

2nd Edition

MULTIPLY your chances of learning STATISTICS Trying to understand statistics but feeling a bit uncertain? Here's your solution. Statistics Demystified, Second Edition helps you master this fundamental topic with ease. Written in a step-by-step format, this practical guide begins by reviewing background mathematics, probability basics, and descriptive measures. The book goes on to demonstrate statistics in action with coverage of sampling, estimation, hypotheses, prediction, regression, correlation, causation, order, and chaos. Detailed examples, concise explanations, and worked-out problems make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning. It's a no-brainer! You'll learn about: The probability fallacy Random sampling Estimation Assumptions and testing Chaos, bounds, and randomness Variance and standard deviation Correlation and cause/effect relations The use of statistics in medicine, law, math, and engineering Simple enough for a beginner, but challenging enough for an advanced student, Statistics Demystified, Second Edition helps you master this essential subject.

Written by two practicing electrical engineers, this second edition of the bestselling Protection of Electricity Distribution Networks offers both practical and theoretical coverage of the technologies, from the classical electromechanical relays to the new numerical types, which protect equipment on networks and in electrical plants. A properly coordinated protection system is vital to ensure that an electricity distribution network can operate within preset requirements for safety for individual items of equipment, staff and public, and the network overall. Suitable and reliable equipment should be installed on all circuits and electrical equipment and to do this, protective relays are used to initiate the isolation of faulted sections of a network in order to maintain supplies elsewhere on the system. This then leads to an improved electricity service with better continuity and quality of supply.

One of the most challenging aspects on projects is managing stakeholder expectations and getting their commitment and buy-in to the project. Written by an experienced Project Management consultant, trainer and coach, this book will provide you with the know-how, techniques and templates you need to conduct robust stakeholder management on your projects. The approach described here is scalable. On large complex projects, you should perform rigorous and robust stakeholder management. On smaller, less complex projects, you need to apply the spirit of the method. Stakeholder engagement is one of the most important keys to successful projects. Having a tried-and-tested set of stakeholder management tools is essential for all project managers. This book provides an essential and up-to-date toolkit for project managers to identify, assess and engage their stakeholders. It is packed with free-to-use tools and templates that experienced project managers use to successfully manage their stakeholders. No waffle, page filling theory or unnecessary padding. Practical. Relevant. Useful.

This second edition is a must-read for today's mathematics teachers offering research-based strategies and best practices that are critical and highly effective in mathematics instruction. This invaluable resource provides practical suggestions, resources, and templates to support the areas of classroom management, instructional planning, content and practice standard implementation, assessment, and differentiation, as well as methods to build students' conceptual understanding. It also guides teachers in using the Professional Learning Community model effectively in order to support professional growth and student achievement. With a focus on student thinking and learning, this book is an essential guide for all educators.

Get complete instructions for manipulating, processing, cleaning, and crunching datasets in Python. Updated for Python 3.6, the second edition of this hands-on guide is packed with practical case studies that show you how to solve a broad set of data analysis problems effectively. You'll learn the latest versions of pandas, NumPy, IPython, and Jupyter in the process. Written by Wes McKinney, the creator of the Python pandas project, this book is a practical, modern introduction to data science tools in Python. It's ideal for analysts new to Python and for Python programmers new to data science and scientific computing. Data files and related material are available on GitHub. Use the IPython shell and Jupyter notebook for exploratory computing Learn basic and advanced features in NumPy (Numerical Python) Get started with data analysis tools in the pandas library Use flexible tools to load, clean, transform, merge, and reshape data Create informative visualizations with matplotlib Apply the pandas groupby facility to slice, dice, and summarize datasets Analyze and manipulate regular and irregular time series data Learn how to solve real-world data analysis problems with thorough, detailed examples

Sponsoring Change applies to all types of organisations and sectors. Its use will improve governance, bringing greater rewards to organisations undertaking significant projects as well as to their owners and to wider stakeholders.

Financial Economics, Risk and Information presents the fundamentals of finance in static and dynamic frameworks with focus on risk and information. The objective of this book is to introduce undergraduate and first-year graduate students to the methods and solutions of the main problems in finance theory relating to the economics of uncertainty and information. The main goal of the second edition is to make the materials more accessible to a wider audience of students and finance professionals. The focus is on developing a core body of theory that will provide the student with a solid intellectual foundation for more advanced topics and methods. The new edition has streamlined chapters and topics, with new sections on portfolio choice under alternative information structures. The starting point is the traditional mean-variance approach, followed by portfolio choice from first principles. The topics are extended to alternative market structures, alternative contractual arrangements and agency, dynamic stochastic general equilibrium in discrete and continuous time, attitudes towards risk and towards inter-temporal substitution in discrete and continuous time; and option pricing. In general, the book presents a balanced introduction to the use of stochastic methods in discrete and continuous time in the field of financial economics.

Six years ago, Infrastructure as Code was a new concept. Today, as even banks and other conservative organizations plan moves to the cloud, development teams for companies worldwide are attempting to build large infrastructure codebases. With this practical book, Kief Morris of ThoughtWorks shows you how to effectively use principles, practices, and patterns pioneered by DevOps teams to manage cloud-age infrastructure. Ideal for system administrators, infrastructure engineers, software developers, team leads, and architects, this updated edition demonstrates how you can exploit cloud and automation technology to make changes easily, safely, quickly, and responsibly. You'll learn how to define everything as code and apply software design and engineering practices to build your system from small, loosely coupled pieces. This book covers: Foundations: Use Infrastructure as Code to drive continuous change and raise the bar of operational quality, using tools and technologies to build cloud-based platforms Working with infrastructure stacks: Learn how to define, provision, test, and continuously deliver changes to infrastructure resources Working with servers and other platforms: Use patterns to design provisioning and configuration of servers and clusters Working with large systems and teams: Learn workflows, governance, and architectural patterns to create and manage infrastructure elements

[Reinforcement Learning](#)

[Hand Embroidery Stitches for Everyone, 2nd Edition](#)

[Creative Dance for All Ages 2nd Edition](#)

[Engineering Geology, 2nd Edition](#)

[SCM Studyguide: Liturgy, 2nd Edition](#)

[Enterprise Risk Management](#)

[A Path Integral Approach](#)

[Governing And Managing Knowledge In Asia \(2nd Edition\)](#)

[Theory, History, and Policy Second Edition](#)

[Infrastructure as Code](#)

[Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow](#)

[Rhythmic structure in Iranian music](#)

The bestselling CBT self - help guide that has helped thousands live life free from anxiety. Now with new, easy - to - read page layouts

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Provides information on ways to use Wireshark to capture and analyze packets, covering such topics as building customized capture and display filters, graphing traffic patterns, and building statistics and reports.

The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author ' s bestselling Statistics: An Introduction using R, The R Book is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

" The Clinical Care Classification (CCC) System, a national nursing standard, is a respected resource for documenting patient and nursing care plans for the electronic health record (EHR).. This new edition of the Users Guide, written by one of the founders of the CCC System, has been modified to an abridged, easy-to-use version to help nurses learn quickly about the CCC System Version 2.5 and expedite their development of CCC-based plans of care. It clearly explains how to use the CCC System, including a description of the CCC model and examples of patient/nursing plans or care templates with their EHR screens and brief explanations. "

With digital components becoming the commonplace in the education world, educators must learn how to integrate technology into the classroom and step into the digital age of teaching. This updated, second edition resource provides teachers with classroom-tested ideas and resources to enhance instruction and help make the integration of technology a seamless process. Featuring standards-based lessons and topics such as distance learning and virtual school, webquests, blogs and social networking, interactive games, activities, and simulations, this resource will help you have a technologically advanced classroom in no time!

The newest edition to the bestselling The Everything College Cookbook features 300 simple recipes to help beginner chefs cook delicious and healthy meals on a student ' s budget. Just because you ' re a college student doesn ' t mean you have to endure four years of Easy Mac and ramen noodles. Whether it ' s your first day in the dorms or your senior year, there are ways to skip the dining hall and make a variety of quick, easy, and delicious meals from the comfort of your room. This edition of The Everything College Cookbook is packed with 300 recipes perfect for a fast breakfast before your 8 a.m. class or a midnight snack to keep you energized as you pull an all-nighter. Learn to make everything from a Paleo Sweet Potato Hash to 3-Ingredient Vegan Pancakes to Healthy Banana Ice Cream! Whether you only have an Instant Pot and a microwave or a full-sized kitchen, this book has the perfect recipe for you to make a healthy and tasty meal—all while sticking to your student budget!

Through a series of recent breakthroughs, deep learning has boosted the entire field of machine learning. Now, even programmers who know close to nothing about this technology can use simple, efficient tools to implement programs capable of learning from data. This practical book shows you how. By using concrete examples, minimal theory, and two production-ready Python frameworks—Scikit-Learn and TensorFlow—author Aur é lien G é ron helps you gain an intuitive understanding of the concepts and tools for building intelligent systems. You ' ll learn a range of techniques, starting with simple linear regression and progressing to deep neural networks. With exercises in each chapter to help you apply what you ' ve learned, all you need is programming experience to get started. Explore the machine learning landscape, particularly neural nets Use Scikit-Learn to track an example machine-learning project end-to-end Explore several training models, including support vector machines, decision trees, random forests, and ensemble methods Use the TensorFlow library to build and train neural nets Dive into neural net architectures, including convolutional nets, recurrent nets, and deep reinforcement learning Learn techniques for training and scaling deep neural nets

[Stories of Valor and Virtue and the Principles They Teach](#)

[Using Wireshark to Solve Real-world Network Problems](#)

[Hacking, 2nd Edition](#)

[Beyond Extravagance](#)

[300 Easy and Budget-Friendly Recipes for Beginner Cooks](#)

[Financial Economics, Risk And Information \(2nd Edition\)](#)

[Teaching Mathematics Today 2nd Edition](#)

[The R Book](#)

[Theory and Applications Second Edition](#)

[Protection of Electricity Distribution Networks, 2nd Edition](#)

[Sarah's Hand Embroidery Tutorials](#)

[An Introduction](#)

This book provides a comprehensive yet easy coverage of ad hoc and sensor networks and fills the gap of existing literature in this growing field. It emphasizes that there is a major interdependence among various layers of the network protocol stack. Contrary to wired or even one-hop cellular networks, the lack of a fixed infrastructure, the inherent mobility, the wireless channel, and the underlying routing mechanism by ad hoc and sensor networks introduce a number of technological challenges that are difficult to address within the boundaries of a single protocol layer. All existing textbooks on the subject often focus on a specific aspect of the technology, and fail to provide critical insights on cross-layer interdependencies. To fully understand these intriguing networks, one need to grasp specific solutions individually, and also the many interdependencies and cross-layer interactions.

International Finance and Open-Economy Macroeconomics provides a complete theoretical, historical, and policy-focused account of the international financial system that covers all of the standard topics, such as foreign exchange markets, balance of payments accounting, macroeconomic policy in an open economy, exchange rate crises, multinational enterprises, and international financial markets. The book uses the 1944 Bretton Woods Conference as a unifying theme to relate the many controversial issue. It is written in a lively manner to bring real world events into the discussion of all of the concepts, topics, and policy issues. There is also emphasis on the history of economic thought in order to explain how economists in different time periods dealt with international financial issues.

An introduction to hacking describes the techniques of computer hacking, covering such topics as stack-based overflows, format string exploits, network security, cryptographic attacks, and shellcode.

Questions and questioning are key skills in successful learning. The original Q Tasks was instrumental in showing teachers how to give students the tools they need to develop their own questions and build critical thinking and inquiry skills. This new, totally revised edition continues to nurture and advance these crucial skills, and also offers Q-task extensions that introduce digital components that facilitate collaboration and are designed to appeal to tech-savvy students. More than 100 practical, flexible exercises in this remarkable book provide a smorgasbord of choices for teachers to use to help students formulate good questions in an information-rich environment. They put the students at the centre of their own learning as they build the library and research skills that are essential to our information age. Teachers will find innovative ways to help students go beyond memorization and rote learning of facts to focus on personal understanding, and true ownership of the learning experience.

If you've just dragged a dusty old Comtoise long case clock from the back of a dusty old French barn, or if you just want to know more of what goes on behind the dial, this book is for you. The 2nd edition of this popular book is a much expanded 94-page run down on where these clocks came from, who built them and why, and practical help in restoring cases and rebuilding movements. Above all it's about the heart and soul of these light-hearted, friendly and functional works of art. It includes a list of parts of themovement, glossary and a list of Makers, Movers and Shakers. You will find useful facts, figures and photographs relating to the different styles of cases, their construction and the (sometimes quite personal) messages scrawled therein. Also detailed and illustrated are pendulum styles throughout the period and 4 pages on the different designs of brass frontons. As well as a section on the Vineyard wall clock, there is a supplement covering the Swedish Mora clock and Danish Bornholm clock."

A state-of-the-art resource with everything you need for fast ECG interpretation!

This spectacular volume reveals for the first time an exceptional private collection of the most beautiful royal Indian jewels from the Mughal Empire to the British Raj to today. Written by renowned jewelry experts and featuring magnificent original photography by Laziz Hamani, Beyond Extravagance explores the centuries-long tradition of fine jewelry and art objects in India, to contemporary interpretations that continue to evolve today.

This second edition of the classic text directs dance teachers through what they need to know to teach creative dance from pre-K through adult levels in a variety of settings. It includes a sequential curriculum, lesson plans, editable forms, and teacher strategies created by master teacher Anne Green Gilbert.

[PRACTICAL Project Stakeholder Management: Methods, Tools and Templates for Comprehensive Stakeholder Management](#)

[Essential English Skills for the Australian Curriculum Year 9 2nd Edition](#)

[A Royal Collection of Gems and Jewels](#)

[Instabilities, Chaos And Turbulence \(2nd Edition\)](#)

[Effective Minute Taking](#)

[Sponsoring Change](#)

[Leading with Character - 2nd Edition](#)

[My Revision Notes: OCR GCSE \(9-1\) PE 2nd Edition](#)

[Data Wrangling with Pandas, NumPy, and IPython](#)

[The Everything College Cookbook, 2nd Edition](#)

[Statistics DeMYSTiFieD, 2nd Edition](#)

Second Edition

This is a compendium of over 30 tools for the measurement of professional and educational outcomes in nursing. It is a second edition of the award winning series of books on measuring outcomes in nursing. The tools and methods are presented with attention to purpose and utility, conceptual basis, development, testing, and reliability and validity assessments. Major topic areas focus on clinical decision making and performance in education and practice, student outcomes, and research. In most cases the complete measurement instrument is included in the book.

The SCM Studyguide: Liturgy, 2nd Edition is an introduction to liturgy that considers the basic 'buliding blocks' needed to grasp the subject area. It outlines the essential shape and content of Christian worship and explores a range of liturgical dynamics of which both students of liturgy and leaders of liturgy need to be aware. This 2nd edition of the popular Studyguide is fully revised, updated and expanded. The book takes account of new developments in scholarship, engages with new contexts for liturgical celebration (notably, fresh expressions as part of a mixed economy of church), encompasses recent revisions in liturgy and seeks to broaden the engagement beyond the British context to consider the wider global context.

Target success in PE with this proven formula for effective, structured revision; key content coverage is combined with exam-style tasks and practical tips to create a revision guide that students can rely on to review, strengthen and test their knowledge. With My Revision Notes, every student can: Plan and manage a successful revision programme using the topic-by-topic planner Consolidate subject knowledge by working through clear and focused content coverage Test understanding and identify areas for improvement with regular 'Now Test Yourself' tasks and answers Improve exam technique through practice questions, expert tips and examples of typical mistakes to avoid Get exam ready with extra quick quizzes and answers to the practice questions available online

What kind of character strengths must leaders develop in themselves and others to create and sustain extraordinary organizational growth and performance? In this updated and expanded second edition, the author, John J. Sosik, answers this question by reviewing what is known about the connection between authentic transformational leadership and positive psychology. He summarizes a wealth of leadership knowledge in a unique collection of captivating stories about 25 famous leaders from business, history and pop culture: Aung San Suu Kyi, John F. Kennedy, Maya Angelou, Bill Gates, Brian Wilson, Rosa Parks, Martin Luther King, Jr., Joe Namath, Malala Yousafzai, Mother Teresa, Angelina Jolie, Pope Saint John Paul II, Shirley Chisholm, Sheryl Sandberg, Andy Griffith, Margaret Thatcher, Oprah Winfrey, Nelson Mandela, Warren Buffet, Carlos Ghosn, Eleanor Roosevelt, Herb Kelleher, Steve Jobs, Johnny Cash, and Fred Rogers. What do these leaders have in common? Each possesses virtues of wisdom, courage, humanity, justice, temperance, and transcendence and their associated character strengths that form the foundation of their outstanding leadership. Besides generating astonishing results for their organizations, these leaders reaped numerous physical, mental, social and spiritual benefits from their strong character. Their stories teach readers leadership principles that they too can apply to achieve sustainable growth and excellence. The author includes dozens of interesting examples, vivid anecdotes, and clear guidelines to offer readers an in-depth look at how character and virtue forms the moral fiber of authentic transformational leadership. Individuals currently in leadership positions as well as aspiring leaders will find the book's conversational style, fascinating stories, and practical guidelines both useful and inspiring.

Does your ecommerce site attract visitors but fail to convert enough of them into paying customers? Are your sales numbers not where you want? Have you got an ecommerce site but not yet spent any time on improving the design? If it's time to upgrade your website's user experience then Designing Ecommerce Websites is the only book to tell you exactly how to do it. It provides you with 66 guidelines on how to best use every element on each page of an ecommerce website. This book contains the results of a decade's worth of UX design experience, and several years spent consulting with a wide range of different ecommerce startups. It is based on knowledge learned from user behaviour data and running many different usability tests. It tells you what works in reality, not in theory. The book itself was born from teaching the principles in workshops for over four years. These are principles that are useful to a range of job roles (not just designers) and no matter what your experience level. This book will take you step by step through the ecommerce funnel that applies to almost all ecommerce sites via scannable text and simple illustrations. It's a reference book that is designed to be easy to pick up and quickly learn from. Design LANDING pages that stop

users from being confused and bouncing; Create LISTINGS that help your users find a product they actually want to buy; Design PRODUCT pages that don't leave the users with any fears about buying from you; Develop a CHECKOUT flow that results in more successful payments; And learn MORE advice about the other key pages on an ecommerce site. This is the second edition of the book and it features completely rewritten and updated advice for 2019, 15 totally new guidelines, and links to further reading for every guideline (so you can learn even more). The first edition was an Amazon Kindle bestseller in the ecommerce and technology business categories.

Risk is inherent in business. Without risk, there would be no motivation to conduct business. But a key principle is that organizations should accept risks that they are competent enough to deal with, and "outsource" other risks to those who are more competent to deal with them (such as insurance companies). Enterprise Risk Management (2nd Edition) approaches enterprise risk management from the perspectives of accounting, supply chains, and disaster management, in addition to the core perspective of finance. While the first edition included the perspective of information systems, the second edition views this as part of supply chain management or else focused on technological specifics. It discusses analytical tools available to assess risk, such as balanced scorecards, risk matrices, multiple criteria analysis, simulation, data envelopment analysis, and financial risk measures.

Hand Embroidery Stitches for Everyone, 2nd Edition, is the ultimate stitch guide to embroidery, whatever your level of expertise is. At 600 pages, this book is a definitive guide to different stitches for various needlework and crafting projects. It has a Picture Dictionary of 306 hand embroidery stitches, including cross-stitching and needlepoint stitches. The technique to each stitch is explained step-by-step with pictures that can be zoomed-in to see better and bigger. Each stitch comes with a small description along with information on the difficulty level, the uses, and alternate names. All the stitches are neatly categorized into Stitch Families to make it easy for you to choose the best one for your projects. This eBook is interactive with a clickable picture dictionary and links for easy navigation. If you are an absolute beginner, there are three entire sections to orient and prepare you for this art. You will find methods to handle needles, threads, fabric, hoops, and other tools, making it an ideal reference guide. This book also gives interesting information on traditional embroidery forms, and the origin and history of many stitches, which can inspire learners of all levels to explore more. A section on helpful tips is a bonus and gives you information that will make your stitching experience better. What's more? You don't have to worry about how to practice all these stitches. Find a section on easy and printable patterns, making this the all-in-all eBook for hand embroidery. _____ The Hand Embroidery Stitch Book includes:

- 306 hand embroidery stitches with step-by-step photographic illustrations
- A categorized picture dictionary with 20 Stitch Families for easy selection
- Helpful tips for better stitch experience
- Good practices and common mistakes
- All about hand embroidery tools and supplies
- Drawing, tracing, and transferring patterns
- Hooping the fabric, separating the floss, and threading the needle
- Multiple methods for starting and finishing a stitch
- Color wheel and guide for picking colors
- Printable patterns, with stitch guides and ideas
- Sample embroidery for each stitch family
- History and maps of traditional embroidery styles

This text provides information and tips on how to become a professional cheerleader. Tryout tips from the experts ... actual current and former pro cheerleaders, coaches and industry stylists includes: what happens in a pro level cheerleading team tryout; how to dress for the big day; what the judges are looking for; professional makeup and hairstyling tips and techniques; how to take applicatin photos; how to present in interviews and on paper.

[Clinical Care Classification \(CCC\) System Version 2.5, 2nd Edition](#)

[The Art of Exploitation](#)

[Ad Hoc and Sensor Networks](#)

[A UX Design Handbook for Great Online Shops](#)

[Sparkson's Illustrated Guide to ECG Interpretation, 2nd Edition](#)

[Designing Ecommerce Websites](#)

[Practical Packet Analysis, 2nd Edition](#)

[Measurement of Nursing Outcomes, 2nd Edition](#)

[Field Theory](#)

[Python for Data Analysis](#)

[A Guide to the Governance Aspects of Project Sponsorship](#)

The field of knowledge for development now occupies a top position on the agenda of all Asian governments as well as large development organizations. This book reflects this mega-trend of development towards KBEs (Knowledge Based Economies). For this 2nd edition all chapters have been thoroughly edited and data, tables and graphs have been updated to reflect the latest available statistics. Trends have been re-evaluated and adjusted to reflect recent developments in the fast-moving scene of knowledge governance and knowledge management.

This book (2nd edition) is a self-contained introduction to a wide body of knowledge on nonlinear dynamics and chaos. Manneville emphasises the understanding of basic concepts and the nontrivial character of nonlinear response, contrasting it with the intuitively simple linear response. He explains the theoretical framework using pedagogical examples from fluid dynamics, though prior knowledge of this field is not required. Heuristic arguments and worked examples replace most esoteric technicalities. Only basic understanding of mathematics and physics is required, at the level of what is currently known after one or two years of undergraduate training: elementary calculus, basic notions of linear algebra and ordinary differential calculus, and a few fundamental physical equations (specific complements are provided when necessary). Methods presented are of fully general use, which opens up ample windows on topics of contemporary interest. These include complex dynamical processes such as patterning, chaos control, mixing, and even the Earth's climate. Numerical simulations are proposed as a means to obtain deeper understanding of the intricacies induced by nonlinearities in our everyday environment, with hints on adapted modelling strategies and their implementation./a

Engineering Geology is a multidisciplinary subject that interacts with other disciplines, such as mineralogy, petrology, structural geology, hydrogeology, seismic engineering, rock engineering, soil mechanics, geophysics, remote sensing (RS-GIS-GPS) and environmental geology. This book is the only one of its kind in the Indian market that caters to the students of all these subjects. Engineers require a deep understanding, interpretation and analyses of earth sciences before suggesting engineering designs and remedial measures to combat natural disasters, such as earthquakes, volcanoes, landslides, debris flows, tsunamis and floods. This book covers all aspects of engineering geology and is intended to serve as a reference for practicing civil engineers, geotechnical engineers, marine engineers, geologists and mining engineers. Engineering Geology has also been designed as a textbook for students pursuing undergraduate and postgraduate courses in advanced/applied geology and earth sciences. A plethora of examples and case studies relevant to the Indian context have been included for better understanding of the geological challenges faced by engineers. New in this Edition

- The concept of watershed and the depiction of watershed atlas of India
- Latest findings by the Indian Bureau of Mines
- Recent developments in coastal engineering and innovative structures
- New types of protective structures to guard against tsunamis
- Role of geology in building smart cities
- Environmental legislation in India

The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

[A Self-help Guide Using Cognitive Behavioral Techniques \(16pt Large Print Edition\)](#)

[Teaching Social Studies Today 2nd Edition](#)

[International Finance and Open-Economy Macroeconomics](#)

[Overcoming Anxiety](#)

[Concepts, Tools, and Techniques to Build Intelligent Systems](#)

[Volume 1: Measuring Nursing Performance in Practice, Education, and Research](#)

[Q Tasks, 2nd Edition](#)

[Integrating Technology into the Curriculum 2nd Edition](#)

[User's Guide](#)

[The Ultimate Guide to Becoming a Pro Cheerleader, 2nd Edition](#)

[How to empower students to ask questions and care about answers](#)

[Comtoise 2nd Edition](#)