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Microsoft Azure Security Center Yuri Diogenes 2018-06-04 Discover high-value Azure security insights, tips, and operational optimizations This book presents comprehensive Azure Security Center techniques for safeguarding cloud and hybrid environments. Leading Microsoft security and cloud experts Yuri Diogenes and Dr. Thomas Shinder show how to apply Azure Security Center's full spectrum of features and capabilities to address protection, detection, and response in key operational scenarios. You'll learn how to secure any Azure workload, and optimize virtually all facets of modern security, from policies and identity to incident response and risk management. Whatever your role in Azure security, you'll learn how to save hours, days, or even weeks by solving problems in most efficient, reliable ways possible. Two of Microsoft's leading cloud security experts show how to: • Assess the impact of cloud and hybrid environments on security, compliance, operations, data protection, and risk management • Master a new security paradigm for a world without traditional perimeters • Gain visibility and control to secure compute, network, storage, and application workloads • Incorporate Azure Security Center into your security operations center • Integrate Azure Security Center with Azure AD Identity Protection Center and third-party solutions • Adapt Azure Security Center's built-in policies and definitions for your organization • Perform security

assessments and implement Azure Security Center recommendations • Use incident response features to detect, investigate, and address threats • Create high-fidelity fusion alerts to focus attention on your most urgent security issues • Implement application whitelisting and just-in-time VM access • Monitor user behavior and access, and investigate compromised or misused credentials • Customize and perform operating system security baseline assessments • Leverage integrated threat intelligence to identify known bad actors

Social Science Research Anol Bhattacharjee 2012-04-01 This book is designed to introduce doctoral and graduate students to the process of conducting scientific research in the social sciences, business, education, public health, and related disciplines. It is a one-stop, comprehensive, and compact source for foundational concepts in behavioral research, and can serve as a stand-alone text or as a supplement to research readings in any doctoral seminar or research methods class. This book is currently used as a research text at universities on six continents and will shortly be available in nine different languages.

Universal Design 2021: From Special to Mainstream Solutions I. Verma 2021-07 Universal Design is a process for creating an equitable and sustainable society. It is a concept committed to recognizing and accepting each individual's potential and characteristics, and promoting the realization of a built

environment that does not stigmatize users, but enables everyone to participate fully in their community. This book presents 32 articles from the 5th International Conference on Universal Design (UD2021). Previous Universal Design conferences have been organized biennially, but the 2020 conference was postponed due to COVID-19 restrictions, and eventually held online from 9 - 11 June 2021. UD2021 brings together a multidisciplinary group of experts from around the world to share knowledge and best practice with the common goal of shaping the way we design; avoiding stereotyped or discriminatory views and solutions that could stigmatize particular groups of people. The articles are organized into chapters under seven broad themes: universal design and inclusive design; user experience and co-design; access to education and learning environment; web accessibility and usability of technology; architecture and the built environment; mobility and transport; and designing for older people. The current situation has highlighted not only the importance of web accessibility, the user-friendliness of interfaces and remote connections; during the last year, the importance and quality of our daily living environment, access to services and green space has also become ever more obvious. This book will be of particular interest to those working to enable all those with disabilities or impairments to live independently and participate fully in all aspects of life.

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2002-08

Machine Learning for Absolute

Beginners Oliver Theobald 2018 "The manner in which computers are now able to mimic human thinking to process information is rapidly exceeding human capabilities in everything from chess to picking the winner of a song contest. In the modern age of machine learning, computers do not strictly need to receive an 'input command' to perform a task, but rather 'input data'. From the input of data they are able to form their own decisions and take

actions virtually as a human world. But given it is a machine, it can consider many more scenarios and execute far more complicated calculations to solve complex problems. This is the element that excites data scientists and machine learning engineers the most. The ability to solve complex problems never before attempted. This book will dive in to introduce machine learning, and is ideal for beginners starting out in machine learning."-- page 4 of cover.

Microsoft Project 2016 Step by Step
Carl Chatfield 2016-02-25 The quick way to learn Microsoft Project 2016! This is learning made easy. Get more done quickly with Project 2016. Jump in wherever you need answers-brisk lessons and colorful screenshots show you exactly what to do, step by step. Quickly start a new plan, build task lists, and assign resources Share your plan and track your progress Capture and fine-tune work and cost details Use Gantt charts and other views and reports to visualize project schedules Share resources across multiple plans and consolidate projects Master project management best practices while you learn Project Look up just the tasks and lessons you need

Assessment of Learning Outcomes in Higher Education
Olga Zlatkin-Troitschanskaia 2018-03-22 This book offers a comprehensive overview of current, innovative approaches to assessing generic and domain-specific learning outcomes in higher education at both national and international levels. It discusses the most significant initiatives over the past decade to develop objective, valid, and reliable assessment tools and presents state-of-the-art procedures to adapt and validate them for use in other countries. The authors highlight key conceptual and methodological challenges connected with intra-national and cross-national assessment of learning outcomes in higher education; introduce novel approaches to improving assessment, evaluation, testing, and measurement practices; and offer exemplary implementation frameworks. Further, they examine the

results of and lessons learned from various recent, world-renowned research programs and feasibility studies, and present results from their own studies to provide new insights into how to draw valid conclusions about learning outcomes achieved in various contexts.

MCSE Michael Moncur 1998 A companion volume to MCSE: The Core Exams in a Nutshell covers the most important and popular elective exams for the MCSE as well as the Internet requirements and electives for the MCSE+Internet. Original. (Advanced).

MCSE: Windows 2000 Exams in a Nutshell Michael Moncur 2001-02-16 Covers the Windows 2000 Professional, Windows 2000 Server, Network Infrastructure Implementation, Directory Services Infrastructure Implementation, Directory Services Infrastructure Design, Network Infrastructure Design, and Security Design (70-220) exams

MOS 2016 Study Guide for Microsoft PowerPoint Joan Lambert 2016-11-04 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Advance your everyday proficiency with PowerPoint 2016. And earn the credential that proves it! Demonstrate your expertise with Microsoft PowerPoint! Designed to help you practice and prepare for Microsoft Office Specialist (MOS): PowerPoint 2016 certification, this official Study Guide delivers: In-depth preparation for each MOS objective Detailed procedures to help build the skills measured by the exam Hands-on tasks to practice what you've learned Practice files and sample solutions Sharpen the skills measured by these objectives: Create and manage presentations Insert and format text, shapes, and images Insert tables, charts, SmartArt, and media Apply transitions and animations Manage multiple presentations About MOS A Microsoft Office Specialist (MOS) certification validates your proficiency with Microsoft Office programs, demonstrating that you can meet globally recognized performance standards. Hands-on experience with

the technology is required to successfully pass Microsoft Certification exams.

CompTIA A+ Complete Practice Tests Jeff T. Parker 2019-06-19 Test your knowledge and know what to expect on A+ exam day **CompTIA A+ Complete Practice Tests, Second Edition** enables you to hone your test-taking skills, focus on challenging areas, and be thoroughly prepared to ace the exam and earn your A+ certification. This essential component of your overall study plan presents nine unique practice tests—and two 90-question bonus tests—covering 100% of the objective domains for both the 220-1001 and 220-1002 exams.

Comprehensive coverage of every essential exam topic ensures that you will know what to expect on exam day and maximize your chances for success. Over 1200 practice questions on topics including hardware, networking, mobile devices, operating systems and procedures, troubleshooting, and more, lets you assess your performance and gain the confidence you need to pass the exam with flying colors. This second edition has been fully updated to reflect the latest best practices and updated exam objectives you will see on the big day. A+ certification is a crucial step in your IT career. Many businesses require this accreditation when hiring computer technicians or validating the skills of current employees. This collection of practice tests allows you to: Access the test bank in the Sybex interactive learning environment Understand the subject matter through clear and accurate answers and explanations of exam objectives Evaluate your exam knowledge and concentrate on problem areas Integrate practice tests with other Sybex review and study guides, including the **CompTIA A+ Complete Study Guide** and the **CompTIA A+ Complete Deluxe Study Guide** Practice tests are an effective way to increase comprehension, strengthen retention, and measure overall knowledge. The **CompTIA A+ Complete Practice Tests, Second Edition** is an indispensable part of any study plan for A+ certification.

Learning OpenCV 3 Adrian Kaehler
2016-12-14 "This book provides a working guide to the C++ Open Source Computer Vision Library (OpenCV) version 3.x and gives a general background on the field of computer vision sufficient to help readers use OpenCV effectively."--Preface.

MCSE Core NT Exams Matthew Shepker
1998 Handy for candidates preparing for the MCSE In the 11th hour, this reference guide is a complete compendium of the concepts covered and necessary to pass the exam. In addition, it includes detailed coverage of the most popular and important elective, TCP/IP.

The Official CompTIA Security+ Self-Paced Study Guide (Exam SY0-601)
CompTIA 2020-11-12 CompTIA Security+ Study Guide (Exam SY0-601)

MCSE 70-293 Training Guide Will Schmier 2003 bull; bull;Thorough instruction and plenty of hands-on experiences designed to help readers pass the 70-293 exam. bull;A complete practice exam and answer key with explanations included in the book. bull;A great reference book with plenty of step-by-step instructions to keep for real-world use. bull;The famous "Fast Facts" tool used for last minute "cramming" and study.

Research Methods in Psychology Beth Moring 2014-06-10 This market-leading text emphasizes future consumers of psychological research, uses real-world examples drawn from popular media, and develops students' critical-thinking skills as they become systematic interrogators of information in their everyday lives.

Software Testing Foundations Andreas Spillner 2014-03-19 Professional testing of software is an essential task that requires a profound knowledge of testing techniques. The International Software Testing Qualifications Board (ISTQB) has developed a universally accepted, international qualification scheme aimed at software and system testing professionals, and has created the Syllabi and Tests for the "Certified Tester." Today about 300,000 people have taken the ISTQB certification exams. The authors of Software Testing Foundations, 4th Edition, are among the creators of the Certified

Tester Syllabus and are currently active in the ISTQB. This thoroughly revised and updated fourth edition covers the "Foundations Level" (entry level) and teaches the most important methods of software testing. It is designed for self-study and provides the information necessary to pass the Certified Tester-Foundations Level exam, version 2011, as defined by the ISTQB. Also in this new edition, technical terms have been precisely stated according to the recently revised and updated ISTQB glossary. Topics covered: Fundamentals of Testing Testing and the Software Lifecycle Static and Dynamic Testing Techniques Test Management Test Tools Also mentioned are some updates to the syllabus that are due in 2015.

A Taxonomy for Learning, Teaching, and Assessing Benjamin Samuel Bloom 2001 This revision of Bloom's taxonomy is designed to help teachers understand and implement standards-based curriculums. Cognitive psychologists, curriculum specialists, teacher educators, and researchers have developed a two-dimensional framework, focusing on knowledge and cognitive processes. In combination, these two define what students are expected to learn in school. It explores curriculums from three unique perspectives-cognitive psychologists (learning emphasis), curriculum specialists and teacher educators (C & I emphasis), and measurement and assessment experts (assessment emphasis). This revisited framework allows you to connect learning in all areas of curriculum. Educators, or others interested in educational psychology or educational methods for grades K-12.

Learning How to Learn Barbara Oakley, PhD 2018-08-07 A surprisingly simple way for students to master any subject--based on one of the world's most popular online courses and the bestselling book A Mind for Numbers A Mind for Numbers and its wildly popular online companion course "Learning How to Learn" have empowered more than two million learners of all ages from around the world to master subjects that they once struggled with. Fans often wish they'd discovered these learning

strategies earlier and ask how they can help their kids master these skills as well. Now in this new book for kids and teens, the authors reveal how to make the most of time spent studying. We all have the tools to learn what might not seem to come naturally to us at first--the secret is to understand how the brain works so we can unlock its power. This book explains:

- Why sometimes letting your mind wander is an important part of the learning process
- How to avoid "rut think" in order to think outside the box
- Why having a poor memory can be a good thing
- The value of metaphors in developing understanding
- A simple, yet powerful, way to stop procrastinating

Filled with illustrations, application questions, and exercises, this book makes learning easy and fun.

Implementing Digital Forensic Readiness Jason Sachowski 2019-05-29
Implementing Digital Forensic Readiness: From Reactive to Proactive Process, Second Edition presents the optimal way for digital forensic and IT security professionals to implement a proactive approach to digital forensics. The book details how digital forensic processes can align strategically with business operations and an already existing information and data security program. Detailing proper collection, preservation, storage, and presentation of digital evidence, the procedures outlined illustrate how digital evidence can be an essential tool in mitigating risk and reducing the impact of both internal and external, digital incidents, disputes, and crimes. By utilizing a digital forensic readiness approach and stances, a company's preparedness and ability to take action quickly and respond as needed. In addition, this approach enhances the ability to gather evidence, as well as the relevance, reliability, and credibility of any such evidence. New chapters to this edition include Chapter 4 on Code of Ethics and Standards, Chapter 5 on Digital Forensics as a Business, and Chapter 10 on Establishing Legal Admissibility. This book offers best

practices to professionals on enhancing their digital forensic program, or how to start and develop one the right way for effective forensic readiness in any corporate or enterprise setting.

Qualitative Research Methods Sarah J. Tracy 2012-11-05
Qualitative Research Methods is a comprehensive, all-inclusive resource for the theory and practice of qualitative/ethnographic research methodology. Serves as a "how-to" guide for qualitative/ethnographic research, detailing how to design a project, conduct interviews and focus groups, interpret and analyze data, and represent it in a compelling manner. Demonstrates how qualitative data can be systematically utilized to address pressing personal, organizational, and social problems. Written in an engaging style, with in-depth examples from the author's own practice. Comprehensive companion website includes sample syllabi, lesson plans, a list of helpful website links, test bank and exam review materials, and exercises and worksheets, available upon publication at <http://www.wiley.com/go/tracy> www.wiley.com/go/tracy/a

Digital Learning, Teaching and Assessment for HE and FE Practitioners Daniel Scott 2022-04-18
An accessible, practical and up-to-date book on digital learning and teaching, relevant for all those involved in teaching and assessment in higher and further education (HE and FE), whatever your academic or vocational specialism. It is essential reading for HE or FE practitioners, or those undertaking level 3, 4 and 5 qualifications in Education and Training, Postgraduate Certificates in Education (PGCEs), Certificates in Education (CertEds) and Postgraduate Certificates in Academic Practice (PGCAPs), as well as those in learning technologist roles. The impact of the Covid-19 pandemic has highlighted the importance of understanding and developing your digital capabilities as a basic competence in order to embrace current digital technologies and pedagogies to improve student

outcomes. This book provides you with the practical knowledge and skills required to source and apply technology enhanced learning, teaching and assessment (TELTA) and adapt traditional learning and teaching materials and approaches for an online environment. It is designed around each aspect of the teaching and training cycle - identifying needs, planning and designing, delivering and facilitating, assessing and evaluating - and also includes:

- how to build a positive and effective relationship with digital technology;
- guidance on topics such as selecting appropriate digital technologies and creating digital and online activities, resources and assessments;
- an emphasis on digital well-being and accessibility issues, and digital leadership;
- ways of keeping up to date and continuing professional development.

BUSN Marcella Kelly 2017-02-21 4LTR Press solutions give students the option to choose the format that best suits their learning preferences. This option is perfect for those students who focus on the textbook as their main course resource. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Jacob Two-Two Meets the Hooded Fang
Mordecai Richler 2009-09-08 Poor
Jacob Two-Two, only two plus two plus two years old and already a prisoner of The Hooded Fang. What had he done to deserve such terrible punishment? Why, the worst crime of all - insulting a grown-up.

EBOOK: Management Information Systems - Global edition James O'Brien 2011-04-16 The benchmark text for the syllabus organised by technology (a week on databases, a week on networks, a week on systems development, etc.) taught from a managerial perspective. O'Brien's Management Information Systems defines technology and then explains how companies use the technology to improve performance. Real world cases finalise the explanation

Superforecasting Philip E. Tetlock 2015-09-29 NEW YORK TIMES BESTSELLER

• NAMED ONE OF THE BEST BOOKS OF THE YEAR BY THE ECONOMIST "The most important book on decision making since Daniel Kahneman's Thinking, Fast and Slow."—Jason Zweig, The Wall Street Journal Everyone would benefit from seeing further into the future, whether buying stocks, crafting policy, launching a new product, or simply planning the week's meals. Unfortunately, people tend to be terrible forecasters. As Wharton professor Philip Tetlock showed in a landmark 2005 study, even experts' predictions are only slightly better than chance. However, an important and underreported conclusion of that study was that some experts do have real foresight, and Tetlock has spent the past decade trying to figure out why. What makes some people so good? And can this talent be taught? In Superforecasting, Tetlock and coauthor Dan Gardner offer a masterwork on prediction, drawing on decades of research and the results of a massive, government-funded forecasting tournament. The Good Judgment Project involves tens of thousands of ordinary people—including a Brooklyn filmmaker, a retired pipe installer, and a former ballroom dancer—who set out to forecast global events. Some of the volunteers have turned out to be astonishingly good. They've beaten other benchmarks, competitors, and prediction markets. They've even beaten the collective judgment of intelligence analysts with access to classified information. They are "superforecasters." In this groundbreaking and accessible book, Tetlock and Gardner show us how we can learn from this elite group. Weaving together stories of forecasting successes (the raid on Osama bin Laden's compound) and failures (the Bay of Pigs) and interviews with a range of high-level decision makers, from David Petraeus to Robert Rubin, they show that good forecasting doesn't require powerful computers or arcane methods. It involves gathering evidence from a variety of sources, thinking probabilistically, working in teams, keeping score, and being willing to admit error and change course.

Superforecasting offers the first demonstrably effective way to improve our ability to predict the future—whether in business, finance, politics, international affairs, or daily life—and is destined to become a modern classic.

The Dead Sea Scrolls Donald T. Ariel 2007 The Dead Sea Scrolls are regarded as perhaps the most important archaeological find of the twentieth century – their importance to the history and development of Judaism and Christianity is unquestionable. This lavishly produced book shows the scrolls in their context, providing translations, pictures, and information on associated finds.

MLA Style Manual and Guide to Scholarly Publishing Joseph Gibaldi 1998 Provides information on stylistic aspects of research papers, theses, and dissertations, including sections on writing fundamentals, MLA documentation style, and copyright law

The Publishers Weekly 2006
Official Google Cloud Certified Professional Cloud Architect Study Guide Dan Sullivan 2019-10-10 Sybex's proven Study Guide format teaches Google Cloud Architect job skills and prepares you for this important new Cloud exam. The Google Cloud Certified Professional Cloud Architect Study Guide is the essential resource for anyone preparing for this highly sought-after, professional-level certification. Clear and accurate chapters cover 100% of exam objectives—helping you gain the knowledge and confidence to succeed on exam day. A pre-book assessment quiz helps you evaluate your skills, while chapter review questions emphasize critical points of learning. Detailed explanations of crucial topics include analyzing and defining technical and business processes, migration planning, and designing storage systems, networks, and compute resources. Written by Dan Sullivan—a well-known author and software architect specializing in analytics, machine learning, and cloud computing—this invaluable study guide includes access to the Sybex

interactive online learning environment, which includes complete practice tests, electronic flash cards, a searchable glossary, and more. Providing services suitable for a wide range of applications, particularly in high-growth areas of analytics and machine learning, Google Cloud is rapidly gaining market share in the cloud computing world. Organizations are seeking certified IT professionals with the ability to deploy and operate infrastructure, services, and networks in the Google Cloud. Take your career to the next level by validating your skills and earning certification. Design and plan cloud solution architecture Manage and provision cloud infrastructure Ensure legal compliance and security standards Understand options for implementing hybrid clouds Develop solutions that meet reliability, business, and technical requirements The Google Cloud Certified Professional Cloud Architect Study Guide is a must-have for IT professionals preparing for certification to deploy and manage Google cloud services.

Pattern Recognition and Machine Learning Christopher M. Bishop 2016-08-23 This is the first textbook on pattern recognition to present the Bayesian viewpoint. The book presents approximate inference algorithms that permit fast approximate answers in situations where exact answers are not feasible. It uses graphical models to describe probability distributions when no other books apply graphical models to machine learning. No previous knowledge of pattern recognition or machine learning concepts is assumed. Familiarity with multivariate calculus and basic linear algebra is required, and some experience in the use of probabilities would be helpful though not essential as the book includes a self-contained introduction to basic probability theory.

20/20 - Bible Study Book Christine Caine 2019-07 Christine Caine is passionate about seeing every woman equipped to live her life on mission for Jesus. In this 7-session study,

you'll develop a new understanding of how God sees you and has chosen you to help make Jesus' name known on this planet. Through biblical teaching and lessons from her own life, Christine will challenge you to share the story of how God's love has transformed your life right where you are. Features: Leader helps to guide questions and discussions within small groups Personal study segments to complete between 7 weeks of group sessions Enriching interactive teaching videos, approximately 30 minutes per session, available for purchase or rent Benefits: Experience the unconditional love and call of Jesus. Discover your inherent value and kingdom mission. Gain confidence to share the living hope of Christ. Help people belong in a world where they feel unseen.

Continuous Integration Paul M. Duvall 2007-06-29 For any software developer who has spent days in "integration hell," cobbling together myriad software components, Continuous Integration: Improving Software Quality and Reducing Risk illustrates how to transform integration from a necessary evil into an everyday part of the development process. The key, as the authors show, is to integrate regularly and often using continuous integration (CI) practices and techniques. The authors first examine the concept of CI and its practices from the ground up and then move on to explore other effective processes performed by CI systems, such as database integration, testing, inspection, deployment, and feedback. Through more than forty CI-related practices using application examples in different languages, readers learn that CI leads to more rapid software development, produces deployable software at every step in the development lifecycle, and reduces the time between defect introduction and detection, saving time and lowering costs. With successful implementation of CI, developers reduce risks and repetitive manual processes, and teams receive better project visibility. The book covers How to make integration a "non-event" on your software development projects How to reduce the amount of

repetitive processes you perform when building your software Practices and techniques for using CI effectively with your teams Reducing the risks of late defect discovery, low-quality software, lack of visibility, and lack of deployable software Assessments of different CI servers and related tools on the market The book's companion Web site, www.integratebutton.com, provides updates and code examples.

Security Policies and Implementation Issues Robert Johnson 2010-10-25 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES! The study of information system security concepts and domains is an essential part of the education of computer science students and professionals alike. *Security Policies and Implementation Issues* offers a comprehensive, end-to-end view of information security policies and frameworks from the raw organizational mechanics of building to the psychology of implementation. It presents an effective balance between technical knowledge and soft skills, and introduces many different concepts of information security in clear simple terms such as governance, regulator mandates, business drivers, legal considerations, and much more. With step-by-step examples and real-world exercises, this book is a must-have resource for students, security officers, auditors, and risk leaders looking to fully understand the process of implementing successful sets of security policies and frameworks.

WHO Guidelines on Hand Hygiene in Health Care World Health Organization 2009 The WHO Guidelines on Hand Hygiene in Health Care provide health-care workers (HCWs), hospital administrators and health authorities with a thorough review of evidence on hand hygiene in health care and specific recommendations to improve practices and reduce transmission of pathogenic microorganisms to patients and HCWs. The present Guidelines are intended to be implemented in any situation in which health care is delivered either to a patient or to a specific group in a population.

Therefore, this concept applies to all settings where health care is permanently or occasionally performed, such as home care by birth attendants. Definitions of health-care settings are proposed in Appendix 1. These Guidelines and the associated WHO Multimodal Hand Hygiene Improvement Strategy and an Implementation Toolkit (<http://www.who.int/gpsc/en/>) are designed to offer health-care facilities in Member States a conceptual framework and practical tools for the application of recommendations in practice at the bedside. While ensuring consistency with the Guidelines recommendations, individual adaptation according to local regulations, settings, needs, and resources is desirable. This extensive review includes in one document sufficient technical information to support training materials and help plan implementation strategies. The document comprises six parts.

Sharepoint 2010 Barcharts, Inc. 2011-05-31 SharePoint 2010 is among the many cutting-edge applications to be found within Microsoft's Office Suite software--our newest 3-panel guide will help you get the most out of this handy tool. The fluff-free content includes important definitions, tips, and step-by-step instructions on how to perform each key function within SharePoint; full-color screen shots are also provided for ease of use.

Probabilistic Machine Learning Kevin P. Murphy 2022-03-01 A detailed and up-to-date introduction to machine learning, presented through the unifying lens of probabilistic modeling and Bayesian decision theory. This book offers a detailed and up-to-date introduction to machine learning (including deep learning) through the unifying lens of probabilistic modeling and Bayesian decision theory. The book covers mathematical background (including linear algebra and optimization), basic supervised learning (including linear and logistic regression and deep neural networks), as well as more advanced topics (including transfer learning

and unsupervised learning). End-of-chapter exercises allow students to apply what they have learned, and an appendix covers notation. Probabilistic Machine Learning grew out of the author's 2012 book, *Machine Learning: A Probabilistic Perspective*. More than just a simple update, this is a completely new book that reflects the dramatic developments in the field since 2012, most notably deep learning. In addition, the new book is accompanied by online Python code, using libraries such as scikit-learn, JAX, PyTorch, and Tensorflow, which can be used to reproduce nearly all the figures; this code can be run inside a web browser using cloud-based notebooks, and provides a practical complement to the theoretical topics discussed in the book. This introductory text will be followed by a sequel that covers more advanced topics, taking the same probabilistic approach.

Research Synthesis and Meta-Analysis

Harris Cooper 2015-12-24 The Fifth Edition of Harris Cooper's bestselling text offers practical advice on how to conduct a synthesis of research in the social, behavioral, and health sciences. The book is written in plain language with four running examples drawn from psychology, education, and health science. With ample coverage of literature searching and the technical aspects of meta-analysis, this one-of-a-kind book applies the basic principles of sound data gathering to the task of producing a comprehensive assessment of existing research.

Transforming Education. Empowering the Students of Today to Create the World of Tomorrow Dof Dickinson 2018-05-18 This guide provides an inspiration and a vision for school leaders. It draws on two decades of global research, data, and experiences, taking an unflinching look at what works, and what doesn't in learning transformation. The result is a short-cut to success. Key concepts, red flags, and powerful questions designed to support transformation at systemic and school level. With insights from thought

leaders to align school stakeholders with modern educational thinking. You'll also find practical help in the form of roadmaps and checklists, as well as recommendations on using technology to teach the future-ready skills that are so vital to today's young people and the success of nations in a global economy. Every school leader should take time to look through this book before attempting transformational change. It is startling, uncomfortable at times, but it rewards you with a solid foundation on which to move forward.

The Coding Manual for Qualitative Researchers Johnny Saldana 2012-10-04
The Second Edition of Johnny Saldana's international bestseller provides an in-depth guide to the multiple approaches available for coding qualitative data. Fully up to date, it includes new chapters, more

coding techniques and an additional glossary. Clear, practical and authoritative, the book: -describes how coding initiates qualitative data analysis -demonstrates the writing of analytic memos -discusses available analytic software -suggests how best to use *The Coding Manual for Qualitative Researchers* for particular studies. In total, 32 coding methods are profiled that can be applied to a range of research genres from grounded theory to phenomenology to narrative inquiry. For each approach, Saldana discusses the method's origins, a description of the method, practical applications, and a clearly illustrated example with analytic follow-up. A unique and invaluable reference for students, teachers, and practitioners of qualitative inquiry, this book is essential reading across the social sciences.