The Handbook of Behavioral Operations The number one guide to corporate valuation is back and better than ever. Thoroughly revised and expanded to reflect business conditions in today’s volatile global economy, Valuation, Fifth Edition continues the tradition of its bestselling predecessors by providing up-to-date insights and practical advice on how to create, manage, and measure the value of an organization. Along with all new case studies that illustrate how valuation techniques and principles are applied in real-world situations, this comprehensive guide has been updated to reflect new developments in corporate finance, changes in accounting rules, and an enhanced global perspective. Valuation, Fifth Edition is filled with expert guidance that managers at all levels, investors, and students can use to enhance their understanding of this important discipline. Contains strategies for multi-business valuation and valuation for corporate restructuring, mergers, and acquisitions. A addresses how you can interpret the results of a valuation in light of a company’s competitive situation Also available: a book plus CD-ROM package (978-0-470-42469-8) as well as a stand-alone CD-ROM (978-0-470-42457-7) containing an interactive valuation DCF model. Valuation, Fifth Edition stands alone in this field with its reputation of quality and consistency. If you want to hone your valuation skills today and improve them for years to come, look no
Further than this book.

Handbook of Financial Planning and Control

The rail-based transit system is a popular public transportation option, not just with members of the public but also with policymakers looking to install a form of convenient and rapid travel. Even for moving bulk freight long distances, a rail-based system is the most sustainable transportation system currently available. The Handbook of Research on Emerging Innovations in Rail Transportation Engineering presents the latest research on next-generation public transportation infrastructures. Emphasizing a diverse set of topics related to rail-based transportation such as funding issues, policy design, traffic planning and forecasting, and engineering solutions, this comprehensive publication is an essential resource for transportation planners, engineers, policymakers, and graduate-level engineering students interested in uncovering research-based solutions, recommendations, and examples of modern rail transportation systems.

Practical Business Forecasting

Fashion Forward demystifies the exciting career of a fashion forecaster and fosters skills that will benefit any design professional. The book begins with an overview of fashion forecasting theories and concepts and then leads readers through a step-by-step guide to creating and presenting a forecast. The authors reveal the inner workings of global fashion forecasting through real-world examples and interviews with both influential forecasters and the designers who rely upon them. Fashion Forward enables readers to start spotting tomorrow’s trends today and compellingly communicate them—both visually and verbally—to inspire fashion innovators. New to this Edition - Current images and examples. Updated fashion photos to include current and trending images, professional presentations and forecast examples, plus new interviews and quotes. - Covers the latest methods and technology. New coverage of social media, technology and data analytics practices in fashion forecasting. - Enhanced global perspective. New content addressed the global apparel industry, emphasizes international forecasting firms, includes interviews with global forecaster and trend specialists, and more diverse images and examples throughout the book. - Practical career information and hands-on application. Updated and expanded career opportunities sections and enhanced activities provide real-world simulations and insights. - New online STUDIO resources offer students self-study quizzes, flashcards, additional projects and online resources. PLEASE NOTE: Purchasing or renting this ISBN does not include access to the STUDIO resources that accompany this text. To receive free access to the STUDIO content with new copies of this book, please refer to the book + STUDIO access card bundle ISBN 9781501328350.

Fashion Forward

From the author of the bestselling "Analysis of Time Series," Time-Series Forecasting offers a comprehensive, up-to-date review of forecasting methods. It provides a summary of time-series modelling procedures, followed by a brief catalogue of many different time-series forecasting methods, ranging from ad-hoc methods through ARIMA and state-space modelling to multivariate methods and including recent arrivals, such as GARCH models, neural networks, and cointegrated models. The author compares the more important methods in terms of their theoretical inter-
relationships and their practical merits. He also considers two other general forecasting topics that have been somewhat neglected in the literature: the computation of prediction intervals and the effect of model uncertainty on forecast accuracy. Although the search for a “best” method continues, it is now well established that no single method will outperform all other methods in all situations—the context is crucial. Time-Series Forecasting provides an outstanding reference source for the more generally applicable methods particularly useful to researchers and practitioners in forecasting in the areas of economics, government, industry, and commerce.

Principles of Forecasting This book provides not only practical guidance on how to manage resources but also a critical examination of the conventional techniques of financial planning and control through the introduction of new approaches. Additional chapters have been added to introduce Strategic Management Accounting, Activity Based Costing and the Balanced Scorecard, New Performance Measures, Venture Capital, Knowledge Management and Outsourcing, and Financial Considerations of eBusiness. In this third edition, the book has been revised to encourage the reader to think about and reflect upon the emergence of recent principles and practices related to financial planning and control. While it is addressed primarily to business managers with an interest in financial planning and control, the range of subjects covered and the breadth of approach adopted by many of the contributors will make the Handbook of Financial Planning and Control especially useful to those managers in non-financial functions (as well as students of management) who must reconcile theory with the everyday reality of modern business practice.

Weather Forecasting Handbook Handbook of Statistical Analysis and Data Mining Applications, Second Edition, is a comprehensive professional reference book that guides business analysts, scientists, engineers and researchers, both academic and industrial, through all stages of data analysis, model building and implementation. The handbook helps users discern technical and business problems, understand the strengths and weaknesses of modern data mining algorithms and employ the right statistical methods for practical application. This book is an ideal reference for users who want to address massive and complex datasets with novel statistical approaches and be able to objectively evaluate analyses and solutions. It has clear, intuitive explanations of the principles and tools for solving problems using modern analytic techniques and discusses their application to real problems in ways accessible and beneficial to practitioners across several areas—from science and engineering, to medicine, academia and commerce. Includes input by practitioners for practitioners Includes tutorials in numerous fields of study that provide step-by-step instruction on how to use supplied tools to build models Contains practical advice from successful real-world implementations Brings together, in a single resource, all the information a beginner needs to understand the tools and issues in data mining to build successful data mining solutions Features clear, intuitive explanations of novel analytical tools and techniques, and their practical applications

Clean Code Sales Management offers a global perspective on the opportunities and
issues facing today’s sales managers. Current textbooks have failed to move beyond the US context. Sales Management provides unique access to European and international experts, with globally relevant case studies.

Storytelling with Data Developed over 20 years of teaching academic courses, the Handbook of Financial Risk Management can be divided into two main parts: risk management in the financial sector; and a discussion of the mathematical and statistical tools used in risk management. This comprehensive text offers readers the chance to develop a sound understanding of financial products and the mathematical models that drive them, exploring in detail where the risks are and how to manage them. Key Features: Written by an author with both theoretical and applied experience Ideal resource for students pursuing a master’s degree in finance who want to learn risk management Comprehensive coverage of the key topics in financial risk management Contains 114 exercises, with solutions provided online at www.crcpress.com/9781138501874

Well Productivity Handbook Operational forecasting sits at the heart of many businesses because it informs every decision taken to get the right amount of product (or service capacity), in the right place, at the right time. But is also one of the most misunderstood and undervalued activities. As a result, most businesses carry enormous amounts of unnecessary inventory while simultaneously failing to offer their customers the level of service that they expect. So, any efficiency or performance improvement initiative is automatically held back by having to drag around this wastage At best, the managers in these businesses may suspect there is scope for improvement but have no idea how much ‘weight’ they can lose or how to go about shedding it. At worst, they assume that trying harder and investing in more “sophisticated” software will automatically take care of the problem because they are blind to the amount of surplus baggage they are dragging around. This book demystifies operational forecasting through a series of bite sized ‘lessons’ supported by simple illustrations, that address the fundamental questions that anyone with an interest or stake in operational forecasting needs to be able to answer: · Why forecast? · What do we need to understand before we start forecasting? · How do we forecast? · What does success look like? · How can we improve? Aimed primarily at forecasting practitioners and anyone responsible for, or reliant on, what they do, this book also is an excellent primer for anyone wanting to understand the process but not the mathematics that comes with most books on the subject. And if you need extra motivation to keep reading, research has shown that poor forecasting is often the single largest source of corporate waste – adding around 2% to your cost of sales. So, read on – your only risk is becoming a corporate hero!

Handbook of Research on Effective Marketing in Contemporary Globalism A comprehensive review of behavioral operations management that puts the focus on new and trending research in the field. The Handbook of Behavioral Operations offers a comprehensive resource that fills the gap in the behavioral operations management literature. This vital text highlights best practices in behavioral operations research and identifies the most current research directions and their applications. A volume in the
Wiley Series in Operations Research and Management Science, this book contains contributions from an international panel of scholars from a wide variety of backgrounds who are conducting behavioral research. The handbook provides succinct tutorials on common methods used to conduct behavioral research, serves as a resource for current topics in behavioral operations research, and as a guide to the use of new research methods. The authors review the fundamental theories and offer frameworks from a psychological, systems dynamics, and behavioral economic standpoint. They provide a crucial grounding for behavioral operations as well as an entry point for new areas of behavioral research. The handbook also presents a variety of behavioral operations applications that focus on specific areas of study and includes a survey of current and future research needs. This important resource: Contains a summary of the methodological foundations and in-depth treatment of research best practices in behavioral research. Provides a comprehensive review of the research conducted over the past two decades in behavioral operations, including such classic topics as inventory management, supply chain contracting, forecasting, and competitive sourcing. Covers a wide-range of current topics and applications including supply chain risk, responsible and sustainable supply chain, health care operations, culture and trust. Connects existing bodies of behavioral operations literature with related fields, including psychology and economics. Provides a vision for future behavioral research in operations. Written for academicians within the operations management community as well as for behavioral researchers, The Handbook of Behavioral Operations offers a comprehensive resource for the study of how individuals make decisions in an operational context with contributions from experts in the field.

Handbook of Molded Part Shrinkage and Warpage Fast changing legislation and increasing environmental awareness within the non-scientific community demands that the modern approach to the management of rivers and water resources should be based on a sound understanding and application of the scientific and ecological principles that underlie freshwater processes. In two volumes, The Rivers Handbook offers an expert and exhaustive insight into the principles, methods and tools of modern river management - always within an integrated and environmentally acceptable framework. This second volume develops the principles and philosophies expounded in the first volume into the management sphere, organizing the approach around problems, diagnosis and treatment. A fully comprehensive reference to sound methods of modern river management. The ideal information resource for all river managers.

Sales Management The Weather Forecasting Red Book is a groundbreaking reference that breaks away from theory and helps forecasters tackle everyday prediction problems. The book contains a wealth of information on real-life techniques, methods, and forecast systems. It draws upon a wealth of experience collected by the weather services of the United States, the United Kingdom, and Canada. The first section deals with observational systems, explaining what quantities of wind, temperature, and pressure really mean. The analysis section defines standards and conventions for weather maps. The forecasting section has over a hundred pages of techniques, methods, patterns, and basic ideas and principles. And in the numerical model section, key details of the latest
models are explained. It's written by a forecaster for forecasters. If it's needed at the forecast desk, it's in here.

Solar Energy Forecasting and Resource Assessment

Site Reliability Engineering Principles of Forecasting: A Handbook for Researchers and Practitioners summarizes knowledge from experts and from empirical studies. It provides guidelines that can be applied in fields such as economics, sociology, and psychology. It applies to problems such as those in finance (How much is this company worth?), marketing (Will a new product be successful?), personnel (How can we identify the best job candidates?), and production (What level of inventories should be kept?). The book is edited by Professor J. Scott Armstrong of the Wharton School, University of Pennsylvania. Contributions were written by 40 leading experts in forecasting, and the 30 chapters cover all types of forecasting methods. There are judgmental methods such as Delphi, role-playing, and intentions studies. Quantitative methods include econometric methods, expert systems, and extrapolation. Some methods, such as conjoint analysis, analogies, and rule-based forecasting, integrate quantitative and judgmental procedures. In each area, the authors identify what is known in the form of 'if-then principles', and they summarize evidence on these principles. The project, developed over a four-year period, represents the first book to summarize all that is known about forecasting and to present it so that it can be used by researchers and practitioners. To ensure that the principles are correct, the authors reviewed one another's papers. In addition, external reviews were provided by more than 120 experts, some of whom reviewed many of the papers. The book includes the first comprehensive forecasting dictionary.

Tax Policy Handbook Describes the organization of commodities markets and the methods needed to operate successfully in futures trading

Handbook of Financial Risk Management Handbook of Computational Econometrics examines the state of the art of computational econometrics and provides exemplary studies dealing with computational issues arising from a wide spectrum of econometric fields including such topics as bootstrapping, the evaluation of econometric software, and algorithms for control, optimization, and estimation. Each topic is fully introduced before proceeding to a more in-depth examination of the relevant methodologies and valuable illustrations. This book: Provides self-contained treatments of issues in computational econometrics with illustrations and invaluable bibliographies. Brings together contributions from leading researchers. Develops the techniques needed to carry out computational econometrics. Features network studies, non-parametric estimation, optimization techniques, Bayesian estimation and inference, testing methods, time-series analysis, linear and nonlinear methods, V.A.R. analysis, bootstrapping developments, signal extraction, software history and evaluation. This book will appeal to econometricians, financial statisticians, econometric researchers and students of econometrics at both graduate and advanced undergraduate levels.
Long-Range Forecasting: The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE’s day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, communication, and meetings that your organization can use.

The Concise Handbook of Futures Markets: A guide to weather forecasting covers forecasting principles, techniques, and tools.

The Little Book of Operational Forecasting: The SAGE Handbook of Applied Social Research Methods, Second Edition provides students and researchers with the most comprehensive resource covering core methods, research designs, and data collection, management, and analysis issues. This thoroughly revised edition continues to place critical emphasis on finding the tools that best fit the research question given the constraints of deadlines, budget, and available staff. Each chapter offers key guidance on how to make intelligent and conscious tradeoffs so that one can refine and hone the research question as new knowledge is gained, unanticipated obstacles are encountered, or contextual shifts take place—all key elements in the iterative nature of applied research. Each chapter has been enhanced pedagogically to include more step-by-step procedures, specific, rich yet practical examples from various settings to illustrate the method, parameters to define when the method is most appropriate and when it is not appropriate, and greater use of visual aids (graphs, models, tip boxes) to provide teaching and learning tools. - twenty core chapters written by research experts that cover major methods and data analysis issues across the social and behavioral sciences, education, and management; emphasis on applying research techniques, particularly in "real-world" settings in which there are various data, money, time, and political constraints; new chapters on mixed methods, qualitative comparative analysis, concept mapping, and internet data collection; a newly developed section that serves as a guide for students who are navigating through the book and attempting to translate the chapters into action; a new Instructor's Resources CD, with relevant journal articles, test questions, and exercises to aid the instructor in developing appropriate course materials.

Time-Series Forecasting: Stressing the concrete applications of economic forecasting, Practical Business Forecasting is accessible to a wide-range of readers, requiring only a
familiarity with basic statistics. The text focuses on the use of models in forecasting, explaining how to build practical forecasting models that produce optimal results. In a clear and detailed format, the text covers estimating and forecasting with single and multi-equation models, univariate time-series modeling, and determining forecasting accuracy. Additionally, case studies throughout the book illustrate how the models are actually estimated and adjusted to generate accurate forecasts. After reading this text, students and readers should have a clearer idea of the reasoning and choices involved in building models, and a deeper foundation in estimating econometric models used in practical business forecasting.

The SAGE Handbook of Applied Social Research Methods Edited by Parthasarathi Shome, this Handbook was written primarily for economists who are responsible for analyzing and evaluating economic policies of developing countries at an applied level, and who would benefit from a comprehensive discussion of the concepts, principles, and prevailing issues of taxation.

Weather Forecasting Red Book Designers in the textile industry have a wide range of roles and responsibilities and are frequently required to make design decisions throughout the manufacturing process. This very practical handbook provides a comprehensive overview of the role of the textile designer within the textile industry. It deals with the all aspects of the design process from the beginning - from how to go about attracting clients through range planning and development to presentation. It firmly locates the work of the textile designer within the wider context of the global textile and clothing industries and considers the process of design for both freelance and in-house designers. Commercial considerations are also covered, together with trend forecasting and the factors influencing purchasing decisions. Based on the author's experience as a textile designer in industry and as a lecturer at UMIST, Manchester, UK, this book covers the entire textile design process from briefing through initial ideas, research and design development, to finished fabrics being sold to garment manufacturers and to retail. The Handbook of textile design is an invaluable reference for students of textile design as well as buyers and merchandisers of textile products, and anyone requiring an understanding of the textile design process. The range and diversity of textile design techniques available to the designer The professional practice of running a textile design studio How design work is carried out from the initial brief all the way through to invoicing the client

Quantum Trading How easy life would be if only moldings were the same size and shape as the mold. But they never are, as molders, toolmakers, designers and end users know only too well. Shrinkage means that the size is always different; warpage often changes the shape too. The effects are worse for some plastics than others. Why is that? What can you do about it? The Handbook of Molded Part Shrinkage and Warpage is the first and only book to deal specifically with this fundamental problem. Jerry Fischer’s Handbook explains in plain terms why moldings shrink and warp, shows how additives and reinforcements change the picture, sets out the effect of molding process conditions, and explains why you never can have a single ‘correct’ shrinkage value. It goes on to
demonstrate how to alleviate the problem through careful design of the molded part and the mold, and by proper material selection. It also examines computer-aided methods of forecasting shrinkage and warpage. And most important of all, the Handbook gives you the data you need to work with. Authoritative and rooted in extensive industrial experience, the expert guidance contained in this handbook offers practical understanding to novices, and new insights to readers already skilled in the art of injection molding and mold making. Contains the answers to common problems and detailed advice on how to control mold and post-mold shrinkage and warpage. Case Studies illustrate and enrich the text; Data tables provide the empirical data that is essential for success, but hard to come by.

Handbook of Applied Meteorology UPDATED FOR 2020 WITH A NEW PREFACE BY NATE SILVER "One of the more momentous books of the decade." —The New York Times Book Review Nate Silver built an innovative system for predicting baseball performance, predicted the 2008 election within a hair’s breadth, and became a national sensation as a blogger—all by the time he was thirty. He solidified his standing as the nation’s foremost political forecaster with his near perfect prediction of the 2012 election. Silver is the founder and editor in chief of the website FiveThirtyEight. Drawing on his own groundbreaking work, Silver examines the world of prediction, investigating how we can distinguish a true signal from a universe of noisy data. Most predictions fail, often at great cost to society, because most of us have a poor understanding of probability and uncertainty. Both experts and laypeople mistake more confident predictions for more accurate ones. But overconfidence is often the reason for failure. If our appreciation of uncertainty improves, our predictions can get better too. This is the “prediction paradox”: The more humility we have about our ability to make predictions, the more successful we can be in planning for the future. In keeping with his own aim to seek truth from data, Silver visits the most successful forecasters in a range of areas, from hurricanes to baseball to global pandemics, from the poker table to the stock market, from Capitol Hill to the NBA. He explains and evaluates how these forecasters think and what bonds they share. What lies behind their success? Are they good—or just lucky? What patterns have they unraveled? And are their forecasts really right? He explores unanticipated commonalities and exposes unexpected juxtapositions. And sometimes, it is not so much how good a prediction is in an absolute sense that matters but how good it is relative to the competition. In other cases, prediction is still a very rudimentary—and dangerous—science. Silver observes that the most accurate forecasters tend to have a superior command of probability, and they tend to be both humble and hardworking. They distinguish the predictable from the unpredictable, and they notice a thousand little details that lead them closer to the truth. Because of their appreciation of probability, they can distinguish the signal from the noise. With everything from the health of the global economy to our ability to fight terrorism dependent on the quality of our predictions, Nate Silver’s insights are an essential read.

Forecasting: principles and practice A cutting-edge guide to quantum trading Original and thought-provoking, Quantum Trading presents a compelling new way to look at technical analysis and will help you use the proven principles of modern physics to
forecast financial markets. In it, author Fabio Oreste shows how both the theory of
relativity and quantum physics is required to make sense of price behavior and forecast
intermediate and long-term tops and bottoms. He relates his work to that of legendary
trader W.D. Gann and reveals how Gann’s somewhat esoteric theories are consistent
with his applications of Einstein’s theory of relativity and quantum theory to price
behavior. Applies concepts from modern science to financial market forecasting Shows
how to generate support/resistance areas and identify potential market turning points
Addresses how non-linear approaches to trading can be used to both understand and
forecast market prices While no trading approach is perfect, the techniques found within
these pages have enabled the author to achieve a very attractive annual return since
2002. See what his insights can do for you.

Handbook of Ratings Handbook of Neural Computation explores neural computation
applications, ranging from conventional fields of mechanical and civil engineering, to
electronics, electrical engineering and computer science. This book covers the numerous
applications of artificial and deep neural networks and their uses in learning machines,
including image and speech recognition, natural language processing and risk analysis.
Edited by renowned authorities in this field, this work is comprised of articles from
reputable industry and academic scholars and experts from around the world. Each
contributor presents a specific research issue with its recent and future trends. As the
demand rises in the engineering and medical industries for neural networks and other
machine learning methods to solve different types of operations, such as data prediction,
classification of images, analysis of big data, and intelligent decision-making, this book
provides readers with the latest, cutting-edge research in one comprehensive text.
Features high-quality research articles on multivariate adaptive regression splines, the
minimax probability machine, and more Discusses machine learning techniques,
including classification, clustering, regression, web mining, information retrieval and
natural language processing Covers supervised, unsupervised, reinforced, ensemble,
and nature-inspired learning methods

Handbook of Neural Computation Solar Energy Forecasting and Resource Assessment
is a vital text for solar energy professionals, addressing a critical gap in the core
literature of the field. As major barriers to solar energy implementation, such as
materials cost and low conversion efficiency, continue to fall, issues of intermittency and
reliability have come to the fore. Scrutiny from solar project developers and their
financiers on the accuracy of long-term resource projections and grid operators’
concerns about variable short-term power generation have made the field of solar
forecasting and resource assessment pivotally important. This volume provides an
authoritative voice on the topic, incorporating contributions from an internationally
recognized group of top authors from both industry and academia, focused on providing
information from underlying scientific fundamentals to practical applications and
emphasizing the latest technological developments driving this discipline forward. The
only reference dedicated to forecasting and assessing solar resources enables a complete
understanding of the state of the art from the world’s most renowned experts.
Demonstrates how to derive reliable data on solar resource availability and variability at
specific locations to support accurate prediction of solar plant performance and attendant financial analysis. Provides cutting-edge information on recent advances in solar forecasting through monitoring, satellite and ground remote sensing, and numerical weather prediction.

The Rivers Handbook This volume includes over 30 chapters, written by experts from around the world. It examines the environmental aspects of drought such as groundwater and soil contamination, river low-flow, urban water quality, and desertification. It also examines the effects of climate change and variability on drought, and discusses the differences in groundwater, rainfall, and temperatures and their related effects. It presents analytical modeling for better understanding drought in uncertain and changing climates.

Principles of Forecasting This handbook summarises knowledge from experts and empirical studies. It provides guidelines that can be applied in fields such as economics, sociology, and psychology. Includes a comprehensive forecasting dictionary.

Handbook of Drought and Water Scarcity The 21st century has brought about many changes in the economic realm due to acceleration of globalization. The competitive landscape in numerous areas must always be reinvented to account for these changes, therefore making different marketing efforts a requirement for long-term success. The Handbook of Research on Effective Marketing in Contemporary Globalism provides readers with an understanding of the importance of marketing products and services across different cultures and languages in an era of high global competition. Intensified globalization, shifting demographics, and rapid innovations in technology and productivity solidify this publication’s importance to scholar-practitioners, business executives, and undergraduate/graduate students.

The Signal and the Noise Looks at the principles and clean code, includes case studies showcasing the practices of writing clean code, and contains a list of heuristics and "smells" accumulated from the process of writing clean code.

Handbook of Textile Design This handbook presents a systematic overview of approaches to, diversity, and problems involved in interdisciplinary rating methodologies. Historically, the purpose of ratings is to achieve information transparency regarding a given body’s activities, whether in the field of finance, banking, or sports for example. This book focuses on commonly used rating methods in three important fields: finance, sports, and the social sector. In the world of finance, investment decisions are largely shaped by how positively or negatively economies or financial instruments are rated. Ratings have thus become a basis of trust for investors. Similarly, sports evaluation and funding are largely based on core ratings. From local communities to groups of nations, public investment and funding are also dependent on how these bodies are continuously rated against expected performance targets. As such, ratings need to reflect the consensus of all stakeholders on selected aspects of the work and how to evaluate their success. The public should also have the opportunity to
participate in this process. The authors examine current rating approaches from a variety of proposals that are closest to the public consensus, analyzing the rating models and summarizing the methods of their construction. This handbook offers a valuable reference guide for managers, analysts, economists, business informatics specialists, and researchers alike.

Handbook of Computational Econometrics Don't simply show your data—tell a story with it! Storytelling with Data teaches you the fundamentals of data visualization and how to communicate effectively with data. You'll discover the power of storytelling and the way to make data a pivotal point in your story. The lessons in this illuminative text are grounded in theory, but made accessible through numerous real-world examples—ready for immediate application to your next graph or presentation. Storytelling is not an inherent skill, especially when it comes to data visualization, and the tools at our disposal don't make it any easier. This book demonstrates how to go beyond conventional tools to reach the root of your data, and how to use your data to create an engaging, informative, compelling story. Specifically, you'll learn how to:
- Understand the importance of context and audience
- Determine the appropriate type of graph for your situation
- Recognize and eliminate the clutter clouding your information
- Direct your audience's attention to the most important parts of your data
- Think like a designer and utilize concepts of design in data visualization
- Leverage the power of storytelling to help your message resonate with your audience

Together, the lessons in this book will help you turn your data into high impact visual stories that stick with your audience. Rid your world of ineffective graphs, one exploding 3D pie chart at a time. There is a story in your data—Storytelling with Data will give you the skills and power to tell it!

The Nine Principles of Agile Planning Forecasting is required in many situations. Stocking an inventory may require forecasts of demand months in advance. Telecommunication routing requires traffic forecasts a few minutes ahead. Whatever the circumstances or time horizons involved, forecasting is an important aid in effective and efficient planning. This textbook provides a comprehensive introduction to forecasting methods and presents enough information about each method for readers to use them sensibly.

Demand Management Best Practices Well Productivity Handbook: Vertical, Fractured, Horizontal, Multilateral, Multi-fractured, and Radial-Fractured Wells, Second Edition delivers updated examples and solutions for oil and gas well management projects. Starting with the estimation of fluid and reservoir properties, the content then discusses the modeling of inflow performance in wells producing different types of fluids. In addition, it describes the principle of well productivity analysis to show how to predict productivity of wells with simple trajectories. Then advancing into more complex trajectories, this new edition demonstrates how to predict productivity for more challenging wells, such as multi-lateral, multi-fractured and radial-fractured. Rounding out with sample problems to solve and future references to pursue, this book continues to give reservoir and production engineers the tools needed to tackle the full spectrum of...
completion types. Covers the full range of completion projects, from simple to unconventional, including multi-layer and multi-fractured well deliverability. Includes practice examples to calculate, future references, and summaries at the end of every chapter. Updated throughout, with complex well trajectories, new case studies and essential derivations.

Principles of Business Forecasting--2nd Ed. Comprehensively covers all aspects of long-range forecasting methods relevant to the social, behavioral and management sciences. This book is a synthesis of research in economics, sociology, psychology, transportation, education, and management--with occasional references to work in medicine, meteorology, and technology. Describes a variety of forecasting methods, their strengths and weaknesses, and how to use them effectively, shows how to structure a forecasting problem, and gives detailed procedures for evaluating forecasting models in order to select the appropriate method for a particular problem. Draws upon material from approximately 1300 books and articles, and includes original research by author.

Handbook of Probabilistic Models: This handbook presents, for the first time, an authoritative, comprehensive reference on meteorological knowledge and technology. Designed for professionals and technicians outside the meteorological profession, this broad-ranging book offers general guidelines for those who need information on the effects of weather, e.g., on heating requirements and structural strength. Discusses the importance of meteorology in engineering and science as well as its general importance in society.

Handbook of Statistical Analysis and Data Mining Applications: This handbook carefully examines the application of advanced probabilistic models in conventional engineering fields. In this comprehensive handbook, practitioners, researchers and scientists will find detailed explanations of technical concepts, applications of the proposed methods, and the respective scientific approaches needed to solve the problem. This book provides an interdisciplinary approach that creates advanced probabilistic models for engineering fields, ranging from conventional fields of mechanical engineering and civil engineering, to electronics, electrical, earth sciences, climate, agriculture, water resource, mathematical sciences and computer sciences. Specific topics covered include minimax probability machine regression, stochastic finite element method, relevance vector machine, logistic regression, Monte Carlo simulations, random matrix, Gaussian process regression, Kalman filter, stochastic optimization, maximum likelihood, Bayesian inference, Bayesian update, kriging, copula-statistical models, and more. Explains the application of advanced probabilistic models encompassing multidisciplinary research. Applies probabilistic modeling to emerging areas in engineering. Provides an interdisciplinary approach to probabilistic models and their applications, thus solving a wide range of practical problems.

Valuation: The Nine Principles of Agile Planning teaches CFOs, CAOs, CIOs, and Finance leaders the secret to building nimble and dynamic forecasts within their
organizations. The Nine Principles blend real-world processes, people, and cloud tech to get your business forecasting the right way. By adopting the Nine Principles, you can create world-class forecasting that reacts to real-time changes in your business and reduces risk. You will be a forecasting hero! Many CFOs and Finance teams fail their organizations with slow and cumbersome forecasting and budgeting cycles that have limited adoption beyond Finance. Investing in a new forecasting process will take money, people, and time, with a significant opportunity cost of not working on other things. This investment is no different from developing a new product, building a factory, or hiring staff. Any business investment like this must earn an ROI. The Nine Principles of Agile Planning is a framework to give you the greatest chance of success of achieving this ROI by building a forecasting process to provide real operational value that helps run the organization on a day-to-day basis. Learn the latest strategies: Get forecasting closer to your front line business teams, linking variable items to operational activity levels, planning by initiative, evaluating strategic big-bets, using modular planning, choosing a modern cloud planning tool, finding an expert, getting away from financial statement-centered forecasting, and using real-time IoT data to build operational early-warning systems. Make forecasting easy for your users by adopting the latest automation technologies and learn how you can automatically alert your planners when there is a trend that requires their attention. If you are evaluating cloud planning technologies from Adaptive, Anaplan, OneStream, Oracle EPM (Hyperion), Planful, or SAP's cloud-based planning technologies, the Nine Principles is the must-read guide to select the right tools, processes, and consultants to create agile and nimble planning in your organization. Use this chance to develop an Agile Planning philosophy that encourages rapid development of plans that can be quickly iterated, are easy to understand, and actionable. Take advantage of the golden age of cloud-based planning tools to facilitate these Agile Planning objectives.

Handbook of Research on Emerging Innovations in Rail Transportation Engineering

Effective demand management is becoming critical to a company's profitability. Demand Management Best Practices: Process, Principles, and Collaboration provides best practice solutions that will improve overall business performance for supply chain partners and all functions within a company impacted by the demand management process. The