

Goldman Sachs Quant Interview Questions

From Wall Street to Silicon Valley, employers are using tough and tricky questions to gauge job candidates' intelligence, imagination, and problem-solving ability -- qualities needed to survive in today's hypercompetitive global marketplace. For the first time, William Poundstone reveals the toughest questions used at Microsoft and other Fortune 500 companies -- and supplies the answers. He traces the rise and controversial fall of employer-mandated IQ tests, the peculiar obsessions of Bill Gates (who plays jigsaw puzzles as a competitive sport), the sadistic mind games of Wall Street (which reportedly led one job seeker to smash a forty-third-story window), and the bizarre excesses of today's hiring managers (who may start off your interview with a box of Legos or a game of virtual Russian roulette). *How Would You Move Mount Fuji?* is an indispensable book for anyone in business. Managers seeking the most talented employees will learn to incorporate puzzle interviews in their search for the top candidates. Job seekers will discover how to tackle even the most brain-busting questions, and gain the advantage that could win the job of a lifetime. And anyone who has ever dreamed of going up against the best minds in business may discover that these puzzles are simply a lot of fun. Why are beer cans tapered on the end, anyway?

Although quantitative interviews are technically challenging, the hardest part can be to guess what you will be "expected to know" on the interview day. The scope of the requirements can also differ a lot between these roles within the banking sector. Author Jean Peyre has built a strong experience of quant interviews, both as an interviewee and an interviewer. Designed to be exhaustive but concise, this book covers all the parts you need to know before attending an interview. Content The book compiles 51 real quant interview questions asked in the banking industry 1) Brainteasers 2) Stochastic Calculus - Brownian motion, Martingale, Stopping time 3) Finance - Option pricing - Exchange Option, Forward starting Option, Straddles, Compound Option, Barrier Option 4) Programming - Sorting algorithms, Python, C++ 5) Classic derivations - Ornstein Uhlenbeck - Local Volatility - Fokker Planck - Hybrid Vasicek Model 6) Math handbook - The definitions and theorems you need to know

Algorithmic puzzles are puzzles involving well-defined procedures for solving problems. This book will provide an enjoyable and accessible introduction to algorithmic puzzles that will develop the reader's algorithmic thinking. The first part of this book is a tutorial on algorithm design strategies and analysis techniques. Algorithm design strategies — exhaustive search, backtracking, divide-and-conquer and a few others — are general approaches to designing step-by-step instructions for solving problems. Analysis techniques are methods for investigating such procedures to answer questions about the ultimate result of the procedure or how many steps are executed before the procedure stops. The discussion is an elementary level, with puzzle examples, and requires neither programming nor mathematics beyond a secondary school level. Thus, the tutorial provides a gentle and entertaining introduction to main ideas in high-level algorithmic problem solving. The second and main part of the book contains 150 puzzles, from centuries-old classics to newcomers often asked during job interviews at computing, engineering, and financial companies. The puzzles are divided into three groups by their difficulty levels. The first fifty puzzles in the Easier Puzzles section require only middle school mathematics. The sixty puzzle of average difficulty and forty harder puzzles require just high school mathematics plus a few topics such as binary numbers and simple recurrences, which are reviewed in the tutorial. All the puzzles are provided with hints, detailed solutions, and brief comments. The comments deal with the puzzle origins and design or analysis techniques used in the solution. The book should be of interest to puzzle lovers, students and teachers of algorithm courses, and persons expecting to be given puzzles during job interviews.

The long-awaited sequel to the "Concepts and Practice of Mathematical Finance" has now arrived. Taking up where the first volume left off, a range of topics is covered in depth. Extensive sections include portfolio credit derivatives, quasi-Monte Carlo, the calibration and implementation of the LIBOR market model, the acceleration of binomial trees, the Fourier transform in option pricing and much more. Throughout Mark Joshi brings his unique blend of theory, lucidity, practicality and experience to bear on issues relevant to the working quantitative analyst. "More Mathematical Finance" is Mark Joshi's fourth book. His previous books including "C++ Design Patterns and Derivatives Pricing" and "Quant Job Interview Questions and Answers" have proven to be indispensable for individuals seeking to become quantitative analysts. His new book continues this trend with a clear exposition of a range of models and techniques in the field of derivatives pricing. Each chapter is accompanied by a set of exercises. These are of a variety of types including simple proofs, complicated derivations and computer projects. Chapter 1. Optionality, convexity and volatility 1 Chapter 2. Where does the money go? 9 Chapter 3. The Bachelier model 23 Chapter 4. Deriving the Delta 29 Chapter 5. Volatility derivatives and model-free dynamic replication 33 Chapter 6. Credit derivatives 41 Chapter 7. The Monte Carlo pricing of portfolio credit derivatives 53 Chapter 8. Quasi-analytic methods for pricing portfolio credit derivatives 71 Chapter 9. Implied correlation for portfolio credit derivatives 81 Chapter 10. Alternate models for portfolio credit derivatives 93 Chapter 11. The non-commutativity of discretization 113 Chapter 12. What is a factor? 129 Chapter 13. Early exercise and Monte Carlo Simulation 151 Chapter 14. The Brownian bridge 175 Chapter 15. Quasi Monte Carlo Simulation 185 Chapter 16. Pricing continuous barrier options using a jump-diffusion model 207 Chapter 17. The Fourier-Laplace transform and option pricing 219 Chapter 18. The cos method 253 Chapter 19. What are market models? 265 Chapter 20. Discounting in market models 281 Chapter 21. Drifts again 293 Chapter 22. Adjoint and automatic Greeks 307 Chapter 23. Estimating correlation for the LIBOR market model 327 Chapter 24. Swap-rate market models 341 Chapter 25. Calibrating market models 363 Chapter 26. Cross-currency market models 389 Chapter 27. Mixture models 401 Chapter 28. The convergence of binomial trees 407 Chapter 29. Asymmetry in option pricing 433 Chapter 30. A perfect model? 443 Chapter 31. The fundamental theorem of asset pricing. 449 Appendix A. The discrete Fourier transform 457 Praise for the Concepts and Practice of Mathematical Finance: "overshadows many other books available on the same

subject" -- ZentralBlatt Math "Mark Joshi succeeds admirably - an excellent starting point for a numerate person in the field of mathematical finance." -- Risk Magazine "Very few books provide a balance between financial theory and practice. This book is one of the few books that strikes that balance." -- SIAM Review

Become the applicant Google can't turn down Cracking the Tech Career is the job seeker's guide to landing a coveted position at one of the top tech firms. A follow-up to The Google Resume, this book provides new information on what these companies want, and how to show them you have what it takes to succeed in the role. Early planners will learn what to study, and established professionals will discover how to make their skillset and experience set them apart from the crowd. Author Gayle Laakmann McDowell worked in engineering at Google, and interviewed over 120 candidates as a member of the hiring committee ? in this book, she shares her perspectives on what works and what doesn't, what makes you desirable, and what gets your resume saved or deleted. Apple, Microsoft, and Google are the coveted companies in the current job market. They field hundreds of resumes every day, and have their pick of the cream of the crop when it comes to selecting new hires. If you think the right alma mater is all it takes, you need to update your thinking. Top companies, especially in the tech sector, are looking for more. This book is the complete guide to becoming the candidate they just cannot turn away. Discover the career paths that run through the top tech firms Learn how to craft the perfect resume and prepare for the interview Find ways to make yourself stand out from the hordes of other applicants Understand what the top companies are looking for, and how to demonstrate that you're it These companies need certain skillsets, but they also want a great culture fit. Grades aren't everything, experience matters, and a certain type of applicant tends to succeed. Cracking the Tech Career reveals what the hiring committee wants, and shows you how to get it.

Getting agreement between finance theory and finance practice is important like never before. In the last decade the derivatives business has grown to a staggering size, such that the outstanding notional of all contracts is now many multiples of the underlying world economy. No longer are derivatives for helping people control and manage their financial risks from other business and industries, no, it seems that the people are toiling away in the fields to keep the derivatives market afloat! (Apologies for the mixed metaphor!) If you work in derivatives, risk, development, trading, etc. you'd better know what you are doing, there's now a big responsibility on your shoulders. In this second edition of Frequently Asked Questions in Quantitative Finance I continue in my mission to pull quant finance up from the dumbed-down depths, and to drag it back down to earth from the super-sophisticated stratosphere. Readers of my work and blogs will know that I think both extremes are dangerous. Quant finance should inhabit the middle ground, the mathematics sweet spot, where the models are robust and understandable, and easy to mend. ...And that's what this book is about. This book contains important FAQs and answers that cover both theory and practice. There are sections on how to derive Black-Scholes (a dozen different ways!), the popular models, equations, formulae and probability distributions, critical essays, brainteasers, and the commonest quant mistakes. The quant mistakes section alone is worth trillions of dollars! I hope you enjoy this book, and that it shows you how interesting this important subject can be. And I hope you'll join me and others in this industry on the discussion forum on wilmott.com. See you there!" FAQQF2...including key models, important formulae, popular contracts, essays and opinions, a history of quantitative finance, sundry lists, the commonest mistakes in quant finance, brainteasers, plenty of straight-talking, the Modellers' Manifesto and lots more. Inside the House of Money lifts the veil on the typically opaque world of hedge funds, offering a rare glimpse at how today's highest paid money managers approach their craft. Author Steven Drobny demystifies how these star traders make billions for well-heeled investors, revealing their theories, strategies and approaches to markets. Drobny, cofounder of Drobny Global Advisors, an international macroeconomic research and advisory firm, has tapped into his network and beyond in order assemble this collection of thirteen interviews with the industry's best minds. Along the way, you'll get an inside look at firsthand trading experiences through some of the major world financial crises of the last few decades. Whether Russian bonds, Pakistani stocks, Southeast Asian currencies or stakes in African brewing companies, no market or instrument is out of bounds for these elite global macro hedge fund managers. Highly accessible and filled with in-depth expert opinion, Inside the House of Money is a must-read for financial professionals and anyone else interested in understanding the complexities at stake in world financial markets. "The ruminations of supposedly hush-hush hedge fund operators are richly illuminating." --New York Times

Charts are best viewed on a tablet. Picking up where Liar's Poker left off (literally, in the bond dealer's desks of Salomon Brothers) the story of Long-Term Capital Management is of a group of elite investors who believed they could beat the market and, like alchemists, create limitless wealth for themselves and their partners.

Argues that post-crisis Wall Street continues to be controlled by large banks and explains how a small, diverse group of Wall Street men have banded together to reform the financial markets.

The Best Book on Goldman Sachs Sales & Trading Internships gives you a competitive edge over other Goldman Sachs applicants through the author's insider advice. Avnish Patel has been through the Goldman Sachs internship application process and succeeded where most applicants fail. The Best Book answers all of your questions, including how to write a winning resume and how to impress your interviewer. Avnish breaks down the best approaches to every component of the Goldman Sachs recruitment process. Readers will learn the best ways of connecting with Goldman Sachs recruiters, the anatomy of an effective cover letter, and what common mistakes to avoid during the interview process. The author shares his own unique experiences at Goldman Sachs, providing unique advice and fascinating looks into Goldman Sachs's recruitment policies. In addition to helping readers maximize their chances of landing their dream internship, this eBook includes advice on succeeding during the actual internship.

An authoritative study of a powerful investment bank that until recently remained a private entity is written by a former vice president who explores how the bank maintained its lengthy success. Reprint.

From the Vault Career Library covering the basics of financial statements, fit portion of interviews and equity and debt valuation

techniques in a step-by-step process.

The quant job market has never been tougher. Extensive preparation is essential. Expanding on the successful first edition, this second edition has been updated to reflect the latest questions asked. It now provides over 300 interview questions taken from actual interviews in the City and Wall Street. Each question comes with a full detailed solution, discussion of what the interviewer is seeking and possible follow-up questions. Topics covered include option pricing, probability, mathematics, numerical algorithms and C++, as well as a discussion of the interview process and the non-technical interview. All three authors have worked as quants and they have done many interviews from both sides of the desk. Mark Joshi has written many papers and books including the very successful introductory textbook, "The Concepts and Practice of Mathematical Finance."

Design more successful trading systems with this practical guide to identifying alphas Finding Alphas seeks to teach you how to do one thing and do it well: design alphas. Written by experienced practitioners from WorldQuant, including its founder and CEO Igor Tulchinsky, this book provides detailed insight into the alchemic art of generating trading signals, and gives you access to the tools you need to practice and explore. Equally applicable across regions, this practical guide provides you with methods for uncovering the hidden signals in your data. A collection of essays provides diverse viewpoints to show the similarities, as well as unique approaches, to alpha design, covering a wide variety of topics, ranging from abstract theory to concrete technical aspects. You'll learn the dos and don'ts of information research, fundamental analysis, statistical arbitrage, alpha diversity, and more, and then delve into more advanced areas and more complex designs. The companion website, www.worldquantchallenge.com, features alpha examples with formulas and explanations. Further, this book also provides practical guidance for using WorldQuant's online simulation tool WebSim® to get hands-on practice in alpha design. Alpha is an algorithm which trades financial securities. This book shows you the ins and outs of alpha design, with key insight from experienced practitioners. Learn the seven habits of highly effective quants Understand the key technical aspects of alpha design Use WebSim® to experiment and create more successful alphas Finding Alphas is the detailed, informative guide you need to start designing robust, successful alphas.

The Wall Street Journal calls Case in Point the MBA Bible! Cosentino demystifies the consulting case interview. He takes you inside a typical interview by exploring the various types of case questions and he shares with you the acclaimed Ivy Case System which will give you the confidence to answer even the most sophisticated cases.

Praise for How I Became a Quant "Led by two top-notch quants, Richard R. Lindsey and Barry Schachter, How I Became a Quant details the quirky world of quantitative analysis through stories told by some of today's most successful quants. For anyone who might have thought otherwise, there are engaging personalities behind all that number crunching!" --Ira Kawaller, Kawaller & Co. and the Kawaller Fund "A fun and fascinating read. This book tells the story of how academics, physicists, mathematicians, and other scientists became professional investors managing billions." --David A. Krell, President and CEO, International Securities Exchange "How I Became a Quant should be must reading for all students with a quantitative aptitude. It provides fascinating examples of the dynamic career opportunities potentially open to anyone with the skills and passion for quantitative analysis."

--Roy D. Henriksson, Chief Investment Officer, Advanced Portfolio Management "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 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 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 Wall Street war stories, more than two dozen quants detail their roots, roles, and contributions, explaining what they do and how they do it, as well as outlining the sometimes unexpected paths they have followed from the halls of academia to the front lines of an investment revolution.

Professional career guide from the Vault Career Library providing detailed case-by-case explanations of the consulting interview and strategies for cracking it.

Paul Wilmott on Quantitative Finance, Second Edition provides a thoroughly updated look at derivatives and financial engineering, published in three volumes with additional CD-ROM. Volume 1: Mathematical and Financial Foundations; Basic Theory of Derivatives; Risk and Return. The reader is introduced to the fundamental mathematical tools and financial concepts needed to understand quantitative finance, portfolio management and derivatives. Parallels are drawn between the respectable world of investing and the not-so-respectable world of gambling. Volume 2: Exotic Contracts and Path Dependency; Fixed Income Modeling and Derivatives; Credit Risk In this volume the reader sees further applications of stochastic mathematics to new financial problems and different markets. Volume 3: Advanced Topics; Numerical Methods and Programs. In this volume the reader enters territory rarely seen in textbooks, the cutting-edge research. Numerical methods are also introduced so that the models can now all be accurately and quickly solved. Throughout the volumes, the author has included numerous Bloomberg screen dumps to illustrate in real terms the points he raises, together with essential Visual Basic code, spreadsheet explanations of the models, the reproduction of term sheets and option classification tables. In addition to the practical orientation of the book the author himself also appears throughout the book—in cartoon form, readers will be relieved to hear—to personally highlight and explain the key sections and issues discussed. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This book will prepare you for quantitative finance interviews by helping you zero in on the key concepts that are frequently tested in such interviews. In this book we analyze solutions to more than 200 real interview problems and provide valuable insights into how to ace quantitative interviews. The book covers a variety of topics that you are likely to encounter in quantitative interviews: brain teasers, calculus, linear algebra, probability, stochastic processes and stochastic calculus, finance and programming.

From the powerhouse author of The Memo, the essential self-help book for women of color to heal—and thrive—in the workplace In workplaces nationwide, women of color need frank talk and honest advice on how to deal with microaggressions, heal from racialized trauma, and find relief from invisible workplace burdens. Filled with Minda Harts's signature wit and warmth, Right Within offers strategies for women of color to speak up during racialized moments with managers and clients, work through past triggers they may not even know still cause pain, and reframe past career disappointments as opportunities to grow into a new path. Through action points, exercises, and clear-eyed coaching, Harts encourages women to summon hidden reserves of strength and courage. She includes advice from therapists and faith leaders of color on a full range of ways to heal. Right Within will help women of color strengthen their resolve across corporate America, ensuring that we can all, finally, rise together.

This is the story of the slow evolution of Goldman Sachs—addressing why and how the firm changed from an ethical standard to a legal one as it grew to be a leading global corporation. In *What Happened to Goldman Sachs*, Steven G. Mandis uncovers the forces behind what he calls Goldman's "organizational drift." Drawing from his firsthand experience; sociological research; analysis of SEC, congressional, and other filings; and a wide array of interviews with former clients, detractors, and current and former partners, Mandis uncovers the pressures that forced Goldman to slowly drift away from the very principles on which its reputation was built. Mandis evaluates what made Goldman Sachs so successful in the first place, how it responded to pressures to grow, why it moved away from the values and partnership culture that sustained it for so many years, what forces accelerated this drift, and why insiders can't—or won't—recognize this crucial change. Combining insightful analysis with engaging storytelling, Mandis has written an insider's history that offers invaluable perspectives to business leaders interested in understanding and managing organizational drift in their own firms.

[Note: eBook version of latest edition now available; see Amazon author page for details.] THIS IS A MUST READ! It is the first and the original book of quantitative questions from finance job interviews. Painstakingly revised over 25 years and 20 editions, *Heard on The Street* has been shaped by feedback from many hundreds of readers. With well over 60,000 copies in print, its readership is unmatched by any competing book. The revised 20th edition contains over 225 quantitative questions collected from actual job interviews in investment banking, investment management, and options trading. The interviewers use the same questions year-after-year, and here they are with detailed solutions! This edition also includes over 225 non-quantitative actual interview questions, giving a total of more than 450 actual finance job interview questions. There is also a recently revised section on interview technique based on Dr. Crack's experiences interviewing candidates and also based on feedback from interviewers worldwide. The quant questions cover pure quant/logic, financial economics, derivatives, and statistics. They come from all types of interviews (corporate finance, sales and trading, quant research, etc.), and from all levels of interviews (undergraduate, MS, MBA, PhD). The first seven editions of *Heard on the Street* contained an appendix on option pricing. That appendix was carved out as a standalone book many years ago and it is now available in its revised fourth edition: "Basic Black-Scholes" (ISBN: 978-0-9941386-8-2). Dr. Crack did PhD coursework at MIT and Harvard, and graduated with a PhD from MIT. He has won many teaching awards, and has publications in the top academic, practitioner, and teaching journals in finance. He has degrees/diplomas in Mathematics/Statistics, Finance, Financial Economics and Accounting/Finance. Dr. Crack taught at the university level for over 25 years including four years as a front line teaching assistant for MBA students at MIT, and four years teaching undergraduates, MBAs, and PhDs at Indiana University. He has worked as an independent consultant to the New York Stock Exchange and to a foreign government body investigating wrong doing in the financial markets. His most recent practitioner job was as the head of a quantitative active equity research team at what was the world's largest institutional money manager. *Financial market behavior and key trading strategies*—illuminated by interviews with top hedge fund experts *Efficiently Inefficient* describes the key trading strategies used by hedge funds and demystifies the secret world of active investing. Leading financial economist Lasse Heje Pedersen combines the latest research with real-world examples to show how certain tactics make money—and why they sometimes don't. He explores equity strategies, macro strategies, and arbitrage strategies, and fundamental tools for portfolio choice, risk management, equity valuation, and yield curve trading. The book also features interviews with leading hedge fund managers: Lee Ainslie, Cliff Asness, Jim Chanos, Ken Griffin, David Harding, John Paulson, Myron Scholes, and George Soros. *Efficiently Inefficient* reveals how financial markets really work.

Cracking the Finance Quant Interview 51 Interview Questions and Solutions Independently Published

How many pizzas are delivered in Manhattan? How do you design an alarm clock for the blind? What is your favorite piece of software and why? How would you launch a video rental service in India? This book will teach you how to answer these questions and more. *Cracking the PM Interview* is a comprehensive book about landing a product management role in a startup or bigger tech company. Learn how the ambiguously-named "PM" (product manager / program manager) role varies across companies, what experience you need, how to make your existing experience translate, what a great PM resume and cover letter look like, and finally, how to master the interview: estimation questions, behavioral questions, case questions, product questions, technical questions, and the super important "pitch."

In *My Life as a Quant*, Emanuel Derman relives his exciting journey as one of the first high-energy particle physicists to migrate to Wall Street. Page by page, Derman details his adventures in this field—analyzing the incompatible personas of traders and quants, and discussing the dissimilar nature of knowledge in physics and finance. Throughout this tale, he also reflects on the appropriate way to apply the refined methods of physics to the hurly-burly world of markets.

NEW YORK TIMES AND SUNDAY TIMES BUSINESS BESTSELLER THE GRIPPING STORY OF HOW A WORLD-CLASS MATHEMATICIAN AND FORMER CODE BREAKER MASTERED THE MARKET When Jim Simons hired physicists, mathematicians and computer scientists to form a hedge fund, experts scoffed. These people would become some of the richest in the world, amassing piles of data and building algorithms that would find the deeply hidden patterns in global markets. Taking the name Renaissance, the company's executives soon began exerting influence outside of the financial world. While Simons became a major figure in scientific research, education, and liberal politics, his senior executive Robert Mercer has been credited with Trump's victorious presidential candidacy and helping steer the UK towards Brexit. Drawing on unprecedented access to Simons and dozens of his employees, Zuckerman, a veteran Wall Street Journal investigative reporter, paints a portrait of a modern-day Midas who remade markets in his own image, but failed to anticipate how his success would impact his firm, his country and the world. SHORTLISTED FOR THE FT & MCKINSEY BUSINESS BOOK OF THE YEAR 'Reads more like a delicious page-turning novel' Bloomberg 'A compelling read' Economist 'Captivating' New York Times book review

New edition of "Cracking the Finance Quant Interview" with a slightly larger print for a better reading experience Author Jean Peyre has built a strong experience of quant interviews, both as an interviewee and an interviewer. Designed to be exhaustive but concise, this book covers all the parts you need to know before attending an interview. Content The book compiles 75 real quant interview questions asked in the banking industry 1) Brainteasers 2) Stochastic Calculus - Brownian motion, Martingale, Stopping time 3) Finance - Option pricing - Exchange Option, Forward starting Option, Straddles, Compound Option, Barrier Option 4) Programming - Sorting algorithms, Python, C++ 5) Classic derivations - Ornstein Uhlenbeck - Local Volatility - Fokker Planck - Hybrid Vasicek Model 6) Math handbook - The definitions and theorems you need to know

Professional career guide from the Vault Career Library covering bond fundamentals, statistics, derivatives (with detailed Black-Scholes calculations, fixed income securities, equity markets, currency and commodity markets, risk management.

Interview Math provides over 50 practice problems and answers to help job seekers master quantitative interview questions including: Market Sizing Revenue Estimates Profitability Breakeven Pricing Customer Lifetime Value If you're interviewing at one of the highly sought after positions below, you'll need to master these interview math questions: Management Consulting: McKinsey, Bain, Boston Consulting Group, Deloitte General Management: Capital One, Taser Marketing: General Mills, Google, Hershey Software Engineering: Goldman Sachs, Microsoft Finance: American Airlines, Best Buy, JetBlue You'll learn interview math concept and principles - and then master those concepts with over 50 practice questions filled with detailed answers. After going through the book, candidates will feel knowledgeable, confident, relaxed and ready to tackle interview math questions. GMAT™ Official Guide 2021 Your GMAT™ prep begins here. Designed by the makers of the GMAT exam. Study with confidence. All GMAT™ Official Prep products are the only prep resources containing real GMAT™ questions from past exams. It's why we are official. Get comprehensive practice by studying with 1,172 questions across quantitative and verbal reasoning from past GMAT™ exams. Answer explanations are included so that you can study the reasoning behind the answers to help improve your understanding and performance. The questions in each section are organized by difficulty level: easy, medium and hard. Start at the beginning and work your way up to the harder questions as you build upon your knowledge. The GMAT™ Official Guide 2021 will allow you to: LEARN ABOUT THE GMAT™ EXAM –Gain an overview of the exam including the format, content and test-taking strategies. GAIN COMPREHENSIVE PRACTICE –Prepare with over 1,172 questions across Quantitative and Verbal Reasoning sections and online. Study Answer Explanations –Learn the methods behind the answers with detailed explanations. Build Upon Your Knowledge –Practice with questions organized from easiest to hardest. Plus! Practice online with the GMAT™ Official Guide Online Question Bank Practice online with the same questions from the book PLUS more than 150 additional online-exclusive questions—included with your purchase. Online practice will allow you to: New! Review with online flashcardsto master key concepts to prepare and test with confidence Practice with a total of 1,172 practice questions Create your own online practice sets Filter by fundamental skill and difficulty level Track your improvements with performance metrics Practice in exam mode to get ready for test day Study on the go with the mobile app! Access your data seamlessly between your devices and offline! The GMAT™ Official Guide 2021 gives you the tools you need to confidently prepare for test day. This product includes print book with a unique code to access the GMAT™ Online Question Bank and mobile app.

An experienced equity research analyst guides jobseekers every step along the way, from choosing which companies to target, to mastering the specialized interview process, in order to stand out from the pack.

Professional text/reference on mathematical finance.

'A manual for the 21st-century citizen... accessible, refreshingly critical, relevant and urgent' - Financial Times 'Fascinating and deeply disturbing' - Yuval Noah Harari, Guardian Books of the Year In this New York Times bestseller, Cathy O'Neil, one of the first champions of algorithmic accountability, sounds an alarm on the mathematical models that pervade modern life -- and threaten to rip apart our social fabric. We live in the age of the algorithm. Increasingly, the decisions that affect our lives - where we go to school, whether we get a loan, how much we pay for insurance - are being made not by humans, but by mathematical models. In theory, this should lead to greater fairness: everyone is judged according to the same rules, and bias is eliminated. And yet, as Cathy O'Neil reveals in this urgent and necessary book, the opposite is true. The models being used today are opaque, unregulated, and incontestable, even when they're wrong. Most troubling, they reinforce discrimination. Tracing the arc of a person's life, O'Neil exposes the black box models that shape our future, both as individuals and as a society. These "weapons of math destruction" score teachers and students, sort CVs, grant or deny loans, evaluate workers, target voters, and monitor our health. O'Neil calls on modellers to take more 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 lives. This important book empowers us to ask the tough questions, uncover the truth, and demand change.

"Learn how to identify question types, simplify arguments, and eliminate wrong answers efficiently and confidently. Practice the logic skills tested by the GMAT and master proven methods for solving all Critical Reasoning problems"--Page 4 of cover.

40 Interview questions and solutions Is your math rusty? If you are attending an interview in banking, consultancy, programming or engineering, you will very likely be asked at least a math question. Your performance on this question can be significantly improved if you train a little prior to the interview. Designed to be exhaustive but concise, this book will help you refresh your math and train on popular math interview questions. Subjects covered include sequences, functions, polynomials, probability. A math cheatsheet is provided. The author Jean Peyre has studied pure and applied mathematics in France and financial engineering in UK. He is also the author of "Cracking the Finance Quant Interview".

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