

Los datos son un activo con propiedades únicas. El valor de los datos puede y debe expresarse en términos económicos. Gestionar los datos significa gestionar la calidad de los datos. Se necesitan metadatos para gestionar los datos. Se necesita planificación para gestionar los datos. La gestión de datos es multifuncional y requiere una amplia gama de habilidades y experiencia. La gestión de datos requiere una perspectiva empresarial. La gestión de datos debe tener en cuenta una serie de perspectivas. La gestión de datos es la gestión del ciclo de vida de los datos. Los diferentes tipos de datos tienen diferentes requerimientos de ciclo de vida. La gestión de datos incluye la gestión de los riesgos asociados a los datos. Los requerimientos de gestión de datos deben impulsar las decisiones sobre tecnología de la información. Una gestión eficaz de los datos requiere un compromiso de liderazgo. Los capítulos

Object-oriented Modeling and Design for Database Applications -

Michael Blaha 1998

Written from a software engineering perspective, this book shows programmers & developers how to build object-oriented database applications for distributed & client/server environments using the newest update of the OMT methodology & UML.

DAMA-DMBOK: Guía Del Conocimiento Para La Gestión De Datos (Spanish Edition) DAMA International

La Guía del Conocimiento para la Gestión de Datos (DAMA-DMBOK2) presenta una visión exhaustiva de los desafíos, complejidades y valor de la gestión eficaz de los datos. Las organizaciones de hoy en día reconocen que la gestión de los datos es fundamental para su éxito.

Reconocen que los datos tienen valor y quieren aprovechar ese valor. A medida que nuestra capacidad y deseo de crear y explotar datos ha aumentado, también lo ha hecho la necesidad de prácticas de gestión de datos confiables. La segunda edición de la Guía del Conocimiento para la Gestión de Datos de DAMA International actualiza y aumenta el exitoso DMBOK1. DMBOK2, un libro de referencia accesible y autorizado, escrito por los principales pensadores en el campo y ampliamente revisado por los miembros de DAMA, reúne materiales que describen exhaustivamente los desafíos de la gestión de datos y cómo cumplirlos mediante:

- Definir un conjunto de principios rectores para la gestión de datos y describir cómo se pueden aplicar estos principios dentro de las áreas funcionales de gestión de datos.
- Proporcionar un marco de referencia funcional para la implementación de prácticas de gestión de datos empresariales, incluyendo prácticas, métodos y técnicas ampliamente adoptadas, funciones, roles, entregables y métricas.
- Establecer un vocabulario común para los conceptos de gestión de datos y servir de base para las mejores prácticas para los profesionales de la gestión de datos.

DAMA-DMBOK2 proporciona a los profesionales de la gestión de datos y de TI, a ejecutivos, trabajadores del conocimiento, educadores e investigadores un marco para gestionar sus datos y madurar su infraestructura de información, basado en estos principios:

- Los datos son un activo con propiedades únicas
- El valor de los datos puede y debe expresarse en términos económicos
- Gestionar los datos significa gestionar la calidad de los datos
- Se necesitan metadatos para gestionar los datos
- Se necesita planificación para gestionar los datos
- La gestión de datos es multifuncional y requiere una amplia gama de habilidades y experiencia
- La gestión de datos requiere una perspectiva empresarial
- La gestión de datos debe tener en cuenta una serie de perspectivas
- La gestión de datos es la gestión del ciclo de vida de los datos
- Los diferentes tipos de datos tienen diferentes requerimientos de ciclo de vida
- La gestión de datos incluye la gestión de los riesgos asociados a los datos
- Los requerimientos de gestión de datos deben impulsar las decisiones sobre tecnología de la información
- Una gestión eficaz de los datos requiere un compromiso de liderazgo

Los capítulos

incluyen: · Gestión de Datos · Manejo Ético de los Datos · Gobierno de Datos · Arquitectura de Datos · Modelado y Diseño de Datos · Almacenamiento de Datos y Operaciones · Seguridad de Datos · Integración de Datos e Interoperabilidad · Gestión de Documentos y Contenidos · Datos Maestros y de Referencia · Data Warehousing e Inteligencia de Negocios · Gestión de Metadatos · Calidad de Datos · Big Data y Ciencia de Datos · Evaluación de la Madurez de la Gestión de Datos · Organización de la Gestión de Datos y Expectativas de Roles · Gestión de Datos y Gestión del Cambio Organizacional La estandarización de las disciplinas de gestión de datos ayudará a los profesionales de la gestión de datos a desempeñarse de forma más eficaz y consistente. También permitirá a los líderes de la organización reconocer el valor y las contribuciones de las actividades de gestión de datos.

Patterns of Information Management - Mandy Chessell 2013-05-02
Use Best Practice Patterns to Understand and Architect Manageable, Efficient Information Supply Chains That Help You Leverage All Your Data and Knowledge In the era of “Big Data,” information pervades every aspect of the organization. Therefore, architecting and managing it is a multi-disciplinary task. Now, two pioneering IBM® architects present proven architecture patterns that fully reflect this reality. Using their pattern language, you can accurately characterize the information issues associated with your own systems, and design solutions that succeed over both the short- and long-term. Building on the analogy of a supply chain, Mandy Chessell and Harald C. Smith explain how information can be transformed, enriched, reconciled, redistributed, and utilized in even the most complex environments. Through a realistic, end-to-end case study, they help you blend overlapping information management, SOA, and BPM technologies that are often viewed as competitive. Using this book’s patterns, you can integrate all levels of your architecture—from holistic, enterprise, system-level views down to low-level design elements. You can fully address key non-functional requirements such as the amount, quality, and pace of incoming data. Above all, you can create an IT landscape that is coherent, interconnected, efficient, effective, and

manageable. Coverage Includes Understanding how a pattern language can help you address key information management challenges Defining information strategy and governance for organizations and users Creating orderly information flows you can reuse and synchronize as needed Managing information structure, meaning, and lifecycles Providing for efficient information access and storage when deploying new IT capabilities Moving information efficiently and reliably to support your processes Determining how information should be processed and maintained Improving quality and accessibility, and supporting higher-value analytics Protecting information via validation, transformation, enrichment, correction, security, and monitoring Planning new information management projects in the context of your existing IT resources

Analytics Across the Enterprise - Brenda L. Dietrich 2014-05-15
How to Transform Your Organization with Analytics: Insider Lessons from IBM’s Pioneering Experience Analytics is not just a technology: It is a better way to do business. Using analytics, you can systematically inform human judgment with data-driven insight. This doesn’t just improve decision-making: It also enables greater innovation and creativity in support of strategy. Your transformation won’t happen overnight; however, it is absolutely achievable, and the rewards are immense. This book demystifies your analytics journey by showing you how IBM has successfully leveraged analytics across the enterprise, worldwide. Three of IBM’s pioneering analytics practitioners share invaluable real-world perspectives on what does and doesn’t work and how you can start or accelerate your own transformation. This book provides an essential framework for becoming a smarter enterprise and shows through 31 case studies how IBM has derived value from analytics throughout its business. Coverage Includes Creating a smarter workforce through big data and analytics More effectively optimizing supply chain processes Systematically improving financial forecasting Managing financial risk, increasing operational efficiency, and creating business value Reaching more B2B or B2C customers and deepening their engagement Optimizing manufacturing and product management

processes Deploying your sales organization to increase revenue and effectiveness Achieving new levels of excellence in services delivery and reducing risk Transforming IT to enable wider use of analytics “Measuring the immeasurable” and filling gaps in imperfect data Whatever your industry or role, whether a current or future leader, analytics can make you smarter and more competitive. Analytics Across the Enterprise shows how IBM did it--and how you can, too. Learn more about IBM Analytics

Best Practices for Technical Writers and Editors, Video Enhanced Edition (Collection) - Francis DeRespinis 2012-04-13

Normal 0 false false false MicrosoftInternetExplorer4 A brand new collection of state-of-the-art insights for technical writers, editors, and content managers...in a convenient e-format, at a great price! Three outstanding IBM Press eBooks plus exclusive video walkthroughs help you maximize the value and effectiveness of your technical communications—in all media, for all audiences, everywhere! (Enhanced eBook) This package brings together unsurpassed IBM eBook and video resources for creating clearer, more usable, more effective technical communication. For one low price, you get three outstanding IBM Press books in industry-standard ePub format, plus exclusive video demonstrations walking through many key topics and techniques on DITA, step-by-step! The IBM Style Guide: Conventions for Writers and Editors distills IBM’s best wisdom for developing higher-quality content across all media, authors, and geographic locations. It delivers up-to-the minute guidance on topic-based writing; writing for diverse media and global audiences; organizing, structuring, and linking information; maximizing accessibility; documenting interfaces and procedures; and much more. Next, in DITA Best Practices: A Roadmap for Writing, Editing, and Architecting in DITA , three pioneering implementers show how to use DITA to maximize the value of technical documentation, and offer a complete roadmap for successful DITA adoption and usage. The authors answer crucial questions “official” DITA documents ignore, including: “Where do you start?” and “How do you avoid the pitfalls?” Discover proven best practices for developing effective topics, short

descriptions, and content architecture, plus “in-the-trenches” solutions for ensuring quality implementations and accurate, cost-effective content conversion, including video demonstrations. Finally, Developing Quality Technical Information: A Handbook for Writers and Editors , Second Edition, presents today’s most systematic, well-proven approach to creating great documentation. Learn how to focus on the right tasks and topics; say more with fewer words; use organization to deliver faster access; streamline and improve reviews; and much more. Packed with before-and-after examples, illustrations, and checklists, this book addresses crucial topics ranging from internationalization to retrievability to visual effectiveness. Whether you’re a writer, editor, reviewer, or manager, if you want to create outstanding content, you’ll find this collection absolutely indispensable. From expert IBM and IBM Press publication professionals Francis DeRespinis, Peter Hayward, Jana Jenkins, Amy Laird, Leslie McDonald, Eric Radzinski, Laura Bellamy, Michelle Carey, Jenifer Schlotfeldt, Gretchen Hargis, Ann Kilty Hernandez, Polly Hughes, Deirdre Longo, Shannon Rouiller, and Elizabeth Wilde. Important note: Due to the incredibly rich media included in your enhanced eBook, you may experience longer than usual download times. Please be patient while your product is delivered. DAMA-DMBOK. Свод знаний по управлению данными. - Коллектив авторов 2020-11-17

Главная задача книги – определить набор руководящих принципов и описать их применение в функциональных областях управления данными. Издание всесторонне описывает проблемы, возникающие в процессе управления данными, и предлагает способы их решения. В нем подробно описаны широко принятые практики, методы и приемы, функции, роли, результаты и метрики.«DAMA-DMBOK: Свод знаний по управлению данными. Второе издание» предоставляет специалистам по управлению данными, ИТ-специалистам, руководителям, преподавателям и исследователям обширный материал для совершенствования работы с информационными активами и корпоративными данными.

Energi ng Perspectives in Bi g Data Wirehousi ng Tigar, David

2019-06-28

The concept of a big data warehouse appeared in order to store moving data objects and temporal data information. Moving objects are geometries that change their position and shape continuously over time. In order to support spatio-temporal data, a data model and associated query language is needed for supporting moving objects. Emerging Perspectives in Big Data Warehousing is an essential research publication that explores current innovative activities focusing on the integration between data warehousing and data mining with an emphasis on the applicability to real-world problems. Featuring a wide range of topics such as index structures, ontology, and user behavior, this book is ideally designed for IT consultants, researchers, professionals, computer scientists, academicians, and managers.

Business Process Blueprinting - Michael Hewing 2013-10-01

Though customer orientation is recommended in Business Process Management, current modeling methods still have a strong focus on the company's processes. To ensure a long-lasting requirement of a firm's service, one should consider the customer activities in order to offer an added value that effectively addresses his or her needs. Thus, the customers' perspective and their process chains before, during and after the interaction need to be captured in Business Process Management. Michael Hewing takes a design-oriented research approach to show how the integration of well-grounded marketing methods enables the visualization and analysis of the customer's point of view in Business Process Management. By enhancing this method, information on usage processes as well as on the value-in-use can be provided for a comprehensive and process-based customer management.

Прикладные программные продукты для экономистов.

Основы информационного моделирования. Учебное пособие -

Юрий Липунцов 2021-06-17

Управление современной организацией основывается на формализованном представлении всех элементов деятельности как совокупности связанных компонент. Технологичное восприятие становится неотъемлемым элементом корпоративной культуры не

только компаний, в основе которых лежат детерминированные бизнес-процессы, но и всех секторов независимо от вида их деятельности. Такие сервисы, как интернет-магазины, интернет-банкинг, уже изменили восприятие широкого круга пользователей, аналогичные изменения будут происходить и в других сферах деятельности. Современное состояние использования информационных технологий в экономике требует акцентировать внимание на работе с данными, постановке информационного оборота, развитии стандартизации в области наименования данных. С учетом этого в пособии сделан акцент на информационный слой архитектуры как связующий элемент между бизнес-архитектурой и приложениями. Большая часть работы с данными находится в области ответственности специалистов предметной области. Пособие будет полезно студентам и аспирантам экономических специальностей, а также сотрудникам организаций для повышения компетенций в области системного отражения информации и знакомства с отдельными элементами современных информационных технологий.

Dimensional Modeling: In a Business Intelligence Environment
Ballard 2012-07-31

In this IBM Redbooks publication we describe and demonstrate dimensional data modeling techniques and technology, specifically focused on business intelligence and data warehousing. It is to help the reader understand how to design, maintain, and use a dimensional model for data warehousing that can provide the data access and performance required for business intelligence. Business intelligence is comprised of a data warehousing infrastructure, and a query, analysis, and reporting environment. Here we focus on the data warehousing infrastructure. But only a specific element of it, the data model - which we consider the base building block of the data warehouse. Or, more precisely, the topic of data modeling and its impact on the business and business applications. The objective is not to provide a treatise on dimensional modeling techniques, but to focus at a more practical level. There is technical content for designing and maintaining such an environment, but also

business content. For example, we use case studies to demonstrate how dimensional modeling can impact the business intelligence requirements for your business initiatives. In addition, we provide a detailed discussion on the query aspects of BI and data modeling. For example, we discuss query optimization and how you can determine performance of the data model prior to implementation. You need a solid base for your data warehousing infrastructure . . . a solid data model.

Common Information Models for an Open, Analytical, and Agile World
Mandy Chessell 2015

To successfully deliver complex IT projects and derive the full business value they promise, IT professionals need a deep understanding of the information those projects will use and manage. Too often, however IT treats information as the 'poor stepchild' behind applications and infrastructure: a mere afterthought in project design and delivery. In this real-world practitioner's guide, a team of senior IBM architects show how to use information-centric views to dramatically improve project performance. You'll find proven patterns for simplifying and accelerating IT projects, deepening integration, and using information to drive more value from SOA and Business Process Management (BPM). Throughout, the authors explore real-world patterns of Common Information Management (CIM), characteristics and complexities of service oriented integration (SOI), and crucial linkages with BPM. Previously, each of these paradigms has been understood and applied individually. Now, using actual customer examples and case studies, IBM's experts show how to achieve far better results by integrating them.

Managing Data in Motion - April Reeve 2013-02-26

Managing Data in Motion describes techniques that have been developed for significantly reducing the complexity of managing system interfaces and enabling scalable architectures. Author April Reeve brings over two decades of experience to present a vendor-neutral approach to moving data between computing environments and systems. Readers will learn the techniques, technologies, and best practices for managing the passage of data between computer systems and integrating disparate data together in an enterprise environment. The average enterprise's

computing environment is comprised of hundreds to thousands computer systems that have been built, purchased, and acquired over time. The data from these various systems needs to be integrated for reporting and analysis, shared for business transaction processing, and converted from one format to another when old systems are replaced and new systems are acquired. The management of the "data in motion" in organizations is rapidly becoming one of the biggest concerns for business and IT management. Data warehousing and conversion, real-time data integration, and cloud and "big data" applications are just a few of the challenges facing organizations and businesses today. Managing Data in Motion tackles these and other topics in a style easily understood by business and IT managers as well as programmers and architects. Presents a vendor-neutral overview of the different technologies and techniques for moving data between computer systems including the emerging solutions for unstructured as well as structured data types Explains, in non-technical terms, the architecture and components required to perform data integration Describes how to reduce the complexity of managing system interfaces and enable a scalable data architecture that can handle the dimensions of "Big Data"
Data Integration Blueprint and Modeling - Anthony David Giordano 2010-12-27

Making Data Integration Work: How to Systematically Reduce Cost, Improve Quality, and Enhance Effectiveness Today's enterprises are investing massive resources in data integration. Many possess thousands of point-to-point data integration applications that are costly, undocumented, and difficult to maintain. Data integration now accounts for a major part of the expense and risk of typical data warehousing and business intelligence projects--and, as businesses increasingly rely on analytics, the need for a blueprint for data integration is increasing now more than ever. This book presents the solution: a clear, consistent approach to defining, designing, and building data integration components to reduce cost, simplify management, enhance quality, and improve effectiveness. Leading IBM data management expert Tony Giordano brings together best practices for architecture, design, and

methodology, and shows how to do the disciplined work of getting data integration right. Mr. Giordano begins with an overview of the “patterns” of data integration, showing how to build blueprints that smoothly handle both operational and analytic data integration. Next, he walks through the entire project lifecycle, explaining each phase, activity, task, and deliverable through a complete case study. Finally, he shows how to integrate data integration with other information management disciplines, from data governance to metadata. The book’s appendices bring together key principles, detailed models, and a complete data integration glossary. Coverage includes Implementing repeatable, efficient, and well-documented processes for integrating data Lowering costs and improving quality by eliminating unnecessary or duplicative data integrations Managing the high levels of complexity associated with integrating business and technical data Using intuitive graphical design techniques for more effective process and data integration modeling Building end-to-end data integration applications that bring together many complex data sources

Performing Information Governance - Anthony David Giordano 2015
Using case studies and hands-on activities, this book discusses topics in information governance (IG): recognizing hidden development and operational implications of IG--and why it needs to be integrated in the broader organization; integrating IG activities with transactional processing, BI, MDM, and other enterprise information management functions; the information governance organization: defining roles, launching projects, and integrating with ongoing operations; performing IG in transactional projects, including those using agile methods and COTS products; bringing stronger information governance to MDM: strategy, architecture, development, and beyond; governing information throughout the BI or big data project lifecycle; performing ongoing IG and data stewardship operational processes; auditing and enforcing data quality management in the context of enterprise information management; maintaining and evolving metadata management for maximum business value. -- \$c Edited summary from book.

Information Governance - Robert F. Smallwood 2019-11-26

The essential guide to effective IG strategy and practice Information Governance is a highly practical and deeply informative handbook for the implementation of effective Information Governance (IG) procedures and strategies. A critical facet of any mid- to large-sized company, this “super-discipline” has expanded to cover the management and output of information across the entire organization; from email, social media, and cloud computing to electronic records and documents, the IG umbrella now covers nearly every aspect of your business. As more and more everyday business is conducted electronically, the need for robust internal management and compliance grows accordingly. This book offers big-picture guidance on effective IG, with particular emphasis on document and records management best practices. Step-by-step strategy development guidance is backed by expert insight and crucial advice from a leading authority in the field. This new second edition has been updated to align with the latest practices and regulations, providing an up-to-date understanding of critical IG concepts and practices. Explore the many controls and strategies under the IG umbrella Understand why a dedicated IG function is needed in today’s organizations Adopt accepted best practices that manage risk in the use of electronic documents and data Learn how IG and IT technologies are used to control, monitor, and enforce information access and security policy IG strategy must cover legal demands and external regulatory requirements as well as internal governance objectives; integrating such a broad spectrum of demands into workable policy requires a deep understanding of key concepts and technologies, as well as a clear familiarity with the most current iterations of various requirements. Information Governance distills the best of IG into a primer for effective action.

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Advances in Computers - Atif Memon 2012-07-31

Since its first volume in 1960, *Advances in Computers* has presented detailed coverage of innovations in computer hardware, software, theory, design, and applications. It has also provided contributors with a medium in which they can explore their subjects in greater depth and breadth than journal articles usually allow. As a result, many articles have become standard references that continue to be of significant, lasting value in this rapidly expanding field. In-depth surveys and tutorials on

new computer technology Well-known authors and researchers in the field Extensive bibliographies with most chapters Many of the volumes are devoted to single themes or subfields of computer science
Data Modeling for the Business Steve Hoberman 2009-04-01
Did you ever try getting Businesspeople and IT to agree on the project scope for a new application? Or try getting Marketing and Sales to agree on the target audience? Or try bringing new team members up to speed on the hundreds of tables in your data warehouse — without them dozing off? Whether you are a businessperson or an IT professional, you can be the hero in each of these and hundreds of other scenarios by building a High-Level Data Model. The High-Level Data Model is a simplified view of our complex environment. It can be a powerful communication tool of the key concepts within our application development projects, business intelligence and master data management programs, and all enterprise and industry initiatives. Learn about the High-Level Data Model and master the techniques for building one, including a comprehensive ten-step approach and hands-on exercises to help you practice topics on your own. In this book, we review data modeling basics and explain why the core concepts stored in a high-level data model can have significant business impact on an organization. We explain the technical notation used for a data model and walk through some simple examples of building a high-level data model. We also describe how data models relate to other key initiatives you may have heard of or may be implementing in your organization. This book contains best practices for implementing a high-level data model, along with some easy-to-use templates and guidelines for a step-by-step approach. Each step will be illustrated using many examples based on actual projects we have worked on. Names have been changed to protect the innocent, but the pain points and lessons have been preserved. One example spans an entire chapter and will allow you to practice building a high-level data model from beginning to end, and then compare your results to ours. Building a high-level data model following the ten step approach you'll read about is a great way to ensure you will retain the new skills you learn in this book. As is the case in many disciplines, using the right tool

for the right job is critical to the overall success of your high-level data model implementation. To help you in your tool selection process, there are several chapters dedicated to discussing what to look for in a high-level data modeling tool and a framework for choosing a data modeling tool, in general. This book concludes with a real-world case study that shows how an international energy company successfully used a high-level data model to streamline their information management practices and increase communication throughout the organization—between both businesspeople and IT. Data modeling is one of the under-exploited, and potentially very valuable, business capabilities that are often hidden away in an organization’s Information Technology department. Data Modeling for the Business highlights both the resulting damage to business value, and the opportunities to make things better. As an easy-to follow and comprehensive guide on the ‘why’ and ‘how’ of data modeling, it also reminds us that a successful strategy for exploiting IT depends at least as much on the information as the technology. Chris Potts, Corporate IT Strategist and Author of fruITion: Creating the Ultimate Corporate Strategy for Information Technology One of the most critical systems issues is aligning business with IT and fulfilling business needs using data models. The authors of Data Modeling for the Business do a masterful job at simply and clearly describing the art of using data models to communicate with business representatives and meet business needs. The book provides many valuable tools, analogies, and step-by-step methods for effective data modeling and is an important contribution in bridging the much needed connection between data modeling and realizing business requirements. Len Silverston, author of The Data Model Resource Book series

01-01-2019 **Data Modeling for the Business** - Len Silverston
 This book provides a comprehensive guide to data modeling for business. It covers the fundamentals of data modeling, including how to identify business requirements, design data models, and implement them. The book is written in a clear, concise, and easy-to-read style, making it an excellent resource for both beginners and experienced data modelers. The authors provide a wealth of practical examples and case studies to illustrate the concepts discussed in the book. The book is a must-read for anyone involved in data modeling for business.

The Data Model Resource Book, Volume 1 - Len Silverston
 2011-08-08
 A quick and reliable way to build proven databases for core business functions Industry experts raved about The Data Model Resource Book when it was first published in March 1997 because it provided a simple, cost-effective way to design databases for core business functions. Len Silverston has now revised and updated the hugely successful 1st Edition, while adding a companion volume to take care of more specific requirements of different businesses. This updated volume provides a common set of data models for specific core functions shared by most businesses like human resources management, accounting, and project management. These models are standardized and are easily replicated by developers looking for ways to make corporate database development more efficient and cost effective. This guide is the perfect complement to The Data Model Resource CD-ROM, which is sold separately and provides the powerful design templates discussed in the book in a ready-to-use electronic format. A free demonstration CD-ROM is available with each copy of the print book to allow you to try before you buy the full CD-ROM.

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The IT Professional's Merger and Acquisition Handbook - Key Ray
 2012-11

Handbook of Human Systems Integration - Harold R. Booyer
 2003-07-07

A groundbreaking look at how technology with a human touch is revolutionizing government and industry Human Systems Integration (HSI) is very attractive as a new integrating discipline designed to help move business and engineering cultures toward a more people-technology orientation. Over the past decade, the United States and

foreign governments have developed a wide range of tools, techniques, and technologies aimed at integrating human factors into engineering systems in order to achieve important cost and performance benefits that otherwise would not have been accomplished. In order for this new discipline to be effective, however, a cultural change is needed that must start with organizational leadership. Handbook of Human Systems Integration outlines the principles and methods that can be used to help integrate people, technology, and organizations with a common objective toward designing, developing, and operating systems effectively and efficiently. Handbook of Human Systems Integration is broad in scope, covering both public and commercial processes as they interface with systems engineering processes. Emphasizing the importance of management and organization concepts as well as the technical uniqueness of HSI, Handbook of Human Systems Integration features: *

- More than ninety contributors, technical advisors, and reviewers from government, industry, and academia
- * Comprehensive coverage of the most recent HSI developments, particularly in presenting the cutting-edge tools, techniques, and methodologies utilized by each of the HSI domains
- * Chapters representing the governments and industries of the United Kingdom and Canada
- * Contributions from three services of the Department of Defense along with the Federal Aviation Administration and the National Academy of Sciences
- * Many chapters covering both military and nonmilitary applications
- * Concepts widely used by government contractors both in the United States and abroad

This book will be of special interest to HSI practitioners, systems engineers, and managers, as well as government and industry decision-makers who must weigh the recommendations of all multidisciplines contributing to systems performance, safety, and costs in order to make sound systems acquisition decisions.

Business Knowledge Blueprints: Enabling Your Data to Speak the Language of the Business Ronald G. Ross 2019-10-14

About Business Knowledge Blueprints ...Learn the art and science of - Building robust business vocabularies- Disambiguating business communication- Designing data based on languageIf you want to share

and re-use data, the problem is communication, not technology. Concept models are the most important innovation this century. Create the new Knowledge Commons for your business! Bring people together for Knowledge-Age success. This book is for governance, risk and compliance managers, regulators and policy makers, legal staff, knowledge managers, product designers, and training managers - and the analysts, architects, data scientists, and software professionals who support business transformations.

Business Intelligence - David Loshin 2012-11-27

Business Intelligence: The Savvy Managers Guide, Second Edition, discusses the objectives and practices for designing and deploying a business intelligence (BI) program. It looks at the basics of a BI program, from the value of information and the mechanics of planning for success to data model infrastructure, data preparation, data analysis, integration, knowledge discovery, and the actual use of discovered knowledge.

Organized into 21 chapters, this book begins with an overview of the kind of knowledge that can be exposed and exploited through the use of BI. It then proceeds with a discussion of information use in the context of how value is created within an organization, how BI can improve the ways of doing business, and organizational preparedness for exploiting the results of a BI program. It also looks at some of the critical factors to be taken into account in the planning and execution of a successful BI program. In addition, the reader is introduced to considerations for developing the BI roadmap, the platforms for analysis such as data warehouses, and the concepts of business metadata. Other chapters focus on data preparation and data discovery, the business rules approach, and data mining techniques and predictive analytics. Finally, emerging technologies such as text analytics and sentiment analysis are considered. This book will be valuable to data management and BI professionals, including senior and middle-level managers, Chief Information Officers and Chief Data Officers, senior business executives and business staff members, database or software engineers, and business analysts. Guides managers through developing, administering, or simply understanding business intelligence technology Keeps pace

with the changes in best practices, tools, methods and processes used to transform an organization's data into actionable knowledge Contains a handy, quick-reference to technologies and terminology

DAMA-DMBOK - Dama International 2017

Defining a set of guiding principles for data management and describing how these principles can be applied within data management functional areas; Providing a functional framework for the implementation of enterprise data management practices; including widely adopted practices, methods and techniques, functions, roles, deliverables and metrics; Establishing a common vocabulary for data management concepts and serving as the basis for best practices for data management professionals. DAMA-DMBOK2 provides data management and IT professionals, executives, knowledge workers, educators, and researchers with a framework to manage their data and mature their information infrastructure, based on these principles: Data is an asset with unique properties; The value of data can be and should be expressed in economic terms; Managing data means managing the quality of data; It takes metadata to manage data; It takes planning to manage data; Data management is cross-functional and requires a range of skills and expertise; Data management requires an enterprise perspective; Data management must account for a range of perspectives; Data management is data lifecycle management; Different types of data have different lifecycle requirements; Managing data includes managing risks associated with data; Data management requirements must drive information technology decisions; Effective data management requires leadership commitment.

Beginning Relational Data Modeling - Sharon Lee Allen 2006-11-03

*Immediately accessible to anyone who must design a relational data model—regardless of prior experience *Concise, straightforward explanations to a usually complex/ jargon-rich discipline *Examples are based on extensive author experience modeling for real business systems

Data Mapping for Data Warehouse Design - Qamar Shahbaz 2015-12-08

Data mapping in a data warehouse is the process of creating a link

between two distinct data models' (source and target) tables/attributes. Data mapping is required at many stages of DW life-cycle to help save processor overhead; every stage has its own unique requirements and challenges. Therefore, many data warehouse professionals want to learn data mapping in order to move from an ETL (extract, transform, and load data between databases) developer to a data modeler role. Data Mapping for Data Warehouse Design provides basic and advanced knowledge about business intelligence and data warehouse concepts including real life scenarios that apply the standard techniques to projects across various domains. After reading this book, readers will understand the importance of data mapping across the data warehouse life cycle. Covers all stages of data warehousing and the role of data mapping in each Includes a data mapping strategy and techniques that can be applied to many situations Based on the author's years of real-world experience designing solutions

Common Information Models for an Open, Analytical, and Agile World - Mandy Chessell 2015-04-08

Maximize the Value of Your Information Throughout Even the Most Complex IT Project Foreword by Tim Vincent, IBM Fellow and Vice President, CTO for IBM Analytics Group To drive maximum value from complex IT projects, IT professionals need a deep understanding of the information their projects will use. Too often, however, IT treats information as an afterthought: the "poor stepchild" behind applications and infrastructure. That needs to change. This book will help you change it. Five senior IBM architects show you how to use information-centric views to give data a central role in project design and delivery. Using Common Information Models (CIM), you learn how to standardize the way you represent information, making it easier to design, deploy, and evolve even the most complex systems. Using a complete case study, the authors explain what CIMs are, how to build them, and how to maintain them. You learn how to clarify the structure, meaning, and intent of any information you may exchange, and then use your CIM to improve integration, collaboration, and agility. In today's mobile, cloud, and analytics environments, your information is more valuable than ever. To

build systems that make the most of it, start right here. Coverage Includes • Mastering best practices for building and maintaining a CIM • Understanding CIM components and artifacts: scope, perspectives, and depth of detail • Choosing the right patterns for structuring your CIM • Integrating a CIM into broader governance • Using tools to manage your CIM more effectively • Recognizing the importance of non-functional characteristics, such as availability, performance, and security, in system design • Growing CIM value by expanding their scope and usage • Previewing the future of CIMs

Principles of Data Integration - AnHai Doan 2012-06-25

How do you approach answering queries when your data is stored in multiple databases that were designed independently by different people? This is first comprehensive book on data integration and is written by three of the most respected experts in the field. This book provides an extensive introduction to the theory and concepts underlying today's data integration techniques, with detailed, instruction for their application using concrete examples throughout to explain the concepts. Data integration is the problem of answering queries that span multiple data sources (e.g., databases, web pages). Data integration problems surface in multiple contexts, including enterprise information integration, query processing on the Web, coordination between government agencies and collaboration between scientists. In some cases, data integration is the key bottleneck to making progress in a field. The authors provide a working knowledge of data integration concepts and techniques, giving you the tools you need to develop a complete and concise package of algorithms and applications. Offers a range of data integration solutions enabling you to focus on what is most relevant to the problem at hand Enables you to build your own algorithms and implement your own data integration applications

Mobile Strategy Dirk Nicol 2013-04-24

Navigate the Mobile Landscape with Confidence and Create a Mobile Strategy That Wins in the Market Place Mobile Strategy gives IT leaders the ability to transform their business by offering all the guidance they need to navigate this complex landscape, leverage its opportunities, and

protect their investments along the way. IBM's Dirk Nicol clearly explains key trends and issues across the entire mobile project lifecycle. He offers insights critical to evaluating mobile technologies, supporting BYOD, and integrating mobile, cloud, social, and big data. Throughout, you'll find proven best practices based on real-world case studies from his extensive experience with IBM's enterprise customers. Coverage includes • Understanding the profound implications and challenges of consumerized IT in the mobile space • Uncovering powerful new opportunities to drive value from mobile technology • Transforming "systems of record" to "systems of engagement" that fully reflect context and intelligence • Identifying proven patterns for delivering common mobile capabilities in operations, commerce, collaboration, and marketing • Managing security threats related to lost/stolen devices, insecure Wi-Fi, and built-in cameras • Choosing mobile data protection, security, and management options: wrappers, containers, virtualization, mobile Software Development Kits (SDKs), virtual private networks (VPNs), Mobile Device Management (MDM), Mobile Application Management (MAM), and anti-malware • Handling the "app store" distribution model and managing updates • Using mobile middleware to support multiple platforms and back-end connectivity with less complexity • Building and integrating high-quality mobile apps—and getting useful customer feedback to improve them • Addressing international considerations and emerging markets • Mastering methodologies for successfully and rapidly executing mobile projects • Converging mobile, cloud, social, and big data into a single high-value IT delivery platform

Data Governance and Data Management - Rupa Mahanti 2021-09-08

This book delves into the concept of data as a critical enterprise asset needed for informed decision making, compliance, regulatory reporting and insights into trends, behaviors, performance and patterns. With good data being key to staying ahead in a competitive market, enterprises capture and store exponential volumes of data. Considering the business impact of data, there needs to be adequate management around it to derive the best value. Data governance is one of the core data

... (OTR-ICT) ... (Weidong, et al., 2010, 2) ... (Trninic, et al., 2011, 36) ... (Roa & Kumar, 2011, 9). ... (Cheng & Cheng, 2011, 308). ...

... (Liebowitz, 2006, 13). ... (Albescu et al., 2008, 10) ...

Beyond Big Data - Martin Oberhofer 2014-10-17

Drive Powerful Business Value by Extending MDM to Social, Mobile, Local, and Transactional Data Enterprises have long relied on Master Data Management (MDM) to improve customer-related processes. But MDM was designed primarily for structured data. Today, crucial information is increasingly captured in unstructured, transactional, and social formats: from tweets and Facebook posts to call center transcripts. Even with tools like Hadoop, extracting usable insight is difficult—often, because it’s so difficult to integrate new and legacy data sources. In

Beyond Big Data, five of IBM's leading data management experts introduce powerful new ways to integrate social, mobile, location, and traditional data. Drawing on pioneering experience with IBM's enterprise customers, they show how Social MDM can help you deepen relationships, improve prospect targeting, and fully engage customers through mobile channels. Business leaders and practitioners will discover powerful new ways to combine social and master data to improve performance and uncover new opportunities. Architects and other technical leaders will find a complete reference architecture, in-depth coverage of relevant technologies and use cases, and domain-specific best practices for their own projects. Coverage Includes How Social MDM extends fundamental MDM concepts and techniques Architecting Social MDM: components, functions, layers, and interactions Identifying high value relationships: person to product and person to organization Mapping Social MDM architecture to specific products and technologies Using Social MDM to create more compelling customer experiences Accelerating your transition to highly-targeted, contextual marketing Incorporating mobile data to improve employee productivity Avoiding privacy and ethical pitfalls throughout your

ecosystem Previewing Semantic MDM and other emerging trends

Use Cases - Gunnar Övergaard 2005

System architects and designers can use this title to quickly produce more efficient use case models by applying a catalog of use case patterns. Based on the authors' experience, the book describes the practical use, application, and solutions to common problems of creating use cases.

Design Science Research in Information Systems: Advances in Theory and Practice - Ken Peffers 2012-05-08

This book constitutes the refereed proceedings of the 7th International Conference on Design Science Research in Information Systems and Technology, DERIST 2012, held in Las Vegas, NV, USA, in May 2012. The 24 revised full papers presented together with 7 revised short papers were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on DSRIS in practice, DSRIS methodologies and techniques, social and environmental aspects of DSRIS, theory and theory building in DSRIS, and evaluation of DSRIS projects.