

Advanced Intelligence Solutions

Advanced Intelligent Computing Theories and Applications
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 14th International Conference, AGI 2021, Palo Alto, CA, USA, October 15-18, 2021 : Proceedings
 Advanced Intelligence Revolution : A Cautionary Tale of Device Power
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 Pro SharePoint 2013 Business Intelligence Solutions
 Today and Tomorrow
 An expert guide to implementing advanced business intelligence and analytics with Tableau 2019.1, 2nd Edition
 7th International Conference, ICIC 2011, Zhengzhou, China, August 11-14, 2011. Revised Selected Papers
 Oracle Data Warehousing and Business Intelligence Solutions
 Strategic Intelligence Management
 Taking Intelligence Analysis to the Next Level

Advanced Intelligence Solutions

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CUMMINGS PONCE

Advanced Intelligent Computing Theories and Applications Lulu.com

Suitable for undergraduate students entering the field of Homeland Security, and for Criminal Justice students studying their role in a post-9/11 world, Introduction to Homeland Security is a comprehensive but accessible text designed for students seeking a thorough overview of the policies, administrations, and organizations that fall under Homeland Security. It grounds students in the basic issues of homeland security, the history and context of the field, and what the future of the field might hold. Students will come away with a solid understanding of the central issues surrounding Homeland Security, including policy concepts as well as political and legal responses to Homeland Security.

Advanced Intelligent Computing Theories and Applications John Wiley & Sons

A tale of intelligent devices learning too quickly and their impact on our lives. It shares how they see the problems in the world and search all available sources to discover a solution to apply, even when that solution may cause more problems. What happens when the cause of the problem is the very people they are designed to help?

14th International Conference, AGI 2021, Palo Alto, CA, USA, October 15-18, 2021 : Proceedings IBM Redbooks

Build next-generation Artificial Intelligence systems with Java Key Features Implement AI techniques to build smart applications using Deeplearning4j

Perform big data analytics to derive quality insights using Spark MLlib Create self-learning systems using neural networks, NLP, and reinforcement learning Book Description In this age of big data, companies have larger amount of consumer data than ever before, far more than what the current technologies can ever hope to keep up with. However, Artificial Intelligence closes the gap by moving past human limitations in order to analyze data. With the help of Artificial Intelligence for big data, you will learn to use Machine Learning algorithms such as k-means, SVM, RBF, and regression to perform advanced data analysis. You will understand the current status of Machine and Deep Learning techniques to work on Genetic and Neuro-Fuzzy algorithms. In addition, you will explore how to develop Artificial Intelligence algorithms to learn from data, why they are necessary, and how they can help solve real-world problems. By the end of this book, you'll have learned how to implement various Artificial Intelligence algorithms for your big data systems and integrate them into your product offerings such as reinforcement learning, natural language processing, image recognition, genetic algorithms, and fuzzy logic systems. What you will learn Manage Artificial Intelligence techniques for big data with Java Build smart systems to analyze data for enhanced customer experience Learn to use Artificial Intelligence frameworks for big data Understand complex problems with algorithms and Neuro-Fuzzy systems Design stratagems to leverage data using Machine Learning process Apply Deep Learning techniques to prepare data for modeling Construct models that learn from data using open source tools Analyze big data problems using scalable Machine Learning algorithms Who this book is for This book is for you if you are a data scientist, big data professional, or novice who has basic knowledge of big data and wish to get proficiency in Artificial Intelligence techniques for big data. Some competence in mathematics is an added advantage in the field of elementary linear algebra and calculus.

[Advanced Intelligence Revolution : A Cautionary Tale of Device Power](#) Leuven University Press

One of the most important functions of artificial intelligence, automated problem solving, consists mainly of the development of software systems designed to find solutions to problems. These systems utilize a search space and algorithms in order to reach a solution. Artificial Intelligence for Advanced Problem Solving Techniques offers scholars and practitioners cutting-edge research on algorithms and techniques such as search, domain independent heuristics, scheduling, constraint satisfaction, optimization, configuration, and planning, and highlights the relationship between the search categories and the various ways a specific application can be modeled and solved using advanced problem solving techniques.

Advanced Intelligence Analysis Methodologies Using Real-World Business, Crime, Military, and Terrorism Examples Jones & Bartlett Learning

The International Conference on Intelligent Computing (ICIC) was formed to provide an annual forum dedicated to the emerging and challenging topics in artificial intelligence, machine learning, bioinformatics, and computational biology, etc. It aims to bring together researchers and practitioners from both academia and industry to share ideas, problems and solutions related to the multifaceted aspects of intelligent computing. ICIC 2008, held in Shanghai, China, September 15-18, 2008, constituted the 4th International Conference on Intelligent Computing. It built upon the success of ICIC 2007, ICIC 2006 and ICIC 2005 held in Qingdao, Kunming and Hefei, China, 2007, 2006 and 2005, respectively. This year, the conference concentrated mainly on the theories and methodologies as well as the emerging applications of intelligent computing. Its aim was to unify the picture of contemporary intelligent computing techniques as an integral concept that highlights the trends in advanced computational intelligence and bridges theoretical research with applications. Therefore, the theme for this conference was "Emerging Intelligent Computing Technology and Applications". Papers focusing on this theme were solicited, addressing theories, methodologies, and applications in science and technology.

[Advanced Solutions in Power Systems](#) John Wiley & Sons

Implement machine learning, cognitive services, and artificial intelligence solutions by leveraging Azure cloud technologies Key Features Learn advanced concepts in Azure ML and the Cortana Intelligence Suite architecture Explore ML Server using SQL Server and HDInsight capabilities Implement various tools in Azure to build and deploy machine learning models Book Description Implementing Machine Learning (ML) and Artificial Intelligence (AI) in the cloud had not been possible earlier due to the lack of processing power and storage. However, Azure has created ML and AI services that are easy to implement in the cloud. Hands-On Machine Learning with Azure teaches you how to perform advanced ML projects in the cloud in a cost-effective way. The book begins by covering the benefits of ML and AI in the cloud. You will then explore Microsoft's Team Data Science Process to establish a repeatable process for successful AI development and implementation. You will also gain an understanding of AI technologies available in Azure and the Cognitive Services APIs to integrate them into bot applications. This book lets you explore prebuilt templates with Azure Machine Learning Studio and build a model using canned algorithms that can be deployed as web services. The book then takes you through a preconfigured series of virtual machines in Azure targeted at AI development scenarios. You will get to grips with the ML Server and its capabilities in SQL and HDInsight. In the concluding chapters, you'll integrate patterns with other non-AI services in Azure. By the end of this book, you will be fully equipped to implement smart cognitive actions in your models. What you will learn Discover the benefits of leveraging the cloud for ML and AI Use Cognitive Services APIs to build intelligent bots Build a model using canned algorithms from Microsoft and deploy it as a web service Deploy virtual machines in AI development scenarios Apply R, Python, SQL Server, and Spark in Azure Build and deploy deep learning solutions with CNTK, MMLSpark, and TensorFlow Implement model retraining in IoT, Streaming, and Blockchain solutions Explore best practices for integrating ML and AI functions with ADLA and logic apps Who this book is for If you are a data scientist or developer familiar with Azure ML and cognitive services and want to create smart models and make sense of data in the cloud, this book is for you. You'll also find this book useful if you want to bring powerful machine learning services into your cloud applications. Some experience with data manipulation and processing, using languages like SQL, Python, and R, will aid in understanding the concepts covered in this book

[Challenges and Solutions](#) Springer

This book gathers papers presented at the International Conference on Advanced Intelligent Systems for Sustainable Development (AI2SD-2018), which was held in Tangiers, Morocco on 12-14 July 2018. In addition to the latest research in the field of energy, it offers new solutions, tools and effective techniques, and provides essential information on smart grids, renewable and economical energy. Further, it addresses modeling, storage management and decision support in the field of energy, offering a valuable guide for researchers, professionals and all those who are interested in the development of advanced intelligent systems in the energy sector.

Hands-On Machine Learning with Azure Springer

This book constitutes the thoroughly refereed post-conference proceedings of the 7th International Conference on Intelligent Computing, ICIC 2011, held in Zhengzhou, China, in August 2011. The 94 revised full papers presented were carefully reviewed and selected from 832 submissions. The papers are organized in topical sections on intelligent computing in scheduling; local feature descriptors for image processing and recognition; combinatorial and numerical optimization; machine learning theory and methods; intelligent control and automation; knowledge representation/reasoning and expert systems; intelligent computing in pattern recognition; intelligent computing in image processing; intelligent computing in computer vision; biometrics with applications to individual security/forensic sciences; modeling, theory, and applications of positive systems; sparse manifold learning methods and applications; advances in intelligent information processing.

[Build powerful models with cognitive machine learning and artificial intelligence](#) Advanced Intelligent Computing Theories and Applications. With Aspects of Artificial Intelligence Fourth International Conference on Intelligent Computing, ICIC 2008 Shanghai, China, September 15-18, 2008, Proceedings

Scholarly analysis of evolving jihadist organisation, strategies, and operation Jihadist militants keep being a global threat. Many observers suggest that a transformation is likely to happen in their organisation, operation, mobilisation, and recruitment strategies, particularly after the territorial decline of the "Caliphate" of the "Islamic State." This volume explores different aspects of the future trajectories of militant jihadism and the prospective transformation of this movement in and around Europe. The authors analyse the changing jihadist landscape and networks, and the

societal challenges posed by both returned foreign terrorist fighters and those who have not returned to their countries of origin. Other topics of discussion are cyber jihadism, jihadist financing, women's position in and relevance for contemporary jihadism, the role of prisons in relation to radicalisation and militancy, and the changing theological dynamics. Based on recent empirical research, Militant Jihadism offers a solid scholarly contribution to various disciplines that study violence, terrorism, security, and extremism.

Artificial Intelligence for Advanced Problem Solving Techniques Springer

The IBM® System Storage® Solutions Handbook helps you solve your current and future data storage business requirements. It helps you achieve enhanced storage efficiency by design to allow managed cost, capacity of growth, greater mobility, and stronger control over storage performance and management. It describes the most current IBM storage products, including the IBM Spectrum™ family, IBM FlashSystem®, disk, and tape, as well as virtualized solutions such as IBM Storage Cloud. This IBM Redbooks® publication provides overviews and information about the most current IBM System Storage products. It shows how IBM delivers the right mix of products for nearly every aspect of business continuance and business efficiency. IBM storage products can help you store, safeguard, retrieve, and share your data. This book is intended as a reference for basic and comprehensive information about the IBM Storage products portfolio. It provides a starting point for establishing your own enterprise storage environment. This book describes the IBM Storage products as of March, 2016.

Tableau Business Intelligence Solutions - Volume 1 Springer

This book presents the proceedings of the 6th International Conference on Advanced Intelligent Systems and Informatics 2020 (AIS2020), which took place in Cairo, Egypt, from October 19 to 21, 2020. This international and interdisciplinary conference, which highlighted essential research and developments in the fields of informatics and intelligent systems, was organized by the Scientific Research Group in Egypt (SRGE). The book is divided into several sections, covering the following topics: Intelligent Systems, Deep Learning Technology, Document and Sentiment Analysis, Blockchain and Cyber Physical System, Health Informatics and AI against COVID-19, Data Mining, Power and Control Systems, Business Intelligence, Social Media and Digital Transformation, Robotic, Control Design, and Smart Systems.

Artificial Intelligence in Management Springer Science & Business Media

Get the end-to-end instruction you need to design, develop, and deploy more effective data integration, reporting, and analysis solutions using SQL Server 2008—whether you're new to business intelligence (BI) programming or a seasoned pro. With real-world examples and insights from an expert team, you'll master the concepts, tools, and techniques for building solutions that deliver intelligence—and business value—exactly where users want it. Discover how to: Manage the development life cycle and build a BI team Dig into SQL Server Analysis Services, Integration Services, and Reporting Services Navigate the Business Intelligence Development Studio (BIDS) Write queries that rank, sort, and drill down on sales data Develop extract, transform, and load (ETL) solutions Add a source code control system Help secure packages for deployment via encryption and credentials Use MDX and DMX Query Designers to build reports based on OLAP cubes and data mining models Create and implement custom objects using .NET code View reports in Microsoft Office Excel and Office SharePoint Server

Advanced Intelligent Computing Theories and Applications. With Aspects of Theoretical and Methodological Issues CRC Press

"Taking Intelligence to the Next Level: Advanced Intelligence Analysis Methodologies Using Real-World Business, Crime, Military, and Terrorism Examples examines intelligence gathering and analysis and the significance of these programs. Coverage assumes a basic understanding of the intelligence cycle and processes, and the book builds upon the author's previous text, Intelligence Analysis Fundamentals—also published by CRC Press—to further address various types of intelligence, the function and increasing usage of intelligence in both the private and public sectors, and the consumption of intelligence products to inform strategic decision-making. Developed for a classroom environment, chapters are packed with multiple examples, visuals, and practical exercises tailored for the intelligence community (IC), military intelligence analyst, criminal, or business analyst alike. The text begins with a chapter on analytical ethics, an important topic that sets the tone for those to come that cover intelligence gathering analytical techniques. The author utilizes multiple instructive learning approaches to build on the student's existing analytical skills gained from other training resources, their experience, or some other combination. While topics covered are germane to all intelligence analysis fields—including military, national, political, criminal, and business-specific chapters and sections and most instructional examples, scenarios, exercises, and learning activities focus on the Homeland Security Mission and the associated problem sets. The training presentation methods and instructional approaches are the product of much thought, research, and discussion, and a variety of US government and commercial analytical training methodologies are presented. The book closes with a final chapter looking at future trends in intelligence analysis. Key Features: Provides tools to challenge intelligence assessments systematically and objectively, a prerequisite to vetted intelligence conclusions Outlines diagnostic techniques to explain events or data sets, anticipate potential outcomes, predict future trends, and make decisions for optimal outcomes Details how to conduct research to effectively write, edit, format, and disseminate reports to best effect An accompanying Instructor's Guide, for use in the classroom, contains the same practical exercises as those found in the student text, as well as facilitator's guides, practical exercise solutions, discussion points, sample test questions, and answer keys, to include other websites that can provide additional instructional content. Taking Intelligence to the Next Level serves as an essential course textbook for programs in intelligence, terrorism, and Homeland Security in addition to serving a useful reference for practicing professionals. Ancillaries including PowerPoint lecture slides, as well as the Instructor's Guide with Test Bank, are available for qualified course adopters"--

Self-learning and Autonomous Systems as Key Drivers of Value Creation Springer

Build, design and improve advanced business intelligence solutions using Tableau's latest features, including Tableau Prep, Tableau Hyper, and Tableau Server Key Features Master new features in Tableau 2019.1 to solve real-world analytics challenges Perform Geo-Spatial Analytics, Time Series Analysis, and self-service analytics using real-life examples Build and publish dashboards and explore storytelling using Python and MATLAB integration support Book Description Tableau is one of the leading business intelligence (BI) tools used to solve BI and analytics challenges. With this book, you will master Tableau's features and offerings in various paradigms of the BI domain. This book is also the second edition of the popular Mastering Tableau series, with new features, examples, and updated code. The book covers essential Tableau concepts and its advanced functionalities. Using Tableau Hyper and Tableau Prep, you'll be able to handle and prepare data easily. You'll gear up to perform complex joins,

spatial joins, union, and data blending tasks using practical examples. Following this, you'll learn how to perform data densification to make displaying granular data easier. Next, you'll explore expert-level examples to help you with advanced calculations, mapping, and visual design using various Tableau extensions. With the help of examples, you'll also learn about improving dashboard performance, connecting Tableau Server, and understanding data visualizations. In the final chapters, you'll cover advanced use cases such as Self-Service Analytics, Time Series Analytics, and Geo-Spatial Analytics, and learn to connect Tableau to R, Python, and MATLAB. By the end of this book, you'll have mastered the advanced offerings of Tableau and be able to tackle common and not-so-common challenges faced in the BI domain. What you will learn

Get up to speed with various Tableau components

Master data preparation techniques using Tableau Prep

Discover how to use Tableau to create a PowerPoint-like presentation

Understand different Tableau visualization techniques and dashboard designs

Interact with the Tableau server to understand its architecture and functionalities

Study advanced visualizations and dashboard creation techniques

Brush up on powerful Self-Service Analytics, Time Series Analytics, and Geo-Spatial Analytics

Who this book is for

This book is designed for business analysts, BI professionals and data analysts who want to master Tableau to solve a range of data science and business intelligence problems. The book is ideal if you have a good understanding of Tableau and want to take your skills to the next level.

[Advanced Intelligent Systems for Sustainable Development \(AI2SD'2018\)](#) Microsoft Press

Advanced Intelligent Computing Theories and Applications. With Aspects of Artificial Intelligence

Fourth International Conference on Intelligent Computing, ICIC 2008 Shanghai, China, September 15-18, 2008, Proceedings

Springer

[Innovation Project Management](#) Lulu Press, Inc

This book constitutes the refereed proceedings of the 7th International Conference on Product-Focused Software Process Improvement, PROFES 2006, held in Amsterdam, June 2006. The volume presents 26 revised full papers and 12 revised short papers together with 6 reports on workshops and tutorials. The papers constitute a balanced mix of academic and industrial aspects, organized in topical sections on decision support, embedded software and system development, measurement, process improvement, and more.

[Smart Business Intelligence Solutions with Microsoft SQL Server 2008](#) Apress

Actionable tools, processes and metrics for successfully managing innovation projects

Conventional project management methods are oftentimes insufficient for managing innovation projects. Innovation is lost under the pre-determined scope and forecasted environments of traditional project management. There is tremendous pressure on organizations to innovate, and the project managers responsible for managing these innovation projects do not have the training or tools to do their jobs effectively. Innovation Project Management provides the tools, insights, and metrics needed to successfully manage innovation projects—helping readers identify problems in their organization, conceive elegant solutions, and, when necessary, promote changes to their organizational culture. There are several kinds of innovation—ranging from incremental changes to existing products to wholly original processes that emerge from market-disrupting new technology—that possess different characteristics and often require different tools. Best-selling author and project management expert Harold Kerzner integrates innovation, project management, and strategic planning to offer students and practicing professionals the essential tools and processes to analyze innovation from all sides. Innovation Project Management deconstructs traditional project management methods and explains why and how innovation projects should be managed differently. This invaluable resource: Provides practical advice and actionable tools for effectively managing innovation projects Offers value-based project management metrics and guidance on how to establish a metrics management program Shares exclusive insights from project managers at world-class organizations such as Airbus, Boeing, Hitachi, IBM, and Siemens on how they manage innovation projects Explores a variety of types of innovation including co-creation,

value-driven, agile, open versus closed, and more

Instructors have access to PowerPoint lecture slides by chapter through the book's companion website

Innovation Project Management: Methods, Case Studies, and Tools for Managing Innovation Projects is an essential text for professional project managers, corporate managers, innovation team members, as well as students in project management, innovation and entrepreneurship programs.

[Innovative Approaches and Solutions in Advanced Intelligent Systems](#) IOS Press

The Bulk Collection of Signals Intelligence: Technical Options study is a result of an activity called for in Presidential Policy Directive 28 (PPD-28), issued by President Obama in January 2014, to evaluate U.S. signals intelligence practices. The directive instructed the Office of the Director of National Intelligence (ODNI) to produce a report within one year "assessing the feasibility of creating software that would allow the intelligence community more easily to conduct targeted information acquisition rather than bulk collection." ODNI asked the National Research Council (NRC) -- the operating arm of the National Academy of Sciences and National Academy of Engineering -- to conduct a study, which began in June 2014, to assist in preparing a response to the President. Over the ensuing months, a committee of experts appointed by the Research Council produced the report.

[IBM System Storage Solutions Handbook](#) John Wiley & Sons

Learn how today's businesses can transform themselves by leveraging real-time data and advanced machine learning analytics. This book provides prescriptive guidance for architects and developers on the design and development of modern Internet of Things (IoT) and Advanced Analytics solutions. In addition, Business in Real-Time Using Azure IoT and Cortana Intelligence Suite offers patterns and practices for those looking to engage their customers and partners through Software-as-a-Service solutions that work on any device. Whether you're working in Health & Life Sciences, Manufacturing, Retail, Smart Cities and Buildings or Process Control, there exists a common platform from which you can create your targeted vertical solutions. Business in Real-Time Using Azure IoT and Cortana Intelligence Suite uses a reference architecture as a road map. Building on Azure's PaaS services, you'll see how a solution architecture unfolds that demonstrates a complete end-to-end IoT and Advanced Analytics scenario. What You'll Learn: Automate your software product life cycle using PowerShell, Azure Resource Manager Templates, and Visual Studio Team Services Implement smart devices using Node.JS and C# Use Azure Streaming Analytics to ingest millions of events Provide both "Hot" and "Cold" path outputs for real-time alerts, data transformations, and aggregation analytics Implement batch processing using Azure Data Factory Create a new form of Actionable Intelligence (AI) to drive mission critical business processes Provide rich Data Visualizations across a wide variety of mobile and web devices Who This Book is For: Solution Architects, Software Developers, Data Architects, Data Scientists, and CIO/CTA Technical Leadership Professionals

IGI Global

This book presents the latest advances in machine intelligence and big data analytics to improve early warning of cyber-attacks, for cybersecurity intrusion detection and monitoring, and malware analysis. Cyber-attacks have posed real and wide-ranging threats for the information society. Detecting cyber-attacks becomes a challenge, not only because of the sophistication of attacks but also because of the large scale and complex nature of today's IT infrastructures. It discusses novel trends and achievements in machine intelligence and their role in the development of secure systems and identifies open and future research issues related to the application of machine intelligence in the cybersecurity field. Bridging an important gap between machine intelligence, big data, and cybersecurity communities, it aspires to provide a relevant reference for students, researchers, engineers, and professionals working in this area or those interested in grasping its diverse facets and exploring the latest advances on machine intelligence and big data analytics for cybersecurity applications.

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