

THE NEAR-MISS MANAGEMENT OF OPERATIONAL RISK

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ABSTRACT

This article discusses the management process of operational risk in financial institutions. The authors summarize the difficulties associated with the applicability of traditional risk management means to operational risk and introduce the Near-Miss management concept as a potential tool for the banking industry.

INTRODUCTION

Over the last decades, both the banking industry and regulatory bodies have devoted massive resources to the management of market and credit risk. Models have been developed to assess both risk types based on which regulators set out transparent rules on capital requirements, supervisory review process, and market discipline to prevent banking crises. Those principles form the three pillars of "The New Basel Capital Accord" which has been issued by the Basel Committee on Banking Supervision (BCBS) in January 2001.

It is not surprising that the regulation of the banking sector initiated a still ongoing debate about whether it should exist and if so, which risks should be covered under which pillar(s). Particularly the first pillar "minimum capital requirement" evoked a lot of discussion about its appropriate definition. We refer to Danielsson [2000] for a critical review on the properties of different risk measures, primarily of Value-at-Risk (VaR). Irrespective of this debate, the increasing sophistication in quantitative methodologies for market and credit risk measurement allowed banks to reduce their required capital allocation.

The Near Miss Management Of Operational Risk

**Anna S. Chernobai, Svetlozar T.
Rachev, Frank J. Fabozzi**



The Near Miss Management Of Operational Risk:

The Near-Miss Management of Operational Risk Alexander Muermann, 2003 Over recent decades banks and bank regulators have devoted substantial resources to managing market risk and credit risk More recently industry and regulatory focus has shifted to the mitigation of operational risk This article discusses the management process of operational risk in financial institutions and addresses the Advanced Measurement Approaches under which banks would be allowed to determine capital requirements based on their own internal assessment of operational risk according to standards set by the Basel Committee We summarize the difficulties associated with the applicability of traditional risk management means to operational risk and propose adopting the concept of "Near Miss" risk assessment employed in the chemical health and airline industries to internally evaluate operational risk

2008 Tutorials in Operations Research: State-of-the-Art Decision-Making Tools in the Information-Intensive Age, *Encyclopedia of Financial Models, Volume III* Frank J. Fabozzi, 2012-09-20 Volume 3 of the Encyclopedia of Financial Models The need for serious coverage of financial modeling has never been greater especially with the size diversity and efficiency of modern capital markets With this in mind the Encyclopedia of Financial Models has been created to help a broad spectrum of individuals ranging from finance professionals to academics and students understand financial modeling and make use of the various models currently available Incorporating timely research and in depth analysis Volume 3 of the Encyclopedia of Financial Models covers both established and cutting edge models and discusses their real world applications Edited by Frank Fabozzi this volume includes contributions from global financial experts as well as academics with extensive consulting experience in this field Organized alphabetically by category this reliable resource consists of forty four informative entries and provides readers with a balanced understanding of today's dynamic world of financial modeling Volume 3 covers Mortgage Backed Securities Analysis and Valuation Operational Risk Optimization Tools Probability Theory Risk Measures Software for Financial Modeling Stochastic Processes and Tools Term Structure Modeling Trading Cost Models and Volatility Emphasizes both technical and implementation issues providing researchers educators students and practitioners with the necessary background to deal with issues related to financial modeling The 3 Volume Set contains coverage of the fundamentals and advances in financial modeling and provides the mathematical and statistical techniques needed to develop and test financial models Financial models have become increasingly commonplace as well as complex They are essential in a wide range of financial endeavors and the Encyclopedia of Financial Models will help put them in perspective

Operational Risk Anna S. Chernobai, Svetlozar T. Rachev, Frank J. Fabozzi, 2007-06-15 Operational Risk While operational risk has long been regarded as a mere part of other risks outside the realm of credit and market risk it has quickly made its way to the forefront of finance In fact with implementation of the Basel II Capital Accord already underway many financial professionals as well as those preparing to enter this field must now become familiar with a variety of issues related to operational risk modeling and

management Written by the experienced team of Anna Chernobai Svetlozar Rachev and Frank Fabozzi *Operational Risk A Guide to Basel II Capital Requirements Models and Analysis* will introduce you to the key concepts associated with this discipline Filled with in depth insights expert advice and innovative research this comprehensive guide not only presents you with an abundant amount of information regarding operational risk but it also walks you through a wide array of examples that will solidify your understanding of the issues discussed Topics covered include The main challenges that exist in modeling operational risk The variety of approaches used to model operational losses Value at Risk and its role in quantifying and managing operational risk The three pillars of the Basel II Capital Accord And much more *Encyclopedia of Financial Models* Frank J. Fabozzi,2012-10-15 An essential reference dedicated to a wide array of financial models issues in financial modeling and mathematical and statistical tools for financial modeling The need for serious coverage of financial modeling has never been greater especially with the size diversity and efficiency of modern capital markets With this in mind the *Encyclopedia of Financial Models 3 Volume Set* has been created to help a broad spectrum of individuals ranging from finance professionals to academics and students understand financial modeling and make use of the various models currently available Incorporating timely research and in depth analysis the *Encyclopedia of Financial Models* is an informative 3 Volume Set that covers both established and cutting edge models and discusses their real world applications Edited by Frank Fabozzi this set includes contributions from global financial experts as well as academics with extensive consulting experience in this field Organized alphabetically by category this reliable resource consists of three separate volumes and 127 entries touching on everything from asset pricing and bond valuation models to trading cost models and volatility and provides readers with a balanced understanding of today s dynamic world of financial modeling Frank Fabozzi follows up his successful *Handbook of Finance* with another major reference work *The Encyclopedia of Financial Models* Covers the two major topical areas asset valuation for cash and derivative instruments and portfolio modeling Fabozzi explores the critical background tools from mathematics probability theory statistics and operations research needed to understand these complex models Organized alphabetically by category this book gives readers easy and quick access to specific topics sorted by an applicable category among them Asset Allocation Credit Risk Modeling Statistical Tools 3 Volumes onlinelibrary.wiley.com Financial models have become increasingly commonplace as well as complex They are essential in a wide range of financial endeavors and this 3 Volume Set will help put them in perspective [Nutritional Care of the Patient with Gastrointestinal Disease](#) Alan L Buchman,2015-08-06 This evidence based book serves as a clinical manual as well as a reference guide for the diagnosis and management of common nutritional issues in relation to gastrointestinal disease Chapters cover nutrition assessment macro and micronutrient absorption malabsorption food allergies prebiotics and dietary fiber probiotics and intestinal microflora nutrition and GI cancer nutritional management of reflux nutrition in IBS and IBD nutrition in acute and chronic pancreatitis enteral nutrition parenteral nutrition medical and endoscopic therapy of obesity

surgical therapy of obesity pharmacologic nutrition and nutritional counseling **Encyclopedia of Quantitative Risk Analysis and Assessment** ,2008-09-02 Leading the way in this field the Encyclopedia of Quantitative Risk Analysis and Assessment is the first publication to offer a modern comprehensive and in depth resource to the huge variety of disciplines involved A truly international work its coverage ranges across risk issues pertinent to life scientists engineers policy makers healthcare professionals the finance industry the military and practising statisticians Drawing on the expertise of world renowned authors and editors in this field this title provides up to date material on drug safety investment theory public policy applications transportation safety public perception of risk epidemiological risk national defence and security critical infrastructure and program management This major publication is easily accessible for all those involved in the field of risk assessment and analysis For ease of use it is available in print and online **Post-Crisis Risk Management** Tsuyoshi

Ōyama,2010 Although many regulator and industrial reports on the lessons learned from the recent market turmoil have appeared recently they still tend to be plagued by the silo approach discussing only specific issues independent of other important issues Besides they tend to be silent on the regulators function to be addressed after the turmoil This book covers all the issues which have been highlighted by the recent financial turmoil in a comprehensive and integrated way and also steps into the area of how supervisors as well as banks appropriately share the responsibilities of absorbing additional stresses under the financial shock **Operational Risk Assessment** Brendon Young,Rodney Coleman,2009-05-26

Operational risk assessment The Commercial Imperative of a More Forensic and Transparent Approach Brendon Young and Rodney Coleman Brendon Young and Rodney Coleman s book is extremely timely There has never been a greater need for the financial industry to reassess the way it looks at risk They are right to draw attention to the current widespread practices of risk management which have allowed risk to become underpriced across the entire industry Rt Hon John McFall MP Chairman House of Commons Treasury Committee Failure of the financial services sector to properly understand risk was clearly demonstrated by the recent credit crunch In its 2008 Global Stability Report the IMF sharply criticised banks and other financial institutions for the failure of risk management systems resulting in excessive risk taking Financial sector supervision and regulation was also criticised for lagging behind shifts in business models and rapid innovation This book provides investors with a sound understanding of the approaches used to assess the standing of firms and determine their true potential identifying probable losers and potential longer term winners It advocates a more forensic approach towards operational risk management and promotes transparency which is seen as a facilitator of competition and efficiency as well as being a barrier to fraud corruption and financial crime Risk assessment is an integral part of informed decision making influencing strategic positioning and direction It is fundamental to a company s performance and a key differentiator between competing management teams Increasing complexity is resulting in the need for more dynamic responsive approaches to the assessment and management of risk Not all risks can be quantified however it remains incumbent upon

management to determine the impact of possible risk events on financial statements and to indicate the level of variation in projected figures To begin the book looks at traditional methods of risk assessment and shows how these have developed into the approaches currently being used It then goes on to consider the more advanced forensic techniques being developed which will undoubtedly increase understanding The authors identify best practice and address issues such as the importance of corporate governance culture and ethics Insurance as a mitigant for operational risk is also considered Quantitative and qualitative risk assessment methodologies covered include Loss data analysis extreme value theory causal analysis including Bayesian Belief Networks control risk self assessment and key indicators scenario analysis and dynamic financial analysis Views of industry insiders from organisations such as Standard Poors Fitch Hermes USS UN PRI Deutsche Bank and Alchemy Partners are presented together with those from experts at the FSA the International Accounting Standards Board IASB and the Financial Reporting Council In addition to investors this book will be of interest to actuaries rating agencies regulators and legislators as well as to the directors and risk managers of financial institutions in both the private and public sectors Students requiring a comprehensive knowledge of operational risk management will also find the book of considerable value

Tutorials in Operations Research Institute for Operations Research and the Management Sciences. National Meeting,2008 **Advances in Operational Risk** ,2003 Building upon the seminal work established in the first best selling edition this fully revised multi contributor title brings you right up to date on all the latest issues and developments in the area of operational risk management and the regulatory environment **Safety-Critical Systems: The Convergence of High Tech and Human Factors** Felix Redmill,Tom Anderson,1996-01-31 Leeds 6 8 February 1996 **Futures & Otc World** ,2003-07 **Encyclopedia of Quantitative Risk Analysis and Assessment: R-Z** Edward L. Melnick,Brian Everitt,2008 **The Ugandan Banker** ,2006 Handling Consumer Credit Cases John R. Fonseca,1986 The Essentials of Risk Management, Third Edition Michel Crouhy,Dan Galai,Robert Mark,2023-08-01 The bible of risk management fully updated for an investing landscape dramatically altered by social and technological upheavals When it was first published in 2005 The Essentials of Risk Management became an instant classic in risk management Now the authors provide a comprehensively updated and revised edition to help you succeed in a world rocked by unprecedented changes Combining academic research with real world applications this bestselling guide provides the expert insights that has made it so popular for so many years covering the most effective ways to measure and transfer credit risk increase risk management transparency and implement an organization wide enterprise risk management approach In addition it covers a wide range of new issues including Fallout from the COVID pandemic New emerging risks associated with digital finance The effect of climate change on risk management Game changing new technologies like machine learning artificial intelligence and distributed ledger technology The definitive resource for quantifying risk versus return The Essentials of Risk Management delivers everything you need to safeguard your investments in today s economy **Investment Risk Management** Yen Yee

Chong,2004-01-30 Risk has two sides underestimating it harms the investor while overestimating it prevents the implementation of bold business projects This book explains from the point of view of the practitioner the analysis of investment risk a proper account of adequate risk management strategies and offers an objective and readable account of the most common investment risk management procedures It will not be highly mathematical although mathematical formulae and technical graphs will be used where necessary and will not rely on excessive technical jargon The author also covers guidelines of regulatory institutions that protect the market and the investor Bank of International Settlements US SEC and UK FSA

Yellowstone and the Snowmobile Michael J. Yochim,2009 The first scholarly study of winter use in any national park examines the history of the conflict between the National Park Service and various interest groups over snowmobile use in Yellowstone a highly politicized value driven battle that has taken a serious toll on the NPS s ability to protect the park

Near Miss Reporting as a Safety Tool Tjerk W. van der Schaaf,Deborah A. Lucas,Andrew Richard Hale,1991 Near Miss Reporting as a Safety Tool arises from a meeting of safety professionals academicians and consultants from Western Europe and Canada held in Eindhoven the Netherlands in September 1989 The book deals with near miss reporting in various systems mostly in the context of errors and accidents The book begins by discussing the effects of bad management decisions in the design phase and a framework that will describe or manage these near misses through reporting description analysis interpretation and suggestions Seven modules that compose this framework called the Near Miss

The Near Miss Management Of Operational Risk: Bestsellers in 2023 The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the captivating narratives that have captivated audiences this year. The Near Miss Management Of Operational Risk : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. The Near Miss Management Of Operational Risk : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. The Near Miss Management Of Operational Risk : Delia Owens' "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and gripping novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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