read for treasures, controllers, money mangers, portfolio managers, security analyst and academics, Managing Global Financial and Foreign Exchange Rate Risk represents an important collection of up-to-date risk management solutions. Ghassem A. Homaifar is a professor of financial economics at Middle Tennessee State University. He has Master of Science in Industrial Management from State University of New York at Stony Brook and PhD in Finance from University of Alabama in 1982. He is the author of numerous articles that have appeared in the Journal of Risk and Insurance, Journal of Business Finance and Accounting, Weltwirtschsftliches Archiv Review of World Economics, Advances in Futures and Options Research,Applied Financial Economics, Applied Economics, International Economics, and Global Finance Journal.

A Best Practice Guide to Management and Hedging Springer Nature
As with previous titles in the IIA (Institute of Internal Auditors) series this is a clear and practical guide to a subject of key importance to financial managers. Whether borrowing, investing, saving or trading, a company will always have to take into account the cost of capital and therefore interest rate risk. The highly accessible style explains everything from the basic principles through to the techniques allowing those without prior knowledge to understand the nature and use of a variety of financial tools, including derivative instruments. This is the third part of the trilogy on market risk, the previous two being Managing Currency Risk and Managing Commodity Risk.

How Banks and Financial Technology Are Reshaping Financial Markets Lulu.com
The traditional role of a bank was to transfer funds from savers to investors, engaging in maturity transformation, screening for borrower risk and monitoring for borrower effort in doing so. A typical loan contract was set up along six simple dimensions: the amount, the interest rate, the expected credit risk (determining both the probability of default for the loan and the expected loss given default), the required collateral, the currency, and the lending technology. However, the modern banking industry today has a broad scope, offering a range of sophisticated financial products, a wider geography -- including exposure to countries with various currencies, regulation and monetary policy regimes -- and an increased reliance on financial innovation and technology. These new bank business models have had repercussions on the loan contract. In particular, the main components and risks of a loan contract can now be hedged on the market, by means of interest rate swaps, foreign exchange transactions, credit default swaps and securitization. Securitized loans can often be pledged as collateral, thus facilitating new lending. And the lending technology is evolving from one-to-one meetings between a loan officer and a borrower, at a bank branch, towards potentially disruptive technologies such as peer-to-peer lending, crowd funding or digital wallet services. This book studies the interaction between traditional and modern banking and the economic benefits and costs of this new financial ecosystem, by relying on recent empirical research in banking and finance and exploring the effects of increased financial sophistication on a particular dimension of the loan contract.

Evidence on Interest Rate Risk Management and Derivatives Usage by Commercial Banks Irwin Professional Publishing
Interest rate volatility can wreak havoc with the balance sheets of institutional investors, traders, and corporations. In this important book, leading experts in the field discuss methods for measuring and hedging interest rate risk. The book covers basic techniques, as well as state-of-the-art applications. Specific topics include portfolio risk management, value-at-risk, yield curve risk, interest rate models, advanced risk measurements, interest rate swaps, and measuring and forecasting interest rate volatility.

Managing Interest Rate Risk Irwin Professional Publishing
Financial risk management is currently subject to much debate, especially the accounting for derivative products, and a number of commentators are objecting to the introduction of International Accounting Standard IAS 39 for Derivatives that will be in force by January 2005 for all EU companies. The topic of hedge accounting and the treatment of fair values may have a significant impact on many companies reported profits, and the volatility of earnings is likely to increase. Uniquely this monograph focuses on interest rate risk management. Most studies of corporate risk management have typically dwelt on the topic of management of exchange rate risk, with interest rate risk management being neglected. The book’s findings examine the views of UK corporate treasurers who are usually involved in the risk management strategies of their organisation and who have responsibility for implementing those strategies in practice. * The research is the first comprehensive UK study on this area * Relevant to the imminent arrival of IAS

39, the International Accounting Standard for Derivatives that will be in force by January 2005 for all EU companies. * The findings of the book have implications for government policy and regulators

Managing Interest Rate Risk John Wiley & Sons

Introduces practical approaches for optimizing management and hedging of Interest Rate Risk in the Banking Book (IRRBB) driven by fast evolving regulatory landscape and market expectations. Interest rate risk in the banking book (IRRBB) gained its importance through the regulatory requirements that have been growing and guiding the banking industry for the last couple of years. The importance of IRRBB is shifting for banks, away from 'just' a regulatory requirement to having an impact on the overall profitability of a financial institution. Interest Rate Risk in the Banking Book sheds light on the best practices for managing this importance risk category and provides detailed analysis of the hedging strategies, practical examples, and case studies based on the author's experience. This handbook is rich in practical insights on methodological approach and contents of ALCO report, IRRBB policy, ICAAP, Risk Appetite Statement (RAS) and model documentation. It is intended for the Treasury, Risk and Finance department and is helpful in improving and optimizing their IRRBB framework and strategy. By the end of this IRRBB journey, the reader will be equipped with all the necessary tools to build a proactive and compliant framework within a financial institution. Gain an updated understanding of the evolving regulatory landscape for IRRBB Learn to apply maturity gap analysis, sensitivity analysis, and the hedging strategy in banking contexts • Understand how customer behavior impacts interest rate risk and how to manage the consequences Examine case studies illustrating key IRRBB exposures and their implications Written by London market risk expert Beata Lubinska, Interest Rate Risk in the Banking Book is the authoritative resource on this evolving topic.

Interest Rate Modeling for Risk Management: Market Price of Interest Rate Risk Prentice Hall

Financial institutions, private and public companies and governments can lose vast amounts of money from even minor changes in interest rates. Because of this, complex financial instruments have been developed to mitigate these exposures. But what happens when organisations hedge themselves to ill-advised and ill-formulated financial management strategies? Based on a proven analytical method, Mastering Interest Rate Risk Strategy explains, step-by-step, how to set up and run a sound interest rate risk strategy. Influenced by the author's work with leading companies and tested with banks, the book will help readers bring risk under control, raise profits and ensure healthy cash flows. Mastering Interest Rate Risk Strategy: § Shows you how to mitigate interest rate risk using the most advanced risk management techniques § Provides you with an analytical method that is proven both academically and in practice § Uses examples and real life cases to support the transfer of knowledge and skills Interest rate changes will affect most firms because they will have interest bearing assets or liabilities. As a result, interest rate movements have an unfavourable impact and managing interest rate risk can be highly beneficial for the firm. But high-profile derivative blunders show that this is no easy task. In Mastering Interest Rate Risk Strategy, Victor Macrae shows you how to avoid the mis-selling of derivatives and derivatives blunders and how to set up an optimal interest rate risk strategy. Mastering Interest Rate Risk Strategy includes: ▪ Past derivatives blunders and how you can learn from them ▪ A proven analytical method for strategy formulation ▪ Hedging theory ▪ Bank financing for non-financial firms ▪ How movements in the financial markets may affect the firm ▪ Financial statement impact of interest rate risk ▪ The working and risks of using swaps, FRA's, caps, floors, collars and swaptions 'This is a wonderful and easy to read tour of interest rate risk and its management, and mismanagement. Anyone who wants to better understand why and how non-financial firms should be dealing with interest rate risk should read this book.' Gordon M. Bodnar, Professor on International Finance, Johns Hopkins University 'Macrae's guide is an excellent cookbook for financial managers. With many cases and examples, this book offers guidance in robust risk management techniques.' Abe de Jong, Professor of Corporate Finance and Corporate Governance at Rotterdam School of Management, Erasmus University

Interest Rate Risk Management McLean K A & C J

After risk management and interest risk management in particular was primarily relevant for banks in the past, it is a crucial competition factor for all enterprises today. With increasing volatile financial markets and global competition CFOs are focusing more and more on an efficient measurement and management of interest rate risk. In this context this book aims to point out the risks of an adverse change in interest rates for a corporate portfolio of interest-bearing positions and show possibilities to measure and manage these risks. First the scene for interest risk management in a corporate treasury of a service enterprise is set by providing essential knowledge about financial risk management and giving an insight into the characteristics of a service enterprise as well as the responsibilities of a corporate treasury and the factors that influence the treasury risk management approach. This is followed by a process-oriented instruction of how to quantify interest rate risk and how to manage it. Besides the risk measures duration and convexity, two different approaches to value at risk, the historical simulation and the variance-covariance-approach, will be examined. For the management of the interest rate risk an overview of possible hedging instruments to reduce interest risk exposure will be given and their different strategies examined. All approaches will be measured against their practical feasibility and for both, the quantification and the management of interest rate risk, implications for the implementation in a service enterprise will be provided.

A Guide to Managing Interest-rate Risk Praeger

Praise for Treasury Management The Practitioner's Guide "Steven Bragg has written a broad-based look at the treasurer's function that is as timely as it is complete. This book is an excellent choice for experienced treasury personnel, those new to the area, or the small business CFO needing to develop additional expertise." ?Matthew Boutte, Asset/Liability Manager, AVP, Sterling Bank "Cash is king! Steven Bragg's Treasury Management: The Practitioner's Guide peels back the onion on the most pressing topics facing today's treasurer?cash management, financing, risk management, and treasury systems." ?Geoffrey Garland, Controller, Staco Systems "This book gives an insight into the various intricacies, augmented with examples and flowcharts, involved in a treasury role. It gives a practical and detailed approach to cash management. A must-read for accounting heads of small businesses who have the additional responsibility of being a treasurer." ?Priya K Srinivasan, Owner, Priya K Srinivasan CPA Treasury Management: The Practitioner's Guide describes all aspects of the treasury function. This comprehensive book includes chapters covering the treasury department, cash transfer methods, cash forecasting, cash concentration, working capital management, debt management, equity management, investment management, foreign exchange risk management, interest risk management, clearing and settlement systems, and treasury systems. If you are a treasurer, CFO, cash manager, or controller, Treasury Management: The Practitioner's Guide allows you to quickly grasp the real world of treasury management and the many practical and strategic issues faced by treasurers and financial professionals today.

Managing Interest Rate Risk with Bond Futures Bentham Science Publishers

The definitive guide to fixed income valuation and risk analysis The Trilogy in Fixed Income Valuation and Risk Analysiscomprehensively covers the most definitive work on interest raterisk, term structure analysis, and credit risk. The first book oninterest rate risk modeling examines virtually every well-known IRRmodel used for pricing and risk analysis of various fixed incomesecurities and their derivatives. The companion CD-ROM containnumerous formulas and programming tools that allow readers tobetter model risk and value fixed income securities. Thiscomprehensive resource provides readers with the hands-oninformation and software needed to succeed in this financialarena.

Interest Rate Risk in the Banking Book University of Chicago Press

This book presents an integrated framework for risk measurement, capital management and value creation in banks. Moving from the measurement of the risks facing a bank, it defines criteria and rules to support a corporate policy aimed at maximizing shareholders' value. Parts I - IV discuss different risk types (including interest rate, market, credit and operational risk) and how to assess the amount of capital they absorb by means of up-to-date, robust risk-measurement models. Part V surveys regulatory capital requirements: a special emphasis is given to the Basel II accord, discussing its economic foundations and managerial implications. Part VI presents models and techniques to calibrate the amount of economic capital at risk needed by the bank, to fine-tune its composition, to allocate it to risk-taking units, to estimate the "fair" return expected by shareholders, to monitor the value creation process. Risk Management and Shareholders' Value in Banking includes: * Value at Risk, Monte Carlo models, Creditrisk+, Creditmetrics and much more * formulae for risk-adjusted loan pricing and risk-adjusted performance measurement * extensive, hands-on Excel examples are provided on the companion website www.wiley.com/go/rmsv * a complete, up-to-date introduction to Basel II * focus on capital allocation, Raroc, EVA, cost of capital and other value-creation metrics

The Fixed Income Valuation Course Springer Science & Business Media

The book is a systematic summary of modern term structure theories and how interest rate contingent claims are priced under such theories. This is the first book on such an attempt. The book reviews important term structure models and chooses one model to consistantly demonstrate contingent claim pricing. Well-known models are included and their relationships are thoroughly discussed. The book also provides a complete process of model implementation from parameter estimation to hedging. Examples are provided throughout.

A practical guide to managing corporate financial risk John Wiley & Sons

Risk management products and derivatives have grown ever more numerous and diverse since the late 1980s. Investors need to know which ones will best serve their needs in today's dynamic bond market. This book reveals how more than three dozen experts control and preserve the value of their own fixed income portfolios--from choosing the right risk management product to monitoring and evaluating the effectiveness of hedge management strategies. Shows investors how to make the best use of swaps, options, futures, and other risk management products in the market; identify and measure a portfolio's or corporation's risk exposure; and more.

From Risk Measurement Models to Capital Allocation Policies John Wiley & Sons

Interest Rate Modeling for Risk Management introduces a theoretical framework - the 'real-world' model - that allows us to estimate the market price of interest rate risk based on practical and real life situations. The model can be briefly summarized as a process of estimating the market prices of risk through discretization of forward rates with a 'space-state setup' whilst considering historical data trends. The book starts with a brief explanation of interest rate stochastic analysis fundamentals before delving into standard models such as Heath-Jarrow-Morton, Hull-White and LIBOR models. The real-world model is then explained in subsequent chapters while applying different frameworks. Additionally, the book also explains some properties of the real-world model, along with the negative price tendency of the market price for risk and a positive market price for risk (with an example of this actually occurring). Readers will also find a handy appendix with proofs to complement the numerical methods explained in the book. This book is intended as a primer for practitioners in financial institutions involved in interest rate risk management. It also presents a new perspective for researchers and graduates in econometrics and finance on the study of interest rate models.

Measuring and Managing Interest Rate Risk World Scientific

During the last several years, new techniques have emerged to improve treasury management, particularly in the area of interest rate risk. This timely book covers the principles of interest rate management and its accounting, tax, and administrative implications. Particularly valuable explanations are given of the more sophisticated techniques of interest rate swap guarantees, forward rate agreements, and interest rate swap options, with examples of each.

Introduction to Interest-rate Risk Andrew Kalotay Associates

A practical guide to the practices and procedures of effectivelymanaging banking risks Managing Risks in Commercial and Retail Banking takes anin-depth, logical look at dealing with all aspects of riskmanagement within the banking sector. It presents complex processesin a simplified way by providing real-life situations andexamples. The book examines all dimensions of the risks that banksface—both the financial risks—credit, market, andoperational—and the non-financial risks—moneylaundering, information technology, business strategy, legal, andreputational. Focusing on methods and models for identifying,measuring, monitoring, and controlling risks, it provides practicaladvice backed up by solid theories, without resorting to the use ofcomplicated mathematical and statistical formulas. Author Amalendu Ghosh exposes topics that are usually absent inbooks on managing banking risk—such as design of controlframework, risk management architecture, credit risk rating,risk-based loan pricing, portfolio analysis, business continuityplanning, and corporate governance. Author has extensive experience with a variety of major banksand institutions worldwide and brings a fresh perspective in thewake of the global finance crisis Presents a novel approach using models of the credit riskrating of different types of borrowers, the methodology forassigning weights for deriving the rating, and the scoringprocess Covers the essentials of corporate governance and options forcredit risk assessment in line with the recommendations made in theNew Basel Capital Accord Explains the methodology of risk-based internal audit,including techniques to enable bank branches to switch over fromthe old transaction-based audit methods With its logical sequence of the aspects of risk management, thebook's layout is ideal for presentations, making it a handy toolfor risk management training