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Financial, Macro and Micro Econometrics Using R

North Holland Financial, Macro and Micro Econometrics Using R, Volume 42, provides state-of-the-art information on important topics in econometrics, including multivariate GARCH, stochastic frontiers, fractional responses, specification testing and model selection, exogeneity testing, causal analysis and forecasting, GMM models, asset bubbles and crises, corporate investments, classification, forecasting, nonstandard problems, cointegration, financial market jumps and co-jumps, among other topics. Presents chapters authored by distinguished, honored researchers who have received awards from the Journal of Econometrics or the Econometric Society Includes descriptions and links to resources and free open source R Gives readers what they need to jumpstart their understanding on the state-of-the-art

Robotic Sailing

Proceedings of the 4th International Robotic Sailing Conference

Springer Science & Business Media While sailing has a long tradition, both as a means of transportation and as a sport, robotic sailing is a fairly new area of research. One of its unique characteristics is the use of wind for propulsion. On the one hand, this allows for long range and long term autonomy. On the other hand, the dependency on changing winds presents a serious challenge for short and long term planning, collision avoidance, and boat control. Moreover, building a robust and seaworthy sailing robot is no simple task, leading to a truly interdisciplinary engineering problem. These proceedings summarize the state of the art as presented at the International Robotic Sailing Conference 2011. Following an overview of the history of autonomous sailing a number of recent boat designs is presented, ranging from small one-design boats to vessels built to cross the Atlantic Ocean. Subsequently, various aspects of system design and validation are discussed, further highlighting the interdisciplinary nature of the field. Finally, methods for collision avoidance, localization and route planning are covered.

Computer Science

PediaPress

Information Logistics. Decentralized Approaches of Information Allocation in Information Exchange Networks

ibidem-Verlag / ibidem Press The use of modern planning and optimization systems for process synchronization in value networks requires the optimal information exchange between the entities involved. The central focus of Sven Grolik's study is the development of efficient mechanisms for the coordination of information allocation by the example of interconnected transportation marketplaces. Unlike traditional information allocation algorithms, the algorithms developed in his analysis are based on update mechanisms which maintain a weak consistency of replicated information in the network. Sven Grolik shows that these algorithms enable savings concerning the update costs as well as increase the performance within the network, but at the same time guarantee compliance with quality of service levels concerning the currency of information. The focus of this work is the development of decentralized, online algorithms which make a logically distributed computation possible on the basis of local information. The development of these innovative algorithms is based on approaches of multi-agent system theory as well as distributed simulated annealing techniques.

Knowledge Discovery in Databases: PKDD 2006

10th European Conference on Principles and Practice of Knowledge Discovery in Databases, Berlin, Germany, September 18-22, 2006, Proceedings

Springer This book constitutes the refereed proceedings of the 10th European Conference on Principles and Practice of Knowledge Discovery in Databases, PKDD 2006. The book presents 36 revised full papers and 26 revised short papers together with abstracts of 5 invited talks, carefully reviewed and selected from 564 papers submitted. The papers offer a wealth of new results in knowledge discovery in databases and address all current issues in the area.

Digital Healthcare Empowering Europeans

Proceedings of MIE2015

IOS Press The digitization of healthcare has become almost ubiquitous in recent years, spreading from healthcare organizations into the homes and personal appliances of practically every citizen. Thanks to the collective efforts of health professionals, patients and care providers as well as systems developers and researchers, the entire population of Europe is able to participate in and enjoy the benefits of digitized health information. This book presents the proceedings of the 26th Medical Informatics in Europe Conference (MIE2015), held in Madrid, Spain, in May 2015. The conference brings together participants who share their latest achievements in biomedical and health Informatics, including the role of the user in digital healthcare, and provides a forum for discussion of the inherent challenges to design and adequately deploy ICT tools, the assessment of health IT interventions, the training of users and the exploitation of available information and knowledge to further the continuous and ubiquitous availability and interoperability of medical information systems. Contributions address methodologies and applications, success stories and lessons learned as well as an overview of on-going projects and directions for the future. The book will be of interest to all those involved in the development, delivery and consumption of health and care information.

Deep Learning

MIT Press An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, Deep Learning is the only comprehensive book on the subject." —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

Adaptive Hypermedia and Adaptive Web-Based Systems

5th International Conference, AH 2008, Hannover, Germany, July 29 - August 1, 2008, Proceedings

Springer Science & Business Media Adaptive Hypermedia has emerged as an important area of both academic and deployed research. It encompasses a broad range of research that will enable personalized, adaptive hypermedia systems to play an even more effective role in people's lives. The Web has enabled the widespread use of many personalized systems, such as recommenders, personalized filters and retrieval systems, e-learning systems and various forms

of collaborative systems. Such systems have been widely deployed in diverse domains such as e-Commerce, e-Health, e-Government, digital libraries, personalized travel planning as well as tourist and cultural heritage services. They are particularly promising for users with special needs. The exciting possibilities of such deployed adaptive hypermedia systems rely on research progress in a broad range of areas such as: user profiling and modeling; acquisition, updating and management of user models; group modeling and community-based profiling; recommender systems and recommendation strategies; data mining for personalization; the Semantic Web; adaptive multimedia content authoring and delivery; ubiquitous computing environments and Smart Spaces; personalization for the plethora of mobile devices, such as PDAs, mobile phones and other hand-held devices; and pragmatics such as privacy, trust and security. Empirical studies of adaptive hypermedia and Web systems are also critical to informing future directions. The Adaptive Hypermedia conferences have become the major forums for the scientific exchange and presentation of research results on adaptive hypermedia and adaptive Web-based systems.

Research and Advanced Technology for Digital Libraries 14th European Conference, ECDL 2010, Glasgow, UK, September 6-10, 2010, Proceedings

Springer Science & Business Media This book constitutes the proceedings of the 14th European Conference on Research and Advanced Technology for Digital Libraries, ECDL 2010, held in Glasgow, UK, in September 2010. The 22 long papers, 14 short papers, 19 posters and 9 demos presented in this volume were carefully reviewed and selected from 102 full paper submissions, 40 poster submissions, and 13 demo submissions. In addition the book contains the abstract of a keynote speech and an appendix stating information on the doctoral consortium, the workshops, and tutorials, as well as the panel, which were held at the conference. The papers are grouped in topical sections on system architectures, metadata, multimedia IR, interaction and interoperability, digital preservation, social Web/Web 2.0, search in digital libraries, (meta) analysis of digital libraries, query log analysis, cooperative work in DLs, ontologies, and domain-specific DLs, posters and demos.

Federalism and Regional Policy in Contemporary Russia (Open Access)

Routledge How do Russian leaders balance the need to decentralize governance in a socially and politically complex country with the need to guarantee political control of the state? Since the early 2000s Russian federal authorities have arranged a system of political control on regional elites and their leaders, providing a "police control" of special bodies subordinated by the federal center on policy implementation in the regions. Different mechanisms of fiscal federalism and investment policy have been used to ensure regional elites' loyalty and a politically centralized but administratively decentralized system has been created. Asking clear, direct, and theoretically informed questions about the relationship between federalism, decentralization and authoritarianism, this book explores the political survival of authoritarian leaders, the determinants of policy formulation, and theories of federalism and decentralization, to reach a new understanding of territorial governance in contemporary Russia. As such, it is an important work for students and researchers in Russian studies and regional and federal studies.

Handbook of Big Data Privacy

Springer Nature This handbook provides comprehensive knowledge and includes an overview of the current state-of-the-art of Big Data Privacy, with chapters written by international world leaders from academia and industry working in this field. The first part of this book offers a review of security challenges in critical infrastructure and offers methods that utilize artificial intelligence (AI) techniques to overcome those issues. It then focuses on big data security and privacy issues in relation to developments in the Industry 4.0. Internet of Things (IoT) devices are becoming a major source of security and privacy concern in big data platforms. Multiple solutions that leverage machine learning for addressing security and privacy issues in IoT environments are also discussed in this handbook. The second part of this handbook is focused on privacy and security issues in different layers of big data systems. It discusses about methods for evaluating security and privacy of big data systems on network, application and physical layers. This handbook elaborates on existing methods to use data analytic and AI techniques at different layers of big data platforms to identify privacy and security attacks. The final part of this handbook is focused on analyzing cyber threats applicable to the big data environments. It offers an in-depth review of attacks applicable to big data platforms in smart grids, smart farming, FinTech, and health sectors. Multiple solutions are presented to detect, prevent and analyze cyber-attacks and assess the impact of malicious payloads to those environments. This handbook provides information for security and privacy experts in most areas of big data including; FinTech, Industry 4.0, Internet of Things, Smart Grids, Smart Farming and more. Experts working in big data, privacy, security, forensics, malware analysis, machine learning and data analysts will find this handbook useful as a reference. Researchers and advanced-level computer science students focused on computer systems, Internet of Things, Smart Grid, Smart Farming, Industry 4.0 and network analysts will also find this handbook useful as a reference.

Digital Libraries: International Collaboration and Cross-Fertilization

7th International Conference on Asian Digital Libraries, ICADL 2004, Shanghai, China, December 13-17, 2004, Proceedings

Springer Science & Business Media The International Conference on Asian Digital Libraries (ICADL) is an annual international forum that provides opportunities for librarians, researchers and experts to exchange their research results, innovative ideas, service experiences and state-of-the-art developments in the field of digital libraries. Building on the success of the first six ICADL conferences, the 7th ICADL conference hosted by the Shanghai Jiao Tong University and the Shanghai Library in Shanghai, China aimed to further strengthen the academic collaboration and strategic alliance in the Asia-Pacific Region in the development of digital libraries. The theme of ICADL 2004 was: **Digital library: International Collaboration and Cross-fertilization**, with its focus on technology, services, management and localization. The conference began with an opening ceremony and the conference program featured 9 keynote speeches and 5 invited speeches by local and international experts. During the 3-day program, 40 research paper presentations were given in 3 parallel sessions. The conference also included 6 tutorials and an exhibition. The conference received 359 submissions, comprising 248 full papers and 111 short papers. Each paper was carefully reviewed by the Program Committee members. Finally, 44 full papers, 15 short papers and 37 poster papers were selected. On behalf of the Organizing and Program Committees of ICADL 2004, we would like to express our appreciation to all authors and attendees for participating in the conference. We also thank the sponsors, Program Committee members, supporting organizations and helpers for making the conference a success. Without their efforts, the conference would not have been possible.

Peer-to-Peer Systems IV

4th International Workshop, IPTPS 2005, Ithaca, NY, USA, February 24-25, 2005, Revised Selected Papers

Springer Science & Business Media This book constitutes the thoroughly refereed post-proceedings of the 4th International Workshop on Peer-to-Peer Systems, IPTPS 2005, held at Cornell University, Ithaca, NY, USA, in February 2005. The 24 revised full papers were carefully selected during two rounds of reviewing and improvements from 123 submissions. The papers document the state of the art in peer-to-peer computing research. They are organized in topical sections on security and incentives, search, multicast, overlay algorithms, empirical studies, and network locality. The proceedings also include a report with a summary of discussions held at the workshop.

NEO 2015

Results of the Numerical and Evolutionary Optimization Workshop NEO 2015 held at September 23-25 2015 in Tijuana, Mexico

Springer This volume comprises a selection of works presented at the Numerical and Evolutionary Optimization (NEO) workshop held in September 2015 in Tijuana, Mexico. The development of powerful search and optimization techniques is of great importance in today's world that requires researchers and practitioners to tackle a growing number of challenging real-world problems. In particular, there are two well-established and widely known fields that are commonly applied in this area: (i) traditional numerical optimization techniques and (ii) comparatively recent bio-inspired heuristics. Both paradigms have their unique strengths and weaknesses, allowing them to solve some challenging problems while still failing in others. The goal of the NEO workshop series is to bring together people from these and related fields to discuss, compare and merge their complimentary perspectives in order to develop fast and reliable hybrid methods that maximize the strengths and minimize the weaknesses of the underlying paradigms. Through this effort, we believe that the NEO can promote the development of new techniques that are applicable to a broader class of problems. Moreover, NEO fosters the understanding and adequate treatment of real-world problems particularly in emerging fields that affect us all such as health care, smart cities, big data, among many others. The

extended papers the NEO 2015 that comprise this book make a contribution to this goal.

Aging Mechanisms II

Longevity, Metabolism, and Brain Aging

Springer Nature

High Dynamic Range Video

Concepts, Technologies and Applications

Academic Press High Dynamic Range Video: Concepts, Technologies and Applications gives an introduction to a full range of topics within the end-to-end HDR video pipeline, covering the issues around capturing HDR and stereo HDR video, such as ghosting and use of legacy LDR systems, how HDR video can be manipulated, including real-time mixing, the very latest designs for HDR displays, HDR video on mobile devices, and the applications of HDR video. With this book, the reader will gain an overview of the current state-of-the-art of HDR video, learn the potential of HDR video to provide a step change to a wide range of imaging applications, and attain the knowledge needed to introduce HDR video in their own applications. Written by experts who have been actively researching High Dynamic Range Video Covers a full range of topics within the end-to-end HDR video pipeline Provides applications that demonstrate how HDR video can be applied

A Theory of Human Motivation

GENERAL PRESS US psychologist Abraham Maslow's A Theory of Human Motivation is a classic of psychological research that helped change the field for good. Like many field-changing thinkers, Maslow was not just a talented researcher, he was also a creative thinker - able to see things from a new perspective and show them in a different light. He studied what he called exemplary people such as Albert Einstein, Jane Addams, Eleanor Roosevelt, and Frederick Douglass rather than mentally ill or neurotic people. Maslow generated new ideas, forging what he called 'positive' or 'humanistic psychology'. His argument was that humans are psychologically motivated by a series of hierarchical needs, starting with the most essential first. His theories parallel many other theories of human developmental psychology, some of which focus on describing the stages of growth in humans.

Handbook of Applied Cryptography

CRC Press Cryptography, in particular public-key cryptography, has emerged in the last 20 years as an important discipline that is not only the subject of an enormous amount of research, but provides the foundation for information security in many applications. Standards are emerging to meet the demands for cryptographic protection in most areas of data communications. Public-key cryptographic techniques are now in widespread use, especially in the financial services industry, in the public sector, and by individuals for their personal privacy, such as in electronic mail. This Handbook will serve as a valuable reference for the novice as well as for the expert who needs a wider scope of coverage within the area of cryptography. It is a necessary and timely guide for professionals who practice the art of cryptography. The Handbook of Applied Cryptography provides a treatment that is multifunctional: It serves as an introduction to the more practical aspects of both conventional and public-key cryptography It is a valuable source of the latest techniques and algorithms for the serious practitioner It provides an integrated treatment of the field, while still presenting each major topic as a self-contained unit It provides a mathematical treatment to accompany practical discussions It contains enough abstraction to be a valuable reference for theoreticians while containing enough detail to actually allow implementation of the algorithms discussed Now in its third printing, this is the definitive cryptography reference that the novice as well as experienced developers, designers, researchers, engineers, computer scientists, and mathematicians alike will use.

Data Warehousing and Knowledge Discovery

13th International Conference, DaWaK 2011, Toulouse, France, August 29- September 2, 2011, Proceedings

Springer This book constitutes the refereed proceedings of the 13th International Conference on Data Warehousing and Knowledge Discovery, DaWak 2011 held in Toulouse, France in August/September 2011. The 37 revised full papers presented were carefully reviewed and selected from 119 submissions. The papers are organized in topical sections on physical and conceptual data warehouse models, data warehousing design methodologies and tools, data warehouse performance and optimization, pattern mining, matrix-based mining techniques and stream, sensor and time-series mining.

Internet Resource Pricing Models

Springer Science & Business Media This brief guides the reader through three basic Internet resource pricing models using an Internet cost analysis. Addressing the evolution of service types, it presents several corresponding mechanisms which can ensure pricing implementation and resource allocation. The authors discuss utility optimization of network pricing methods in economics and underline two classes of pricing methods including system optimization and entities' strategic optimization. The brief closes with two examples of the newly proposed pricing strategy helping to solve the profit distribution problem brought by P2P free-riding and improve the pricing efficiency with the introduction of the price discrimination. The Internet resource pricing strategy is not only the key factor of Internet resource allocation efficiency, but also the determinant of the profit. The methods and models discussed in Internet Resource Pricing Models increase the efficiency of existing pricing strategies to ensure a sound and sustainable development of the Internet. The brief will help researchers and professionals working with this key factor of Internet resource allocation.

The Oxford Handbook of Networked Communication

Oxford University Press Communication technologies, including the internet, social media, and countless online applications create the infrastructure and interface through which many of our interactions take place today. This form of networked communication creates new questions about how we establish relationships, engage in public, build a sense of identity, and delimit the private domain. The ubiquitous adoption of new technologies has also produced, as a byproduct, new ways of observing the world: many of our interactions now leave a digital trail that, if followed, can help us unravel the rhythms of social life and the complexity of the world we inhabit--and thus help us reconstruct the logic of social order and change. The analysis of digital data requires partnerships across disciplinary boundaries that--although on the rise--are still uncommon. Social scientists and computer scientists have never been closer in their goals of trying to understand communication dynamics, but there are not many venues where they can engage in an open exchange of methods and theoretical insights. This handbook brings together scholars across the social and technological sciences to lay the foundations of communication research in the networked age, and to provide a canon of how research should be conducted in the digital era. The contributors highlight the main theories currently guiding their research in digital communication, and discuss state-of-the-art methodological tools, including automated text analysis, the analysis of networks, and the use of natural experiments in virtual environments. Following a general introduction, the handbook covers network and information flow, communication and organizational dynamics, interactions and social capital, mobility and space, political communication and behavior, and the ethics of digital research.

ECCWS 2020 20th European Conference on Cyber Warfare and Security

Academic Conferences and publishing limited These proceedings represent the work of contributors to the 19th European Conference on Cyber Warfare and Security (ECCWS 2020), supported by University of Chester, UK on 25-26 June 2020. The Conference Co-chairs are Dr Thaddeus Eze and Dr Lee Speakman, both from University of Chester and the Programme Chair is Dr Cyril Onwubiko from IEEE and Director, Cyber Security Intelligence at Research Series Limited. ECCWS is a well-established event on the academic research calendar and now in its 19th year the key aim remains the opportunity for participants to share ideas and meet. The conference was due to be held at University of Chester, UK, but due to the global Covid-19 pandemic it was moved online to be held as a virtual event. The scope of papers will ensure an interesting conference. The subjects covered illustrate the wide range of topics that fall into this important and ever-growing area of research.

Data and Applications Security XXII

22nd Annual IFIP WG 11.3 Working Conference on Data and Applications Security London, UK, July 13-16, 2008, Proceedings

Springer This volume contains the papers presented at the 22nd Annual IFIP WG 11.3 Working Conference on Data and Applications Security (DBSEC) held in London, UK, July 13-16, 2008. This year's working conference continued its tradition of being a forum for disseminating original research results and practical experiences in data and applications security. This year we had an excellent program that consists of 9 research paper sessions with 22 high-quality research papers, which were selected from a total of 56 submissions after a rigorous reviewing process by the Program Committee members and external reviewers. These sessions included such topics as access control, privacy, auditing, systems security and data security in advanced application domains. In addition, the program included a keynote

address, an invited talk and a panel session. The success of this conference was a result of the efforts of many people. I would like to extend my appreciation to the Program Committee members and external reviewers for their hard work. I would like to thank the General Chair, Steve Barker, for taking care of the organization aspects of the conference and for arranging the keynote address and the panel session. I would also like to thank Claudio Ardagna for serving as the Publicity Chair and for promptly updating the conference Web page, and Don Lokuadassuriyage for serving as the Local Arrangements Chair. Special thanks go to Alfred Hofmann, Editorial Director at Springer, for agreeing to include these conference proceedings in the Lecture Notes in Computer Science series.

Securing Digital Video

Techniques for DRM and Content Protection

Springer Science & Business Media Content protection and digital rights management (DRM) are fields that receive a lot of attention: content owners require systems that protect and maximize their revenues; consumers want backwards compatibility, while they fear that content owners will spy on their viewing habits; and academics are afraid that DRM may be a barrier to knowledge sharing. DRM technologies have a poor reputation and are not yet trusted. This book describes the key aspects of content protection and DRM systems, the objective being to demystify the technology and techniques. In the first part of the book, the author builds the foundations, with sections that cover the rationale for protecting digital video content; video piracy; current toolboxes that employ cryptography, watermarking, tamper resistance, and rights expression languages; different ways to model video content protection; and DRM. In the second part, he describes the main existing deployed solutions, including video ecosystems; how video is protected in broadcasting; descriptions of DRM systems, such as Microsoft's DRM and Apple's FairPlay; techniques for protecting prerecorded content distributed using DVDs or Blu-ray; and future methods used to protect content within the home network. The final part of the book looks towards future research topics, and the key problem of interoperability. While the book focuses on protecting video content, the DRM principles and technologies described are also used to protect many other types of content, such as ebooks, documents and games. The book will be of value to industrial researchers and engineers developing related technologies, academics and students in information security, cryptography and media systems, and engaged consumers.

Emerging and Reemerging Viral Pathogens

Volume 2: Applied Virology Approaches Related to Human, Animal and Environmental Pathogens

Academic Press Emerging and Reemerging Viral Pathogens: Applied Virology Approaches Related to Human, Animal and Environmental Pathogens, Volume Two presents new research information on viruses and their impact on the scientific community. It provides a reference book on certain viruses in humans, animals and vegetal, along with a comprehensive discussion on interspecies interactions. The book then looks at the drug, vaccine and bioinformatical strategies that can be used against these viruses, giving the reader a clear understanding of transmission. The book's end goal is to create awareness that the appearance of newly transmissible pathogens is a global risk that requires shared/adoptable policies for prevention and control. Covers most emerging viral disease in humans, animals and plants Provides the most advanced tools and techniques in molecular virology and the modeling of viruses Creates awareness that the appearance of new transmissible pathogens is a global risk Highlights the need to adopt shared policies for the prevention and control of infectious diseases

Data-Driven Modelling of Non-Domestic Buildings Energy Performance

Supporting Building Retrofit Planning

Springer Nature This book outlines the data-driven modelling of building energy performance to support retrofit decision-making. It explains how to determine the appropriate machine learning (ML) model, explores the selection and expansion of a reasonable dataset and discusses the extraction of relevant features and maximisation of model accuracy. This book develops a framework for the quick selection of a ML model based on the data and application. It also proposes a method for optimising ML models for forecasting buildings energy loads by employing multi-objective optimisation with evolutionary algorithms. The book then develops an energy performance prediction model for non-domestic buildings using ML techniques, as well as utilising a case study to lay out the process of model development. Finally, the book outlines a framework to choose suitable artificial intelligence methods for modelling building energy performances. This book is of use to both academics and practising energy engineers, as it provides theoretical and practical advice relating to data-driven modelling for energy retrofitting of non-domestic buildings.

Multidisciplinary Perspectives in Cryptology and Information Security

IGI Global With the prevalence of digital information, IT professionals have encountered new challenges regarding data security. In an effort to address these challenges and offer solutions for securing digital information, new research on cryptology methods is essential. **Multidisciplinary Perspectives in Cryptology and Information Security** considers an array of multidisciplinary applications and research developments in the field of cryptology and communication security. This publication offers a comprehensive, in-depth analysis of encryption solutions and will be of particular interest to IT professionals, cryptologists, and researchers in the field.

Academic Search Engines

A Quantitative Outlook

Elsevier Academic Search Engines: intends to run through the current panorama of the academic search engines through a quantitative approach that analyses the reliability and consistence of these services. The objective is to describe the main characteristics of these engines, to highlight their advantages and drawbacks, and to discuss the implications of these new products in the future of scientific communication and their impact on the research measurement and evaluation. In short, **Academic Search Engines** presents a summary view of the new challenges that the Web set to the scientific activity through the most novel and innovative searching services available on the Web. This is the first approach to analyze search engines exclusively addressed to the research community in an integrative handbook. The novelty, expectation and usefulness of many of these services justify their analysis. This book is not merely a description of the web functionalities of these services; it is a scientific review of the most outstanding characteristics of each platform, discussing their significance to the scholarly communication and research evaluation. This book introduces an original methodology based on a quantitative analysis of the covered data through the extensive use of crawlers and harvesters which allow going in depth into how these engines are working. Beside of this, a detailed descriptive review of their functionalities and a critical discussion about their use for scientific community is displayed.

Proceedings of the 2015 Federated Conference on Software Development and Object Technologies

Springer This book presents the proceedings of the International Conference SDOT which was organized at the University in Žilina, Faculty of Management Sciences and Informatics, Slovak Republic in November 19, 2015. The conference was truly international both in terms of the amount of foreign contributions and in terms of composition of steering and scientific committees. The book and the conference serves as a platform of professional exchange of knowledge and experience for the latest trends in software development and object-oriented technologies (theory and practice). This proceedings present information on the latest developments and mediate the exchange of experience between practitioners and academia.

Frameworks, Methodologies, and Tools for Developing Rich Internet Applications

IGI Global Technological advances in the field of IT lead to the creation of new programs intended to merge the advantages of desktop-based programs with the advantages of Web-based programs in order to increase user accessibility and provide effective computer performance. **Frameworks, Methodologies, and Tools for Developing Rich Internet Applications** presents current research and analysis on the use of JavaScript and software development to establish new programs intended for the Web. With an in-depth look at computer and Web programming, this publication emphasizes the benefits and dynamic qualities of these emerging technologies. This book is an essential reference source for academicians, researchers, students, practitioners, and professionals interested in understanding and applying the advances in the combined fields of Web engineering and desktop programming in order to increase computer users' visual experience and interactivity.

Basics of Qualitative Research

Techniques and Procedures for Developing Grounded

Theory

SAGE Publications, Incorporated The Second Edition of this best-selling textbook continues to offer immensely practical advice and technical expertise that will aid researchers in analyzing and interpreting their collected data, and ultimately build theory from it. The authors provide a step-by-step guide to the research act. Full of definitions and illustrative examples, the book presents criteria for evaluating a study as well as responses to common questions posed by students of qualitative research.

International Migration Outlook 2018

OECD Publishing The 2018 edition of International Migration Outlook analyses recent developments in migration movements and policies in OECD countries and some non member countries, and looks at the evolution of the labour market outcomes of immigrants in OECD countries, with a focus on the migrants' job ...

Handbook of Big Geospatial Data

Springer Nature This handbook covers a wide range of topics related to the collection, processing, analysis, and use of geospatial data in their various forms. This handbook provides an overview of how spatial computing technologies for big data can be organized and implemented to solve real-world problems. Diverse subdomains ranging from indoor mapping and navigation over trajectory computing to earth observation from space, are also present in this handbook. It combines fundamental contributions focusing on spatio-textual analysis, uncertain databases, and spatial statistics with application examples such as road network detection or colocation detection using GPUs. In summary, this handbook gives an essential introduction and overview of the rich field of spatial information science and big geospatial data. It introduces three different perspectives, which together define the field of big geospatial data: a societal, governmental, and governance perspective. It discusses questions of how the acquisition, distribution and exploitation of big geospatial data must be organized both on the scale of companies and countries. A second perspective is a theory-oriented set of contributions on arbitrary spatial data with contributions introducing into the exciting field of spatial statistics or into uncertain databases. A third perspective is taking a very practical perspective to big geospatial data, ranging from chapters that describe how big geospatial data infrastructures can be implemented and how specific applications can be implemented on top of big geospatial data. This would include for example, research in historic map data, road network extraction, damage estimation from remote sensing imagery, or the analysis of spatio-textual collections and social media. This multi-disciplinary approach makes the book unique. This handbook can be used as a reference for undergraduate students, graduate students and researchers focused on big geospatial data. Professionals can use this book, as well as practitioners facing big collections of geospatial data.

The Political Economy of Chinese Finance

Emerald Group Publishing Volume 17 of International Finance Review focusses on a variety of issues relating to the political economy of Chinese finance.

Cryptography and Security Services: Mechanisms and Applications

Mechanisms and Applications

IGI Global Addresses cryptography from the perspective of security services and mechanisms available to implement them. Discusses issues such as e-mail security, public-key architecture, virtual private networks, Web services security, wireless security, and confidentiality and integrity. Provides a working knowledge of fundamental encryption algorithms and systems supported in information technology and secure communication networks.

Over 40 Publications / Studies Combined: UAS / UAV / Drone Swarm Technology Research

Jeffrey Frank Jones Over 3,800 total pages ... Just a sample of the studies / publications included: Drone Swarms Terrorist and Insurgent Unmanned Aerial Vehicles: Use, Potentials, and Military Implications Countering A2/AD with Swarming Stunning Swarms: An Airpower Alternative to Collateral Damage Ideal Directed-Energy System To Defeat Small Unmanned Aircraft System Swarms Break the Kill Chain, not the Budget: How to Avoid U.S. Strategic Retrenchment Gyges Effect: An Ethical Critique of Lethal Remotely Piloted Aircraft Human Robotic Swarm Interaction Using an Artificial Physics Approach Swarming UAS II Swarming Unmanned Aircraft Systems Communication Free Robot Swarming UAV Swarm Attack: Protection System Alternatives for Destroyers Confidential and Authenticated Communications in a Large Fixed-Wing UAV Swarm UAV Swarm Behavior Modeling for Early Exposure of Failure Modes

Optimized Landing of Autonomous Unmanned Aerial Vehicle Swarms Mini, Micro, and Swarming Unmanned Aerial Vehicles: A Baseline Study UAV Swarm Operational Risk Assessment System SmartSwarms: Distributed UAVs that Think Command and Control Autonomous UxV's UAV Swarm Tactics: An Agent-Based Simulation and Markov Process Analysis A Novel Communications Protocol Using Geographic Routing for Swarming UAVs Performing a Search Mission Accelerating the Kill Chain via Future Unmanned Aircraft Evolution of Control Programs for a Swarm of Autonomous Unmanned Aerial Vehicles AFIT UAV Swarm Mission Planning and Simulation System A Genetic Algorithm for UAV Routing Integrated with a Parallel Swarm Simulation Applying Cooperative Localization to Swarm UAVS Using an Extended Kalman Filter A Secure Group Communication Architecture for a Swarm of Autonomous Unmanned Aerial Vehicles Braving the Swarm: Lowering Anticipated Group Bias in Integrated Fire/Police Units Facing Paramilitary Terrorism Distributed Beamforming in a Swarm UAV Network Integrating UAS Flocking Operations with Formation Drag Reduction Tracking with a Cooperatively Controlled Swarm of GMTI Equipped UAVS Using Agent-Based Modeling to Evaluate UAS Behaviors in a Target-Rich Environment Experimental Analysis of Integration of Tactical Unmanned Aerial Vehicles and Naval Special Warfare Operations Forces Target Acquisition Involving Multiple Unmanned Air Vehicles: Interfaces for Small Unmanned Air Systems (ISUS) Program Tools for the Conceptual Design and Engineering Analysis of Micro Air Vehicles Architectural Considerations for Single Operator Management of Multiple Unmanned Aerial Vehicles

Private Data and Public Value

Governance, Green Consumption, and Sustainable Supply Chains

Springer This book investigates the ways in which these systems can promote public value by encouraging the disclosure and reuse of privately-held data in ways that support collective values such as environmental sustainability. Supported by funding from the National Science Foundation, the authors' research team has been working on one such system, designed to enhance consumers ability to access information about the sustainability of the products that they buy and the supply chains that produce them. Pulled by rapidly developing technology and pushed by budget cuts, politicians and public managers are attempting to find ways to increase the public value of their actions. Policymakers are increasingly acknowledging the potential that lies in publicly disclosing more of the data that they hold, as well as incentivizing individuals and organizations to access, use, and combine it in new ways. Due to technological advances which include smarter phones, better ways to track objects and people as they travel, and more efficient data processing, it is now possible to build systems which use shared, transparent data in creative ways. The book adds to the current conversation among academics and practitioners about how to promote public value through data disclosure, focusing particularly on the roles that governments, businesses and non-profit actors can play in this process, making it of interest to both scholars and policy-makers.

EHealth - For Continuity of Care

Proceedings of MIE2014

IOS Press Information technology and the information sciences have been part of our lives for some time now. They have revolutionized the healthcare system, changing the whole health landscape, as well as health culture. New devices, sources of data and roles for all those involved in healthcare are being developed as a result. This book presents the proceedings of the 25th European Medical Informatics Conference, held in Istanbul, Turkey in August/September 2014. The conference aims to present the most recent developments in biomedical informatics. The book is divided into 15 sections, which include: decision support systems and clinical practice guidelines; improved healthcare through informatics; data analysis; mobile health; technology and system evaluation; and text mining. The final two sections present posters from the conference. The book will be of interest to all those in the healthcare sector, researchers and practitioners alike, who develop, evaluate or work with information technology.

Migration and Development in Africa

Trends, Challenges, and Policy Implications

Lexington Books This book explores the varied disciplinary viewpoints in explaining the phenomenon of migration and development in Africa. It presents the main trends in African migration in the past two decades, analyzing major migration trends, various migration hubs, and underlying factors explaining the changing nature of migration across the continent.

Affective Computing and Intelligent Interaction

Fourth International Conference, ACII 2011, Memphis, TN, USA, October 9-12, 2011; Proceedings, Part II

Springer The two-volume set LNCS 6974 and LNCS 6975 constitutes the refereed proceedings of the Fourth International Conference on Affective Computing and Intelligent Interaction, ACII 2011, held in Memphis, TN, USA, in October 2011. The 135 papers in this two volume set presented together with 3 invited talks were carefully reviewed and selected from 196 submissions. The papers are organized in topical sections on recognition and synthesis of human affect, affect-sensitive applications, methodological issues in affective computing, affective and social robotics, affective and behavioral interfaces, relevant insights from psychology, affective databases, Evaluation and annotation tools.