

Get Free Nerds On Wall Street  
Math Machines And Wired  
Markets

Nerds On Wall  
Street Math  
Machines And Wired  
Markets

*Our mission: to make*

*Page 1/260*

## Get Free Nerds On Wall Street Math Machines And Wired Markets

*math a fun part of kids' everyday lives. We all know it's wonderful to read bedtime stories to kids, but what about doing math? Many generations of Americans*

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*are uncomfortable with math and numbers, and too often we hear the phrase, "I'm just not good at math!" For decades, this attitude has trickled down from*

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*parents to their kids,  
and we now have a  
culture that finds math  
dry, intimidating, and  
just not cool. Bedtime  
Math wants to change all  
that. Inside this book,*

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*families will find fun,  
mischief-making math  
problems to tackle—math  
that isn't just kid-  
friendly, but actually  
kid-appealing. With over  
100 math riddles on*

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*topics from jalapeños  
and submarines to roller  
coasters and flamingos,  
this book bursts with  
math that looks nothing  
like school. And with  
three different levels*

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*of challenge (wee ones,  
little kids, and big  
kids), there's something  
for everyone. We can  
make numbers fun, and  
change the world, one  
Bedtime Math puzzle at a*

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*time.*

*Longlisted for the  
National Book Award New  
York Times Bestseller A  
former Wall Street quant  
sounds an alarm on the  
mathematical models that*



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*pervade modern life --  
and threaten to rip  
apart our social fabric  
We live in the age of  
the algorithm.  
Increasingly, the  
decisions that affect*

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*our lives--where we go to school, whether we get a car loan, how much we pay for health insurance--are being made not by humans, but by mathematical models.*

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*In theory, this should lead to greater fairness: Everyone is judged according to the same rules, and bias is eliminated. But as Cathy O'Neil reveals in this*

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*urgent and necessary book, the opposite is true. The models being used today are opaque, unregulated, and uncontestable, even when they're wrong. Most*

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*troubling, they  
reinforce  
discrimination: If a  
poor student can't get a  
loan because a lending  
model deems him too  
risky (by virtue of his*

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*zip code), he's then cut off from the kind of education that could pull him out of poverty, and a vicious spiral ensues. Models are propping up the lucky*

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*and punishing the  
downtrodden, creating a  
"toxic cocktail for  
democracy." Welcome to  
the dark side of Big  
Data. Tracing the arc of  
a person's life, O'Neil*

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*exposes the black box models that shape our future, both as individuals and as a society. These "weapons of math destruction" score teachers and*



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*students, sort r sum s,  
grant (or deny) loans,  
evaluate workers, target  
voters, set parole, and  
monitor our health.*

*O'Neil calls on modelers  
to take more*

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*responsibility for their algorithms and on policy makers to regulate their use. But in the end, it's up to us to become more savvy about the models that govern our*

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*lives. This important  
book empowers us to ask  
the tough questions,  
uncover the truth, and  
demand change. - -*

*Longlist for National  
Book Award (Non-Fiction)*

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-- *Goodreads, semi-finalist for the 2016 Goodreads Choice Awards (Science and Technology)*  
-- *Kirkus, Best Books of 2016* -- *New York Times, 100 Notable Books of*

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*2016 (Non-Fiction) --  
The Guardian, Best Books  
of 2016 -- WBUR's "On  
Point," Best Books of  
2016: Staff Picks --  
Boston Globe, Best Books  
of 2016, Non-Fiction*

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*A comprehensive look at the tools and techniques used in quantitative equity management Some books attempt to extend portfolio theory, but the real issue today*

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*relates to the practical implementation of the theory introduced by Harry Markowitz and others who followed. The purpose of this book is to close the*

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*implementation gap by  
presenting state-of-the  
art quantitative  
techniques and  
strategies for managing  
equity portfolios.*

*Throughout these pages,*



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*Frank Fabozzi, Sergio Focardi, and Petter Kolm address the essential elements of this discipline, including financial model building, financial*

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*engineering, static and dynamic factor models, asset allocation, portfolio models, transaction costs, trading strategies, and much more. They also*

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*provide ample  
illustrations and  
thorough discussions of  
implementation issues  
facing those in the  
investment management  
business and include the*

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*necessary background material in probability, statistics, and econometrics to make the book self-contained. Written by a solid author team who has*

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*extensive financial  
experience in this area  
Presents state-of-the  
art quantitative  
strategies for managing  
equity portfolios  
Focuses on the*

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*implementation of  
quantitative equity  
asset management  
Outlines effective  
analysis, optimization  
methods, and risk models  
In today's financial*

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*environment, you have to  
have the skills to  
analyze, optimize and  
manage the risk of your  
quantitative equity  
investments. This guide  
offers you the best*

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*information available to  
achieve this goal.*

*This book constitutes  
the proceedings of the  
7th International  
Workshop on Enterprise  
Applications and*



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*Services in the Finance Industry, FinanceCom 2014, held in Sydney, Australia, on December 12, 2014. The workshop spans multiple disciplines, including*

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*technical, service,  
economic, sociological,  
and behavioral sciences.  
It reflects on  
technologically enabled  
opportunities,  
implications, and*

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*changes due to the  
introduction of new  
business models or  
regulations related to  
the financial services  
industry and the  
financial markets. The*

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*nine papers presented  
were carefully reviewed  
and selected from  
numerous submissions.  
Jacques Ellul and the  
Technological Society in  
the 21st Century*

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*Objects and Materials  
Thinking Our Way Out of  
Extinction  
How financiers rule  
Africa  
Insights from 25 of Wall  
Street's Elite*

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*Advances in Financial  
Machine Learning*

*Who They are and why We  
Need More of Them*

*The financial crash of 2008 led people  
all over the world to ask how far  
financiers are in control of our lives.*

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*To what extent does what they do with our money affect our everyday lives? This book asks whether the crisis, and subsequent use of public subsidies to help the international economy recover, was a unique event, or a symptom of a wider malaise where*

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*financiers have effectively usurped the power of governments and are running the political economy themselves. The Financialisation of Power in Africa argues that growth is not always a good thing. The development of more derivatives and*



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*faster financial exchanges are draining businesses of investment capital rather than serving to supply it; applying financial logic does not save nature or protect biodiversity and other species. This book outlines the concept of financialisation and how it*

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*has been used in various ways to explain the post-2008 crisis and global political economy. There is a particular focus on these issues in reference to Africa, which has a particular dependence on international money. It takes the*

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*perspective of the modern state, exploring how the political economy of development actually works in relation to African governance. This book is of interest to students of international development and political economy and is a key source*

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*for policy makers interested in African studies and economic development.*

*This volume rethinks the work of Jacques Ellul (1912-1994) on the centenary of his birth, by presenting an overview of the current debates based on Ellul's insights. As one of*

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*the most significant twentieth-century thinkers about technology, Ellul was among the first thinkers to realize the importance of topics such as globalization, terrorism, communication technologies and ecology, and study them from a*

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*technological perspective. The book is divided into three sections. The first discusses Ellul's diagnosis of modern society, and addresses the reception of his work on the technological society, the notion of efficiency, the process of symbolization/de-symbolization, and*

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*ecology. The second analyzes communicational and cultural problems, as well as threats and trends in early twenty-first century societies. Many of the issues Ellul saw as crucial – such as energy, propaganda, applied life sciences and*

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*communication – continue to be so. In fact they have grown exponentially, on a global scale, producing new forms of risk. Essays in the final section examine the duality of reason and revelation. They pursue an understanding of Ellul in terms of the*



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*depth of experience and the traditions of human knowledge, which is to say, on the one hand, the experience of the human being as contained in the rationalist, sociological and philosophical traditions. On the other hand there are the transcendent roots*

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*of human existence, as well as “revealed knowledge,” in the mystical and religious traditions. The meeting of these two traditions enables us to look at Ellul’s work as a whole, but above all it opens up a space for examining religious life in the*

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*technological society.*

*“Witty, compelling, and just plain fun to read . . .” —Evelyn Lamb, Scientific American*  
*The Freakonomics of math—a math-world superstar unveils the hidden beauty and logic of the world and puts its power in our hands*

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*The math we learn in school can seem like a dull set of rules, laid down by the ancients and not to be questioned. In How Not to Be Wrong, Jordan Ellenberg shows us how terribly limiting this view is: Math isn't confined to abstract incidents that*

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*never occur in real life, but rather touches everything we do—the whole world is shot through with it. Math allows us to see the hidden structures underneath the messy and chaotic surface of our world. It's a science of not being wrong, hammered out by*

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*centuries of hard work and argument. Armed with the tools of mathematics, we can see through to the true meaning of information we take for granted: How early should you get to the airport? What does “public opinion” really represent? Why do tall*

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*parents have shorter children? Who really won Florida in 2000? And how likely are you, really, to develop cancer? How Not to Be Wrong presents the surprising revelations behind all of these questions and many more, using the*

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*mathematician's method of analyzing life and exposing the hard-won insights of the academic community to the layman—minus the jargon. Ellenberg chases mathematical threads through a vast range of time and space, from the everyday to the*



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*cosmic, encountering, among other things, baseball, Reaganomics, daring lottery schemes, Voltaire, the replicability crisis in psychology, Italian Renaissance painting, artificial languages, the development of non-Euclidean geometry, the*

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*coming obesity apocalypse, Antonin Scalia's views on crime and punishment, the psychology of slime molds, what Facebook can and can't figure out about you, and the existence of God. Ellenberg pulls from history as well as from the latest*

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*theoretical developments to provide those not trained in math with the knowledge they need. Math, as Ellenberg says, is “an atomic-powered prosthesis that you attach to your common sense, vastly multiplying its reach and strength.” With the tools of*

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*mathematics in hand, you can understand the world in a deeper, more meaningful way. How Not to Be Wrong will show you how.*

*Meticulously compiled to serve the specific needs of APRNs and nurse executives engaged in doctoral-level*

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*research, this text provides evidence-based and practice-based scholarly methods not traditionally taught in PhD or DNP programs. Building on and expanding traditional nursing research methods, the book focuses on both existing and evolving methods of*

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*clinical inquiry, some of which incorporate technology and knowledge from other disciplines. These are approaches that can be translated into clinical practice, providing the nursing profession with unprecedented opportunities for*

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*collaboration in improving health and health care systems. Methods include quality improvement, implementation science, logic models, program planning and evaluation, patient-engaged and community participatory research, dissemination research, big*

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*data, comparative effectiveness  
research, and systematic reviews.  
Chapters provide clear guidance on  
why and how to use a particular  
method, and are consistently  
organized to enable a comparison and  
contrast of different approaches in*



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*order to select the one that best fits a particular research need. The text highlights the importance of each approach, and discusses why to use a particular method for doctoral nursing work. Chapters describe how to apply the method along with how to*

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*interpret findings and disseminate them. The description of each method concludes with examples from the published literature. Practical tips for impact and success in research and program proposals add further to the text's value. Key Features: Presents*

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*research methods specifically for  
doctoral-level evidence-based and  
practice-based clinical research  
Describes interdisciplinary health  
care methodologies focused on  
evidence-based improvement in health  
care Offers practical information on*

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*why and how to use each method*

*Provides examples of each method*

*from published literature Written by  
experienced academic and practice  
scholars from across the U.S.*

*How to Know your Advisor is Truly  
Protecting your Wealth*

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*The Many Lives of Michael*

*Bloomberg*

*Math Geek*

*Dodgy Finance, Pseudo Science, and  
How Mathematicians Took Over the  
Markets*

*Enterprise Applications and Services*

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*in the Finance Industry*

*Institutional Money Management*

*REITs, Trading, and Fund*

*Performance, Volume 2*

From a leading financial  
economist, a searching  
examination of the ethics of

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modern finance. In 2001, Goldman Sachs structured a complex financial contract so that its client, the government of Greece, would appear to have far less debt than it actually did. When news of this

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transaction came out years later, the inevitable question arose: Even though Goldman's actions were legal, were they ethically wrong? Is modern finance itself inherently unethical? In Something for



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Nothing, financial economist Maureen O'Hara explains that one of the key innovations of modern finance is its reliance on arbitrage, the practice of taking advantage of a price difference between two or

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more markets to generate profits and remove inefficiencies. When done correctly, arbitrage can create value at little or no cost (in effect, getting “something for nothing”); but it can also be an

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exploitative tool. In a lucid, insightful discussion of the ethics of arbitrage in modern finance, O'Hara reveals how the rules can often be stretched into still-legal yet highly unethical business

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practices. Examining key cases in clear and persuasive prose, O'Hara illuminates various aspects of financial ethics, from the Goldman Greek transaction to Lehman Brothers' attempt to cover up

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its debt, JPMorgan Chase's maneuvers in California's energy markets, Bernie Madoff's trading strategies in the 1980s, high-frequency trading practices, and toxic loans in France. Ultimately,

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O'Hara turns to philosophy and religion to argue for a new, humanistic approach to ethics in the financial industry. She makes a strong case for a way forward: fewer rules and more standards to foster a morally

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responsible outlook. Fearlessly raising the questions at the moral heart of our financial system, *Something for Nothing* is a masterful treatise on the ethics of modern finance. This authoritative and

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anecdote-filled biography of Michael Bloomberg—2020 presidential candidate and one of the richest and famously private/public figures in the country—is a “masterful work...[and] an absolutely first-



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rate study of leadership in business, politics, and philanthropy” (Doris Kearns Goodwin, Pulitzer Prize-winning author) from a veteran New York Times reporter. Michael Bloomberg’s life sounds like an

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exaggerated version of The American Story, except his adventures are real. From modest Jewish middle class (and Eagle Scout) to Harvard MBA to Salomon Brothers hot shot (where he gets “sent

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upstairs” and later fired) to creator of the Bloomberg terminal, a machine that would change Wall Street and the financial universe and make him a billionaire, to presidential candidate in 2020, Randolph’s

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account of Bloomberg's life reads almost like a novel. "A vivid, timely study of Bloomberg's brand of plutocracy" (Publishers Weekly), this engaging and insightful biography recounts

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Mayor Bloomberg's vigorous approach to New York City's care—including his attempts at education reform, anti-smoking and anti-obesity campaigns, climate control, and new developments across the city.

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After he engineered a surprising third term as Mayor, Bloomberg returned to his business and philanthropies that focused increasingly on cities. The chapter that describes this is one of the

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most revealing of his temperament and energy and vision as well as how he spends his “private” time that was virtually off-limits even when he was mayor. Bloomberg promised to give

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away his money before he died, and his giving has focused on education, gun control, and a fighting climate change. He joined the 2020 presidential campaign as a moderate liberal and spent his



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millions focused on ousting  
President Donald Trump.

Explore the deadly elegance of  
finance's hidden powerhouse  
The Money Formula takes you  
inside the engine room of the  
global economy to explore the

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little-understood world of quantitative finance, and show how the future of our economy rests on the backs of this all-but-impenetrable industry. Written not from a post-crisis perspective – but from a

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preventative point of view –  
this book traces the  
development of financial  
derivatives from bonds to  
credit default swaps, and  
shows how mathematical  
formulas went beyond pricing

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to expand their use to the point where they dwarfed the real economy. You'll learn how the deadly allure of their ice-cold beauty has misled generations of economists and investors, and how continued

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reliance on these formulas can either assist future economic development, or send the global economy into the financial equivalent of a cardiac arrest. Rather than rehash tales of post-crisis

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fallout, this book focuses on preventing the next one. By exploring the heart of the shadow economy, you'll be better prepared to ride the rough waves of finance into the turbulent future. Delve into one

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of the world's least-understood but highest-impact industries Understand the key principles of quantitative finance and the evolution of the field Learn what quantitative finance has become, and how it affects us

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all Discover how the industry's next steps dictate the economy's future How do you create a quadrillion dollars out of nothing, blow it away and leave a hole so large that even years of "quantitative easing"



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can't fill it - and then go back to doing the same thing? Even amidst global recovery, the financial system still has the potential to seize up at any moment. The Money Formula explores the how and why of

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financial disaster, what must happen to prevent the next one.

Risk has become one of the main topics in fields as diverse as engineering, medicine and economics, and it is also

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studied by social scientists, psychologists and legal scholars. But the topic of risk also leads to more fundamental questions such as: What is risk? What can decision theory contribute to

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the analysis of risk? What does the human perception of risk mean for society? How should we judge whether a risk is morally acceptable or not? Over the last couple of decades questions like these have

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attracted interest from philosophers and other scholars into risk theory. This handbook provides for an overview into key topics in a major new field of research. It addresses a wide range of

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topics, ranging from decision theory, risk perception to ethics and social implications of risk, and it also addresses specific case studies. It aims to promote communication and information among all those

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who are interested in theoretical issues concerning risk and uncertainty. This handbook brings together internationally leading philosophers and scholars from other disciplines who work on

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risk theory. The contributions are accessibly written and highly relevant to issues that are studied by risk scholars. We hope that the Handbook of Risk Theory will be a helpful starting point for all risk



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scholars who are interested in broadening and deepening their current perspectives.

The Power to Predict Who Will Click, Buy, Lie, or Die

Econophysics and Capital Asset Pricing

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Capital, Collaboration,  
Competition

The Watchman's Rattle

An Inside Look at Strategies,  
Players, and Practices

Bedtime Math: A Fun Excuse to  
Stay Up Late

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## Invest Like an Institution

In common with most other advanced capitalist economies of the Global North, the UK has experienced a decline in the manufacturing industry and an increase in the service sector in recent decades. At the same time, there has been a substantial

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manufacturing growth in a number of countries in the Global South, especially China and India. Why have these changes occurred? What have been their economic and ecological consequences? How can we best understand the way the contemporary economy functions? This book

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explores the answers to these questions, proposing that the contemporary capitalist economy is best understood as a complex socio-spatial system of co-production involving relations between people, things and non-human entities. It is argued that these people typically

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have conflicting and competitive interests yet can come together to resolve their differences or find ways of regulating their conflicting interests. National states continue to have a critical role in establishing these systems of regulation. At the same time, many companies draw on the

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knowledge of their customers while others enrol animals, insects and plants as co-producers. As a result, the improbable processes of commodity production and capital accumulation continue more or less routinely; with problems and occasional crises overcome in a

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variety of ways. Co-produced Economies will be of interest to students of economic geography, political economy and economic development, and more generally to social scientists interested in issues of the causes and consequences of economic change. It will also be of



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relevance to policy makers seeking to develop economic policies in the increasingly volatile global economy and in the context of growing environmental concerns.

The Handbook of News Analytics in Finance is a landmark publication bringing together the latest models

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and applications of News Analytics for asset pricing, portfolio construction, trading and risk control. The content of the Hand Book is organised to provide a rapid yet comprehensive understanding of this topic. Chapter 1 sets out an overview of News Analytics (NA) with an explanation of

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thetechnology and applications. The rest of the chapters are presented in four parts. Part 1 contains an explanation of methods and models which are used to measure and quantify news sentiment. In Part 2 the relationship between news events and discovery of abnormal returns (the

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elusive alpha) is discussed in detail by the leading researchers and industry experts. The material in this part also covers potential application of NA to trading and fund management. Part 3 covers the use of quantified news for the purpose of monitoring, early diagnostics and risk control. Part 4 is

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entirely industry focused; it contains insights of experts from leading technology (content) vendors. It also contains a discussion of technologies and finally a compact directory of content vendor and financial analytics companies in the marketplace of NA. The book

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draws equally upon the expertise of academics and practitioners who have developed these models and is supported by two major content vendors - RavenPack and Thomson Reuters - leading providers of news analytics software and machine readable news. The book will appeal to

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decision makers in the banking, finance and insurance services industry. In particular: asset managers; quantitative fund managers; hedge fund managers; algorithmic traders; proprietary (program) trading desks; sell-side firms; brokerage houses; risk

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managers and research departments will benefit from the unique insights into this new and pertinent area of financial modelling.

"The definitive account of the crash of 1987, a cautionary tale of how the U.S. financial system nearly collapsed ...

Monday, October 19, 1987, was by far



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the worst day in Wall Street history. The market fell 22.6 percent--almost twice as bad as the worst day of 1929--equal to a loss of nearly 5,000 points today. But Black Monday was more than just a one-day market crash; it was seven years in the making and threatened the entire U.S.

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financial system. Drawing on superlative archival research and dozens of original interviews, the award-winning financial journalist Diana B. Henriques weaves a tale of ignored warnings, market delusions, and destructive decisions, a drama that stretches from New York and

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Washington to Chicago and California. Among the central characters are pension fund managers, bank presidents, government regulators, exchange executives, and a pair of university professors whose bright idea for reducing risk backfires with devastating consequences. As the

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story hurtles toward a terrible reckoning, the players struggle to avoid a national panic, and unexpected heroes step in to avert total disaster. For thirty years, investors, bankers, and regulators have failed to heed the lessons of Black Monday. But with uncanny

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precision, all the key fault lines of the devastating crisis of 2008--breakneck automation, poorly understood financial products fueled by vast amounts of borrowed money, fragmented regulation, gigantic herdlike investors--were first exposed as hazards in 1987. A First-Class

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based on a misunderstanding of scientific models rather than on the models themselves.

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he made. The smartphones in our pockets and computers like brains. The vagaries of game theory and evolutionary biology. Nuclear weapons and self-replicating spacecrafts. All bear the fingerprints of one remarkable, yet

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largely overlooked, man: John von Neumann. Born in Budapest at the turn of the century, von Neumann is one of the most influential scientists to have ever lived. A child prodigy, he mastered calculus by the age of eight, and in high school made

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lasting contributions to mathematics. In Germany, where he helped lay the foundations of quantum mechanics, and later at Princeton, von Neumann's colleagues believed he had the fastest brain on the planet—bar

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none. He was instrumental in the Manhattan Project and the design of the atom bomb; he helped formulate the bedrock of Cold War geopolitics and modern economic theory; he created the first ever programmable digital computer; he

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prophesized the potential of nanotechnology; and, from his deathbed, he expounded on the limits of brains and computers—and how they might be overcome. Taking us on an astonishing journey, Ananyo Bhattacharya

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explores how a combination of genius and unique historical circumstance allowed a single man to sweep through a stunningly diverse array of fields, sparking revolutions wherever he went. The Man from the Future is an insightful

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and thrilling intellectual biography of the visionary thinker who shaped our century.

Examines social attitudes that label intellectually gifted individuals as "nerdy" or lacking in popular attributes, and cites the importance

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of overcoming anti-intellectual prejudices to protect American interests in the global economy. This book rehabilitates beta as a definition of systemic risk by using particle physics to evaluate discrete components of financial risk. Much



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of the frustration with beta stems from the failure to disaggregate its discrete components; conventional beta is often treated as if it were "atomic" in the original Greek sense: uncut and indivisible. By analogy to the Standard Model of

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particle physics theory's three generations of matter and the three-way interaction of quarks, Chen divides beta as the fundamental unit of systemic financial risk into three matching pairs of "baryonic" components. The resulting

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econophysics of beta explains no fewer than three of the most significant anomalies and puzzles in mathematical finance. Moreover, the model's three-way analysis of systemic risk connects the mechanics of mathematical finance

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with phenomena usually attributed to behavioral influences on capital markets. Adding consideration of volatility and correlation, and of the distinct cash flow and discount rate components of systematic risk, harmonizes mathematical finance

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with labor markets, human capital, and macroeconomics.

This book discusses the interplay of stochastics (applied probability theory) and numerical analysis in the field of quantitative finance. The stochastic models, numerical

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participants changes, the corresponding stochastic mathematical models describing the prices may also change.

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prices, interest rates as well as foreign-exchange rates, with increasing complexity across the chapters. As is said in the industry, 'do not fall in love with your favorite model.' The book covers equity models before moving to short-rate



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and other interest rate models. We cast these models for interest rate into the Heath-Jarrow-Morton framework, show relations between the different models, and explain a few interest rate products and their pricing. The chapters are

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Students can access solutions to selected exercises, while complete solutions are made available to instructors. The MATLAB and Python computer codes used for most tables and figures in the book

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are made available for both print and e-book users. This book will be useful for people working in the financial industry, for those aiming to work there one day, and for anyone interested in quantitative finance. The topics that are

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unchallenged by citizens and governments. We comfort ourselves with the soothing refrain that technology has no morals and can display no prejudice, and it's only the users of technology who distort certain aspects of it. But is this

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Investment Officer, Advanced  
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"Quants"--those who design and  
implement mathematical models for  
the pricing of derivatives, assessment  
of risk, or prediction of market  
movements--are the backbone of

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today's investment industry. As the greater volatility of current financial markets has driven investors to seek shelter from increasing uncertainty, the quant revolution has given people the opportunity to avoid unwanted financial risk by literally trading it

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away, or more specifically, paying someone else to take on the unwanted risk. How I Became a Quant reveals the faces behind the quant revolution, offering you the chance to learn firsthand what it's like to be a quant today. In this fascinating collection of



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an investment revolution.

Nerds

How Not to Be Wrong

The Physics of Wall Street

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Handbook of Risk Theory

High Frequency Traders Come Out

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of the Shadows

A Practitioner's Guide to Automating  
Intelligent Investment and  
Eliminating Behavioral Errors

There is no doubt that behavioral  
economics is becoming a dominant  
lens through which we think about

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economics. Behavioral economics is not a single school of thought but representative of a range of approaches, and uniquely, this volume presents an overview of them. The wide spectrum of international contributors each

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provides an exploration of a central approach, aspect or topic in behavioral economics. Taken together, the whole volume provides a comprehensive overview of the subject which considers both key developments and future

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possibilities. Part One presents several different approaches to behavioural economics, including George Katona, Ken Boulding, Harvey Leibenstein, Vernon Smith, Herbert Simon, Gerd Gigerenzer, Daniel Kahneman, and Richard

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Thaler. This section looks at the origins and development of behavioral economics and compares and contrasts the work of these scholars who have been so influential in making this area so prominent. Part Two presents

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applications of behavioural economics including nudging; heuristics; emotions and morality; behavioural political economy, education, and economic innovation.

The Routledge Handbook of Behavioral Economics is ideal for



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advanced economics students and faculty who are looking for a complete state-of-the-art overview of this dynamic field.

This Element is an excerpt from  
Crapshoot Investing: How Tech  
Savvy Traders and Clueless

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Regulators Turned the Stock Market into a Casino (9780132599689) by Jim McTague. Available in print and digital formats. How the nerds took over Wall Street—and how their high-frequency, computer-driven trading impacts your portfolio. How did

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graduates from physics and math departments of top graduate schools end up swarming Wall Street? It was an unanticipated consequence of new SEC regulations intended to encourage electronic exchanges. The sudden fragmentation of the market

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resulted in unexpected complexity which, in turn, led to fleeting pricing discrepancies among trading venues. The nerds saw ways to exploit these inefficiencies.

The Quants

Predictive Analytics