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Dynamic Hedging Taleb Pdf

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JAXON PERKINS

Unthought John Wiley & Sons

Financial Engineers

Financial Risk Management McGraw-Hill Education

In 1908, Vinzenz Bronzin, a professor of mathematics at the Accademia di Commercio e Nautica in Trieste, published a booklet in German entitled Theorie der Prämiengeschäfte (Theory of Premium Contracts) which is an old type of option contract.

Almost like Bachelier's now famous dissertation (1900), the work seems to have been forgotten shortly after it was published.

However, almost every element of modern option pricing can be found in Bronzin's book. He derives option prices for an

illustrative set of distributions, including the Normal. - This

volume includes a reprint of the original German text, a translation, as well as an appreciation of Bronzin's work from various perspectives (economics, history of finance, sociology, economic history) including some details about the professional life and circumstances of the author. The book brings Bronzin's early work to light again and adds an almost forgotten piece of research to the theory of option pricing.

Advanced Equity Derivatives John Wiley & Sons

Written by an experienced trader and consultant, Frans de Weert's Exotic Options Trading offers a risk-focused approach to the pricing of exotic options. By giving readers the necessary tools to understand exotic options, this book serves as a manual to equip the reader with the skills to price and risk manage the most common and the most complex exotic options. De Weert begins by explaining the risks associated with trading an exotic option before dissecting these risks through a detailed analysis of

the actual economics and Greeks rather than solely stating the mathematical formulae. The book limits the use of mathematics to explain exotic options from an economic and risk perspective by means of real life examples leading to a practical interpretation of the mathematical pricing formulae. The book covers conventional options, digital options, barrier options, cliquets, quanto options, outperformance options and variance swaps, and explains difficult concepts in simple terms, with a practical approach that gives the reader a full understanding of every aspect of each exotic option. The book also discusses structured notes with exotic options embedded in them, such as reverse convertibles, callable and puttable reverse convertibles and autocallables and shows the rationale behind these structures and their associated risks. For each exotic option, the author makes clear why there is an investor demand; explains where the risks lie and how this affects the actual pricing; shows how best to hedge any vega or gamma exposure embedded in the exotic option and discusses the skew exposure. By explaining the practical implications for every exotic option and how it affects the price, in addition to the necessary mathematical derivations and tools for pricing exotic options, Exotic Options Trading removes the mystique surrounding exotic options in order to give the reader a full understanding of every aspect of each exotic option, creating a useable tool for dealing with exotic options in practice. "Although exotic options are not a new subject in finance, the coverage traditionally afforded by many texts is either too high level or overly mathematical. De Weert's exceptional text fills this gap superbly. It is a rigorous treatment of a number of exotic structures and includes numerous examples to clearly illustrate the principles. What makes this book unique is that it manages to strike a fantastic balance between the theory and actual trading practice. Although it may be something of an

overused phrase to describe this book as compulsory reading, I can assure any reader they will not be disappointed." —Neil Schofield, Training Consultant and author of Commodity Derivatives: Markets and Applications "Exotic Options Trading does an excellent job in providing a succinct and exhaustive overview of exotic options. The real edge of this book is that it explains exotic options from a risk and economical perspective and provides a clear link to the actual profit and pricing formulae. In short, a must read for anyone who wants to get deep insights into exotic options and start trading them profitably." —Arturo Bignardi

Quantitative Finance For Dummies John Wiley & Sons

In *Advanced Equity Derivatives: Volatility and Correlation*, Sébastien Bossu reviews and explains the advanced concepts used for pricing and hedging equity exotic derivatives. Designed for financial modelers, option traders and sophisticated investors, the content covers the most important theoretical and practical extensions of the Black-Scholes model. Each chapter includes numerous illustrations and a short selection of problems, covering key topics such as implied volatility surface models, pricing with implied distributions, local volatility models, volatility derivatives, correlation measures, correlation trading, local correlation models and stochastic correlation. The author has a dual professional and academic background, making *Advanced Equity Derivatives: Volatility and Correlation* the perfect reference for quantitative researchers and mathematically savvy finance professionals looking to acquire an in-depth understanding of equity exotic derivatives pricing and hedging.

Energy and Power Risk Management Random House

A thorough guide to correlation risk and its growing importance in global financial markets Ideal for anyone studying for CFA, PRMIA, CAIA, or other certifications, *Correlation Risk Modeling and*

Management is the first rigorous guide to the topic of correlation risk. A relatively overlooked type of risk until it caused major unexpected losses during the financial crisis of 2007 through 2009, correlation risk has become a major focus of the risk management departments in major financial institutions, particularly since Basel III specifically addressed correlation risk with new regulations. This offers a rigorous explanation of the topic, revealing new and updated approaches to modelling and risk managing correlation risk. Offers comprehensive coverage of a topic of increasing importance in the financial world Includes the Basel III correlation framework Features interactive models in Excel/VBA, an accompanying website with further materials, and problems and questions at the end of each chapter

The Rookie's Guide to Options John Wiley & Sons

This paper presents a simple heuristic measure of tail risk, which is applied to individual bank stress tests and to public debt. Stress testing can be seen as a first order test of the level of potential negative outcomes in response to tail shocks. However, the results of stress testing can be misleading in the presence of model error and the uncertainty attending parameters and their estimation. The heuristic can be seen as a second order stress test to detect nonlinearities in the tails that can lead to fragility, i.e., provide additional information on the robustness of stress tests. It also shows how the measure can be used to assess the robustness of public debt forecasts, an important issue in many countries. The heuristic measure outlined here can be used in a variety of situations to ascertain an ordinal ranking of fragility to tail risks.

Option Pricing Models and Volatility Using Excel-VBA John Wiley & Sons

#1 NEW YORK TIMES BESTSELLER • A bold work from the author of *The Black Swan* that challenges many of our long-held beliefs about risk and reward, politics and religion, finance and personal responsibility In his most provocative and practical book yet, one of the foremost thinkers of our time redefines what it means to understand the world, succeed in a profession, contribute to a fair and just society, detect nonsense, and influence others. Citing examples ranging from Hammurabi to Seneca, Antaeus the Giant to Donald Trump, Nassim Nicholas Taleb shows how the willingness to accept one's own risks is an essential attribute of heroes, saints, and flourishing people in all walks of life. As always

both accessible and iconoclastic, Taleb challenges long-held beliefs about the values of those who spearhead military interventions, make financial investments, and propagate religious faiths. Among his insights: • For social justice, focus on symmetry and risk sharing. You cannot make profits and transfer the risks to others, as bankers and large corporations do. You cannot get rich without owning your own risk and paying for your own losses. Forcing skin in the game corrects this asymmetry better than thousands of laws and regulations. • Ethical rules aren't universal. You're part of a group larger than you, but it's still smaller than humanity in general. • Minorities, not majorities, run the world. The world is not run by consensus but by stubborn minorities imposing their tastes and ethics on others. • You can be an intellectual yet still be an idiot. "Educated philistines" have been wrong on everything from Stalinism to Iraq to low-carb diets. • Beware of complicated solutions (that someone was paid to find). A simple barbell can build muscle better than expensive new machines. • True religion is commitment, not just faith. How much you believe in something is manifested only by what you're willing to risk for it. The phrase "skin in the game" is one we have often heard but rarely stopped to truly dissect. It is the backbone of risk management, but it's also an astonishingly rich worldview that, as Taleb shows in this book, applies to all aspects of our lives. As Taleb says, "The symmetry of skin in the game is a simple rule that's necessary for fairness and justice, and the ultimate BS-buster," and "Never trust anyone who doesn't have skin in the game. Without it, fools and crooks will benefit, and their mistakes will never come back to haunt them."

Safe Haven University of Chicago Press

What is a safe haven? What role should they play in an investment portfolio? Do we use them only to seek shelter until the passing of financial storms? Or are they something more? Contrary to everything we know from modern financial theory, can higher returns actually come as a result of lowering risk? In *Safe Haven*, hedge fund manager Mark Spitznagel—one of the top practitioners of safe haven investing and portfolio risk mitigation in the world—answers these questions and more. Investors who heed the message in this book will never look at risk mitigation the same way again.

Law of Success: The 21st-Century Edition Springer Nature
LECTURING BIRDS ON FLYING For the past few decades, the

financial world has often displayed an unreasonable willingness to believe that "the model is right, the market is wrong," in spite of the fact that these theoretical machinations were largely responsible for the stock market crash of 1987, the LTCM crisis of 1998, the credit crisis of 2008, and many other blow-ups, large and small. Why have both financial insiders (traders, risk managers, executives) and outsiders (academics, journalists, regulators, the public) consistently demonstrated a willingness to treat quantifications as gospel? Nassim Taleb first addressed the conflicts between theoretical and real finance in his technical treatise on options, *Dynamic Hedging*. Now, in *Lecturing Birds on Flying*, Pablo Triana offers a powerful indictment on the trustworthiness of financial theory, explaining—in jargon-free plain English—how malfunctions in these quantitative machines have wreaked havoc in our real world. Triana first analyzes the fundamental question of whether financial markets can in principle really be solved mathematically. He shows that the markets indeed cannot be tamed with equations, presenting a long and powerful list of obstacles to prove his point: maverick unlawful human actions rule the markets, unexpected and unimaginable events shape the markets, and historical data is not necessarily a trustworthy guide to the future of the markets. The author then examines the sources of origin of many prevalent theories and mathematical dictums. He details how the field of financial economics evolved from a descriptive discipline to an abstract one dedicated to technically concocting professors' own versions of how such a world should work. He goes on to explain how Wall Street and other financial centers became eager employers of scientists, and how scientists became eager employees of financial firms. Triana concludes with an in-depth discussion of the most significant historical episodes of theory-caused real-life market malaise, with a strong emphasis on the current credit crisis. In the end, *Lecturing Birds on Flying* calls for the radical substitution of good old-fashioned common sense in place of mathematical decision-making and the restoration to financial power of those who are completely unchained to the iron ball of classroom-obtained qualifications.

Derivatives Springer

A global banking risk management guide geared toward the practitioner *Financial Risk Management* presents an in-depth look at banking risk on a global scale, including comprehensive

examination of the U.S. Comprehensive Capital Analysis and Review, and the European Banking Authority stress tests. Written by the leaders of global banking risk products and management at SAS, this book provides the most up-to-date information and expert insight into real risk management. The discussion begins with an overview of methods for computing and managing a variety of risk, then moves into a review of the economic foundation of modern risk management and the growing importance of model risk management. Market risk, portfolio credit risk, counterparty credit risk, liquidity risk, profitability analysis, stress testing, and others are dissected and examined, arming you with the strategies you need to construct a robust risk management system. The book takes readers through a journey from basic market risk analysis to major recent advances in all financial risk disciplines seen in the banking industry. The quantitative methodologies are developed with ample business case discussions and examples illustrating how they are used in practice. Chapters devoted to firmwide risk and stress testing cross reference the different methodologies developed for the specific risk areas and explain how they work together at firmwide level. Since risk regulations have driven a lot of the recent practices, the book also relates to the current global regulations in the financial risk areas. Risk management is one of the fastest growing segments of the banking industry, fueled by banks' fundamental intermediary role in the global economy and the industry's profit-driven increase in risk-seeking behavior. This book is the product of the authors' experience in developing and implementing risk analytics in banks around the globe, giving you a comprehensive, quantitative-oriented risk management guide specifically for the practitioner. Compute and manage market, credit, asset, and liability risk Perform macroeconomic stress testing and act on the results Get up to date on regulatory practices and model risk management Examine the structure and construction of financial risk systems Delve into funds transfer pricing, profitability analysis, and more Quantitative capability is increasing with lightning speed, both methodologically and technologically. Risk professionals must keep pace with the changes, and exploit every tool at their disposal. Financial Risk Management is the practitioner's guide to anticipating, mitigating, and preventing risk in the modern banking industry.

Statistics of Financial Markets John Wiley & Sons

Destined to become a market classic, *Dynamic Hedging* is the only practical reference in exotic options hedging and arbitrage for professional traders and money managers. Watch the professionals. From central banks to brokerages to multinationals, institutional investors are flocking to a new generation of exotic and complex options contracts and derivatives. But the promise of ever larger profits also creates the potential for catastrophic trading losses. Now more than ever, the key to trading derivatives lies in implementing preventive risk management techniques that plan for and avoid these appalling downturns. Unlike other books that offer risk management for corporate treasurers, *Dynamic Hedging* targets the real-world needs of professional traders and money managers. Written by a leading options trader and derivatives risk advisor to global banks and exchanges, this book provides a practical, real-world methodology for monitoring and managing all the risks associated with portfolio management. Nassim Nicholas Taleb is the founder of Empirica Capital LLC, a hedge fund operator, and a fellow at the Courant Institute of Mathematical Sciences of New York University. He has held a variety of senior derivative trading positions in New York and London and worked as an independent floor trader in Chicago. Dr. Taleb was inducted in February 2001 in the Derivatives Strategy Hall of Fame. He received an MBA from the Wharton School and a Ph.D. from University Paris-Dauphine.

Vinzenz Bronzin's Option Pricing Models Random House

This book provides a hands-on, practical guide to understanding derivatives pricing. Aimed at the less quantitative practitioner, it provides a balanced account of options, Greeks and hedging techniques avoiding the complicated mathematics inherent to many texts, and with a focus on modelling, market practice and intuition.

Exotic Options and Hybrids Springer Science & Business Media
The landmark five-book series--all together in one boxed set *The Incerto* is an investigation of opacity, luck, uncertainty, probability, human error, risk, and decision making when we don't understand the world, expressed in the form of a personal essay with autobiographical sections, stories, parables, and philosophical, historical, and scientific discussions, in non-overlapping volumes that can be accessed in any order. The main thread is that while there is inordinate uncertainty about what is going on, there is great certainty as to what one should do about

it. This boxed set includes: *FOOLED BY RANDOMNESS THE BLACK SWAN THE BED OF PROCRUSTES ANTIFRAGILE SKIN IN THE GAME Derivatives in Financial Markets with Stochastic Volatility* John Wiley & Sons

Good Strategy/Bad Strategy clarifies the muddled thinking underlying too many strategies and provides a clear way to create and implement a powerful action-oriented strategy for the real world. Developing and implementing a strategy is the central task of a leader. A good strategy is a specific and coherent response to—and approach for—overcoming the obstacles to progress. A good strategy works by harnessing and applying power where it will have the greatest effect. Yet, Rumelt shows that there has been a growing and unfortunate tendency to equate Mom-and-apple-pie values, fluffy packages of buzzwords, motivational slogans, and financial goals with “strategy.” In *Good Strategy/Bad Strategy*, he debunks these elements of “bad strategy” and awakens an understanding of the power of a “good strategy.” He introduces nine sources of power—ranging from using leverage to effectively focusing on growth—that are eye-opening yet pragmatic tools that can easily be put to work on Monday morning, and uses fascinating examples from business, nonprofit, and military affairs to bring its original and pragmatic ideas to life. The detailed examples range from Apple to General Motors, from the two Iraq wars to Afghanistan, from a small local market to Wal-Mart, from Nvidia to Silicon Graphics, from the Getty Trust to the Los Angeles Unified School District, from Cisco Systems to Paccar, and from Global Crossing to the 2007-08 financial crisis. Reflecting an astonishing grasp and integration of economics, finance, technology, history, and the brilliance and foibles of the human character, *Good Strategy/Bad Strategy* stems from Rumelt's decades of digging beyond the superficial to address hard questions with honesty and integrity.

Uncerto International Monetary Fund

An accessible, thorough introduction to quantitative finance Does the complex world of quantitative finance make you quiver? You're not alone! It's a tough subject for even high-level financial gurus to grasp, but *Quantitative Finance For Dummies* offers plain-English guidance on making sense of applying mathematics to investing decisions. With this complete guide, you'll gain a solid understanding of futures, options and risk, and get up-to-speed on the most popular equations, methods, formulas and models (such

as the Black-Scholes model) that are applied in quantitative finance. Also known as mathematical finance, quantitative finance is the field of mathematics applied to financial markets. It's a highly technical discipline—but almost all investment companies and hedge funds use quantitative methods. This fun and friendly guide breaks the subject of quantitative finance down to easily digestible parts, making it approachable for personal investors and finance students alike. With the help of *Quantitative Finance For Dummies*, you'll learn the mathematical skills necessary for success with quantitative finance, the most up-to-date portfolio and risk management applications and everything you need to know about basic derivatives pricing. Covers the core models, formulas and methods used in quantitative finance. Includes examples and brief exercises to help augment your understanding of QF. Provides an easy-to-follow introduction to the complex world of quantitative finance. Explains how QF methods are used to define the current market value of a derivative security. Whether you're an aspiring quant or a top-tier personal investor, *Quantitative Finance For Dummies* is your go-to guide for coming to grips with QF/risk management.

Financial Risk Management John Wiley & Sons

Nassim Nicholas Taleb's landmark *Incerto* series is an investigation of luck, uncertainty, probability, opacity, human error, risk, disorder, and decision-making in a world we don't understand, in nonoverlapping and standalone books. All four volumes—*Antifragile*, *The Black Swan*, *Foiled by Randomness*, and the expanded edition of *The Bed of Procrustes*, updated with more than 50 percent new material—are now together in one ebook bundle. *ANTIFRAGILE* "Startling . . . richly crammed with insights, stories, fine phrases and intriguing asides."—*The Wall Street Journal* Just as human bones get stronger when subjected to stress and tension, many things in life benefit from disorder, volatility, and turmoil. What Taleb has identified and calls "antifragile" is that category of things that not only gain from chaos but need it in order to survive and flourish. The resilient resists shocks and stays the same; the antifragile gets better and better. What is crucial is that the antifragile loves errors, as it incurs small harm and large benefits from them. Spanning politics, urban planning, war, personal finance, economic systems, and medicine in an interdisciplinary and erudite style, *Antifragile* is a blueprint for living in a Black Swan world. THE

BLACK SWAN "[A book] that altered modern thinking."—*The Times* (London) A black swan is a highly improbable event with three principal characteristics: It is unpredictable; it carries a massive impact; and, after the fact, we concoct an explanation that makes it appear less random and more predictable. The astonishing success of Google was a black swan; so was 9/11. In this groundbreaking and prophetic book, Taleb shows that black swan events underlie almost everything about our world, from the rise of religions to events in our own personal lives, and yet we—especially the experts—are blind to them. *FOOLED BY RANDOMNESS* "[Fooled by Randomness] is to conventional Wall Street wisdom approximately what Martin Luther's ninety-five theses were to the Catholic Church."—Malcolm Gladwell, *The New Yorker* Are we capable of distinguishing the fortunate charlatan from the genuine visionary? Must we always try to uncover nonexistent messages in random events? *Foiled by Randomness* is about luck: more precisely, about how we perceive luck in our personal and professional experiences. Set against the backdrop of the most conspicuous forum in which luck is mistaken for skill—the markets—*Foiled by Randomness* is an irreverent, eye-opening, and endlessly entertaining exploration of one of the least understood forces in our lives. *THE BED OF PROCRUSTES* "Taleb's crystalline nuggets of thought stand alone like esoteric poems."—*Financial Times* This collection of aphorisms and meditations expresses Taleb's major ideas in ways you least expect. *The Bed of Procrustes* takes its title from Greek mythology: the story of a man who made his visitors fit his bed to perfection by either stretching them or cutting their limbs. With a rare combination of pointed wit and potent wisdom, Taleb plows through human illusions, contrasting the classical views of courage, elegance, and erudition against the modern diseases of nerdiness, philistinism, and phoniness.

100 Great Business Ideas McGraw Hill Professional

Provides a thorough discussion of volatility, the most important aspect of options trading. Shows how to identify mispriced options and to construct volatility and "delta neutral" spreads.

The Best of Wilmott 2 John Wiley & Sons

HOW TO USE YOUR HUMAN ADVANTAGE TO OUTPERFORM ALGORITHMS IN THE OPTIONS MARKET If you're a value investor who wants to get your money into the lucrative options market, forget about day trading, chart patterns, and market timing. This

systematic book lays out a path to long-term wealth by taking positions on companies with real intrinsic value—the kind Ben Graham and Warren Buffett would invest in. Leave the complex algorithms and "Greeks" for the floor traders. Erik Kobayashi-Solomon, former investment banker, hedge fund risk manager, and valuation consultant to the World Bank, gives you the knowledge and sophistication to understand what options pricing reveals about the market's estimation of future stock prices. He then demonstrates how to find tremendous opportunity for low-risk, high-profit investments in the difference between the market's mechanized price ranges and ones made by you, a thoughtful human being armed with the insight this book offers. Everything you need to make options a powerful contributor to your portfolio is inside, including: A thorough explanation of what options are and what their prices can tell you about the market's expectations for the future price of a stock A proven way to envision the risk/reward trade-off for stocks and options and a straightforward method to use the flexibility and directionality of options to tilt the risk/return balance in your favor A robust and intuitive framework for assessing the value of a company Strategies to avoid the most common behavioral pitfalls Tips for using the information on an option-pricing screen Thorough coverage of important option investment strategies, including "covered calls," "protective puts," and "collars" Regardless of your experience level with options, this versatile guide makes you a better investor. Beginners get a turnkey solution to growing wealth in options, experienced investors gain savvy guidance for fine-tuning their practices, and professional investors learn how to effectively incorporate options into a portfolio. Understanding valuation in this perceptive light lets you earn the consistent profits of *The Intelligent Option Investor*. *The Intelligent Option Investor* is the hands-on guide to using a cutting-edge valuation framework in the fast-paced options market to boost growth, protect gains, and generate income. It explains how to use your insightful human mind to recognize when mechanized options pricing undervalues a stock. Once you see an opportunity, you'll have all the tools you need to execute a fact-based decision about how and when to invest in the company. Have your money make the most for you with the potent blend of time-honored value investing strategies and hot options vehicles in *The Intelligent Option Investor*. PRAISE FOR THE INTELLIGENT OPTION

INVESTOR: "The Intelligent Option Investor reflects Erik's keen understanding of how companies create value for their owners, which is essential to successful option investing. In addition to showcasing Erik's expertise in developing option investment strategies based on fundamental security analysis and a long-term time horizon, this book delivers the information in a way that's accessible to individual investors, offering them the resources to use options to help them meet their financial goals." -- JOE MANSUETO, founder, chairman, and CEO, Morningstar, Inc.

"Erik knows--and lays out here--that to use options successfully, you need to understand the underlying stock and its valuation first. This is one of few books on options that teaches this fruitful, combined approach. And that's why it works." -- JEFF FISCHER, advisor, Motley Fool Options

A New Heuristic Measure of Fragility and Tail Risks CFA Institute Research Foundation

The Business of Options shows how to conduct a professional options business. While it addresses the principles and practices of option trading and hedging in great detail, the book is the first to do so from a management perspective. O'Connell's extensive

experience in option trading, training, and consulting enables the book to offer a unique combination of sophistication, clarity and insight. Most option books that are written for professionals focus on advanced math or on specific trades. This book goes farther, incorporating broad strategic considerations and exploring the implications of likely human behavior. It often challenges conventional wisdom of "what works" in the options business. Its intuitive approach to complex issues involving options enables readers to stretch their mathematical capabilities. Its down-to-earth explanations about the business of options reflect both the optimism and skepticism of a seasoned practitioner in the option market who has, for over 20 years, advised and trained professional dealers and users of options around the world.

Lecturing Birds on Flying Cambridge University Press

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