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KEY=HOW - JONAS MILLER

Advances in Self-Organizing Maps

8th International Workshop, WSOM 2011, Espoo, Finland, June 13-15, 2011. Proceedings

Springer This book constitutes the refereed proceedings of the 8th International Workshop on Self-Organizing Maps, WSOM 2011, held in Espoo, Finland, in June 2011. The 36 revised full papers presented were carefully reviewed and selected from numerous

submissions. The papers are organized in topical sections on plenaries; financial and societal applications; theory and methodology; applications of data mining and analysis; language processing and document analysis; and visualization and image processing.

Medical Image Computing and Computer-Assisted Intervention -- MICCAI 2013

16th International Conference, Nagoya, Japan, September 22-26, 2013, Proceedings, Part III

Springer The three-volume set LNCS 8149, 8150, and 8151 constitutes the refereed proceedings of the 16th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2013, held in Nagoya, Japan, in September 2013. Based on rigorous peer reviews, the program committee carefully selected 262 revised papers from 789 submissions for presentation in three volumes. The 81 papers included in the third volume have been organized in the following topical sections: image reconstruction and motion modeling; machine learning in medical image computing; imaging, reconstruction, and enhancement; segmentation; physiological modeling, simulation, and planning; intraoperative guidance and robotics; microscope, optical imaging, and histology; diffusion MRI; brain segmentation and atlases; and functional MRI and neuroscience applications.

Optimize Criminal Law

Routledge The Optimize series is designed to show you how to apply your knowledge in assessment. These concise revision guides cover the most commonly taught topics, and provide you with the tools to: Understand the law and remember the details · using diagrams and tables throughout to demonstrate how the law fits together Contextualise your knowledge · identifying and explaining how to apply legal principles for important cases · providing revision advise to help you aim higher in essays and exams Avoid common misunderstandings and errors · identifying common pitfalls students encounter in class and in assessment Reflect critically on the law · identifying contentious areas that are up for debate and on which you will need to form an opinion Apply what you have learned in assessment · presenting learning objectives that reflect typical assessment criteria · providing sample essay and exam

questions, supported by end-of-chapter feedback The series is also supported by comprehensive online resources that allow you to track your progress during the run-up to exams. www.routledge.com/cw/optimizelawrevision

Advances in Self-Organizing Maps

9th International Workshop, WSOM 2012 Santiago, Chile, December 12-14, 2012 Proceedings

Springer Science & Business Media Self-organizing maps (SOMs) were developed by Teuvo Kohonen in the early eighties. Since then more than 10,000 works have been based on SOMs. SOMs are unsupervised neural networks useful for clustering and visualization purposes. Many SOM applications have been developed in engineering and science, and other fields. This book contains refereed papers presented at the 9th Workshop on Self-Organizing Maps (WSOM 2012) held at the Universidad de Chile, Santiago, Chile, on December 12-14, 2012. The workshop brought together researchers and practitioners in the field of self-organizing systems. Among the book chapters there are excellent examples of the use of SOMs in agriculture, computer science, data visualization, health systems, economics, engineering, social sciences, text and image analysis, and time series analysis. Other chapters present the latest theoretical work on SOMs as well as Learning Vector Quantization (LVQ) methods.

Operations Research in Medicine-computing and Optimization in Medicine and Life Sciences

Pro Spatial with SQL Server 2012

Apress Microsoft SQL Server implements extensive support for location-based data. Pro Spatial with SQL Server 2012 introduces SQL Server's spatial feature set, and covers everything you'll need to know to store, manipulate, and analyze information about the physical location of objects in space. You'll learn about the geography and geometry datatypes, and how to apply them in practical

situations involving the spatial relationships of people, places, and things on Earth. Author Alastair Aitchison first introduces you to SQL Server's spatial feature set and the fundamental concepts involved in working with spatial data, including spatial references and co-ordinate systems. You'll learn to query, analyze, and interpret spatial data using tools such as Bing Maps and SQL Server Reporting Services. Throughout, you'll find helpful code examples that you can adopt and extend as a basis for your own projects. Explains spatial concepts from the ground up—no prior knowledge is necessary Provides comprehensive guidance for every stage of working with spatial data, from importing through cleansing and storing, to querying, and finally for retrieval and display of spatial data in an application layer Brilliantly illustrated with code examples that run in SQL Server 2012, that you can adapt and use as the basis for your own projects.

ISO 9000 Quality Systems Handbook

Using the Standards as a Framework for Business Improvement

Routledge THE definitive reference source for understanding and implementing ISO 9000 and the principles of contemporary quality management.

ISO 9000 Quality Systems Handbook - updated for the ISO 9001:2008 standard

Routledge Whether you are establishing a quality management system for the first time or improving your existing system, this best-selling guide to effective quality management using the ISO 9000 family of standards as a framework for business process management (BPM) and improvement is an essential addition to your quality bookshelf. For newcomers to the field and those needing a refresh on the fundamental principles, quality expert David Hoyle covers the crucial background including the importance and implications of quality system management, enabling those seeking ISO 9001 certification to take a holistic approach that will bring about true business improvement and sustained success. Packed with insights into how the standard has been used, misused and

misunderstood, ISO 9000 Quality Systems Handbook will help you to build an effective management system, help you decide if ISO 9001 certification is right for your company and gently guide you through the terminology, requirements and implementation of practices to enhance performance. With chapter headings matched to the structure of the standard and clause numbers included for ease of reference, each chapter now also begins with a preview to help you decide which to study and which to skip. The book also includes essential concepts and principles, important issues to be understood before embarking upon implementation, different approaches that can be taken to achieving, sustaining and improving quality, and guidance on system assessment, certification and continuing development. Clear tables, summary checklists and diagrams make light work of challenging concepts and downloadable template report forms, available from the book's companion website, take the pain out of compiling the necessary documentation. Don't waste time trying to achieve certification without this tried and trusted guide to improving your business—let David Hoyle lead you towards a better quality management system and see the difference it can make to your processes and profits!

Medical Image Computing and Computer-Assisted Intervention -- MICCAI 2010

13th International Conference, Beijing, China, September 20-24, 2010, Proceedings, Part II

Springer The13thInternationalConferenceonMedicalImageComputingandComputer- Assisted Intervention, MICCAI 2010, was held in Beijing, China from 20-24 September,2010.ThevenuewastheChinaNationalConventionCenter(CNCC), China'slargestandnewestconferencecenterwith excellentfacilities andaprime location in the heart of the Olympic Green, adjacent to characteristic constr- tions like the Bird's Nest (National Stadium) and the Water Cube (National Aquatics Center). MICCAI is the foremost international scienti?c event in the ?eld of medical image computing and computer-assisted interventions. The annual conference has a high scienti?c standard by virtue of the threshold for acceptance, and accordingly MICCAI has built up a track record of attracting leading scientists, engineersandcliniciansfromawiderangeoftechnicalandbiomedicaldisciplines. This year, we received 786 submissions, well in line with the previous two conferences in New York and London. Three program chairs and a program committee

of 31 scientists, all with a recognized standing in the ?eld of the conference, were responsible for the selection of the papers. The review process was set up such that each paper was considered by the three program chairs, two program committee members, and a minimum of three external reviewers. The review process was double-blind, so the reviewers did not know the identity of the authors of the submission. After a careful evaluation procedure, in which all controversialand gray area papers were discussed individually, we arrived at a total of 251 accepted papers for MICCAI 2010, of which 45 were selected for podium presentation and 206 for poster presentation. The acceptance percentage (32%) was in keeping with that of previous MICCAI conferences. All 251 papers are included in the three MICCAI 2010 LNCS volumes.

Half Life 2 Mods For Dummies

John Wiley & Sons

Artificial Neural Networks and Machine Learning – ICANN 2018

27th International Conference on Artificial Neural Networks, Rhodes, Greece, October 4-7, 2018, Proceedings, Part I

Springer This three-volume set LNCS 11139-11141 constitutes the refereed proceedings of the 27th International Conference on Artificial Neural Networks, ICANN 2018, held in Rhodes, Greece, in October 2018. The papers presented in these volumes was carefully reviewed and selected from total of 360 submissions. They are related to the following thematic topics: AI and Bioinformatics, Bayesian and Echo State Networks, Brain Inspired Computing, Chaotic Complex Models, Clustering, Mining, Exploratory Analysis, Coding Architectures, Complex Firing Patterns, Convolutional Neural Networks, Deep Learning (DL), DL in Real Time Systems, DL and

Big Data Analytics, DL and Big Data, DL and Forensics, DL and Cybersecurity, DL and Social Networks, Evolving Systems – Optimization, Extreme Learning Machines, From Neurons to Neuromorphism, From Sensation to Perception, From Single Neurons to Networks, Fuzzy Modeling, Hierarchical ANN, Inference and Recognition, Information and Optimization, Interacting with The Brain, Machine Learning (ML), ML for Bio Medical systems, ML and Video-Image Processing, ML and Forensics, ML and Cybersecurity, ML and Social Media, ML in Engineering, Movement and Motion Detection, Multilayer Perceptrons and Kernel Networks, Natural Language, Object and Face Recognition, Recurrent Neural Networks and Reservoir Computing, Reinforcement Learning, Reservoir Computing, Self-Organizing Maps, Spiking Dynamics/Spiking ANN, Support Vector Machines, Swarm Intelligence and Decision-Making, Text Mining, Theoretical Neural Computation, Time Series and Forecasting, Training and Learning.

Similarity-Based Clustering

Recent Developments and Biomedical Applications

Springer Similarity-based learning methods have a great potential as an intuitive and ?exible toolbox for mining, visualization,and inspection of largedata sets. They combine simple and human-understandable principles, such as distance-based classi?cation, prototypes, or Hebbian learning, with a large variety of di?erent, problem-adapted design choices, such as a data-optimum topology, similarity measure, or learning mode. In medicine, biology, and medical bioinformatics, more and more data arise from clinical measurements such as EEG or fMRI studies for monitoring brain activity, mass spectrometry data for the detection of proteins, peptides and composites, or microarray pro?les for the analysis of gene expressions. Typically, data are high-dimensional, noisy, and very hard to inspect using classic (e. g. , symbolic or linear) methods. At the same time, new technologies ranging from the possibility of a very high resolution of spectra to high-throughput screening for microarray data are rapidly developing and carry thepromiseofane?cient,cheap,andautomaticgatheringoftonsofhigh-quality data with large information potential. Thus, there is a need for appropriate - chine learning methods which help to automatically extract and interpret the relevant parts of this information and which, eventually, help to enable und- standingofbiologicalsystems,reliablediagnosisoffaults,andtherapyofdiseases such as cancer based on this information. Moreover, these application scenarios pose fundamental and qualitatively new challenges to the learning systems - cause of the speci?cs of the data and learning tasks. Since these characteristics are particularly pronounced within the medical domain, but not limited to it and of principled interest, this research topic opens the way toward important new directions of algorithmic design and accompanying theory.

Automotive Quality Systems Handbook

ISO/TS 16949:2002 Edition

Elsevier ISO/TS 16949:2002 (TS2) will have a huge impact on the whole of the automobile industry as it formalises, under a single world-wide standard, the quality system that must be met by vehicle manufacturers and their suppliers. This handbook is the only comprehensive guide to understanding and satisfying the requirements of ISO/TS 16949:2002. Written by best-selling quality author David Hoyle (ISO 9000 Quality Systems Handbook) this new book is ideal for those new to the standard or establishing a single management system for the first time, as well as those migrating from existing quality management systems. It will suit quality system managers and quality professionals across the automotive industry, managers and executive level readers, consultants, auditors, trainers and students of management and quality. The only complete ISO/TS 16949:2002 (TS2) reference: essential for understanding both TS2 and ISO 9001:2000 TS2 becomes mandatory for all auto manufacturers and their many thousands of suppliers in 2006 Includes details of the certification scheme, the differences with previous standards, check lists, questionnaires, tips for implementers, flow charts and a glossary of terms David Hoyle is one of the world's leading quality management authors

Challenges in the Management of People Convicted of a Sexual Offence

A Way Forward

Springer Nature This book provides an up-to-date analysis of major issues in the field of sexual abuse, both established and emerging, and asks how we can develop the most evidence-based, fit-for-purpose approach in responding to and preventing it. Sexual abuse is a multi-disciplinary, international issue that exists at the crossroads of theory, practice, and research. Therefore, the book is future-facing and asks the reader to critically reflect upon current and future research and practice, and to ask: what next? In doing this the book examines the theory, research, and practice on a range of topics including, grooming behaviors, risk management, risk

assessment, sexual fantasies, professional engagement, and policy development. These, and other essential topics for effective and efficient care for people who have committed sexual offenses, are addressed as part of the ultimate goal to reduce and even eliminate sexual victimization in the future.

Appalachia

Medical Image Computing and Computer-Assisted Intervention - MICCAI 2008

11th International Conference, New York, NY, USA, September 6-10, 2008, Proceedings, Part II

Springer The 11th International Conference on Medical Imaging and Computer Assisted Intervention, MICCAI 2008, was held at the Helen and Martin Kimmel Center of New York University, New York City, USA on September 6–10, 2008. MICCAI is the premier international conference in this domain, with - depth papers on the multidisciplinary ?elds of biomedical image computing and analysis, computer assisted intervention and medical robotics. The conference brings together biological scientists, clinicians, computer scientists, engineers, mathematicians, physicists and other interested researchers and o?ers them a forum to exchange ideas in these exciting and rapidly growing ?elds. The conference is both very selective and very attractive: this year we - ceived a record number of 700 submissions from 34 countries and 6 continents, fromwhich258papers were selectedfor publication,whichcorrespondsto a s- cess rate of approximately 36%. Some interesting facts about the distribution of submitted and accepted papers are shown graphically at the end of this preface. The paper selection process this year was based on the following procedure, which included the introduction of several novelties over previous years. 1. A ProgramCommittee (PC) of 49 members was recruited by the Program Chairs,to getthenecessarybody ofexpertiseandgeographicalcoverage.All PC members agreed in advance to participate in the ?nal paper selection process. 2. Key words grouped in 7 categories were used to describe the content of the submissions and the expertise of the reviewers.

Advances in Intelligent Data Analysis XI

11th International Symposium, IDA 2012, Helsinki, Finland, October 25-27, 2012, Proceedings

Springer This book constitutes the refereed proceedings of the 11th International Conference on Intelligent Data Analysis, IDA 2012, held in Helsinki, Finland, in October 2012. The 32 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 88 submissions. All current aspects of intelligent data analysis are addressed, including intelligent support for modeling and analyzing data from complex, dynamical systems. The papers focus on novel applications of IDA techniques to, e.g., networked digital information systems; novel modes of data acquisition and the associated issues; robustness and scalability issues of intelligent data analysis techniques; and visualization and dissemination results.

The Great Mental Models: General Thinking Concepts

The old saying goes, ''To the man with a hammer, everything looks like a nail.'' But anyone who has done any kind of project knows a hammer often isn't enough. The more tools you have at your disposal, the more likely you'll use the right tool for the job - and get it done right. The same is true when it comes to your thinking. The quality of your outcomes depends on the mental models in your head. And most people are going through life with little more than a hammer. Until now. The Great Mental Models: General Thinking Concepts is the first book in The Great Mental Models series designed to upgrade your thinking with the best, most useful and powerful tools so you always have the right one on hand. This volume details nine of the most versatile, all-purpose mental models you can use right away to improve your decision making, productivity, and how clearly you see the world. You will discover what forces govern the universe and how to focus your efforts so you can harness them to your advantage, rather than fight with them or worse yet- ignore them. Upgrade your mental toolbox and get the first volume today. AUTHOR BIOGRAPHY Farnam Street (FS) is one of the world's fastest growing websites, dedicated to helping our readers master the best of what other people have already figured out. We curate, examine and explore the timeless ideas and mental models that history's brightest minds have used to live lives of purpose. Our readers include students, teachers, CEOs, coaches, athletes, artists, leaders, followers, politicians and more. They're not

defined by gender, age, income, or politics but rather by a shared passion for avoiding problems, making better decisions, and lifelong learning. AUTHOR HOME Ottawa, Ontario, Canada

Wave Equation Analysis of Pile Driving: Program documentation

Maya Secrets of the Pros

John Wiley & Sons

Five Key Principles of Corporate Performance Management

John Wiley & Sons In Five Key Principles of Corporate Performance Management, Bob Paladino shares his decades of experience to provide proven, real-world implementation insights from globally recognized and award-winning organizations. You'll discover what today's Fortune 100 companies are doing right, and how to implement their enterprise techniques and strategies within your own organization to maximize success.

Hydrology and Hydraulic Systems

Fourth Edition

Waveland Press For more than 25 years, the multiple editions of Hydrology & Hydraulic Systems have set the standard for a comprehensive, authoritative treatment of the quantitative elements of water resources development. The latest edition extends this tradition of excellence in a thoroughly revised volume that reflects the current state of practice in the field of hydrology. Widely

praised for its direct and concise presentation, practical orientation, and wealth of example problems, Hydrology & Hydraulic Systems presents fundamental theories and concepts balanced with excellent coverage of engineering applications and design. The Fourth Edition features a major revision of the chapter on distribution systems, as well as a new chapter on the application of remote sensing and computer modeling to hydrology. Outstanding features of the Fourth Edition include . . . • More than 350 illustrations and 200 tables • More than 225 fully solved examples, both in FPS and SI units • Fully worked-out examples of design projects with realistic data • More than 500 end-of-chapter problems for assignment • Discussion of statistical procedures for groundwater monitoring in accordance with the EPA's Unified Guidance • Detailed treatment of hydrologic field investigations and analytical procedures for data assessment, including the USGS acoustic Doppler current profiler (ADCP) approach • Thorough coverage of theory and design of loose-boundary channels, including the latest concept of combining the regime theory and the power function laws

Atlas of Knowledge

Anyone Can Map

MIT Press The power of mapping: principles for visualizing knowledge, illustrated by many stunning large-scale, full-color maps. Maps of physical spaces locate us in the world and help us navigate unfamiliar routes. Maps of topical spaces help us visualize the extent and structure of our collective knowledge; they reveal bursts of activity, pathways of ideas, and borders that beg to be crossed. This book, from the author of Atlas of Science, describes the power of topical maps, providing readers with principles for visualizing knowledge and offering as examples forty large-scale and more than 100 small-scale full-color maps. Today, data literacy is becoming as important as language literacy. Well-designed visualizations can rescue us from a sea of data, helping us to make sense of information, connect ideas, and make better decisions in real time. In Atlas of Knowledge, leading visualization expert Katy Börner makes the case for a systems science approach to science and technology studies and explains different types and levels of analysis. Drawing on fifteen years of teaching and tool development, she introduces a theoretical framework meant to guide readers through user and task analysis; data preparation, analysis, and visualization; visualization deployment; and the interpretation of science maps. To exemplify the framework, the Atlas features striking and enlightening new maps from the popular "Places & Spaces: Mapping Science" exhibit that range from "Key Events in the Development of the Video Tape Recorder" to "Mobile Landscapes: Location Data from Cell Phones for Urban Analysis" to "Literary Empires: Mapping Temporal and Spatial Settings of Victorian Poetry" to "Seeing Standards: A Visualization of the Metadata Universe." She also discusses the possible effect of science maps on the practice of

science.

7th Asian-Pacific Conference on Medical and Biological Engineering

APCMBE 2008, 22-25 April 2008, Beijing, China

Springer Science & Business Media This volume presents the proceedings of the 7th Asian-Pacific Conference on Medical and Biological Engineering (APCMBE 2008). Themed "Biomedical Engineering – Promoting Sustainable Development of Modern Medicine" the proceedings address a broad spectrum of topics from Bioengineering and Biomedicine, like Biomaterials, Artificial Organs, Tissue Engineering, Nanobiotechnology and Nanomedicine, Biomedical Imaging, Bio MEMS, Biosignal Processing, Digital Medicine, BME Education. It helps medical and biological engineering professionals to interact and exchange their ideas and experiences.

Computational Intelligence: Research Frontiers

IEEE World Congress on Computational Intelligence, WCCI 2008, Hong Kong, China, June 1-6, 2008, Plenary/Invited Lectures

Springer Science & Business Media This state-of-the-art survey offers a renewed and refreshing focus on the progress in nature-inspired and linguistically motivated computation. The book presents the expertise and experiences of leading researchers spanning a diverse spectrum of computational intelligence in the areas of neurocomputing, fuzzy systems, evolutionary computation, and adjacent areas. The result is a balanced contribution to the field of computational intelligence that should serve the community not only as a survey and a reference, but also as an inspiration for the future advancement of the state of the art of the field. The 18

selected chapters originate from lectures and presentations given at the 5th IEEE World Congress on Computational Intelligence, WCCI 2008, held in Hong Kong, China, in June 2008. After an introduction to the field and an overview of the volume, the chapters are divided into four topical sections on machine learning and brain computer interface, fuzzy modeling and control, computational evolution, and applications.

Microsoft Big Data Solutions

John Wiley & Sons Tap the power of Big Data with Microsoft technologies Big Data is here, and Microsoft's new Big Data platform is a valuable tool to help your company get the very most out of it. This timely book shows you how to use HDInsight along with HortonWorks Data Platform for Windows to store, manage, analyze, and share Big Data throughout the enterprise. Focusing primarily on Microsoft and HortonWorks technologies but also covering open source tools, Microsoft Big Data Solutions explains best practices, covers on-premises and cloud-based solutions, and features valuable case studies. Best of all, it helps you integrate these new solutions with technologies you already know, such as SQL Server and Hadoop. Walks you through how to integrate Big Data solutions in your company using Microsoft's HDInsight Server, HortonWorks Data Platform for Windows, and open source tools Explores both on-premises and cloud-based solutions Shows how to store, manage, analyze, and share Big Data through the enterprise Covers topics such as Microsoft's approach to Big Data, installing and configuring HortonWorks Data Platform for Windows, integrating Big Data with SQL Server, visualizing data with Microsoft and HortonWorks BI tools, and more Helps you build and execute a Big Data plan Includes contributions from the Microsoft and HortonWorks Big Data product teams If you need a detailed roadmap for designing and implementing a fully deployed Big Data solution, you'll want Microsoft Big Data Solutions.

Experimental Learning in Production Management

IFIP TC5 / WG5.7 Third Workshop on Games in Production Management: The effects of games on

developing production management 27–29 June 1997, Espoo, Finland

Springer This book is based on the presentations at the Third Workshop on Games in Production Management, The Effects of Games on Developing Production Management, held in Espoo, Finland, June 27-29, 1997. The workshop was organized by the Special Interest Group on Games of IFIP Working Group 5.7, which is coordinated by Professor Jens Riis. The Special Interest Group aims to enhance learning in production management in academia and in industry, through the development, application and research of simulation games. Currently, the Special Interest Group is developing a catalogue of games in production management, which will be available on the Internet. The two previous workshops of the Special Interest Group were held in Aalborg and in Sf/lnderborg, and a workshop and exhibition of simulation games was arranged in connection with the APMS '96 Conference in Kyoto in November 1996. In these workshops, various simulation games have been presented, experimented, and discussed, and experiences exchanged. As a result, a network of researchers and teachers interested in games has been created. The third workshop with participants from ten countries further expanded and strengthened the network, and created ideas for potential joint research projects in simulation for learning in production management. The workshop was sponsored by the IFIP Working Group 5.7 on Computer Aided Production Management Systems, Helsinki University of Technology, the Finnish Graduate School of Industrial Management, and the City of Espoo, which we gratefully acknowledge.

Web Analytics Action Hero

Using Analysis to Gain Insight and Optimize Your Business

Adobe Press Companies need more than just web analysts and data-savvy marketers to be successful–they need action heroes! While most of us never battle evil scientists or defuse nuclear warheads, successful web analysts benefit from the same attributes that fictional action heroes embody. As a web analyst, your main goal is to improve your organization's online performance. You can

become an "action hero" by translating analysis insights into action that generates significant returns for your company. How you approach analysis is critical to your overall success. In this book, web analytics expert Brent Dykes addresses the unique challenges facing analysts and online marketers working within small and large companies, teaching you how to move beyond reporting and toward analysis to drive action and change. Taking a principle-based rather than a tool-specific approach, Brent introduces you to the Action Hero Framework that breaks down the analysis process into three key stages: Prioritize (what to analyze), Analyze (how to analyze), and Mobilize (how to drive action). And he reinforces these topics with real-world examples and practical tips from seasoned analysts at leading companies. Defines the type of environment in which action heroes thrive–not just survive–as well as how to defeat the villains of web analytics that stand in the way Arms web professionals with a strategic framework for executing online analysis, as well as an arsenal of analysis techniques Reveals how companies need to be both data-driven and action-agile to drive business value from web analytics For more action hero resources and information, check out the book's companion site at www.Analyticshero.com. "The ideas in this book will take you days (or even weeks) to work your way through, and they fly in the face of the emotional approach to marketing. The question is: would you rather have your competition lead the way with data and science when it comes to reaching your market, or are you going to go first? That's how it is with action heroes--no guts, no glory." -Seth Godin Author We Are All Weird "Don't let the jaunty, breezy style of this book throw you off. Brent successfully - and entertainingly - packs years of experience into these pages along with case studies and insightful help on getting the most out of web analytics, adding value to your company and boosting your career trajectory." -Jim Sterne Founder of eMetrics Marketing Optimization Summit, author of "Social Media Metrics" and Chairman of the Digital Analytics Association

How to Tune and Modify Engine Management Systems

Motorbooks International Drawing on a wealth of knowledge and experience and a background of more than 1,000 magazine articles on the subject, engine control expert Jeff Hartman explains everything from the basics of engine management to the building of complicated project cars. Hartman has substantially updated the material from his 1993 MBI book Fuel Injection (0-879387-43-2) to address the incredible developments in automotive fuel injection technology from the past decade, including the multitude of import cars that are the subject of so much hot rodding today. Hartman's text is extremely detailed and logically arranged to help readers better understand this complex topic.

Origins of Intelligence

The Evolution of Cognitive Development in Monkeys, Apes, and Humans

Johns Hopkins University Press+ORM A look at the origins of cognitive abilities in primate species. Since Darwin's time, comparative psychologists have searched for a good way to compare cognition in humans and nonhuman primates. In Origins of Intelligence, Sue Parker and Michael McKinney offer such a framework and make a strong case for using human development theory (both Piagetian and neo-Piagetian) to study the evolution of intelligence across primate species. Their approach is comprehensive, covering a broad range of social, symbolic, physical, and logical domains, which fall under the all-encompassing and much-debated term intelligence. A widely held theory among developmental psychologists and social and biological anthropologists is that cognitive evolution in humans has occurred through juvenilization—the gradual accentuation and lengthening of childhood in the evolutionary process. In this work, however, Parker and McKinney argue instead that new stages were added at the end of cognitive development in our hominid ancestors, coining the term adultification by terminal extension to explain this process. Drawing evidence from scores of studies on monkeys, great apes, and human children, this book provides unique insights into ontogenetic constraints that have interacted with selective forces to shape the evolution of cognitive development in our lineage. "The authors' elegant theory and comprehensive empirical synthesis of how the development of human intelligence and brain evolved opens up cascading heuristic avenues for creatively answering one of the great questions in the human history of ideas." —Jonas Langer, Human Development "A handy source of information on comparative cognitive abilities related to life history and brain variables." —James Anderson, Journal of the Royal Anthropological Institute

Enterprise Information Systems

Contemporary Trends and Issues

World Scientific Publishing Company This book analyzes various aspects of enterprise information systems (EIS), including enterprise resource planning, customer relationship management, supply chain management systems, and business process reengineering. It describes the evolution and functions of these systems, focusing on issues related to their implementation and upgrading. Enhanced with pedagogical features, the book can be read by graduate and undergraduate students, as well as senior management and executives involved in the study and evaluation of EIS.

Computer Vision - ACCV 2010

10th Asian Conference on Computer Vision, Queenstown, New Zealand, November 8-12, 2010, Revised Selected Papers

Springer Science & Business Media The four-volume set LNCS 6492-6495 constitutes the thoroughly refereed post-proceedings of the 10th Asian Conference on Computer Vision, ACCV 2009, held in Queenstown, New Zealand in November 2010. All together the four volumes present 206 revised papers selected from a total of 739 Submissions. All current issues in computer vision are addressed ranging from algorithms that attempt to automatically understand the content of images, optical methods coupled with computational techniques that enhance and improve images, and capturing and analyzing the world's geometry while preparing the higher level image and shape understanding. Novel gemometry techniques, statistical learning methods, and modern algebraic procedures are dealt with as well.

Rough Sets: Selected Methods and Applications in Management and Engineering

Springer Science & Business Media Rough Set Theory, introduced by Pawlak in the early 1980s, has become an important part of soft computing within the last 25 years. However, much of the focus has been on the theoretical understanding of Rough Sets, with a survey of Rough Sets and their applications within business and industry much desired. Rough Sets: Selected Methods and Applications in Management and Engineering provides context to Rough Set theory, with each chapter exploring a real-world application of Rough Sets. Rough Sets is relevant to managers striving to improve their businesses, industry researchers looking to improve the efficiency of their solutions, and university researchers wanting to apply Rough Sets to real-world problems.

RSM Simplified

Optimizing Processes Using Response Surface Methods for Design of Experiments, Second Edition

CRC Press Anderson and Whitcomb pick up where they left off in DOE Simplified with RSM Simplified -- a practical tool for design of experiments that anyone with a minimum of technical training can understand and appreciate. Their approach is simple and fun for those who desire knowledge on response surface methods but are put off by the academic nature of other books on the topic. RSM Simplified keeps formulas to a minimum and makes liberal use of figures, charts, graphs, and checklists. It offers many relevant examples with amusing sidebars and do-it-yourself exercises that will lead readers to the peak potential for their product quality and process efficiency.

Proceedings of the European Cognitive Science Conference 2007

Taylor & Francis This volume contains the invited lectures, invited symposia, symposia, papers and posters presented at the 2nd European Cognitive Science Conference held in Greece in May 2007. The papers presented in this volume range from empirical psychological studies and computational models to philosophical arguments, meta-analyses and even to neuroscientific experimentation. The quality of the work shows that the Cognitive Science Society in Europe is an exciting and vibrant one. There are 210 contributions by cognitive scientists from 27 different countries, including USA, France, UK, Germany, Greece, Italy, Belgium, Japan, Spain, the Netherlands, and Australia. This book will be of interest to anyone concerned with current research in Cognitive Science.

Ant Colony Optimization

MIT Press An overview of the rapidly growing field of ant colony optimization that describes theoretical findings, the major algorithms, and current applications. The complex social behaviors of ants have been much studied by science, and computer scientists are now finding that these behavior patterns can provide models for solving difficult combinatorial optimization problems. The attempt to develop algorithms inspired by one aspect of ant behavior, the ability to find what computer scientists would call shortest paths, has become the field of ant colony optimization (ACO), the most successful and widely recognized algorithmic technique based on ant behavior. This book presents an overview of this rapidly growing field, from its theoretical inception to practical applications, including descriptions of many available ACO algorithms and their uses. The book first describes the translation of observed ant behavior into working optimization algorithms. The ant colony metaheuristic is then introduced and viewed in the general context of combinatorial optimization. This is followed by a detailed description and guide to all major ACO algorithms and a report on current theoretical findings. The book surveys ACO applications now in use, including routing, assignment, scheduling, subset, machine learning, and bioinformatics problems. AntNet, an ACO algorithm designed for the network routing problem, is described in detail. The authors conclude by summarizing the progress in the field and outlining future research directions. Each chapter ends with bibliographic material, bullet points setting out important ideas covered in the chapter, and exercises. Ant Colony Optimization will be of interest to academic and industry researchers, graduate students, and practitioners who wish to learn how to implement ACO algorithms.

E-Collaboration: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global "This set addresses a range of e-collaboration topics through advanced research chapters authored by an international partnership of field experts"--Provided by publisher.

The Theory of Constraints

Practice and Research

IOS Press The Theory of Constraints (TOC) has spread as a leading managerial philosophy during the last two decades. TOC is successfully implemented in thousands of companies and organizations, large and small, throughout the globe. It has been implemented in the areas of production, logistics, distribution, project management, research and development and sales and marketing. Implementation span across a multitude of sectors in all industries: the private and public sectors, flow manufacturing as well as job shop operations, start up companies as well as corporate America, for profit and not-for-profit organizations. Implemented properly, TOC leads to significant results in a relatively short time. However, contrary to the vast application of TOC in practice, TOC research published in refereed academic journals is lagging behind. TOC should be proven as a continuity of previous research rather than a stand alone new concept. TOC practitioners should seek for academic examination for the validity of the tools and the understanding of the implementation process. This book serves as a platform for TOC research and closes the gap between TOC and the academic world.

Working with Dynamic Crop Models

Methods, Tools and Examples for Agriculture and Environment

Academic Press Working with Dynamic Crop Models: Methods, Tools and Examples for Agriculture and Environment, 3e, is a complete guide to working with dynamic system models, with emphasis on models in agronomy and environmental science. The introductory section presents the foundational information for the book including the basics of system models, simulation, the R programming language, and the statistical notions necessary for working with system models. The most important methods of working with dynamic system models, namely uncertainty and sensitivity analysis, model calibration (frequentist and Bayesian), model evaluation, and data assimilation are all treated in detail, in individual chapters. New chapters cover the use of multi-model ensembles, the creation of metamodels that emulate the more complex dynamic system models, the combination of genetic and environmental information in gene-based crop models, and the use of dynamic system models to aid in sampling. The book emphasizes both understanding and practical implementation of the methods that are covered. Each chapter simply and clearly explains the underlying principles and assumptions of each method that is presented, with numerous examples and illustrations. R code for applying the methods is given throughout. This code is designed so that it can be adapted relatively easily to new problems. An expanded introductory section presents the basics of dynamic system modeling, with numerous examples from multiple fields, plus chapters on numerical simulation, statistics for modelers, and the R language. Covers in detail the basic methods: uncertainty and sensitivity analysis, model calibration (both frequentist and Bayesian), model evaluation, and data assimilation. Every method chapter has numerous examples of applications based on real problems, as well as detailed instructions for applying the methods to new problems using R. Each chapter has multiple exercises for self-testing or for classroom use. An R package with much of the code from the book can be freely downloaded from the CRAN package repository.

The HR Value Proposition

Harvard Business Press The international best seller Human Resource Champions helped set the HR agenda for the 1990s and enabled HR professionals to become strategic partners in their organizations. But earning a seat at the executive table was only the beginning. Today's HR leaders must also bring substantial value to that table. Drawing on their 16-year study of over 29,000 HR professionals and line managers, leading HR experts Dave Ulrich and Wayne Brockbank propose The HR Value Proposition. The authors argue that HR value creation requires a deep understanding of external business realities and how key stakeholders both inside and outside the company define value. Ulrich and Brockbank provide practical tools and worksheets for leveraging this knowledge to create HR practices, build organizational capabilities, design HR strategy, and marshal resources that create value for customers, investors, executives, and employees. Written by the field's premier trailblazers, this book charts the path HR professionals must take to help lead their organizations into the future. Ulrich is a professor at the University of Michigan School of Business and the author of 12 books and more than 100 articles on the subject of human resources. Brockbank is a clinical professor of business at the University of Michigan School of Business, the author of award-winning papers on HR strategy, and an adviser to top global organizations.