
Bookmark File PDF Pdf C Library Decision And Theory Problems Optimization Combinatorial From Arising Games Cooperative Applications And Theory Game Cooperative

Yeah, reviewing a ebook **Pdf C Library Decision And Theory Problems Optimization Combinatorial From Arising Games Cooperative Applications And Theory Game Cooperative** could ensue your near friends listings. This is just one of the solutions for you to be successful. As understood, talent does not suggest that you have fabulous points.

Comprehending as skillfully as covenant even more than supplementary will give each success. next to, the statement as without difficulty as perception of this Pdf C Library Decision And Theory Problems Optimization Combinatorial From Arising Games Cooperative Applications And Theory Game Cooperative can be taken as well as picked to act.

KEY=APPLICATIONS - MATHEWS MATHIAS

PATTERN RECOGNITION AND MACHINE LEARNING

Springer *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.*

CONVEX OPTIMIZATION

Cambridge University Press *A comprehensive introduction to the tools, techniques and applications of convex optimization.*

E-REFERENCE CONTEXT AND DISCOVERABILITY IN LIBRARIES: ISSUES AND CONCEPTS

ISSUES AND CONCEPTS

IGI Global Examines the issues of reference context and discoverability in school, public, and academic libraries, as well as within the reference publishing community.

EMERGING TRENDS AND IMPACTS OF THE INTERNET OF THINGS IN LIBRARIES

IGI Global Over the years, new IT approaches have manifested, including digital transformation, cloud computing, and the internet of things (IoT). They have had a profound impact on the population, including libraries. Many organizations can save on their IT budget by adopting these new approaches because they provide technology in easier ways, often at lower costs and to the benefit of users. *Emerging Trends and Impacts of the Internet of Things in Libraries* is a critical research publication that explores advancing technologies, specifically the internet of things, and their applications within library settings. Moreover, the book will provide insights and explore case studies on smart libraries. Featuring a wide range of topics such as smart technology, automation, and robotics, this book is ideal for librarians, professionals, academicians, computer scientists, researchers, and students working in the fields of library science, information and communication sciences, and information technology.

ETHICAL PROBLEM-SOLVING AND DECISION-MAKING FOR POSITIVE AND CONCLUSIVE OUTCOMES

IGI Global Strategies for effective problem-solving and decision-making are efficient ways for professionals to solve the moral dilemmas that confront them in their daily practice. Feelings of wellbeing and positive outcomes, often impeded by the failure to make decisions, can result when strategies are developed from psychological theories and positive mindsets. *Ethical Problem-Solving and Decision-Making for Positive and Conclusive Outcomes* is a pivotal reference source that synthesizes major psychological theories to show that any moral dilemma can be solved by using the correct positive mindset based on psychological theory and superimposing a basic ethical template to reach a conclusive decision. While highlighting topics such as cultural identity, student engagement, and education standards, this book is ideally designed for clinical practitioners, psychologists, education professionals, administrators, academicians, and researchers.

INFORMATION THEORY, INFERENCE AND LEARNING ALGORITHMS

Cambridge University Press *Table of contents*

DISCOVER DIGITAL LIBRARIES

THEORY AND PRACTICE

Elsevier Discover Digital Libraries: Theory and Practice is a book that integrates both research and practice concerning digital library development, use, preservation, and evaluation. The combination of current research and practical guidelines is a unique strength of this book. The authors bring in-depth expertise on different digital library issues and synthesize theoretical and practical perspectives relevant to researchers, practitioners, and students. The book presents a comprehensive overview of the different approaches and tools for digital library development, including discussions of the social and legal issues associated with digital libraries. Readers will find current research and the best practices of digital libraries, providing both US and international perspectives on the development of digital libraries and their components, including collection, digitization, metadata, interface design, sustainability, preservation, retrieval, and evaluation of digital libraries. Offers an overview of digital libraries and the conceptual and practical understanding of digital libraries Presents the lifecycle of digital library design, use, preservation and evaluation, including collection development, digitization of static and multimedia resources, metadata, digital library development and interface design, digital information searching, digital preservation, and digital library evaluation Synthesizes current research and the best practices of digital libraries, providing both US and international perspectives on the development of digital libraries Introduces new developments in the area of digital libraries, such as large-scale digital libraries, social media applications in digital libraries, multilingual digital libraries, digital curation, linked data, rapid capture, guidelines for the digitization of multimedia resources Highlights the impact, challenges, suggestions for overcoming these challenges, and trends of present and future development of digital libraries Offers a comprehensive bibliography for each chapter

UNDERSTANDING MACHINE LEARNING

FROM THEORY TO ALGORITHMS

Cambridge University Press *Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage.*

THE THEORY OF PROBLEM-SOLUTION DUALITIES AND POLARITIES

INFORMATION-DECISION-CHOICE FOUNDATIONS OF THE UNITY OF KNOWING AND THE UNITY OF SCIENCE

Springer Nature This book is concerned with the development of the understanding of the relational structures of information, knowledge, decision-choice processes of problems and solutions in the theory and practice regarding diversity and unity principles of knowing, science, non-science, and information-knowledge systems through dualistic-polar conditions of variety existence and nonexistence. It is a continuation of the sequence of my epistemic works on the theories on fuzzy rationality, info-statics, info-dynamics, entropy, and their relational connectivity to information, language, knowing, knowledge, cognitive practices relative to variety identification-problem-solution dualities, variety transformation-problem-solution dualities, and variety certainty-uncertainty principle in all areas of knowing and human actions regarding general social transformations. It is also an economic-theoretic approach in understanding the diversity and unity of knowing and science through neuro-decision-choice actions over the space of problem-solution dualities and polarities. The problem-solution dualities are argued to connect all areas of knowing including science and non-science, social science, and non-social-science into unity with diversities under neuro-decision-choice actions to support human existence and nonexistence over the space of static-dynamic dualities. The concepts of diversity and unity are defined and explicated to connect to the tactics and strategies of decision-choice actions over the space of problem-solution dualities. The concepts of problem and solution are defined and explicated not in the space of absoluteness but rather in the space of relativity based on real cost-benefit conditions which are shown to be connected to the general parent-offspring infinite process, where every solution generates new problem(s) which then generates a search for new solutions within the space of minimum-maximum dualities in the decision-choice space under the principle of non-satiation over the space of preference-non-preference dualities with analytical tools drawn from the fuzzy paradigm of thought which connects the conditions of the principle of opposites to the conditions of neuro-decision-choice actions in the zone of variety identifications and transformations. The Monograph would be useful to all areas of Research, Learning and Teaching at Advanced Stages of Knowing and Knowledge Production.

LEADERSHIP IN ACADEMIC LIBRARIES TODAY

CONNECTING THEORY TO PRACTICE

Rowman & Littlefield This book connects leadership theories to academic libraries through case studies, analysis of survey results, and action research. By providing library examples of concepts such as transformational leadership, leadership frames, and other theories,

the book breaks new ground in helping the profession develop a vision for its future leadership based on existing theory and current practice.

QUALITATIVE AND QUANTITATIVE METHODS IN LIBRARIES

THEORY AND APPLICATIONS : PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON QQML2009, CHANIA, CRETE, GREECE, 26-29 MAY 2009

World Scientific This volume is a valuable resource of research papers and applications presented at the Qualitative and Quantitative Methods in Libraries International Conference QQML2009, on the methodological tools used in library and information science. It provides the reader with a better understanding and holistic view on the subject and contains a plethora of invaluable methodologies and applications to a variety of information and library science. Qualitative and Quantitative Methods in Libraries will be suitable to students as a textbook, as well as to scientists and professionals.

CRITICAL THINKING WITHIN THE LIBRARY PROGRAM

Routledge While academic librarians frequently discuss critical thinking and its relationship to information literacy, the literature does not contain an abundance of sources on the topic. Therefore, this works provides a current and timely perspective on the possible roles of critical thinking within the library program. The work contains a variety of approaches likely to benefit the practicing librarian. It begins with a review of the literature, followed by theoretical approaches involving constructivism and the Socratic method. Readers will find pieces on the integration of critical thinking into the first-year experience and course-specific case studies, as well as a selection on a campus-wide critical thinking project. In each of the pieces, librarians are exploring new ways to meet their instructional goals, including the goal of teaching critical thinking skills to students across the curriculum. This book was originally published as a special issue of College & Undergraduate Libraries.

HANDBOOK ON TEACHING SOCIAL ISSUES

2ND EDITION

IAP The Handbook on Teaching Social Issues, 2nd edition, provides teachers and teacher educators with a comprehensive guide to teaching social issues in the classroom. This second edition re-frames the teaching of social issues with a dedicated emphasis on issues of social justice. It raises the potential for a new and stronger focus on social issues instruction in schools. Contributors include

many of the leading experts in the field of social studies education. Issues-centered social studies is an approach to teaching history, government, geography, economics and other subject related courses through a focus on persistent social issues. The emphasis is on problematic questions that need to be addressed and investigated in-depth to increase social understanding, active participation, and social progress. Questions or issues may address problems of the past, present, or future, and involve disagreement over facts, definitions, values, and beliefs arising in the study of any of the social studies disciplines, or other aspects of human affairs. The authors and editor believe that this approach should be at the heart of social studies instruction in schools. ENDORSEMENTS "At a time when even the world's most stable democracies are backsliding towards autocratic rule, Ronald Evans has pulled together an essential guide for teachers who want to do something about it. The 2nd edition of the Handbook on Teaching Social Issues is a brilliant and timely collection that should be the constant companion for teachers across the disciplines." Joel Westheimer University Research Chair in Democracy and Education University of Ottawa "The Handbook on Teaching Social Issues (2nd edition) is a fantastic resource for teachers, teacher educators, and professional development specialists who are interested in ensuring that social issues are at the center of the curriculum. The chapters are focused on the most important contemporary thinking about what social issues are, why they are so important for young people to learn about, and what research indicates are the most effective pedagogical approaches. The wide-ranging theoretical and practical expertise of the editor and all of the chapter authors account for why this handbook makes such an exceptional contribution to our understanding of how and why the social issues approach is so important and stimulating." Diana Hess Dean, UW-Madison School of Education Karen A. Falk Distinguished Chair of Education "Democracy, both as a form of governance and a reservoir of principles and practices, faces an existential threat. The Handbook on Teaching Social Issues is a perfectly-timed and wonderfully engaging exploration of what lies at the heart of social studies curriculum: social inquiry for democratic life. The authors provide conceptual frames, classroom strategies and deep insights about the complex and utterly crucial work of education for democratic citizenship. Education like that conceptualized and described in this volume is a curative so needed at this critical moment. Ron Evans and his colleagues have delivered, assembling an outstanding set of contributions to the field. The Handbook underscores John Dewey's now-haunting invocation that democracy must be renewed with each generation and an education worthy of its name is the handmaiden of democratic rebirth." William Gaudelli Dean and Professor Lehigh University "This volume is so timely and relevant for democratic education. Instead of retreating to separate ideological corners, the authors in this handbook invite us to engage in deliberative discourse that requires civic reasoning and often requires us to meet in a place that serves us all." Gloria Ladson-Billings, Professor Emerita Department of Curriculum & Instruction University of Wisconsin President, National Academy of Education Fellow, AERA, AAAS, and Hagler Institute @ Texas A&M "At the heart of our divisive political and social climate is the need to understand and provide clarity over polarizing concepts. Historically, confusion and resistance has hindered the nation's growth as a democratic nation. Typically, the most vulnerable in our society has suffered the most from our unwillingness to

reconceptualize society. The Handbook on Teaching Social Issues, 2nd edition, is a good step in helping social studies educators, students, and laypersons realize a new society that focuses on equity. With over 30 chapters, Ronald Evans and his colleagues' centered inquiry, critical thinking, controversy, and action to challenge ideologies and connect social studies to student's lives and the real world. The first edition helped me as a young social studies teacher; I am excited to use the 2nd edition with my teacher education students!" LaGarrett King Isabella Wade Lyda and Paul Lyda Professor of Education Founding Director, CARTER Center for K-12 Black history education University of Missouri "Ronald Evans has curated a collection of informative contributions that will serve as an indispensable resource for social studies educators committed to engaging their students in the thoughtful examination of social issues. The Handbook on Teaching Social Issues, 2nd edition, articulates the historical, definitional, and conceptual foundations of social issues education. It offers clear presentations of general guidelines for unit planning, discussion methods, and assessment. It identifies specific teaching strategies, resources, and sample lessons for investigating a range of persistent and contemporary social issues on the elementary, middle, and secondary levels through the social studies disciplines. Updated with perspectives on education for social justice that have emerged since the first edition, this edition effectively situates social issues education in the contemporary sociopolitical milieu. The Handbook on Teaching Social Issues, is a timely, accessible, and practical guide to involving students in a vital facet of citizenship in a democracy." William G. Wraga, Professor Dean's Office Mary Frances Early College of Education University of Georgia "The Handbook on Teaching Social Issues, 2nd edition is a long-awaited, welcome, and timely volume. It is apparent that the foundational tenets of the first edition have served social studies professionals well over the past 25 years, given the growth of social issues scholarship showcased in this new edition. Notable is the re-framing and presentation here of scholarship through a social justice lens. I appreciate the offering of unique tools on an array of specific, critical topics that fill gaps in our pedagogical content knowledge. This volume will sit right alongside my dog-eared 1996 edition and fortify many methods courses, theses, and dissertations to come. Sincere thanks to the editor and authors for what I am certain will be an enduring, catalyzing contribution." Nancy C. Patterson Professor of Education Social Studies Content Area Coordinator Bowling Green State University "The Handbook on Teaching Social Issues is a tool that every informed social studies educator should have in their instructional repertoire. Helping students understand how to investigate and take action against problems is essential to developing a better world. The articles in this handbook provide explanations and reasonings behind issues-centered education as well as strategies to employ at every age level of learning. I look forward to using this edition with the K-12 social studies teachers in my district in order to better prepare our students for future learning and living." Kelli Hutt, Social Studies Curriculum Facilitator Dallas Center-Grimes CSD Grimes, Iowa "Ron Evans has chosen an appropriate time to create a companion publication to the first Handbook on Teaching Social Issues published in 1996. During the last few years, social studies teachers have been confronted by student inquiries on a plethora of historical and contemporary issues that implores for the implementation of an interdisciplinary approach to the teaching of

anthropology, economics, geography, government, history, sociology, and psychology in order for students to make sense of the world around them and develop their own voices. This demands a student centered focus in the classroom where problematic questions must be addressed and investigated in depth in order to increase social understanding and active participation toward social progress. This volume provides crucial upgrades to the original handbook including a greater emphasis on teaching issues in the elementary grades, the inclusion of issues pertaining to human rights, genocide and sustainability to be addressed in the secondary grades, and addressing issues related to disabilities." Mark Previte, Associate Professor of Secondary Education University of Pittsburgh-Johnstown Chair, NCSS Issues Centered Education Community

SUPPORTING ENTREPRENEURSHIP AND INNOVATION

Emerald Group Publishing Libraries have recently begun doing more to support entrepreneurship and innovation within their communities. This volume explores how this has come about, looking at libraries from across North America, Europe and Africa, and helps position readers to better understand what is happening, and how this can be brought to further institutions.

BANDIT ALGORITHMS

Cambridge University Press A comprehensive and rigorous introduction for graduate students and researchers, with applications in sequential decision-making problems.

ENCYCLOPEDIA OF BUSINESS ANALYTICS AND OPTIMIZATION

IGI Global As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity- and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

POWER, VOTING, AND VOTING POWER: 30 YEARS AFTER

Springer Science & Business Media The developments over a thirty-year time span in the study of power, especially voting power, are traced in this book, which provides an up-to-date overview of applications of n-person game theory to the study of power in

multimember bodies. Other theories that shed light on power distribution (e.g. aggregation theory) are treated as well. The book revisits the themes discussed in the well-known 1982 publication "Power, Voting and Voting Power" (edited by Manfred J. Holler). Thirty years later this essential topic has been taken up again and many of the authors from its predecessor participate here again in discussing the state-of-the-art, demonstrating the achievements of three decades of intensive research, and pointing the way to key issues for future work.

HANDBOOK OF MACHINE LEARNING - VOLUME 2: OPTIMIZATION AND DECISION MAKING

World Scientific Building on Handbook of Machine Learning - Volume 1: Foundation of Artificial Intelligence, this volume on Optimization and Decision Making covers a range of algorithms and their applications. Like the first volume, it provides a starting point for machine learning enthusiasts as a comprehensive guide on classical optimization methods. It also provides an in-depth overview on how artificial intelligence can be used to define, disprove or validate economic modeling and decision making concepts.

FAIRNESS IN EDUCATIONAL AND PSYCHOLOGICAL TESTING: EXAMINING THEORETICAL, RESEARCH, PRACTICE, AND POLICY IMPLICATIONS OF THE 2014 STANDARDS

American Educational Research Association This book examines scholarship, best practice methodologies, and examples of policy and practice from various professional fields in education and psychology to illuminate the elevated emphasis on test fairness in the 2014 Standards for Educational and Psychological Testing. Together, the chapters provide a survey of critical and current issues with a view to broadening and contextualizing the fairness guidelines for different types of tests, test takers, and testing contexts. Researchers and practitioners from school psychology, clinical/counseling psychology, industrial/organizational psychology, and education will find the content useful in thinking more acutely about fairness in testing in their work. The book also has chapters that address implications for policy makers, and, in some cases, the public. These discussions are offered as a starting point for future scholarship on the theoretical, empirical, and applied aspects of fairness in testing particularly given the ever-increasing importance of addressing equity in testing.

TAILINGS DAM MANAGEMENT FOR THE TWENTY-FIRST CENTURY

WHAT MINING COMPANIES NEED TO KNOW AND DO TO THRIVE IN OUR COMPLEX WORLD

Springer This book presents a comprehensive approach to address the need to improve the design of tailings dams, their

management and the regulation of tailings management facilities to reduce, and eventually eliminate, the risk of such facilities failing. The scope of the challenge is well documented in the report by the United Nations Environment Program (UNEP) and GRID Arendal entitled "Mine Tailings Storage: Safety Is No Accident," which was released in October 2017. The report recommends that "Regulators, industry and communities should adopt a shared, zero-failure objective to tailings storage facilities..." and identifies several areas where further improvements are required. In this context, the application of cutting-edge risk-assessment methodologies and risk-management practices can contribute to a significant reduction and eventual elimination of dam failures through Risk Informed Decision Making. As such, the book focuses on identifying and describing the risk-assessment approaches and risk-management practices that need to be implemented in order to develop a way forward to achieve socially acceptable levels of tailings dam risk.

THE WICKED PROBLEMS OF POLICE REFORM IN CANADA

Taylor & Francis This book looks at police reform in Canada, arguing that no significant and sustainable reform can occur until steps are taken to answer the question of 'What exactly do we want police to do?' Adding challenge to this is that setting boundaries on what we expect the police to do requires grappling with the complex social problems we ask them to resolve. In public policy language, these are 'wicked problems' – social or cultural issues frequently seen as intractable. Authors Huey, Ferguson, and Schulenberg, all policing scholars, draw on a unique collection of data to explore these issues: over 20 years of research (2000– 2021) ranging from in-depth interviews, surveys, and field observations to document analysis and systematic social observation. Pooling this data generates a national-level picture of changes in the policing operational environment over these decades. This book focuses on four particular wicked problems (mental health, substance misuse, homelessness, missing persons) with causes and potential preventative treatments that lie primarily outside the criminal justice system and yet continue to be treated as 'policing problems.' Bringing about changes in public policing requires changes in public policy, and these are precisely the types of wicked problems that need innovative policy solutions. This book is suitable for a wide range of audiences within and outside Canada, including law enforcement and community leaders; scholars and policy experts who specialize in policing; students of criminal justice, organizations, and management; and citizen-consumers of information about policing.

PRESERVING DIGITAL MATERIALS

Walter de Gruyter This book provides a single-volume introduction to the principles, strategies and practices currently applied by librarians and record keepers to the preservation of digital information. Also included are case studies of practice from the library, record keeping, audiovisual archiving, data archiving and geospatial communities.

SPECIAL LIBRARIES: A SURVIVAL GUIDE

A SURVIVAL GUIDE

ABC-CLIO Learn why special or corporate libraries must align with their parent organizations in order to survive in these difficult economic times—and how to foster and demonstrate this critical relationship. • Presents case studies of corporate and other special library reductions and closures and provides strategies to minimize your chances of becoming a victim • Demonstrates how to integrate your information services and skills with essential functions of your parent organization • Underscores the critical nature of documenting your contribution to your parent organization's mission • Provides a useful predictive model to assess if your library is in danger of being severely cut back or closed outright • Makes comparisons of corporate libraries in the United States, the United Kingdom, Australia, and New Zealand

DATA MINING WITH DECISION TREES

THEORY AND APPLICATIONS

World Scientific This is the first comprehensive book dedicated entirely to the field of decision trees in data mining and covers all aspects of this important technique. Decision trees have become one of the most powerful and popular approaches in knowledge discovery and data mining, the science and technology of exploring large and complex bodies of data in order to discover useful patterns. The area is of great importance because it enables modeling and knowledge extraction from the abundance of data available. Both theoreticians and practitioners are continually seeking techniques to make the process more efficient, cost-effective and accurate. Decision trees, originally implemented in decision theory and statistics, are highly effective tools in other areas such as data mining, text mining, information extraction, machine learning, and pattern recognition. This book invites readers to explore the many benefits in data mining that decision trees offer: Self-explanatory and easy to follow when compacted Able to handle a variety of input data: nominal, numeric and textual Able to process datasets that may have errors or missing values High predictive performance for a relatively small computational effort Available in many data mining packages over a variety of platforms Useful for various tasks, such as classification, regression, clustering and feature selection

MERGING THE INSTRUCTIONAL DESIGN PROCESS WITH LEARNER-CENTERED THEORY

THE HOLISTIC 4D MODEL

Routledge Merging the Instructional Design Process with Learner-Centered Theory brings together the innovations of two previously divided processes — learning design strategies/theories and instructional systems development — into a new introductory textbook. Using a holistic rather than fragmented approach that includes top-level, mid-level, and lower-level design, this book provides guidance for major topics such as non-instructional interventions, just-in-time analysis, rapid-prototype approaches, and learner-centered, project-based, anytime-anywhere instruction. Informed by the authors' considerable experience and leadership throughout dramatic shifts in today's learning landscape, this book offers the next generation of instructional designers a fresh perspective that synthesizes and pushes beyond the basics of design and development.

MATHEMATICS FOR MACHINE LEARNING

Cambridge University Press The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

CRIMINOLOGY

CONNECTING THEORY, RESEARCH AND PRACTICE

Taylor & Francis Connections among theory, research, and practice are the heart and soul of criminology. This book offers a comprehensive and balanced introduction to criminology, demonstrating the value of understanding the relationships between criminological theory, research, and practice in the study of crime and criminal behavior. Utilising a range of case studies and thought-provoking features, it encourages students to think critically and provides a foundation for understanding criminology as a systematic, theoretically grounded science. It includes: A comprehensive overview of crime in American society, including the nature and meaning

of crime and American criminal law as well as the scientific study of crime, A concise, straightforward, and practical approach to the study of the American criminal justice system and its various components, including individual chapters on police, courts, and corrections, An overview of criminological theory, including classical, biological, psychological and sociological approaches, A survey of typologies of criminological behavior including interpersonal violent crimes, property crime, public order crime, organized and white collar crime, state crime, environmental harm and cybercrime, Concluding thoughts exploring challenges facing criminal justice policy and the future of criminological theory. This new edition has been thoroughly revised and updated and includes brand new chapters on corrections, courts, criminal law, law enforcement, and technology and cybercrime. It is packed with useful and instructive features such as themed boxed case studies in every chapter, critical thinking questions, lists of further reading, and links to e-resources. A companion website includes PowerPoint slides for lecturers, links to useful resources, and lists of further reading.

ETHICAL BUSINESS CULTURE

A UTOPIA OR A CHALLENGE?

Business Expert Press This book investigates both the ethical paragons involved in small business ethical decision-making process and their consequences and the implementation of the right culture in small business as a paragon of stability and growth. Small business is a major component of societies, especially now. Being in leadership positions in small business is something which many times involves tough decisions to be taken. The major question that this book addresses is whether ethical decision making in small business is a paragon that needs to be taken into consideration? Surviving and growing is something which involves many aspects that need to be taken into consideration too. One of them is the human factor, which many consider to be a crucial paragon, more important than even strategy implementation. Under this prism, this book will investigate both the ethical paragons involved in small business ethical decision-making process and their consequences and the implementation of the right culture in small business as a paragon of stability and growth. The author sheds some light into aspects that we all have encountered in our professional lives and which sometimes had major impact on both business and the environment.

DENTAL PUBLIC HEALTH AT A GLANCE

John Wiley & Sons Dental Public Health at a Glance presents a richly-illustrated introduction to dental and oral health issues in communities and populations. Each topic is presented in an easy-to-comprehend two-page spread with essential facts clearly summarized and accompanied by tables, illustrations and diagrams Comprehensive coverage of wide range of key concepts including: evidence-based dentistry, oral health promotion, the relationship of fluoride, diet, smoking, and alcohol to oral health, and

considerations for a dental public health career Written by an expert in dental public health and offering illuminating insights into oral health at the population level A must-have introductory textbook and revision guide for dentistry and dental hygiene and therapy students

DESIGNING EFFECTIVE LIBRARY LEARNING SPACES IN HIGHER EDUCATION

Emerald Group Publishing Traditional roles of higher education are giving way to academic partnership, research and open resources. Libraries play a key role to serve as a gateway to information and to promote intellectual discovery among students. This book explores the relevant issues and strategies library science partnerships initiate with stakeholders in the field.

NEUTROSOPHIC SET IS A GENERALIZATION OF INTUITIONISTIC FUZZY SET, INCONSISTENT INTUITIONISTIC FUZZY SET (PICTURE FUZZY SET, TERNARY FUZZY SET), PYTHAGOREAN FUZZY SET, SPHERICAL FUZZY SET, AND Q-RUNG ORTHOPAIR FUZZY SET, WHILE NEUTROSOPHICATION IS A GENERALIZATION OF REGRET THEORY, GREY SYSTEM THEORY, AND THREE-WAYS DECISION (REVISITED)

Infinite Study In this paper, we prove that Neutrosophic Set (NS) is an extension of Intuitionistic Fuzzy Set (IFS) no matter if the sum of neutrosophic components is <1 , or >1 , or $=1$. For the case when the sum of components is 1 (as in IFS), after applying the neutrosophic aggregation operators, one gets a different result than applying the intuitionistic fuzzy operators, since the intuitionistic fuzzy operators ignore the indeterminacy, while the neutrosophic aggregation operators take into consideration the indeterminacy at the same level as truth-membership and falsehood-nonmembership are taken.

THE LAW AND PRACTICE OF THE INTERNATIONAL CRIMINAL COURT

OUP Oxford Some parts of this publication are open access, available under the terms of a CC BY-NC-ND 4.0 International licence. Chapters 2, 4, 10, 47 and 49 are offered as a free PDF download from OUP and selected open access locations. The International Criminal Court is a controversial and important body within international law; one that is significantly growing in importance, particularly as other international criminal tribunals close down. After a decade of Court practice, this book takes stock of the activities of the International Criminal Court, identifying the key issues in need of re-thinking or potential reform. It provides a systematic and in-depth thematic account of the law and practice of the Court, including its changes context, the challenges it faces, and its overall contribution to international criminal law. The book is written by over forty leading practitioners and scholars from both inside and outside the Court. They provide an unparalleled insight into the Court as an institution, its jurisprudence, the impact of its activities,

and its future development. The work addresses the ways in which the practice of the International Criminal Court has emerged, and identifies ways in which this practice could be refined or improved in future cases. The book is organised along six key themes: (i) the context of International Criminal Court investigations and prosecutions; (ii) the relationship of the Court to domestic jurisdictions; (iii) prosecutorial policy and practice; (iv) the applicable law; (v) fairness and expeditiousness of proceedings; and (vi) its impact and lessons learned. It shows the ways in which the Court has offered fresh perspectives on the theorization and conception of crimes, charges and individual criminal responsibility. It examines the procedural framework of the Court, including the functioning of different stages of proceedings. The Court's decisions have significant repercussions: on domestic law, criminal theory, and the law of other international courts and tribunals. In this context, the book assesses the extent to which specific approaches and assumptions, both positive and negative, regarding the potential impact of the Court are in need of re-thinking. This book will be essential reading for practitioners, scholars, and students of international criminal law.

BIG DATA, DATABASES AND "OWNERSHIP" RIGHTS IN THE CLOUD

Springer Nature Two of the most important developments of this new century are the emergence of cloud computing and big data. However, the uncertainties surrounding the failure of cloud service providers to clearly assert ownership rights over data and databases during cloud computing transactions and big data services have been perceived as imposing legal risks and transaction costs. This lack of clear ownership rights is also seen as slowing down the capacity of the Internet market to thrive. Click-through agreements drafted on a take-it-or-leave-it basis govern the current state of the art, and they do not allow much room for negotiation. The novel contribution of this book proffers a new contractual model advocating the extension of the negotiation capabilities of cloud customers, thus enabling an automated and machine-readable framework, orchestrated by a cloud broker. Cloud computing and big data are constantly evolving and transforming into new paradigms where cloud brokers are predicted to play a vital role as innovation intermediaries adding extra value to the entire life cycle. This evolution will alleviate the legal uncertainties in society by means of embedding legal requirements in the user interface and related computer systems or its code. This book situates the theories of law and economics and behavioral law and economics in the context of cloud computing and takes database rights and ownership rights of data as prime examples to represent the problem of collecting, outsourcing, and sharing data and databases on a global scale. It does this by highlighting the legal constraints concerning ownership rights of data and databases and proposes finding a solution outside the boundaries and limitations of the law. By allowing cloud brokers to establish themselves in the market as entities coordinating and actively engaging in the negotiation of service-level agreements (SLAs), individual customers as well as small and medium-sized enterprises could efficiently and effortlessly choose a cloud provider that best suits their needs. This approach, which the author calls "plan-like architectures," endeavors to create a more trustworthy cloud computing environment and to yield radical

new results for the development of the cloud computing and big data markets.

REVISITING THE INDIAN FINANCIAL SECTOR

RECENT ISSUES AND PERSPECTIVES

Springer Nature This book provides perspectives on the latest developments and pertinent issues in the Indian financial sector in current times. The reforms initiated in the nineties in the financial sector have transformed the way financial markets and institutions function today. However, certain sectors like banking, and markets like the capital market have undergone sea changes. The research contributions in this book focus on the issues pertaining to such sectors like banking, NBFCs and the stock market. The opening up of financial markets and emergence of institutional investors have been a significant phenomenon in the Indian context. At this backdrop of increasing financial integration, the impact of financial liberalisation on the overall development of the sector, and how the global policies and events influence the Indian financial sector, are analysed in the book. The emergence of new regulations in the capital markets to instill more discipline and transparency, have also changed the way corporates take financing decisions. For example, regulatory authorities are continuously reviewing norms pertaining to issues like promoters' shareholding owing to risks arising from excessive leverage and the linkages between financial intermediaries. Corporate governance, environmental aspects are some important additions in corporate financing norms in the recent past. The book incorporates a discussion on this, too. Apart from these, the book also has incorporated several aspects on an emerging concept called financial inclusion, its measurement and constraints to achieve the same. And finally, at the backdrop of the disruption created by the COVID-19 pandemic, the impact on the Indian capital market is also discussed. Contributions are based on rigorous empirical research and incorporate the perspectives of renowned academicians in the field of finance and financial economics across the country. Apart from the research community, this book will also be helpful for financial analysts working in the financial sector to have some idea about the current issues, the direction of research on those issues and different perspectives on them.

FORENSIC SCIENCE EDUCATION AND TRAINING

A TOOL-KIT FOR LECTURERS AND PRACTITIONER TRAINERS

John Wiley & Sons "The book discusses existing and proposed methods for teaching theory, combined with hands-on practical exercises, and evaluates the current methodologies for assessing student and practitioner competencies"--

INTELLIGENT TUTORING SYSTEMS

8TH INTERNATIONAL CONFERENCE, ITS 2006, JHONGLI, TAIWAN, JUNE 26-30, 2006 PROCEEDINGS

Springer This book constitutes the refereed proceedings of the 8th International Conference on Intelligent Tutoring Systems, ITS 2006, held in Jhongli, Taiwan, June 2006. The book presents 67 revised full papers and 40 poster papers, together with abstracts of 6 keynote talks, organized in topical sections on assessment, authoring tools, bayesian reasoning and decision-theoretic approaches, case-based and analogical reasoning, cognitive models, collaborative learning, e-learning and web-based intelligent tutoring systems, and more.

DECISION MAKING UNDER UNCERTAINTY

THEORY AND APPLICATION

MIT Press An introduction to decision making under uncertainty from a computational perspective, covering both theory and applications ranging from speech recognition to airborne collision avoidance. Many important problems involve decision making under uncertainty—that is, choosing actions based on often imperfect observations, with unknown outcomes. Designers of automated decision support systems must take into account the various sources of uncertainty while balancing the multiple objectives of the system. This book provides an introduction to the challenges of decision making under uncertainty from a computational perspective. It presents both the theory behind decision making models and algorithms and a collection of example applications that range from speech recognition to aircraft collision avoidance. Focusing on two methods for designing decision agents, planning and reinforcement learning, the book covers probabilistic models, introducing Bayesian networks as a graphical model that captures probabilistic relationships between variables; utility theory as a framework for understanding optimal decision making under uncertainty; Markov decision processes as a method for modeling sequential problems; model uncertainty; state uncertainty; and cooperative decision making involving multiple interacting agents. A series of applications shows how the theoretical concepts can be applied to systems for attribute-based person search, speech applications, collision avoidance, and unmanned aircraft persistent surveillance. *Decision Making Under Uncertainty* unifies research from different communities using consistent notation, and is accessible to students and researchers across engineering disciplines who have some prior exposure to probability theory and calculus. It can be used as a text for advanced undergraduate and graduate students in fields including computer science, aerospace and electrical engineering, and management science. It will also be a valuable professional reference for researchers in a variety of disciplines.

DISCOVER SOCIOLOGY: CORE CONCEPTS

SAGE Publications Discover Sociology: Core Concepts explores sociology as a discipline of curious minds, with the theoretical, conceptual, and empirical tools needed to understand, analyze, and even change the world—all in a more streamlined format. It is adapted from Discover Sociology, Third Edition and offers in-depth coverage of 12 high-priority topics that are at the core of almost all introductory sociology courses. Core Concepts maintains its reader-friendly narrative and the hallmark themes of the parent book, including the unequal distribution of power in society (“Inequality Matters”), the sociological imagination (“Private Lives, Public Issues”), and career skills (“What Can I Do With a Sociology Degree?”). A new feature, “Discover and Debate,” shows students how to take effective, evidence-based positions on important social issues, and how to argue in a respectful manner that recognizes the value of different perspectives. Also available as a digital option (courseware). Contact your rep to learn more about Discover Sociology: Core Concepts - Vantage Digital Option.

ADMINISTRATIVE RECORDS FOR SURVEY METHODOLOGY

John Wiley & Sons Addresses the international use of administrative records for large-scale surveys, censuses, and other statistical purposes Administrative Records for Survey Methodology is a comprehensive guide to improving the quality, cost-efficiency, and interpretability of surveys and censuses using administrative data research. Contributions from a team of internationally-recognized experts provide practical approaches for integrating administrative data in statistical surveys, and discuss the methodological issues—including concerns of privacy, confidentiality, and legality—involved in collecting and analyzing administrative records. Numerous real-world examples highlight technological and statistical innovations, helping readers gain a better understanding of both fundamental methods and advanced techniques for controlling data quality reducing total survey error. Divided into four sections, the first describes the basics of administrative records research and addresses disclosure limitation and confidentiality protection in linked data. Section two focuses on data quality and linking methodology, covering topics such as quality evaluation, measuring and controlling for non-consent bias, and cleaning and using administrative lists. The third section examines the use of administrative records in surveys and includes case studies of the Swedish register-based census and the administrative records applications used for the US 2020 Census. The book’s final section discusses combining administrative and survey data to improve income measurement, enhancing health surveys with data linkage, and other uses of administrative data in evidence-based policymaking. This state-of-the-art resource: Discusses important administrative data issues and suggests how administrative data can be integrated with more traditional surveys Describes practical uses of administrative records for evidence-driven decisions in both public and private sectors Emphasizes using interdisciplinary methodology and linking administrative records with other data sources Explores

techniques to leverage administrative data to improve the survey frame, reduce nonresponse follow-up, assess coverage error, measure linkage non-consent bias, and perform small area estimation. *Administrative Records for Survey Methodology* is an indispensable reference and guide for statistical researchers and methodologists in academia, industry, and government, particularly census bureaus and national statistical offices, and an ideal supplemental text for undergraduate and graduate courses in data science, survey methodology, data collection, and data analysis methods.

EDELMAN AND KUDZMA'S CANADIAN HEALTH PROMOTION THROUGHOUT THE LIFE SPAN - E-BOOK

Elsevier Health Sciences Learn the ins and outs of health promotion and disease prevention in Canada with Edelman and Kudzma's *Canadian Health Promotion Throughout the Lifespan*. This all-new, comprehensive text grounds you in the Canadian health objectives for promotion and prevention which aims to improve the health of the entire population and to reduce health inequities among population groups. Among the text's chapters you'll find extensive coverage of growth and development throughout the life span — including coverage of the normal aspects, the unique problems, and the health promotion needs that are found in each age and stage of development. Separate chapters discuss each population group — the individual, the family, and the community — and highlight the unique aspects of caring for each of these groups. In all, this comprehensive and culturally relevant text provides all the tools needed to stay up on the latest research and topics in Canadian health promotion.