
Download Free Global Aggregate Solutions

As recognized, adventure as without difficulty as experience very nearly lesson, amusement, as with ease as concurrence can be gotten by just checking out a books **Global Aggregate Solutions** plus it is not directly done, you could take on even more a propos this life, all but the world.

We have enough money you this proper as well as simple mannerism to acquire those all. We offer Global Aggregate Solutions and numerous book collections from fictions to scientific research in any way. along with them is this Global Aggregate Solutions that can be your partner.

KEY=AGGREGATE - MOYER NOELLE

Adaptive and Multilevel Metaheuristics

Springer Science & Business Media *This cutting edge volume presents recent advances in the area of adaptativeness in metaheuristic optimization. It includes up-to-date reviews of hyperheuristics and self-adaptation in evolutionary algorithms.*

Assessing the Regulatory,
Economic, and Market Implications
of the Dodd-Frank Derivatives Title
Hearing Before the Committee on
Financial Services, U.S. House of
Representatives, One Hundred
Twelfth Congress, First Session,

February 15, 2011

Applications of Evolutionary Computing

EvoWorkshops: EvoBIO,
EvoCOMNET, EvoHot, EvoIASP,
EvoMUSART, and EvoSTOC

Springer *Evolutionary computation (EC) techniques are efficient nature-inspired planning and optimization methods based on the principles of natural evolution and genetics. Due to their efficiency and the simple underlying principles, these methods can be used for a large number of problems in the context of problem solving, optimization, and machine learning. A large and continuously increasing number of researchers and practitioners make use of EC techniques in many application domains. The book at hand presents a careful selection of relevant EC applications combined with thorough examinations of techniques for a successful application of EC. The presented papers illustrate the current state of the art in the application of EC and should help and inspire researchers and practitioners to develop efficient EC methods for design and problem solving. All papers in this book were presented during EvoWorkshops 2005, which was a varying collection of workshops on application-oriented aspects of EC. Since 1999, the format of the EvoWorkshops has proved to be very successful and well representative of the advances in the application of EC. Consequently, over the last few years, EvoWorkshops has become one of the major events addressing the application of EC. In contrast to other large conferences in the EC field, the EvoWorkshops focus solely on application aspects of EC and are an important link between EC research and the application of EC in a large variety of different domains.*

Nature Inspired Cooperative Strategies for Optimization (NICSO 2007)

Springer Science & Business Media *Biological and natural processes have been a continuous source of inspiration for the sciences and engineering. For instance, the work of Wiener in cybernetics was influenced by feedback control processes observable in biological systems; McCulloch and Pitts description of the artificial*

neuron was instigated by biological observations of neural mechanisms; the idea of survival of the fittest inspired the field of evolutionary algorithms and similarly, artificial immune systems, ant colony optimisation, automated self-assembling programming, membrane computing, etc. also have their roots in natural phenomena. The second International Workshop on Nature Inspired Cooperative Strategies for Optimization (NICSO), was held in Acireale, Italy, during November 8-10, 2007. The aim for NICSO 2007 was to provide a forum where the latest ideas and state of the art research related to cooperative strategies for problem solving arising from Nature could be discussed. The contributions collected in this book were strictly peer reviewed by at least three members of the international programme committee, to whom we are indebted for their support and assistance. The topics covered by the contributions include several well established nature inspired techniques like Genetic Algorithms, Ant Colonies, Artificial Immune Systems, Evolutionary Robotics, Evolvable Systems, Membrane Computing, Quantum Computing, Software Self Assembly, Swarm Intelligence, etc.

Nature Inspired Cooperative Strategies for Optimization (NICSO 2011)

Springer Biological and other natural processes have always been a source of inspiration for computer science and information technology. Many emerging problem solving techniques integrate advanced evolution and cooperation strategies, encompassing a range of spatio-temporal scales for visionary conceptualization of evolutionary computation. The previous editions of NICSO were held in Granada, Spain (2006), Acireale, Italy (2007), Tenerife, Spain (2008), and again in Granada in 2010. NICSO evolved to be one of the most interesting and profiled workshops in nature inspired computing. NICSO 2011 has offered an inspiring environment for debating the state of the art ideas and techniques in nature inspired cooperative strategies and a comprehensive image on recent applications of these ideas and techniques. The topics covered by this volume include Swarm Intelligence (such as Ant and Bee Colony Optimization), Genetic Algorithms, Multiagent Systems, Coevolution and Cooperation strategies, Adversarial Models, Synergic Building Blocks, Complex Networks, Social Impact Models, Evolutionary Design, Self Organized Criticality, Evolving Systems, Cellular Automata, Hybrid Algorithms, and Membrane Computing (P-Systems).

Information and Communication Technology and Small and Medium

Sized Enterprises

From Theory to Practice

Cambridge Scholars Publishing *The arrival of Information and Communication Technology may play a role in restoring competitiveness, since these technologies are also a factor in relaxing the constraints specific to SMEs. ICT makes a number of services possible in a large range of processes and transactions within and between companies. Internally, ICT applications can improve knowledge and information management practices; they can also allow more rapid and more reliable transactions between businesses (B2B) and between businesses and consumers (B2C). They are equally quite effective in improving external business communications and service quality for both new and existing clients. They also appear to be a source of competitive advantage for SMEs under certain conditions. Few studies have focused on the ways that SMEs can use ICT to improve and defend their competitive positions. This book provides a synthesis of the advantages of ICT for SMEs. Seven chapters illustrate the technologies used in such companies. Each of these chapters provides a theoretical and/or practical view of the way that SMEs can use ICT. This book is an indispensable reference for both academics and for practitioners.*

Optimization Models and Concepts in Production Management

CRC Press *Optimization techniques in production management are becoming increasingly important for efficient and competitive manufacturing. This book presents a collection of tutorial papers by outstanding researchers on the application of optimization concepts. Topics introduced include hierarchical production planning and large scale scheduling, optimal production control, exact and heuristic algorithms for production scheduling and stochastic modelling.*

State Learning and International Change

University of Michigan Press *Explaining change in the behavior of states and other international actors is at the core of the study of international relations. The proficiency with which states respond to changes in the international environment has important consequences for world peace and the world economy as well as domestic politics and well being. One way to understand changes in behavior is to consider whether and how states learn. Key to understanding this is considering how the groups responsible for making decisions learn and make decisions. Andrew Farkas presents an evolutionary theory of how states adjust their foreign policies in*

response to international changes. Employing both formal models and computer simulations, Farkas explores the relative efficacy of a wide range of alternative strategies for dealing with unanticipated changes in the international environment, and goes a long way toward reconciling the success of rational choice modeling with criticism from psychological studies of decision making. Farkas looks at the way small groups charged with making policy decisions work. He explicitly models the process of search and policy selection. He demonstrates how a group of disparate individuals can act as if it were a unitary rational actor and provides the first endogenous account of when and why groups curtail their search for satisfactory policies. Farkas uses the general model to explore the effects of different institutional designs on the decisionmaking process. This book will be of interest to scholars of international relations, learning models and group processes. Andrew Farkas is Assistant Professor of Political Science, Rutgers University.

Generative Modeling for Computer Graphics and Cad

Symbolic Shape Design Using Interval Analysis

Academic Press *Generative Modeling for Computer Graphics and Cad: Symbolic Shape Design Using Interval Analysis* presents a symbolic approach to shape representation that is useful to the CAD/CAM and computer graphics communities. This book discusses the kinds of operators useful in a geometric modeling system, including arithmetic operators, vector and matrix operators, integration, differentiation, constraint solution, and constrained minimization. Associated with each operator are several methods that compute properties about the parametric functions represented with the operators. This text also elaborates how numerous rendering and analytical operations can be supported with only three methods—evaluation of the parametric function at a point, symbolic differentiation of the parametric function, and evaluation of an inclusion function for the parametric function. This publication is intended for people working in the area of computational geometry who are interested in a robust class of algorithms for manipulating shapes and those who want to know how human beings can specify and manipulate shape.

Federated Learning

A Comprehensive Overview of

Methods and Applications

Springer Nature *Federated Learning: A Comprehensive Overview of Methods and Applications* presents an in-depth discussion of the most important issues and approaches to federated learning for researchers and practitioners. Federated Learning (FL) is an approach to machine learning in which the training data are not managed centrally. Data are retained by data parties that participate in the FL process and are not shared with any other entity. This makes FL an increasingly popular solution for machine learning tasks for which bringing data together in a centralized repository is problematic, either for privacy, regulatory or practical reasons. This book explains recent progress in research and the state-of-the-art development of Federated Learning (FL), from the initial conception of the field to first applications and commercial use. To obtain this broad and deep overview, leading researchers address the different perspectives of federated learning: the core machine learning perspective, privacy and security, distributed systems, and specific application domains. Readers learn about the challenges faced in each of these areas, how they are interconnected, and how they are solved by state-of-the-art methods. Following an overview on federated learning basics in the introduction, over the following 24 chapters, the reader will dive deeply into various topics. A first part addresses algorithmic questions of solving different machine learning tasks in a federated way, how to train efficiently, at scale, and fairly. Another part focuses on providing clarity on how to select privacy and security solutions in a way that can be tailored to specific use cases, while yet another considers the pragmatics of the systems where the federated learning process will run. The book also covers other important use cases for federated learning such as split learning and vertical federated learning. Finally, the book includes some chapters focusing on applying FL in real-world enterprise settings.

International Economic Negotiation

Models Versus Reality

Edward Elgar Publishing *This book should be of interest to students and scholars of international economics, international business, management and game theory.*

Global Financial Crises

Lessons From Recent Events

Springer Science & Business Media *Throughout the 1990s, major banking and currency crises occurred in many countries around the world. This book contains papers and comments from a conference held to identify and discuss the lessons to be learned from these crises, such as their causes and how to prevent their reoccurrence.*

Nature Inspired Cooperative Strategies for Optimization (NICSO 2008)

Springer Science & Business Media *The inspiration from Biology and the Natural Evolution process has become a research area within computer science. For instance, the description of the artificial neuron given by McCulloch and Pitts was inspired from biological observations of neural mechanisms; the power of evolution in nature in the diverse species that make up our world has been related to a particular form of problem solving based on the idea of survival of the fittest; similarly, artificial immune systems, ant colony optimisation, automated self-assembling programming, membrane computing, etc. also have their roots in natural phenomena. The first and second editions of the International Workshop on Nature Inspired Cooperative Strategies for Optimization (NICSO), were held in Granada, Spain, 2006, and in Acireale, Italy, 2007, respectively. As in these two previous editions, the aim of NICSO 2008, held in Tenerife, Spain, was to provide a forum where the latest ideas and state of the art research related to nature inspired cooperative strategies for problem solving were discussed. The contributions collected in this book were strictly peer reviewed by at least three members of the international programme committee, to whom we are indebted for their support and assistance. The topics covered by the contributions include nature-inspired techniques like Genetic Algorithms, Ant Colonies, Amorphous Computing, Artificial Immune Systems, Evolutionary Robotics, Evolvable Systems, Membrane Computing, Quantum Computing, Software Self Assembly, Swarm Intelligence, etc.*

Handbook of Global Economic Policy

CRC Press *Written by over 20 leading international economists, this book offers "win-win" scenarios to economic problems. As in the other volumes of this set of public policy handbooks, the Handbook of Global Economic Policy employs a unique organizational principle: from viewing economic problems from conservative and liberal perspectives, to developing pra*

Lean Retail. Can lean production help retailers to address global

challenges?

ibidem-Verlag / ibidem Press *Saturated markets, a decreasing valuation of fashion by a part of consumers paired with missing impulses by some companies has brought along a crisis in retail, especially in Europe. Changing consumer demand, customer sophistication, customer empowerment via the internet and rapid industry change are just a few challenges global retailers are facing today. The consequence is big pressure on prices and margins and a need for process excellence. As in the 1990s the American and European automotive industry struggled with similar challenges, a concept named lean production was imported from Japan. It helped some Western automotive companies, like Porsche, and big parts of industry to find their way back on the path of success. Is the route to success via lean production exclusive to industry? Or might retailers today benefit from lean production philosophy? In this book Simon Fauser approaches these questions by analysing lean production philosophy, extracting lean principles and applying these to retail and its challenges.*

Global Logistics and Supply Chain Management

John Wiley & Sons *Global Logistics and Supply Chain Management is a comprehensive, fully up-to-date introduction to the subject. Addressing both practical and strategic perspectives, this revised and updated fourth edition offers readers a balanced and integrated presentation of Logistics and Supply Chain Management (LSCM) concepts, practices, technologies, and applications. Contributions from experts in specific areas of LSCM provide readers with real-world insights on supply chain relationships, transport security, inventory management, supply chain designs, the challenges inherent to globalization and international trade, and more. The text examines how information, materials, products, and services flow across the public and private sectors and around the world. Detailed case studies highlight LSCM practices and strategies in a wide range of contexts, from humanitarian aid and pharmaceutical supply chains to semi-automated distribution centers and port and air cargo logistics. Examples of LSCM in global corporations such as Dell Computer and Jaguar Land Rover highlight the role of new and emerging technologies. This edition features new and expanded discussion of contemporary topics including sustainability, supply chain vulnerability, and reverse logistics, and places greater emphasis on operations management.*

Global HR

Challenges Facing the Function

Gower Publishing, Ltd. *The HR function is having to adjust itself to the implications of the globalisation of business activity. This has meant adjusting its philosophy, policies and practices to fit new organisational imperatives, as well as creating its own refashioned service delivery model. Peter Reilly and Tony Williams's Global HR explores the key issues of building an international brand, culture and talent pool, whilst contributing to business and functional transformation, drawing on examples from multinationals in telecoms, fast-moving consumer goods, manufacturing, software, services and commodities. In doing so, they offer insights into managing people and businesses that no organization can ignore.*

Evolutionary Algorithms for Food Science and Technology

John Wiley & Sons *Researchers and practitioners in food science and technology routinely face several challenges, related to sparseness and heterogeneity of data, as well as to the uncertainty in the measurements and the introduction of expert knowledge in the models. Evolutionary algorithms (EAs), stochastic optimization techniques loosely inspired by natural selection, can be effectively used to tackle these issues. In this book, we present a selection of case studies where EAs are adopted in real-world food applications, ranging from model learning to sensitivity analysis.*

Modelling of virtual memory computer systems with multiple clas...

Trade in the 21st Century

Back to the Past?

Brookings Institution Press *Despite troubled trade negotiations, global trade—and trade policy—will thrive in the twenty-first century, but with a bow to the past. Is the multilateral trading order of the twentieth century a historical artifact? Was the creation of the World Trade Organization in 1995 the high point of multilateral cooperation on trade? This new volume, edited by Bernard M. Hoekman and Ernesto Zedillo, assesses the relevance of the WTO in the context of the rise of China and the United States' turn toward unilateral protectionism. The contributors adopt a historical perspective to discuss changes in global trade policy trends,*

adducing lessons from the past to help understand current trade tensions. Topics include responses to U.S. protectionism under the Trump administration, the policy dimensions of trade in services and the rise of the digital economy, how to strengthen the WTO to better negotiate new rules of the game and adjudicate disputes, managing China's integration into the global trade system, and the implications of global value chains for economic development policies. By reflecting on past episodes of protectionism and how they were resolved, Trade in the 21st Century provides both context and guidance on how trade challenges can be addressed in the coming decades.

NETWORKING 2005. Networking Technologies, Services, and Protocols; Performance of Computer and Communication Networks; Mobile and Wireless Communications Systems

4th International IFIP-TC6 Networking Conference, Waterloo, Canada, May 2-6, 2005, Proceedings

Springer *This book constitutes the refereed proceedings of the 4th International IFIP-TC6 Networking Conference, NETWORKING 2005, held in Waterloo, Canada in May 2005. The 105 revised full papers and 36 posters were carefully reviewed and selected from 430 submissions. The papers are organized in topical sections on peer-to-peer networks, Internet protocols, wireless security, network security, wireless performance, network service support, network modeling and simulation, wireless LAN, optical networks, Internet performance and Web applications, ad-hoc networks, adaptive networks, radio resource management, Internet routing, queuing models, monitoring, network management, sensor networks, overlay multicast, QoS, wireless scheduling, multicast traffic management and engineering, mobility management, bandwidth management, DCMA, and wireless resource management.*

Fundamentals of Traffic Simulation

Springer Science & Business Media *The increasing power of computer technologies, the evolution of software engineering and the advent of the intelligent transport systems has prompted traffic simulation to become one of the most used approaches for traffic analysis in support of the design and evaluation of traffic systems. The ability of traffic simulation to emulate the time variability of traffic phenomena makes it a unique tool for capturing the complexity of traffic systems. In recent years, traffic simulation – and namely microscopic traffic simulation – has moved from the academic to the professional world. A wide variety of traffic simulation software is currently available on the market and it is utilized by thousands of users, consultants, researchers and public agencies. Microscopic traffic simulation based on the emulation of traffic flows from the dynamics of individual vehicles is becoming one of the most attractive approaches. However, traffic simulation still lacks a unified treatment. Dozens of papers on theory and applications are published in scientific journals every year. A search of simulation-related papers and workshops through the proceedings of the last annual TRB meetings would support this assertion, as would a review of the minutes from specially dedicated meetings such as the International Symposiums on Traffic Simulation (Yokohama, 2002; Lausanne, 2006; Brisbane, 2008) or the International Workshops on Traffic Modeling and Simulation (Tucson, 2001; Barcelona, 2003; Sedona, 2005; Graz 2008). Yet, the only comprehensive treatment of the subject to be found so far is in the user's manuals of various software products.*

Nowcasting Aggregate Services Trade

The increasing importance of services trade in the global economy contrasts with the lack of timely data to monitor recent developments. The nowcasting models developed in this paper are aimed at providing insights into current changes in total services trade, as recorded in monthly statistics of the G7 countries. Combining machine-learning techniques and dynamic factor models, the methodology exploits traditional data and Google Trends search data. No single model outperforms the others, but a weighted average of the best models combining machine-learning with dynamic factor models seems to be a promising avenue. The best models improve one-step ahead predictive performance relative to a simple benchmark by 30-35% on average across G7 countries and trade flows. Nowcasting models are estimated to have captured about 67% of the fall in services exports due to the COVID-19 shock and 60% of the fall in imports on average across G7 economies.

Industrial Restructuring in Asia

Implications of the Global Economic Crisis

SAGE Publications India *Industrial Restructuring in Asia: Implications of the Global Economic Crisis* is an attempt to examine the impact of the global economic crisis of 2008 on the industrial structure in Asia. Although the crisis did not originate in Asia, Asian economies and financial markets felt its impact, which is likely to deepen significantly in the coming years. The book brings to light not only the cyclical impacts of the crisis, but also those that could influence the long-term growth rate and structure of economies.

Alkali-Aggregate Reaction in Concrete

A World Review

CRC Press *Alkali-Aggregate Reaction in Concrete: A World Review* is unique in providing authoritative and up to date expert information on the causes and effects of Alkali-Aggregate Reaction (AAR) in concrete structures worldwide. In 1992 a first edition entitled *The Alkali-Silica Reaction in Concrete*, edited by Professor Narayan Swamy, was published in a first attempt to cover this concrete problem from a global perspective, but the coverage was incomplete. This completely new edition offers a fully updated and more universal coverage of the world situation concerning AAR and includes a wealth of new evidence and research information that has accumulated in the intervening years. Although there are various textbooks offering readers sections that deal with AAR deterioration and damage to concrete, no other single book brings together the views of recognised international experts in the field, and the wealth of scattered research information that is available. It provides a 'state of the art' review and deals authoritatively with the mechanisms of AAR, its diagnosis and how to treat concrete affected by AAR. It is illustrated by numerous actual examples from around the world, and comprises specialist contributions provided by senior engineers and scientists from many parts of the world. The book is divided into two distinct but complementary parts. The first five chapters deal with the most recent findings concerning the mechanisms involved in the reaction, methods concerning its diagnosis, testing and evaluation, together with an appraisal of current methods used in its avoidance and in the remediation of affected concrete structures. The second part is divided into eleven chapters covering each region of the world in turn. These chapters have been written by experts with specialist knowledge of AAR in the countries involved and include an authoritative appraisal of the problem and its solution as it affects concrete structures in the region. Such an authoritative compilation of information on AAR has not been attempted previously on this scale and this work is therefore an essential source for practising and

research civil engineers, consultant engineers and materials scientists, as well as aggregate and cement producers, designers and concrete suppliers, especially regarding projects outside their own region.

Africa in the New Trade Environment

Market Access in Troubled Times

World Bank Publications Africa represents a small share of global production and trade, while hosting half of the extreme poor worldwide. To catch up with the rest of the world, there is no alternative: the continent needs to link its production and trade to the global economy to take advantage of unlimited demand and innovation along the supply chain. The book presents a strategy to bolster Africa's market access in the current global environment. It explores three key areas – the impact of trade agreements (unilateral, regional, and multilateral) with traditional partners (the United States and the European Union) and a way forward; the role of new market frontiers in Asia both from the perspective of restructuring economies in the region as well as changing global value chains (GVCs) and their implications for Africa; and finally an inward examination of the promise and challenges of regional trade and value chains. The book meticulously explores ways to maximize Africa's access to the two leading world markets – the European Union and the United States – while at the same time diversifying market access to the emerging Asian market. In troubled times, it calls for the continent to anchor its market access strategy to deeper regional integration.

Advances in Haptics

BoD - Books on Demand Haptic interfaces are divided into two main categories: force feedback and tactile. Force feedback interfaces are used to explore and modify remote/virtual objects in three physical dimensions in applications including computer-aided design, computer-assisted surgery, and computer-aided assembly. Tactile interfaces deal with surface properties such as roughness, smoothness, and temperature. Haptic research is intrinsically multi-disciplinary, incorporating computer science/engineering, control, robotics, psychophysics, and human motor control. By extending the scope of research in haptics, advances can be achieved in existing applications such as computer-aided design (CAD), tele-surgery, rehabilitation, scientific visualization, robot-assisted surgery, authentication, and graphical user interfaces (GUI), to name a few. *Advances in Haptics* presents a number of recent contributions to the field of haptics. Authors from around the world present the results of their research on various issues in the field of haptics.

Designing for a Digital and Globalized World

13th International Conference, DESRIST 2018, Chennai, India, June 3–6, 2018, Proceedings

Springer *This book constitutes the proceedings of the 13th International Conference on Design Science Research in Information Systems and Technology, DESRIST 2018, held in June 2018 in Chennai, India. The 24 full papers presented in this volume were carefully reviewed and selected from 96 papers. The contributions are organized in topical sections named: HCI and Design, Design Foundations, Design Foundations, Design in Healthcare, Advances in Data Science and Analytics, ICT for Development, Designing Cybersecurity, and Design Applications.*

Enterprise Security Architecture Using IBM Tivoli Security Solutions

IBM Redbooks *This IBM Redbooks publication reviews the overall Tivoli Enterprise Security Architecture. It focuses on the integration of audit and compliance, access control, identity management, and federation throughout extensive e-business enterprise implementations. The available security product diversity in the marketplace challenges everyone in charge of designing single secure solutions or an overall enterprise security architecture. With Access Manager, Identity Manager, Federated Identity Manager, Security Compliance Manager, Security Operations Manager, Directory Server, and Directory Integrator, Tivoli offers a complete set of products designed to address these challenges. This book describes the major logical and physical components of each of the Tivoli products. It also depicts several e-business scenarios with different security challenges and requirements. By matching the desired Tivoli security product criteria, this publication describes the appropriate security implementations that meet the targeted requirements. This book is a valuable resource for security officers, administrators, and architects who want to understand and implement enterprise security following architectural guidelines.*

Organized Solutions

Surfactants in Science and Technology

CRC Press *Written by top international experts in colloid and surface chemistry. Contains close to 750 literature references and nearly 400 useful figures, equations and tables.*

Peer-to-peer Data Management

Morgan & Claypool Publishers *This lecture introduces systematically into the problem of managing large data collections in peer-to-peer systems. Search over large datasets has always been a key problem in peer-to-peer systems and the peer-to-peer paradigm has incited novel directions in the field of data management. This resulted in many novel peer-to-peer data management concepts and algorithms, for supporting data management tasks in a wider sense, including data integration, document management and text retrieval. The lecture covers four different types of peer-to-peer data management systems that are characterized by the type of data they manage and the search capabilities they support. The first type are structured peer-to-peer data management systems which support structured query capabilities for standard data models. The second type are peer-to-peer data integration systems for querying of heterogeneous databases without requiring a common global schema. The third type are peer-to-peer document retrieval systems that enable document search based both on the textual content and the document structure. Finally, we introduce semantic overlay networks, which support similarity search on information represented in hierarchically organized and multi-dimensional semantic spaces. Topics that go beyond data representation and search are summarized at the end of the lecture. Table of Contents: Introduction / Structured Peer-to-Peer Databases / Peer-to-peer Data Integration / Peer-to-peer Retrieval / Semantic Overlay Networks / Conclusion*

A Solution to the Ecological Inference Problem

Reconstructing Individual Behavior from Aggregate Data

Princeton University Press *This book provides a solution to the ecological inference problem, which has plagued users of statistical methods for over seventy-five years: How can researchers reliably infer individual-level behavior from aggregate (ecological) data? In political science, this question arises when individual-*

level surveys are unavailable (for instance, local or comparative electoral politics), unreliable (racial politics), insufficient (political geography), or infeasible (political history). This ecological inference problem also confronts researchers in numerous areas of major significance in public policy, and other academic disciplines, ranging from epidemiology and marketing to sociology and quantitative history. Although many have attempted to make such cross-level inferences, scholars agree that all existing methods yield very inaccurate conclusions about the world. In this volume, Gary King lays out a unique--and reliable--solution to this venerable problem. King begins with a qualitative overview, readable even by those without a statistical background. He then unifies the apparently diverse findings in the methodological literature, so that only one aggregation problem remains to be solved. He then presents his solution, as well as empirical evaluations of the solution that include over 16,000 comparisons of his estimates from real aggregate data to the known individual-level answer. The method works in practice. King's solution to the ecological inference problem will enable empirical researchers to investigate substantive questions that have heretofore proved unanswerable, and move forward fields of inquiry in which progress has been stifled by this problem.

Network World

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

Cognitive Sociolinguistics Revisited

Walter de Gruyter GmbH & Co KG Cognitive Sociolinguistics draws on the rich theoretical framework of Cognitive Linguistics and focuses on the social factors that underlie the variability of meaning and conceptualization. In the last decade, the field has expanded in various ways. The current volume takes stock of current and emerging advances in the field in short academic contributions. The studies collected in this book have a usage-based approach to language variation and change, drawing on the theoretical framework of Cognitive Linguistics and are sensitive to social variation, be it cross-linguistic or language-internal. Three types of contributions are collected in this book. First, it contains theoretical overview papers on the domains that have witnessed expansion in recent years. Second, it presents novel research ideas in proof-of-concept contributions, aimed at blue-sky research and out-of-the-box linguistic analyses. Third, it showcases recent empirical studies within the field. By combining these three types of contributions, the book provides an encompassing overview of novel developments in the field of Cognitive Sociolinguistics.

Business Process Management Workshops

BPM 2006 International Workshops,
BPD, BPI, ENEI, GPWW, DPM,
semantics4ws, Vienna, Austria,
September 4-7, 2006, Proceedings

Springer Science & Business Media *This book constitutes the refereed proceedings of 6 international workshops held in conjunction with the 4th International Conference on Business Process Management, BPM 2006, in Vienna, Austria in September 2006. The 40 revised full papers presented were carefully reviewed and selected from a total of 94 overall submissions to six international workshops.*

Climate Change: An Encyclopedia of Science, Society, and Solutions [3 volumes]

ABC-CLIO *This three-volume set presents entries and primary sources that will impress on readers that what we do—or don't do—today regarding climate change will dramatically influence what life on this planet will be like for untold numbers of generations. • Provides readers with a clearly written description of global-warming science and its role in shaping a body of knowledge regarding a worldwide issue that affects everyone • Suggests remedies for this serious problem, most notably a rapid rise in the implementation of wind power generation and a coming revolution in solar energy • Impresses on readers that what Americans and the citizens and governments of other nations around the globe do over the next decades will determine the future of this planet for many tens of thousands of years to come • Includes primary documents sourced from major scientific journals and from the many reports on recent climate change from governmental organizations, including the Intergovernmental Panel on Climate Change (IPCC) and World Meteorological Organization (WMO), both part of the United Nations; and the U.S. government's National Climate Assessment*

Knowledge Management in the Intelligence Enterprise

Artech House *If you are responsible for the management of an intelligence enterprise operation and its timely and accurate delivery of reliable intelligence to key decision-makers, this book is must reading. It is the first easy-to-understand, system-level book that specifically applies knowledge management principles, practices and technologies to the intelligence domain. The book describes the essential principles of intelligence, from collection, processing and analysis, to dissemination for both national intelligence and business applications.*

The Tierra Solution

Resolving Climate Change Through Monetary Transformation

Cosimo, Inc. *"A visionary and immensely practical approach to reforming today's bubble finance and taming its global casino. Verhagen [...] illuminates the win-win solutions possible when we combine monetary transformation with low-carbon, renewable resource strategies and equitable approaches to sustainable development." -Hazel Henderson, President of Ethical Markets Media, author and creator of The Green Transition Scoreboard* As climate change continues to threaten the earth and as the global financial crisis lingers, governments and communities need to take charge of their own and global monetary systems. Sustainability sociologist Frans Verhagen proposes a solution-the Tierra Solution-to repair the present global monetary, financial, and economic systems that enrich the few, impoverish the many, and imperil the planet. Verhagen calls for transformational changes in order to advance climate-resilient economic development. The Tierra Solution proposes: -A credit-based financial system governed by a Global Central Bank, -A banking system without the privilege of money creation, and most importantly, -A carbon standard for the international monetary system with the Tierra as the unit of account. The Tierra Solution is an in-depth and thought-provoking read that shows an innovative path for global citizens who want to combat climate change, the economic crisis and poverty, and for public officials, economists, international development experts, and climate scientists who want to be part of an integrated solution to the dual challenges of climate change and financial crises. "Whether you agree or disagree, The Tierra Solution challenges us with an innovative proposal. No tinkering here. Verhagen is out to lay a new foundation for environmental and climate justice, with an overhaul of the international monetary system that builds the cost of environmental degradation into economic calculations." -Rev. Arthur Simon, President Emeritus and founder of Bread for the World "This plan for a carbon-based international monetary standard that addresses

both climate change and global economic inequities is bold, visionary, and truly transformative. It is a must-read for everyone who cares about the fate of the earth."
-Sheila D. Collins, Professor of Political Science Emerita, William Paterson University
FRANS C. VERHAGEN is a sustainability sociologist with a Ph.D. in the sociology of international development from Columbia University. He founded the Queens Green Party, the Riverside Church Ecology Task Force, and the Ecolinguistics Commission. He has worked around the world and online teaching environmental policies and sustainability.

Environment and Society

Human Perspectives on Environmental Issues

Routledge *The sixth edition of Environment and Society continues to connect issues about human societies, ecological systems, and the environment with data and perspectives from different fields. While the text looks at environmental issues from a primarily sociological viewpoint, it is designed for courses in Environmental Sociology and Environmental Issues in departments of Sociology, Environmental Studies, Anthropology, Political Science, and Human Geography. Clearly defined terms and theories help familiarize students from various backgrounds with the topics at hand. Each of the chapters is significantly updated with new data, concepts, and ideas. Chapter Three: Climate Change, Science and Diplomacy, is the most extensively revised with current natural science data and sociological insights. It also details the factors at play in the establishment of the Paris Agreement and its potential to affect global climate change. This edition elevates questions of environmental and climate justice in addressing the human-environment relations and concerns throughout the book. Finally, each chapter contains embedded website links for further discussion or commentary on a topic, concludes with review and reflection questions, and suggests further readings and internet sources.*

Communication Yearbook 4

Transaction Publishers