

2012 White Paper Agile Business Analytics

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Revisiting Supply Chain Risk - George A. Zsidisin
2018-12-18
This book offers a bridge between our current

understanding of supply chain risk in practice and theory, and the monumental shifts caused by the emergence of the fourth industrial revolution.

Supply chain risk and its management have experienced significant attention in scholarship and practice over the past twenty years. Our understanding of supply chain risk and its many facets, such as uncertainty and vulnerability, has expanded beyond utilizing approaches such as deploying inventory to buffer the initial effects of disruptions. Even with our increased knowledge of supply chain risk, being in the era of lean supply chain practices, digitally managed global supply chains, and closely interconnected networks, firms are exposed as ever to supply chain uncertainties that can damage, or even destroy, their ability to compete in the marketplace. The book acknowledges the criticality of big data analytics in Supply Chain Risk Management (SCRM) processes and provides appropriate tools and approaches for creating robust SCRM processes. Revisiting Supply Chain Risk presents a state-of-the-art look at SCRM through current research and philosophical thought. It is divided into six

sections that highlight established themes, as well as provide new insights to developing areas of inquiry and contexts on the topic. Section 1 examines the first step in managing supply chain risk, risk assessment. The chapters in Section 2 encompass resiliency in supply chains, while Section 3 looks at relational and behavioral perspectives from varying units of analysis including consortiums, teams and decision makers. Section 4 focuses on examining supply chain risk in the contexts of sustainability and innovation. Section 5 provides insight on emerging typologies and taxonomies for classifying supply chain risk. The book concludes with Section 6, featuring illustrative case studies as real-world examples in assessing and managing supply chain risk.

[Project Management and Leadership Challenges, Volume IV](#) - M. Aslam Mirza 2018-08-23

Learn how an “Agile” approach to project management blends older traditional ideas and newer discoveries to create innovative products

and services. Agility in project management is the power to move quickly and easily and the ability to think fast and draw swift conclusions. Essentially, it is a value-driven approach that allows project managers to deliver high-priority and high-quality work on projects of a highly uncertain and complex nature. This book provides an understanding of Lean project management methods that are effective for complex projects impacted by cost and resource limitations. The author presents discussions on collaboration, which is a mindset that needs to be developed with training along with creating an environment at the workplace conducive to high performance. Collaboration is a soft skill that needs to be learned by every team member to create a collaborative culture. Readers will learn how to create collaborative leadership aimed at engaging teams and groups outside formal control for trust and innovation and inspiring them toward common goals.

Agile Coping in the Digital Workplace - Nadia

Ferreira 2021-05-17

This volume outlines emerging issues for research and practice related to agile coping dynamics in the digital era. Chapters in this book report on current research on the key constructs and processes underlying coping dynamics in multi-disciplinary domains and across the life-span. Chapters compare current research trends in terms of future potential directions for research on coping dynamics in the digital era. The book also critically evaluates the relevance, applicability and utility of the research findings and theoretical premises in various classical, current and potential emerging issues for research and practice in the smart digital technological world of work for employee across their careers. Among the topics discussed: The digital era: contextual issues and coping Issues for organizational practice Issues for individuals Coping within the employability context Agile Coping in the Digital Era provides theoretical premises and research perspectives, while also

evaluating the practical utility of theory and research ideas for management and employee practices in Industry 4.0 organizational contexts.

Towards Industry 4.0 – Current Challenges in Information Systems - Marcin Hernes

2020-03-10

This book discusses various aspects of Industry 4.0 from the perspective of information system evolution. Industry 4.0 refers to a new phase in the industrial revolution that relies heavily on interconnectivity, automation, machine learning, real-time data, the Internet of Things and blockchain technology. The interdisciplinary book addresses a number of topics related to modern information technologies, and presents innovative concepts, methods, models and tools for the development of information systems to support Industry 4.0. Focusing on artificial intelligence, collective knowledge processing and blockchain technology, it appeals to a wide readership, including researchers, students, business managers and professionals, software

developers, as well as IT and management specialists.

Integration of Data Mining in Business Intelligence Systems - Azevedo, Ana

2014-09-30

Uncovering and analyzing data associated with the current business environment is essential in maintaining a competitive edge. As such, making informed decisions based on this data is crucial to managers across industries. Integration of Data Mining in Business Intelligence Systems investigates the incorporation of data mining into business technologies used in the decision making process. Emphasizing cutting-edge research and relevant concepts in data discovery and analysis, this book is a comprehensive reference source for policymakers, academicians, researchers, students, technology developers, and professionals interested in the application of data mining techniques and practices in business information systems.

Achieving Organizational Agility,

Downloaded from seotoolpoint.com on
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Intelligence, and Resilience Through Information Systems - Rahman, Hakikur

2021-09-10

As technology continues to be a ubiquitous force that propels businesses to success, it is imperative that updated studies are continuously undertaken to ensure that the most efficient tools and techniques are being utilized. In the current business environment, organizations that can improve their agility and business intelligence are able to become much more resilient and viable competitors in the global economy. Achieving Organizational Agility, Intelligence, and Resilience Through Information Systems is a critical reference book that provides the latest empirical studies, conceptual research, and methodologies that enable organizations to enhance and improve their agility, competitiveness, and sustainability in order to position them for paramount success in today's economy. Covering topics that include knowledge management, human development, and

sustainable development, this book is ideal for managers, executives, entrepreneurs, IT specialists and consultants, academicians, researchers, and students.

Data Virtualization for Business Intelligence Systems - Rick van der Lans 2012-07-25

Annotation In this book, Rick van der Lans explains how data virtualization servers work, what techniques to use to optimize access to various data sources and how these products can be applied in different projects.

Healthtech Innovation - Silvia Micalo 2022-10-03

Today, over 500,000 medical technologies are available in hospitals, homes, and community care settings. They range from simple bandages to complex, multi-part body scanners that cost millions of dollars to develop. Yet a typical technology has a lifecycle of just 21 months before an improved product usurps it—the healthcare ecosystem is rapidly advancing and driven by a constant flow of innovation. And

those innovations need innovators. With \$21 billion made available for investment in the digital healthcare industry in 2020 (a 20x increase on 2010), entrepreneurs, investors, and related actors are entering the healthcare ecosystem in greater numbers than ever before. Last year alone, over 17,000 medical technology patents were filed, the third highest of all patent types. Each of those has a dedicated team of entrepreneurs behind it. Yet with increasingly strict regulations and pharmaceutical giants growing more aggressive, many thousands of entrepreneurs fail before even the patent stage: just 2% secure revenue or adoption. Healthtech Innovation: How Entrepreneurs Can Define and Build the Value of Their New Products is a down-to-earth survival guide for entrepreneurs struggling to secure a strategic position within the healthtech ecosystem. Which is expected that by 2026, the global digital health market size will be around \$657 billion. This book is designed to help innovators navigate this

complex and newly volatile landscape. It covers business strategy, marketing, funding acquisition, and operation in a global regulatory context. It is written in simple language, evidenced by the latest academic and industry research, and explained using real-world examples and case studies.

Agile Engagement - Santiago Jaramillo
2016-11-16

Achieve unprecedented business value by fostering true employee engagement Many organizations fail to realize and harness the power of their most valuable asset—their employees. Though they can be developed into a true competitive advantage, engagement isn't attainable if the employee isn't invested in the company's overall success. Agile Engagement offers business leaders a concrete strategy for building, maintaining, and utilizing employee engagement to achieve the highest level of business success. The key? Employees must feel like they are a part of their company's culture

instead of having it handed down to them. Stories of failed employee engagement initiatives abound, and they all have one thing in common: they begin from the premise of "initiative" rather than "employee." True engagement occurs when an employee's heart and mind are activated in a way that leads to their motivation and commitment to positively impact the company's goals and vision. This book shows you how to create an environment that stresses a culture of unity at all levels by showing you how to: Create a clear, compelling vision and corresponding engagement strategy through the Engagement Canvas Communicate your unique culture strategy throughout all levels of your company Foster grassroots, employee-led engagement initiatives Improve engagement continuously with the Emplify Score tool Agile Engagement provides a deeper look into real engagement, helping you foster a work environment that's rewarded with unsurpassed productivity, innovation, and competitive advantage, as well

as employees who feel valued, respected, and heard.

Agile Scrum Implementation and Its Long-Term Impact on Organizations - Walsh,

Kenneth R. 2020-08-21

Software engineering has surfaced as an industrial field that is continually evolving due to the emergence of advancing technologies and innovative methodologies. Scrum is the most recent revolution that is transforming traditional software procedures, which has researchers and practitioners scrambling to find the best techniques for implementation. The continued development of this agile process requires an extensive level of research on up-to-date findings and applicable practices. Agile Scrum Implementation and Its Long-Term Impact on Organizations is a collection of innovative research on the methods and applications of scrum practices in developing agile software systems. The book combines perspectives from both the academic and professional communities

as the challenges and solutions expressed by each group can create a better understanding of how practice must be applied in the real world of software development. While highlighting topics including scrum adoption, iterative deployment, and human impacts, this book is ideally designed for researchers, developers, engineers, practitioners, academicians, programmers, students, and educators seeking current research on practical improvements in agile software progression using scrum methodologies.

Big Data Strategies for Agile Business -

Bhuvan Unhelkar 2017-09-13

Agile is a set of values, principles, techniques, and frameworks for the adaptable, incremental, and efficient delivery of work. Big Data is a rapidly growing field that encompasses crucial aspects of data such as its volume, velocity, variety, and veracity. This book outlines a strategic approach to Big Data that will render a business Agile. It discusses the important competencies required to streamline and focus

on the analytics and presents a roadmap for implementing such analytics in business.

Regulating Artificial Intelligence - Dominika Ewa Harasimiuk 2021-02-05

Exploring potential scenarios of artificial intelligence regulation which prevent automated reality harming individual human rights or social values, this book reviews current debates surrounding AI regulation in the context of the emerging risks and accountabilities. Considering varying regulatory methodologies, it focuses mostly on EU's regulation in light of the comprehensive policy making process taking place at the supranational level. Taking an ethics and humancentric approach towards artificial intelligence as the bedrock of future laws in this field, it analyses the relations between fundamental rights impacted by the development of artificial intelligence and ethical standards governing it. It contains a detailed and critical analysis of the EU's Ethic Guidelines for Trustworthy AI, pointing at its practical

applicability by the interested parties. Attempting to identify the most transparent and efficient regulatory tools that can assure social trust towards AI technologies, the book provides an overview of horizontal and sectoral regulatory approaches, as well as legally binding measures stemming from industries' self-regulations and internal policies.

Agile Business Intelligence - Stephan Trahasch 2016-01-12

Agile Methoden und Vorgehensweisen werden heute auch in BI-Projekten erfolgreich und gewinnbringend eingesetzt. Dabei steht eine ganze Reihe unterschiedlicher Ansätze zur Steigerung der BI-Agilität zur Verfügung. Entscheidend für den Erfolg ist die ganzheitliche Betrachtung von BI-Architekturen, - Organisationsformen, -Technologien und an BI angepasste agile Vorgehensmodelle. Die Autoren erörtern in diesem Buch Agile Business Intelligence, indem sie zunächst BI-Agilität mithilfe eines Ordnungsrahmens definieren und

strukturieren. Auf diesen Grundlagen aufbauend zeigen sie anhand von konkreten Fallstudien, wie Agilität in BI-Projekten umgesetzt werden kann. Hierbei handelt es sich beispielsweise um die Durchführung agiler Projekte zum Aufbau eines Data Warehouse oder um die Umsetzung von Sandboxes auf Basis von In-Memory-Technologien. Behandelt werden im Einzelnen: • Der Einsatz von Scrum in der Business Intelligence • Anforderungsmanagement durch User Stories • Modellierung agiler BI-Systeme • Data Vault für agile Data-Warehouse-Architekturen • Agile BI-Architekturen • Automatisiertes Testen • BI-Agilität: Relevanz, Anforderungen und Maßnahmen • Agil und dezentral zum Enterprise Data Warehouse Das Buch richtet sich an Praktiker aus dem BI-Projektmanagement und der BI-Entwicklung sowie an BI-Entscheider, BI-Berater und Mitarbeiter aus den Fachabteilungen, die für BI-Lösungen verantwortlich sind. In der Edition TDWI erscheinen Titel, die vom dpunkt.verlag

gemeinsam mit dem TDWI Germany e.V. ausgewählt und konzipiert werden. Inhaltliche Schwerpunkte dieser Reihe sind Business Intelligence und Data Warehousing.

Agile Analytics - Ken Collier 2012

Using Agile methods, you can bring far greater innovation, value, and quality to any data warehousing (DW), business intelligence (BI), or analytics project. However, conventional Agile methods must be carefully adapted to address the unique characteristics of DW/BI projects. In Agile Analytics, Agile pioneer Ken Collier shows how to do just that. Collier introduces platform-agnostic Agile solutions for integrating infrastructures consisting of diverse operational, legacy, and specialty systems that mix commercial and custom code. Using working examples, he shows how to manage analytics development teams with widely diverse skill sets and how to support enormous and fast-growing data volumes. Collier's techniques offer optimal value whether your projects involve "back-end"

data management, "front-end" business analysis, or both. Part I focuses on Agile project management techniques and delivery team coordination, introducing core practices that shape the way your Agile DW/BI project community can collaborate toward success Part II presents technical methods for enabling continuous delivery of business value at production-quality levels, including evolving superior designs; test-driven DW development; version control; and project automation Collier brings together proven solutions you can apply right now--whether you're an IT decision-maker, data warehouse professional, database administrator, business intelligence specialist, or database developer. With his help, you can mitigate project risk, improve business alignment, achieve better results--and have fun along the way.

Management Approach for Resource-Productive Operations - Markus Hammer
2018-07-10

Markus Hammer investigates a time-based and analytics-supported operations management approach. He explores five perspectives: 1) the needs of industry, in particular manufacturing in process industries, 2) the impact of digitization, with focus on Big Data and analytics, 3) the management of operations through time-based performance metrics, 4) how operations improvement methods and advanced process control help achieve resource-productive operations and 5) learning from practice based on two empirical case studies. The author conceives, explains, and tests an implementation methodology. The final case study proves that the developed implementation methodology works in practice.

The Openxp Solution - Dr. Sandra Walsh
2016-03-31

Over recent decades, an abundance of reports have established that significant difficulties are experienced with the development of requirements in software projects. Traditionally,

requirements are documented prior to development remaining fixed with little scope for subsequent change. However, for competitive domains, change to initial expectations frequently occurs and should be accommodated to increase the likelihood of project success. Agile Methods (AMs) recognise this, creating shorter development cycles and increased customer involvement, thus contributing toward higher levels of adaptability for changing requirements. However, despite widespread adoption, problems still remain as considerable difficulty exists in managing negotiation between interdisciplinary stakeholder groups. Specific problems include difficulty achieving a collaborative approach, early detection, and resolution of requirements conflict and limited access to suitable stakeholders also contributes toward developers not fully understanding the domain. In response to these challenges, this book has been written to address the inclusion of input from critical stakeholders on software

development projects. This is achieved by utilizing Home Care Systems (HCS) as an exemplar for Dynamically Adaptive Systems (DAS), illustrating how AMs can be extended to better suit the desirable characteristics for an evolutionary Requirements Engineering (RE) approach to be developed. The findings from multiple studies, both academic and industry-based, inform the development of a novel evolutionary framework called OpenXP to improve the facilitation of agile requirements elicitation in complex business domains. OpenXP provides the Agile Business Analyst with a practical solution to the strategic consolidation of multiple diverse viewpoints in developing a representative perspective of the overall project goal. Specifically, this novel approach introduces a more participatory elicitation process, extending hands-on support for prioritization, decision making, and the provision of an informative workspace, including upper level business context needed for developing user

stories. The OpenXP framework is a three-phased solution consisting of nine specific steps linked with four broader facets. Each facet is then responsible for implementing one or more strategic functions that comprise Stakeholder Coordination, Business and IT Alignment, Effective Communication, Adaptability Integration on agile software projects.

Agile Data Warehousing Project

Management - Ralph Hughes 2012-12-28

You have to make sense of enormous amounts of data, and while the notion of “agile data warehousing might sound tricky, it can yield as much as a 3-to-1 speed advantage while cutting project costs in half. Bring this highly effective technique to your organization with the wisdom of agile data warehousing expert Ralph Hughes. Agile Data Warehousing Project Management will give you a thorough introduction to the method as you would practice it in the project room to build a serious “data mart. Regardless of where you are today, this step-by-step implementation

guide will prepare you to join or even lead a team in visualizing, building, and validating a single component to an enterprise data warehouse. Provides a thorough grounding on the mechanics of Scrum as well as practical advice on keeping your team on track Includes strategies for getting accurate and actionable requirements from a team's business partner Revolutionary estimating techniques that make forecasting labor far more understandable and accurate Demonstrates a blends of Agile methods to simplify team management and synchronize inputs across IT specialties Enables you and your teams to start simple and progress steadily to world-class performance levels

Advances in Human Factors and Ergonomics

2012- 14 Volume Set - Gavriel Salvendy

2012-08-06

With contributions from an international group of authors with diverse backgrounds, this set comprises all fourteen volumes of the proceedings of the 4th AHFE Conference 21-25

July 2012. The set presents the latest research on current issues in Human Factors and Ergonomics. It draws from an international panel that examines cross-cultural differences, design issues, usability, road and rail transportation, aviation, modeling and simulation, and healthcare.

Handbook of Research on Multidisciplinary Approaches to Entrepreneurship, Innovation, and ICTs - Carvalho, Luísa Cagica 2020-08-21

Currently, most organizations are dependent on IS/ICT in order to support their business strategies. IS/ICT can promote the implementation of strategies and enhancers of optimization of the various aspects of the business. In market enterprises and social organizations, digital economy and ICTs are important tools that can empower social entrepreneurship initiatives to develop, fund, and implement new and innovative solutions to social, cultural, and environmental problems. The Handbook of Research on Multidisciplinary

Approaches to Entrepreneurship, Innovation, and ICTs is an essential reference source that discusses the digitalization techniques of the modern workforce as well as important tools empowering social entrepreneurship initiatives. Featuring research on topics such as agile business analysis, multicultural workforce, and human resource management, this book is ideally designed for business managers, entrepreneurs, IT consultants, researchers, industry professionals, human resource consultants, academicians, and students.

Communication and Smart Technologies -

Álvaro Rocha 2021-09-30

This book features selected papers from the International Conference on Communication and Applied Technologies (ICOMTA 2021), jointly organized by Universidad del Rosario (Bogotá, Colombia); the University of Vigo (Galicia, Spain); the University of Santiago de Compostela-Equipo de Investigaciones Políticas (Galicia, Spain); the University of A Coruña (Galicia, Spain); and the

Information and Technology Management Association (ITMA), during September 2021. It covers recent advances in the field of digital communication and processes digital social media, software, big data, data mining, and intelligent systems.

Rapid Automation: Concepts, Methodologies, Tools, and Applications -
Management Association, Information Resources
2019-03-01

Through expanded intelligence, the use of robotics has fundamentally transformed the business industry. Providing successful techniques in robotic design allows for increased autonomous mobility, which leads to a greater productivity and production level. Rapid Automation: Concepts, Methodologies, Tools, and Applications provides innovative insights into the state-of-the-art technologies in the design and development of robotics and their real-world applications in business processes. Highlighting a range of topics such as workflow automation

tools, human-computer interaction, and swarm robotics, this multi-volume book is ideally designed for computer engineers, business managers, robotic developers, business and IT professionals, academicians, and researchers.

Advanced Methodologies and Technologies in Business Operations and Management -

Khosrow-Pour, D.B.A., Mehdi 2018-09-14

Businesses consistently work on new projects, products, and workflows to remain competitive and successful in the modern business environment. To remain zealous, businesses must employ the most effective methods and tools in human resources, project management, and overall business plan execution as competitors work to succeed as well. Advanced Methodologies and Technologies in Business Operations and Management provides emerging research on business tools such as employee engagement, payout policies, and financial investing to promote operational success. While highlighting the challenges facing modern

organizations, readers will learn how corporate social responsibility and utilizing artificial intelligence improve a company's culture and management. This book is an ideal resource for executives and managers, researchers, accountants, and financial investors seeking current research on business operations and management.

Big Data: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2016-04-20

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. *Big Data: Concepts, Methodologies, Tools, and Applications* is a multi-

volume compendium of research-based perspectives and solutions within the realm of large-scale and complex data sets. Taking a multidisciplinary approach, this publication presents exhaustive coverage of crucial topics in the field of big data including diverse applications, storage solutions, analysis techniques, and methods for searching and transferring large data sets, in addition to security issues. Emphasizing essential research in the field of data science, this publication is an ideal reference source for data analysts, IT professionals, researchers, and academics.

Principles and Applications of Business Intelligence Research - Herschel, Richard T.

2012-12-31

"This book provides the latest ideas and research on advancing the understanding and implementation of business intelligence within organizations"--Provided by publisher.

Agile Data Warehousing for the Enterprise - Ralph Hughes 2015-09-19

Building upon his earlier book that detailed agile data warehousing programming techniques for the Scrum master, Ralph's latest work illustrates the agile interpretations of the remaining software engineering disciplines: Requirements management benefits from streamlined templates that not only define projects quickly, but ensure nothing essential is overlooked. Data engineering receives two new "hyper modeling" techniques, yielding data warehouses that can be easily adapted when requirements change without having to invest in ruinously expensive data-conversion programs. Quality assurance advances with not only a stereoscopic top-down and bottom-up planning method, but also the incorporation of the latest in automated test engines. Use this step-by-step guide to deepen your own application development skills through self-study, show your teammates the world's fastest and most reliable techniques for creating business intelligence systems, or ensure that the IT department working for you is building your

next decision support system the right way. Learn how to quickly define scope and architecture before programming starts Includes techniques of process and data engineering that enable iterative and incremental delivery Demonstrates how to plan and execute quality assurance plans and includes a guide to continuous integration and automated regression testing Presents program management strategies for coordinating multiple agile data mart projects so that over time an enterprise data warehouse emerges Use the provided 120-day road map to establish a robust, agile data warehousing program

Handbook of Research on Cloud Infrastructures for Big Data Analytics - Raj, Pethuru 2014-03-31 Clouds are being positioned as the next-generation consolidated, centralized, yet federated IT infrastructure for hosting all kinds of IT platforms and for deploying, maintaining, and managing a wider variety of personal, as well as professional applications and services. Handbook

of Research on Cloud Infrastructures for Big Data Analytics focuses exclusively on the topic of cloud-sponsored big data analytics for creating flexible and futuristic organizations. This book helps researchers and practitioners, as well as business entrepreneurs, to make informed decisions and consider appropriate action to simplify and streamline the arduous journey towards smarter enterprises.

Applying Business Intelligence Initiatives in Healthcare and Organizational Settings - Miah, Shah J. 2018-07-13

Data analysis is an important part of modern business administration, as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations. Understanding the use of analytics, reporting, and data mining in everyday business environments is imperative to the success of modern businesses. Applying Business Intelligence Initiatives in Healthcare and

Organizational Settings incorporates emerging concepts, methods, models, and relevant applications of business intelligence systems within problem contexts of healthcare and other organizational boundaries. Featuring coverage on a broad range of topics such as rise of embedded analytics, competitive advantage, and strategic capability, this book is ideally designed for business analysts, investors, corporate managers, and entrepreneurs seeking to advance their understanding and practice of business intelligence.

Business Intelligence and Agile Methodologies for Knowledge-Based Organizations: Cross-Disciplinary Applications - Rahman El Sheikh, Asim Abdel 2011-09-30

Business intelligence applications are of vital importance as they help organizations manage, develop, and communicate intangible assets such as information and knowledge. Organizations that have undertaken business intelligence initiatives have benefited from

increases in revenue, as well as significant cost savings. *Business Intelligence and Agile Methodologies for Knowledge-Based Organizations: Cross-Disciplinary Applications* highlights the marriage between business intelligence and knowledge management through the use of agile methodologies. Through its fifteen chapters, this book offers perspectives on the integration between process modeling, agile methodologies, business intelligence, knowledge management, and strategic management.

Encyclopedia of Information Science and Technology, Fourth Edition - Khosrow-Pour, D.B.A., Mehdi 2017-06-20

In recent years, our world has experienced a profound shift and progression in available computing and knowledge sharing innovations. These emerging advancements have developed at a rapid pace, disseminating into and affecting numerous aspects of contemporary society. This has created a pivotal need for an innovative compendium encompassing the latest trends,

concepts, and issues surrounding this relevant discipline area. During the past 15 years, the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and discoveries in this discipline. The Encyclopedia of Information Science and Technology, Fourth Edition is a 10-volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives, applications, and techniques contributed by thousands of experts and researchers from around the globe. This authoritative encyclopedia is an all-encompassing, well-established reference source that is ideally designed to disseminate the most forward-thinking and diverse research findings. With critical perspectives on the impact of information science management and new technologies in modern settings, including but not limited to computer science, education, healthcare, government, engineering, business, and natural

and physical sciences, it is a pivotal and relevant source of knowledge that will benefit every professional within the field of information science and technology and is an invaluable addition to every academic and corporate library.

Agile Procurement - Bernardo Nicoletti
2017-09-18

This book is the first of two volumes presenting a business model to add value through Procurement. Including several case studies of successful implementation, it demonstrates how the increasing complexity of the business environment requires a significant intervention on the management of processes and information within individual organizations and through inter-company relations. Agile Procurement presents the application of the Agile method which optimises and digitizes processes in order to reduce wastage and defects. As a method, tool and a culture aimed at effectiveness, efficiency and economy of organisations, agile procurement requires a

change of paradigm. This volume examines these areas of improvement and presents best practice in improving processes. Each chapter of the book presents and substantiates the costs and benefits of process improvement through agile procurement. This is seen as the integration of Lean Six Sigma and digitization.

Database and Expert Systems Applications -
Sven Hartmann 2019-10-02

This two volume set of LNCS 11706 and LNCS 11707 constitutes the refereed proceedings of the 30th International Conference on Database and Expert Systems Applications, DEXA 2019, held in Linz, Austria, in August 2019. The 32 full papers presented together with 34 short papers were carefully reviewed and selected from 157 submissions. The papers are organized in the following topical sections: Part I: Big data management and analytics; data structures and data management; management and processing of knowledge; authenticity, privacy, security and trust; consistency, integrity, quality of data;

decision support systems; data mining and warehousing. Part II: Distributed, parallel, P2P, grid and cloud databases; information retrieval; Semantic Web and ontologies; information processing; temporal, spatial, and high dimensional databases; knowledge discovery; web services.

Information Systems and Technology for Organizational Agility, Intelligence, and Resilience -
Rahman, Hakikur 2014-04-30

Knowledge of scientific and technological developments, and the flexible communication and decision making, knowledge sharing, and collaboration that stem from them, can enable organizations and individuals to be successful and viable competitors in today's global economy. Information Systems and Technology for Organizational Agility, Intelligence, and Resilience aims to advise and support organizational agents who want ensure success in terms of financial, social, and environmental aspects, as well as in the aspect of human

development, in a more sustainable way. The premier reference work provides examples of conceptual research, methodologies, empirical cases, and success cases for academics, researchers, intermediaries, and organizations looking to use information systems and technology to boost their agility, intelligence, and resilience.

Professional Team Foundation Server 2012 - Ed Blankenship 2012-12-14

A comprehensive guide to using Microsoft Team Foundation Server 2012 Team Foundation Server has become the leading Microsoft productivity tool for software management, and this book covers what developers need to know to use it effectively. Fully revised for the new features of TFS 2012, it provides developers and software project managers with step-by-step instructions and even assists those who are studying for the TFS 2012 certification exam. You'll find a broad overview of TFS, thorough coverage of core functions, a look at extensibility options, and

more, written by Microsoft insiders and MVPs. An update of the leading Wrox book on Team Foundation Server, written by an expert team of Microsoft insiders and MVPs Provides a broad overview of Team Foundation Server for developers, software project managers, testers, business analysts, and others wanting to learn how to use TFS Offers administrators the necessary tools to efficiently monitor and manage the TFS environment Covers core TFS functions including project management, work item tracking, version control, test case management, build automation, reporting, and how to write extensions for TFS 2012 Professional Team Foundation Server 2012 builds on the proven Wrox Professional formula to give you a solid background in this software management tool.

Business Intelligence - Rimvydas Skyrius 2021-03-08

This book examines the managerial dimensions of business intelligence (BI) systems. It develops

a set of guidelines for value creation by implementing business intelligence systems and technologies. In particular the book looks at BI as a process – driven by a mix of human and technological capabilities – to serve complex information needs in building insights and providing aid in decision making. After an introduction to the key concepts of BI and neighboring areas of information processing, the book looks at the complexity and multidimensionality of BI. It tackles both data integration and information integration issues. Bodies of knowledge and other widely accepted collections of experience are presented and turned into lessons learned. Following a straightforward introduction to the processes and technologies of BI the book embarks on BI maturity and agility, the components, drivers and inhibitors of BI culture and soft BI factors like attention, sense and trust. Eventually the book attempts to provide a holistic view on business intelligence, possible structures and tradeoffs

and embarks to provide an outlook on possible developments in BI and analytics.
Sport Analytics - Gil Fried 2016-11-10
The increasing availability of data has transformed the way sports are played, promoted and managed. This is the first textbook to explain how the big data revolution is having a profound influence across the sport industry, demonstrating how sport managers and business professionals can use analytical techniques to improve their professional practice. While other sports analytics books have focused on player performance data, this book shows how analytics can be applied to every functional area of sport business, from marketing and event management to finance and legal services. Drawing on research that spans the entire sport industry, it explains how data is influencing the most important decisions, from ticket sales and human resources to risk management and facility operations. Each chapter contains real world examples, industry profiles and extended case

studies which are complimented by a companion website full of useful learning resources. Sport Analytics: A data-driven approach to sport business and management is an essential text for all sport management students and an invaluable reference for any sport management professional involved in operational research.

Business-Oriented Enterprise Integration for Organizational Agility - Robin G. Qiu 2013-04-30

"This book explores technical integration challenges with a focus on identifying a viable solution on how to enable rich, flexible, and responsive information links, in support of the changing business operations across organizations"--Provided by publisher.

Information Quality and Governance for Business Intelligence - Yeoh, William 2013-12-31

Business intelligence initiatives have been dominating the technology priority list of many organizations. However, the lack of effective information quality and governance strategies and policies has been meeting these initiatives

with some challenges. Information Quality and Governance for Business Intelligence presents the latest exchange of academic research on all aspects of practicing and managing information using a multidisciplinary approach that examines its quality for organizational growth. This book is an essential reference tool for researchers, practitioners, and university students specializing in business intelligence, information quality, and information systems.

Business Intelligence and Big Data - Celina M. Olszak 2020-11-17

The twenty-first century is a time of intensifying competition and progressive digitization. Individual employees, managers, and entire organizations are under increasing pressure to succeed. The questions facing us today are: What does success mean? Is success a matter of chance and luck or perhaps is success a category that can be planned and properly supported? Business Intelligence and Big Data: Drivers of Organizational Success examines how the

success of an organization largely depends on the ability to anticipate and quickly respond to challenges from the market, customers, and other stakeholders. Success is also associated with the potential to process and analyze a variety of information and the means to use modern information and communication technologies (ICTs). Success also requires creative behaviors and organizational cleverness from an organization. The book discusses business intelligence (BI) and Big Data (BD) issues in the context of modern management paradigms and organizational success. It presents a theoretically and empirically grounded investigation into BI and BD application in organizations and examines such issues as: Analysis and interpretation of the essence of BI and BD Decision support Potential areas of BI and BD utilization in organizations Factors determining success with using BI and BD The role of BI and BD in value creation for organizations Identifying barriers and constraints

related to BI and BD design and implementation The book presents arguments and evidence confirming that BI and BD may be a trigger for making more effective decisions, improving business processes and business performance, and creating new business. The book proposes a comprehensive framework on how to design and use BI and BD to provide organizational success. Data Warehouse Requirements Engineering - Naveen Prakash 2018-01-29

As the first to focus on the issue of Data Warehouse Requirements Engineering, this book introduces a model-driven requirements process used to identify requirements granules and incrementally develop data warehouse fragments. In addition, it presents an approach to the pair-wise integration of requirements granules for consolidating multiple data warehouse fragments. The process is systematic and does away with the fuzziness associated with existing techniques. Thus, consolidation is treated as a requirements engineering issue. The

notion of a decision occupies a central position in the decision-based approach. On one hand, information relevant to a decision must be elicited from stakeholders; modeled; and transformed into multi-dimensional form. On the other, decisions themselves are to be obtained from decision applications. For the former, the authors introduce a suite of information elicitation techniques specific to data warehousing. This information is subsequently converted into multi-dimensional form. For the latter, not only are decisions obtained from decision applications for managing operational businesses, but also from applications for formulating business policies and for defining rules for enforcing policies, respectively. In this context, the book presents a broad range of models, tools and techniques. For readers from academia, the book identifies the scientific/technological problems it addresses and provides cogent arguments for the proposed solutions; for readers from industry, it presents

an approach for ensuring that the product meets its requirements while ensuring low lead times in delivery.

Encyclopedia of Organizational Knowledge, Administration, and Technology - Khosrow-Pour D.B.A., Mehdi 2020-09-29

For any organization to be successful, it must operate in such a manner that knowledge and information, human resources, and technology are continually taken into consideration and managed effectively. Business concepts are always present regardless of the field or industry – in education, government, healthcare, not-for-profit, engineering, hospitality/tourism, among others. Maintaining organizational awareness and a strategic frame of mind is critical to meeting goals, gaining competitive advantage, and ultimately ensuring sustainability. The Encyclopedia of Organizational Knowledge, Administration, and Technology is an inaugural five-volume publication that offers 193 completely new and previously unpublished

articles authored by leading experts on the latest concepts, issues, challenges, innovations, and opportunities covering all aspects of modern organizations. Moreover, it is comprised of content that highlights major breakthroughs, discoveries, and authoritative research results as they pertain to all aspects of organizational growth and development including methodologies that can help companies thrive and analytical tools that assess an organization's internal health and performance. Insights are offered in key topics such as organizational structure, strategic leadership, information technology management, and business analytics, among others. The knowledge compiled in this

publication is designed for entrepreneurs, managers, executives, investors, economic analysts, computer engineers, software programmers, human resource departments, and other industry professionals seeking to understand the latest tools to emerge from this field and who are looking to incorporate them in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to business, management science, organizational development, entrepreneurship, sociology, corporate psychology, computer science, and information technology will benefit from the research compiled within this publication.