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Multimedia Information Systems V.S. Subrahmanian 1998-06-30 Multimedia Information Systems brings together in one place important contributions and up-to-date research results in this fast moving area. Multimedia Information Systems serves as an excellent reference, providing insight into some of the most challenging research issues in the field.

Theory and Practice of Cryptography Solutions for Secure Information Systems Elçi, Atilla 2013-05-31 Information Systems (IS) are a nearly omnipresent aspect of the modern world, playing crucial roles in the fields of science and engineering, business and law, art and culture, politics and government, and many others. As such, identity theft and unauthorized access to these systems are serious concerns. Theory and Practice of Cryptography Solutions for Secure Information Systems explores current trends in IS security technologies, techniques, and concerns, primarily through the use of cryptographic tools to safeguard valuable information resources. This reference book serves the needs of professionals, academics, and students requiring dedicated information systems free from outside interference, as well as developers of secure IS applications. This book is part of the Advances in Information Security, Privacy, and Ethics series collection.

The Theory That Would Not Die Sharon Bertsch McGrayne 2011-05-17 "This account of how a once reviled theory, Baye's rule, came to underpin modern life is both approachable and engrossing" (Sunday Times). A New York Times Book Review Editors' Choice Bayes' rule appears to be a straightforward, one-line theorem: by updating our initial beliefs with objective new information, we get a new and improved belief. To its adherents, it is an elegant statement about learning from experience. To its opponents, it is subjectivity run amok. In the first-ever account of Bayes' rule for general readers, Sharon Bertsch McGrayne explores this controversial theorem and the generations-long human drama surrounding it. McGrayne traces the rule's discovery by an 18th century amateur mathematician through its development by French scientist Pierre Simon Laplace. She reveals why respected statisticians rendered it professionally taboo for 150 years—while practitioners relied on it to solve crises involving great uncertainty and scanty information, such as Alan Turing's work breaking Germany's Enigma code during World War II. McGrayne also explains how the advent of computer technology in the 1980s proved to be a game-changer. Today, Bayes' rule is used everywhere from DNA de-coding to Homeland Security. Drawing on primary source material and interviews with statisticians and other scientists, The Theory That Would Not Die is the riveting account of how a seemingly simple theorem ignited one of the greatest controversies of all time.

The Perfectionists Simon Winchester 2018-05-08 "Another gem from one of the world's justly celebrated historians specializing in unusual and always fascinating subjects and people." — Booklist (starred review) The revered New York Times bestselling author traces the development of technology from the Industrial Age to the Digital Age to explore the single component crucial to advancement—precision—in a superb history that is both an homage and a warning for our future. The rise of manufacturing could not have happened without an attention to precision. At the dawn of the Industrial Revolution in eighteenth-century England, standards of measurement were established, giving way to the development of machine tools—machines that make machines. Eventually, the application of precision tools and methods resulted in the creation and mass production of items from guns and glass to mirrors, lenses, and cameras—and eventually gave way to further breakthroughs, including gene splicing, microchips, and the Hadron Collider. Simon Winchester takes us back to origins of the Industrial Age, to England where he introduces the scientific minds that helped usher in modern production: John Wilkinson, Henry Maudslay, Joseph Bramah, Jesse Ramsden, and Joseph Whitworth. It was Thomas Jefferson who later exported their discoveries to the fledgling United States, setting the nation on its course to become a manufacturing titan. Winchester moves forward through time, to today's cutting-edge developments occurring around the world, from America to Western Europe to Asia. As he introduces the minds and methods that have changed the modern world, Winchester explores fundamental questions. Why is precision important? What are the different tools we use to measure it? Who has invented and perfected it? Has the pursuit of the ultra-precise in so many facets of human life blinded us to other things of equal value, such as an appreciation for the age-old traditions of craftsmanship, art, and high culture? Are we missing something that reflects the world as it is, rather than the world as we think we would wish it to be? And can the precise and the natural co-exist in society?

Molecular Thermodynamics of Electrolyte Solutions Lloyd L. Lee 2008 The introductory textbook provides an update on electrolyte thermodynamics with a molecular perspective. It is eminently suited as an introduction to the solution thermodynamics of ionic mixtures at the undergraduate and graduate level. It is also invaluable for the understanding and design in the engineering of natural gas treating and adsorption refrigeration with electrolytes.

Deutsche Nationalbibliographie und Bibliographie der im Ausland erschienenen deutschsprachigen Veröffentlichungen 2009

Nonparametric Bayesian Inference in Biostatistics Riten Mitra 2015-07-25 As chapters in this book demonstrate, BNP has important uses in clinical sciences and inference for issues like unknown partitions in genomics. Nonparametric Bayesian approaches (BNP) play an ever expanding role in biostatistical inference

from use in proteomics to clinical trials. Many research problems involve an abundance of data and require flexible and complex probability models beyond the traditional parametric approaches. As this book's expert contributors show, BNP approaches can be the answer. Survival Analysis, in particular survival regression, has traditionally used BNP, but BNP's potential is now very broad. This applies to important tasks like arrangement of patients into clinically meaningful subpopulations and segmenting the genome into functionally distinct regions. This book is designed to both review and introduce application areas for BNP. While existing books provide theoretical foundations, this book connects theory to practice through engaging examples and research questions. Chapters cover: clinical trials, spatial inference, proteomics, genomics, clustering, survival analysis and ROC curve.

How to Write a Good Scientific Paper CHRIS A. MACK 2018 Many scientists and engineers consider themselves poor writers or find the writing process difficult. The good news is that you do not have to be a talented writer to produce a good scientific paper, but you do have to be a careful writer. In particular, writing for a peer-reviewed scientific or engineering journal requires learning and executing a specific formula for presenting scientific work. This book is all about teaching the style and conventions of writing for a peer-reviewed scientific journal. From structure to style, titles to tables, abstracts to author lists, this book gives practical advice about the process of writing a paper and getting it published.

Combinatorial Algorithms for Integrated Circuit Layout 2012-12-06 The last decade has brought explosive growth in the technology for manufac turing integrated circuits. Integrated circuits with several hundred thousand transistors are now commonplace. This manufacturing capability, combined with the economic benefits of large electronic systems, is forcing a revolution in the design of these systems and providing a challenge to those people in terested in integrated system design. Modern circuits are too complex for an individual to comprehend completely. Managing tremendous complexity and automating the design process have become crucial issues. Two groups are interested in dealing with complexity and in developing algorithms to automate the design process. One group is composed of practi tioners in computer-aided design (CAD) who develop computer programs to aid the circuit-design process. The second group is made up of computer scientists and mathemati'::~l\ns who are interested in the design and analysis of efficient combinatorial aJ::,orithms. These two groups have developed separate bodies of literature and, until recently, have had relatively little interaction. An obstacle to bringing these two groups together is the lack of books that discuss issues of importance to both groups in the same context. There are many instances when a familiarity with the literature of the other group would be beneficial. Some practitioners could use known theoretical results to improve their "cut and try" heuristics. In other cases, theoreticians have published impractical or highly abstracted toy formulations, thinking that the latter are important for circuit layout.

Visual Object Recognition Kristen Grauman 2011 The visual recognition problem is central to computer vision research. From robotics to information retrieval, many desired applications demand the ability to identify and localize categories, places, and objects. This tutorial overviews computer vision algorithms for visual object recognition and image classification. We introduce primary representations and learning approaches, with an emphasis on recent advances in the field. The target audience consists of researchers or students working in AI, robotics, or vision who would like to understand what methods and representations are available for these problems. This lecture summarizes what is and isn't possible to do reliably today, and overviews key concepts that could be employed in systems requiring visual categorization.

How to Design Programs, second edition Matthias Felleisen 2018-05-04 A completely revised edition, offering new design recipes for interactive programs and support for images as plain values, testing, event-driven programming, and even distributed programming. This introduction to programming places computer science at the core of a liberal arts education. Unlike other introductory books, it focuses on the program design process, presenting program design guidelines that show the reader how to analyze a problem statement, how to formulate concise goals, how to make up examples, how to develop an outline of the solution, how to finish the program, and how to test it. Because learning to design programs is about the study of principles and the acquisition of transferable skills, the text does not use an off-the-shelf industrial language but presents a tailor-made teaching language. For the same reason, it offers DrRacket, a programming environment for novices that supports playful, feedback-oriented learning. The environment grows with readers as they master the material in the book until it supports a full-fledged language for the whole spectrum of programming tasks. This second edition has been completely revised. While the book continues to teach a systematic approach to program design, the second edition introduces different design recipes for interactive programs with graphical interfaces and batch programs. It also enriches its design recipes for functions with numerous new hints. Finally, the teaching languages and their IDE now come with support for images as plain values, testing, event-driven programming, and even distributed programming.

Chemical Kinetics and Photochemical Data for Use in Stratospheric Modeling National Aeronautics and Space Administration (NASA) 2018-07-23 This is the eleventh in a series of evaluated sets of rate constants and photochemical cross sections compiled by the NASA Panel for Data Evaluation. The primary application of the data is in the modeling of stratospheric processes, with special emphasis on the ozone layer and its possible perturbation by anthropogenic and natural phenomena. Demore, W. B. and Sander, S. P. and Golden, D. M. and Hampson, R. F. and Kurylo, M. J. and Howard, C. J. and Ravishankara, A. R. and Kolb, C. E. and Molina, M. J. Jet Propulsion Laboratory NASA-CR-198863, JPL-PUBL-94-26, NAS 1.26:198863 NAS7-1260; RTOP 464-41-04-01-00...

Cannabis sativa L. - Botany and Biotechnology Suman Chandra 2017-05-23 This book highlights current Cannabis research: its botany, authentication, biotechnology, in vitro propagation, chemistry, cannabinoids biosynthesis, metabolomics, genomics, biomass production, quality control, and pharmacology. Cannabis sativa L. (Family: Cannabaceae) is one of the oldest sources of fiber, food and medicine. This plant has been of interest to researchers, general public and media not only due to its medicinal properties but also the controversy surrounding its illicit use. Cannabis has a long history of medicinal use in the Middle East and Asia, being first introduced as a medicine in Western Europe in the early 19th century. Due to its numerous natural constituents, Cannabis is considered a chemically complex species. It contains a unique class of terpeno-phenolic compounds (cannabinoids or phytocannabinoids), which have been extensively studied since the discovery of the chemical structure of tetrah ydrocannabinol (Δ9-THC), commonly known as THC, the main constituent responsible for the plant’s psychoactive effects. An additionally important cannabinoid of current interest is Cannabidiol (CBD). There has been a significant interest in CBD and CBD oil (extract of CBD rich Cannabis) over the last few years because of its reported activity as an antiepileptic agent, particularly its potential use in the treatment of intractable epilepsy in children.

Discovery Science Annalisa Appice 2020-10-14 This book constitutes the proceedings of the 23rd International Conference on Discovery Science, DS 2020, which took place during October 19-21, 2020. The conference was planned to take place in Thessaloniki, Greece, but had to change to an online format due to the COVID-19 pandemic. The 26 full and 19 short papers presented in this volume were carefully reviewed and selected from 76 submissions. The contributions were organized in topical sections named: classification; clustering; data and knowledge representation; data streams; distributed processing; ensembles; explainable and interpretable machine learning; graph and network mining; multi-target models; neural networks and deep learning; and spatial, temporal and spatiotemporal data.

Information and Communications Security Debin Gao 2021-09-17 This two-volume set LNCS 12918 - 12919 constitutes the refereed proceedings of the 23nd International Conference on Information and Communications Security, ICICS 2021, held in Chongqing, China, in September 2021. The 49 revised full papers presented in the book were carefully selected from 182 submissions. The papers in Part I are organized in the following thematic blocks: blockchain and federated learning; malware analysis and detection; IoT security; software security; Internet security; data-driven cybersecurity.

Computer Security - ESORICS 2010 Dimitris Gritzalis 2010-09-02 The EuropeanSymposium on Researchin Computer Security (ESORICS) has a tradition that goes back two decades. It tries to bring together the international research community in a top-quality event that covers all the areas of computer security, ranging from theory to applications. ESORICS 2010 was the 15th edition of the event. It was held in Athens, Greece, September 20-22, 2010. The conference received 201 submissions. The papers went through a careful review process. In a ?rst round, each paper - ceived three independent reviews. For the majority of the papers an electronic discussion was also organized to arrive at the ?nal decision. As a result of the review process, 42 papers were selected for the ?nal program, resulting in an - ceptance rate of as low as 21%. The authors of accepted papers were requested to revise their papers, based on the comments received. The program was c- pleted with an invited talk by Udo Helmbrecht, Executive Director of ENISA (European Network and Information Security Agency). ESORICS 2010 was organized under the aegisof three Ministries of the G- ernment of Greece, namely: (a) the Ministry of Infrastructure, Transport, and Networks, (b) the General Secretariat for Information Systems of the Ministry of Economy and Finance, and (c) the General Secretariat for e-Governance of the Ministry of Interior, Decentralization, and e-Government.

Fundamentals of Project Management James P. Lewis 2002 Updated concepts and tools to set up project plans, schedule work, monitor progress-and consistently achieve desired project results.In today's time-based and cost-conscious global business environment, tight project deadlines and stringent expectations are the norm. This classic book provides businesspeople with an excellent introduction to project management, supplying sound, basic information (along with updated tools and techniques) to understand and master the complexities and nuances of project management. Clear and down-to-earth, this step-by-step guide explains how to effectively spearhead every stage of a project-from developing the goals and objectives to managing the project team-and make project management work in any company. This updated second edition includes: * New material on the Project Management Body of Knowledge (PMBOK) * Do's and don'ts of implementing scheduling software* Coverage of the PMP certification offered by the Project Management Institute* Updated information on developing problem statements and mission statements* Techniques for implementing today's project management technologies in any organization-in any industry.

Computational Geometry Mark de Berg 2013-04-17 This introduction to computational geometry focuses on algorithms. Motivation is provided from the application areas as all techniques are related to particular applications in robotics, graphics, CAD/CAM, and geographic information systems. Modern insights in computational geometry are used to provide solutions that are both efficient and easy to understand and implement.

Engineering Unesco 2010-01-01 This report reviews engineering's importance to human, economic, social and cultural development and in addressing the UN Millennium Development Goals. Engineering tends to be viewed as a national issue, but engineering knowledge, companies, conferences and journals, all demonstrate that it is as international as science. The report reviews the role of engineering in development, and covers issues including poverty reduction, sustainable development, climate change mitigation and adaptation. It presents the various fields of engineering around the world and is intended to identify issues and challenges facing engineering, promote better understanding of engineering and its role, and highlight ways of making engineering more attractive to young people, especially women.--Publisher's description.

RFID and the Internet of Things Harvé Chabanne 2013-03-04 RFID (Radio Frequency Identification) technology allows forautomatic identification of information contained in a tag byscanning and interrogation using radio frequency (RF) waves. An RFID tag contains an antenna and a microchip that allows it totransmit and receive. This technology is a possible alternative tothe use of barcodes, which are frequently inadequate in the face ofrapid growth in the scale and complexity of just-in-time inventoryrequirements, regional and international trade, and emerging newmethods of trade based on it. Use of RFID tags will likelyeventually become as widespread as barcodes today. This book describes the technologies used for implementation ofRFID: from hardware, communication protocols, cryptography, toapplications (including electronic product codes, or EPC) andmiddleware. The five parts of this book will provide the reader with a detaileddescription of all the elements that make up a RFID system today,including hot topics such as the privacy concerns, and the Internetof Things.

The Cognitive Neurosciences Michael S. Gazzaniga 2009-09-18 "The fourth edition of The Cognitive Neurosciences continues to chart new directions in the study of the biologic underpinnings of complex cognition - the relationship between the structural and physiological mechanisms of the nervous system and the psychological reality of the mind. The material in this edition is entirely new, with all chapters written specifically for it." --Book Jacket.

ESSENTIAL JAVA FOR SCIENTISTS AND ENGINEERS HAHN & MAL 2002-05-30 ESSENTIAL JAVA FOR SCIENTISTS AND ENGINEERS

Computer Simulations in Condensed Matter: From Materials to Chemical Biology Mauro Ferrario 2006-11-13 This comprehensive collection of lectures by leading experts in the field introduces and reviews all relevant computer simulation methods and their applications in condensed matter systems. Volume 1 is an in-depth introduction to a vast spectrum of computational techniques for statistical mechanical systems of condensed matter. Volume 2 is a collection of state-of-the-art surveys on numerical experiments carried out for a great number of systems.

Structural change, fundamentals, and growth : a framework and case studies McMillan, Margaret 2017-05-11

Concepts of Modern Catalysis and Kinetics I. Chorkendorff 2017-05-30 In the past 12 years since its publication, Concepts of Modern Catalysis and Kinetics has become a standard textbook for graduate students at universities worldwide. Emphasizing fundamentals from thermodynamics, physical chemistry, spectroscopy, solid state chemistry and quantum chemistry, it introduces catalysis from a molecular perspective, and stresses how it is interwoven with the field of reaction kinetics. The authors go on to explain how the world of reacting molecules is connected to the real world of industry, by discussing the various scales (nano - micro - macro) that play a role in catalysis. Reflecting the modern-day focus on energy supplies, this third edition devotes attention to such processes as gas-to-liquids, coal-to-liquids, biomass conversion and hydrogen production. From reviews of the prior editions: 'Overall, this is a valuable book that I will use in teaching undergraduates and postgraduates.' (Angewandte Chemie - I. E.) '...this excellent book is highly recommended to students at technical universities, but also entrants in chemical industry. Furthermore, this informative handbook is also a must for all professionals in the community.' (AFS) 'I am impressed by the coverage of the book and it is a valuable addition to the catalysis literature and I highly recommend purchase' (Energy Sources)

Chemical Engineering Design Gavin Towler 2012-01-25 Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors

Advanced Organic Chemistry Francis A. Carey 2007-06-27 The two-part, fifth edition of Advanced Organic Chemistry has been substantially revised and reorganized for greater clarity. The material has been updated to reflect advances in the field since the previous edition, especially in computational chemistry. Part A covers fundamental structural topics and basic mechanistic types. It can stand-alone; together, with Part B: Reaction and Synthesis, the two volumes provide a comprehensive foundation for the study in organic chemistry. Companion websites provide digital models for study of structure, reaction and selectivity for students and exercise solutions for instructors.

Educational Research: Why 'What Works' Doesn't Work Paul Smeyers 2007-01-07 In this book distinguished philosophers and historians of education from six countries focus on the problematical nature of the search for ‘what works’ in educational contexts, in practice as well as in theory. Beginning with specific problems, they move on to more general and theoretical considerations, seeking to go beyond simplistic notions of cause and effect and the rhetoric of performativity that currently grips educational thinking.

Intelligent Virtual Agents David Traum 2016-10-18 This book constitutes the proceedings of the 16th International Conference on Intelligent Virtual Agents, IVA 2016, held in Los Angeles, CA, USA, in September 2016. The 12 full papers, 18 short papers, and 37 demo and poster papers accepted were carefully reviewed and selected from 81 submissions. IVA 2016 also includes three workshops: Workshop on Chatbots and Conversational Agents (WOCHAT), Can you feel me

now? Creating Physiologically Aware Virtual Agents (PAVA), and Graphical and Robotic Embodied Agents for Therapeutic Systems, GREATS16. Intelligent Virtual Aspects (IVAs) are intelligent digital interactive characters that can communicate with humans and other agents using natural human modalities such as facial expressions, speech, gestures, and movement. They are capable of real-time perception, cognition, emotion and action that allow them to participate in dynamic social environments. Constructing and studying IVAs requires tools from a wide range of fields such as computer science, psychology, cognitive science, communication, linguistics, interactive media, human-computer interaction and artificial intelligence.

Advanced Concepts for Intelligent Vision Systems Wilfried Philips 2009-09-30 This book constitutes the refereed proceedings of the 11th International Conference on Advanced Concepts for Intelligent Vision Systems, ACIVS 2009, held in Bordeaux, France in September/October 2009. The 43 revised full papers and 25 posters presented were carefully reviewed and selected from 115 submissions. The papers are organized in topical sections on technovision, fundamental mathematical techniques, image processing, coding and filtering, image and video analysis, computer vision, tracking, color, multispectral and special-purpose imaging, medical imaging, and biometrics.

120 Years of American Education Thomas D. Snyder 1993

Essential MATLAB for Scientists and Engineers Brian D. Hahn 2002 "This completely revised new edition is based on the lastest version of MATLAB. New chapters cover handle graphics, graphical user interfaces (GUIs), structures and cell arrays, and importing/exporting data. The chapter on numerical methods now includes a general GUI-driver ODE solver."--Jacket.

Active Balancing of Bike Sharing Systems Jan Brinkmann 2020-02-05 This book reports on an operational management approach to improving bike-sharing systems by compensating for fluctuating demand patterns. The aim is to redistribute bikes within the system, allowing it to be “actively” balanced. The book describes a mathematical model, as well as data-driven and simulation-based approaches. Further, it shows how these elements can be combined in a decision-making support system for service providers. In closing, the book uses real-world data to evaluate the method developed and demonstrates that it can successfully anticipate changes in demand, thus supporting efficient scheduling of transport vehicles to manually relocate bikes between stations.

Bit-Interleaved Coded Modulation Albert Guillén i Fàbregas 2008 Bit-Interleaved Coded Modulation is a comprehensive study of the subject, providing a comprehensive review of one of the most important coding schemes in modern communication systems.

Detection of Intrusions and Malware, and Vulnerability Assessment Ulrich Flegel 2013-03-15 This book constitutes the refereed post-proceedings of the 9th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2012, held in Heraklion, Crete, Greece, in July 2012. The 10 revised full papers presented together with 4 short papers were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on malware, mobile security, secure design, and intrusion detection systems (IDS).

Digest of Education Statistics 1987 Contains information on a variety of subjects within the field of education statistics, including the number of schools and colleges, enrollments, teachers, graduates, educational attainment, finances, Federal funds for education, libraries, international education, and research and development.

Handbook of Research on Innovations in Systems and Software Engineering Díaz, Vicente García 2014-08-31 Professionals in the interdisciplinary field of computer science focus on the design, operation, and maintenance of computational systems and software. Methodologies and tools of engineering are utilized alongside the technological advancements of computer applications to develop efficient and precise databases of information. The Handbook of Research on Innovations in Systems and Software Engineering combines relevant research from all facets of computer programming to provide a comprehensive look at the challenges and changes in the field. With information spanning topics such as design models, cloud computing, and security, this handbook is an essential reference source for academicians, researchers, practitioners, and students interested in the development and design of improved and effective technologies.

Drug Use, Impaired Driving and Traffic Accidents Alain G. Verstraete 2014 This literature review provides a comprehensive report on the relationship between drug use, impaired driving and traffic accidents. It describes methodological issues (Chapter1), presents the results of prevalence surveys among drivers and provides an overview of findings from major international epidemiological surveys published since 2007 (Chapter 2) and gathers evidence from experimental and field studies of the relationship between drug use, driving impairment and traffic accidents (Chapter 3).

Taxpayer Advocate Service is Here to Help United States. Taxpayer Advocate Service

Principles of Uncertainty Joseph B. Kadane 2011-05-18 An intuitive and mathematical introduction to subjective probability and Bayesian statistics. An accessible, comprehensive guide to the theory of Bayesian statistics, Principles of Uncertainty presents the subjective Bayesian approach, which has played a pivotal role in game theory, economics, and the recent boom in Markov Chain Monte Carlo methods. Both rigorous and friendly, the book contains: Introductory chapters examining each new concept or assumption Just-in-time mathematics – the presentation of ideas just before they are applied Summary and exercises at the end of each chapter Discussion of maximization of expected utility The basics of Markov Chain Monte Carlo computing techniques Problems involving more than one decision-maker Written in an appealing, inviting style, and packed with interesting examples, Principles of Uncertainty introduces the most compelling parts of mathematics, computing, and philosophy as they bear on statistics. Although many books present the computation of a variety of statistics and algorithms while barely skimming the philosophical ramifications of subjective probability, this book takes a different tack. By addressing how to think about uncertainty, this book gives readers the intuition and understanding required to choose a particular method for a particular purpose.