

Data Management Body Of Knowledge

Are you struggling to understand the data you need to support your business activities? Are you frustrated over data that don't answer your questions or provide the wrong answers to your questions? Are you worried that your organization is not adequately supporting its citizens or customers? Are you concerned over civil or criminal liability for the quality and use of your data? If the answer to any of these questions is Yes, then you need to read *Data Resource Understanding* to help you and everyone in your organization thoroughly understand the data they need to support the business activities. Most public and private sector organizations have no formal method for thoroughly understanding the data needed to support their business activities. They seldom have a method that begins with the organization's perception of the business world and continues through a formal Data Resource Development Cycle to produce a high quality, thoroughly understood data resource that fully supports the organization's current and future business information demand. *Data Resource Data* provided the complete detailed data resource model for understanding and managing data as a critical resource of the organization. *Data Resource Understanding* is the companion book to *Data Resource Data*. It provides a detailed explanation of how to thoroughly understand an organization's data resource and to document that understanding with *Data Resource Data*. Together they provide an organization with the foundation for properly managing their data as a critical resource. Like *Data Resource Simplicity*, *Data Resource Integration*, *Data Resource Design*, and *Data Resource Data*, Michael Brackett draws on over half a century of data management experience, in a wide variety of different public and private sector organizations, to understand and document an organization's data resource. He leverages theories, concepts, principles, and techniques from many different and varied disciplines, such as human dynamics, mathematics, physics, chemistry, philosophy, and biology, and applies them to the process of formally documenting an organization's data resource.

Data models are the main medium used to communicate data requirements from business to IT, and within IT from analysts, modelers, and architects, to database designers and developers. Therefore it's essential to get the data model right. But how do you determine right? That's where the Data Model Scorecard® comes in. The Data Model Scorecard is a data model quality scoring tool containing ten categories aimed at improving the quality of your organization's data models. Many of my consulting assignments are dedicated to applying the Data Model Scorecard to my client's data models – I will show you how to apply the Scorecard in this book. This book, written for people who build, use, or review data models, contains the Data Model Scorecard template and an explanation along with many examples of each of the ten Scorecard categories. There are three sections: In Section I, *Data Modeling and the Need for Validation*, receive a short data modeling primer in Chapter 1, understand why it is important to get the data model right in Chapter 2, and learn about the Data Model Scorecard in Chapter 3. In Section II, *Data Model Scorecard Categories*, we will explain each of the ten categories of the Data Model Scorecard. There are ten chapters in this section, each chapter dedicated to a specific Scorecard category: · Chapter 4: Correctness · Chapter 5: Completeness · Chapter 6: Scheme · Chapter 7: Structure · Chapter 8: Abstraction · Chapter 9: Standards · Chapter 10: Readability · Chapter 11: Definitions · Chapter 12: Consistency · Chapter 13: Data In Section III, *Validating Data Models*, we will prepare for the model review (Chapter 14), cover tips to help during the model review (Chapter 15), and then review a data model based upon an actual project (Chapter 16).

Il Data Management Body of Knowledge (DAMA-DMBOK2) presenta una vista complessiva delle sfide, complessità e valore di un'efficace gestione dei dati. Le organizzazioni odierne riconoscono che la gestione dei dati è fondamentale per il loro successo. Riconoscono il valore dei loro dati e cercano di sfruttare tale valore. Con l'aumento della nostra capacità di creare e sfruttare i dati, aumenta anche la necessità di pratiche affidabili di gestione dei dati. La seconda edizione della Guida di DAMA International al Data Management Body of Knowledge (DAMA-DMBOK2) aggiorna e accresce il DMBOK1, che ha avuto grande successo. Libro di riferimento accessibile e autorevole scritto da pensatori leader del settore e ampiamente recensito dai membri DAMA, il DMBOK2 riunisce materiali che descrivono in modo esaustivo le sfide del data management e come affrontarle: Definendo una serie di principi guida per il data management e descrivendo come questi principi possono essere applicati all'interno delle aree funzionali del data management. Fornendo un framework funzionale per l'implementazione dell'enterprise data management, includendo pratiche ampiamente adottate, metodi e tecniche, funzioni, ruoli deliverable e metriche. Stabilendo un vocabolario comune per i concetti del data management e fornendo il fondamento delle best practice per i data management professional.

This is the definitive introduction to the field of data management. Use this guide to build consensus, introduce standard definitions, and identify guiding principles for data management gement functions, roles, and deliverables. DAMA-DMBOK references the DAMA Dictionary of Data Management. Under the umbrella and support of the non-profit association DAMA International, the DAMA International Foundation is a 501 c (6) not-for-profit entity, whose mission is to foster the advancement of the data management profession and community through education and research. By purchasing this indispensable piece of knowledge you will continue to support the data management community. Today's customers want it all and they want it now: innovation, speed, agility, and value. How can you drive operational excellence, stimulate growth, and accelerate idea-to-value innovation throughout your enterprise? Shingo Prize-winning author Steve Bell, joined by other thought leaders, offers useful insights and examples you can start using now. Run Grow Transform takes the next logical step to driving enterprise value. This could be the game-changing playbook for IT 3.0. -Mark Katz, CIO & Senior Vice President, Esselte Corporation A powerful read detailing how companies can leverage their Lean IT transformation to supercharge the business. -Tom Paider, IT Build Capability Leader,

Nationwide The consistent application of the practices described in this book has enabled Embraer to reap huge gains. I recommend this book as a desktop companion. -Alexandre Baule, Vice President Information Systems, Embraer Run Grow Transform takes the reader a leap forward, ready for immediate application to bridge Lean and innovation. -Melissa Barrett, Enterprise Architecture & IT Strategy, Premera Blue Cross This book focuses on the most critical and challenging issue for any aspect of the development or use of IT: creating a collaborative learning culture. -Jeffrey K. Liker, Shingo Prize-Winning Author of The Toyota Way Run Grow Transform sets out the principles and practices necessary for success in the new economy. -Jez Humble, author of Continuous Delivery Steve Bell has hit another home run with this book. Either your organization will adopt the wisdom contained in this book and thrive, or your competitors will do so and put you out of business. -Scott Ambler, author Disciplined Agile Delivery and 19 other books It's rare to see truly new insight added to the Lean discussion. Steve Bell does just that by continuing to push the frontiers of Lean thinking. -Alexander Brown, COO, Scrum Inc. A powerful read detailing how companies can leverage their Lean IT transformation to supercharge the business. -Tom Paider, IT Build Capability Leader, Nationwide Steve Bell has mapped a new trajectory. I challenge any CIO to read Bell's breakthrough work and not be compelled to start this journey to become a transformative leader in the creation of real and sustainable value. -Jeffrey Barnes, Society for Information Management (SIM), Regional Director, Advanced Practices Council All too often the IT organization is viewed as an impediment to lean transformation, when it truly can be a catalyst. Steve's book sorts out all the noise, the jargon, and the "hero culture", guiding the reader to what is so obvious, yet so hard to see: build your culture around your customer! -Josh Rapoza, Director of Web Strategy and Operations, Lean Enterprise Institute Aligning Lean and IT is a great challenge with a big payoff. This book really shows how Lean and IT can create a strong enterprise; it's a great inspiration. -Klaus Lyck Petersen, Solar A/S A must read for any organization that is pursuing continuous improvement. In today's world, real business improvement cannot be achieved without the IT factor; this book will help any organization achieve the improvement that they are seeking. -Barry J. Brunetto, Vice President, Information Systems, Blount International Precise, concise, and entertaining, this book provides the reader with crucial tips on how IT can help enterprises survive and thrive in a fast-paced technological and economic environment. This is mandatory reading not only for businesses and IT organizations, but also for universities and policy makers. -Fuat Alican, PhD, Vice President, Central American Scientific Research and Education Center Not just for Lean Practitioners, Run Grow Transform is a must-have reference for any IT organization, regardless of size, age or industry, looking to move to the next level of performance. -Sarah Topham, Lean Deployment Leader, Information Technology & Product Management, Paychex, Inc. This is a long overdue book that addresses the key challenges for today's IT organization and puts Lean IT into a context that is too often lacking. -James Finister, Tata Consultancy Services The 'business as usual' scenario is not an option in today's economy and global challenges. A transformation in methods, tools and frameworks is needed to guide our business decisions. This book is your first step! -Khuloud Odeh, IT Director, Grameen Foundation Delivering beyond the helpful folk wisdom and narrow techniques and technologies found elsewhere, Steve Bell and his contributors provide practical full value stream lifecycle methods for continuous improvement using Lean in an IT and customer (business) setting. -Martin Erb, Director of Professional Services, Pink Elephant Run Grow Transform clarifies the eternal quest of IT: to simply "running" of the business and to create innovative solutions to grow the business and create sustainable competitive advantage to transform the way customers interact with your business, in plain, actionable advice from one who has been on the front lines. -Tom Foco, Value Stream Solution

A glossary of over 2,000 terms which provides a common data management vocabulary for IT and Business professionals, and is a companion to the DAMA Data Management Body of Knowledge (DAMA-DMBOK). This glossary is a physical book – it also comes in electronic format as a CD-ROM (see ISBN 9781935504115). Topics include: • Analytics & Data Mining • Architecture • Artificial Intelligence • Business Analysis • DAMA & Professional Development • Databases & Database Design • Database Administration • Data Governance & Stewardship • Data Management • Data Modeling • Data Movement & Integration • Data Quality Management • Data Security Management • Data Warehousing & Business Intelligence • Document, Record & Content Management • Finance & Accounting • Geospatial Data • Knowledge Management • Marketing & Customer Relationship Management • Meta Data Management • Multi-dimensional & OLAP • Normalization • Object-Orientation • Parallel Database Processing • Planning • Process Management • Project Management • Reference & Master Data Management • Semantic Modeling • Software Development • Standards Organizations • Structured Query Language (SQL) • XML Development

Written by over 120 data management practitioners, the DAMA Guide to the Data Management Body of Knowledge (DAMA-DMBOK) is the most impressive compilation of data management principals and best practices, ever assembled. It provides data management and IT professionals, executives, knowledge workers, educators, and researchers with a framework to manage their data and mature their information infrastructure. The equivalent of the PMBOK or the BABOK, the DAMA-DMBOK provides information on: Data Governance Data Architecture Management Data Development Database Operations Management Data Security Management Reference

If you are leading an organization or if you need to communicate with leaders about data management, Navigating the Labyrinth is your guide. Organizations that want to get value from their data need to manage that data well. But to most executives, data management seems obscure, complicated, and highly technical. They don't have time to learn all the detail or cut through the hype. Navigating the Labyrinth helps them get there. Based on best practices from DAMA's Data Management Body of Knowledge (DMBOK2), it explains the fundamentals and says why they are important. It focuses their attention on what they need to know to help their organizations build trust in and get value out of their data. About DAMA: DAMA International is a not-for-profit, vendor-independent association of technical and business professionals dedicated to advancing concepts and practices

related to managing data and information in support of business strategy. With chapters throughout the world, DAMA International supports an empowered global community of information professionals by focusing on our five pillars: Membership; Certification and Education; Publications and Research; Chapters and Partnerships. DAMA International encourages best practice behavior through a network of connected individuals and organizations who share ideas, trends, problems, and solutions and who look to DAMA as the trusted, collaborative central resource for all things data. Visit dama.org to learn more.

This book contains practical steps business users can take to implement data management in a number of ways, including data governance, data architecture, master data management, business intelligence, and others. It defines data strategy, and covers chapters that illustrate how to align a data strategy with the business strategy, a discussion on valuing data as an asset, the evolution of data management, and who should oversee a data strategy. This provides the user with a good understanding of what a data strategy is and its limits. Critical to a data strategy is the incorporation of one or more data management domains. Chapters on key data management domains—data governance, data architecture, master data management and analytics, offer the user a practical approach to data management execution within a data strategy. The intent is to enable the user to identify how execution on one or more data management domains can help solve business issues. This book is intended for business users who work with data, who need to manage one or more aspects of the organization's data, and who want to foster an integrated approach for how enterprise data is managed. This book is also an excellent reference for students studying computer science and business management or simply for someone who has been tasked with starting or improving existing data management.

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

"This work is a comprehensive, four-volume reference addressing major issues, trends, and areas for advancement in information management research, containing chapters investigating human factors in IT management, as well as IT governance, outsourcing, and diffusion"--Provided by publisher.

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.

Written by over 120 data management practitioners, this is the most impressive compilation of data management principals and best practices, ever assembled. It provides data management and IT professionals, executives, knowledge workers, educators, and researchers with a framework to manage their data and mature their information infrastructure. The equivalent of the PMBOK or the BABOK, the DAMA-DMBOK provides information on: Data Governance; Data Architecture Management; Data Development; Database Operations Management; Data Security Management; Reference & Master Data Management; Data Warehousing & Business Intelligence Management; Document & Content Management; Meta Data Management; Data Quality Management; Professional Development. As an authoritative introduction to data management, the goals of the DAMA-DMBOK Guide are: To build consensus for a generally applicable view of data management functions; To provide standard definitions for commonly used data management functions, deliverables, roles, and other terminology; To document guiding principles for data management; To present a vendor-neutral overview to commonly accepted good practices, widely adopted methods and techniques, and significant alternative approaches; To clarify the scope and boundaries of data management; To act as a reference which guides readers to additional resources for further understanding.

This edited book first consolidates the results of the EU-funded EDISON project (Education for Data Intensive Science to Open New science frontiers), which developed training material and information to assist educators, trainers, employers, and research infrastructure managers in identifying, recruiting and inspiring the data science professionals of the future. It then deepens the presentation of the information and knowledge gained to allow for easier assimilation by the reader. The contributed chapters are presented in sequence, each chapter picking up from the end point of the previous one. After the initial book and project overview, the chapters present the relevant data science competencies and body of knowledge, the model curriculum required to teach the required foundations, profiles of professionals in this domain, and use cases and applications. The text is supported with appendices on related process models. The book can be used to develop new courses in data science, evaluate existing modules and courses, draft job descriptions, and plan and design efficient data-intensive research teams across scientific disciplines.

The world is witnessing the growth of a global movement facilitated by technology and social media. Fueled by information, this movement contains enormous potential to create more accountable, efficient, responsive, and effective governments and businesses, as well as spurring economic growth. Big Data Governance and Perspectives in Knowledge Management is a collection of innovative research on the methods and applications of applying robust processes around data, and aligning organizations and skillsets around those processes. Highlighting a range of topics including data analytics, prediction analysis, and software development, this book is ideally designed for academicians, researchers, information science professionals, software developers, computer engineers, graduate-level computer science students, policymakers, and managers seeking current research on the convergence of big data and information governance as two major trends in information management.

November 2019. The 34 papers promote and disseminate research on theories of concepts underlying conceptual modeling, methods and tools for developing and communicating conceptual models, techniques for transforming conceptual models into effective implementations, and the impact of conceptual modeling techniques on databases, business strategies and information systems. The following workshops are included in this volume: Workshop on Conceptual Modeling, Ontologies and Metadata Management for FAIR Data (FAIR), 6th Workshop on Conceptual Modeling in Requirements Engineering and Business Analysis (MREBA), 2nd International Workshop on Empirical Methods in Conceptual Modeling (EmpER), 8th International Workshop on Modeling and Management of Big Data (MoBiD19), and 7th International Workshop on Ontologies and Conceptual Modelling (OntoCom).

??PMBOK??(5?)????,??PMBOK??(5?)????,??47????????????????????????????????,?????.????????????????,??????,??????,??????.

DAMA-DMBOK Data Management Body of Knowledge

As data management and integration continue to evolve rapidly, storing all your data in one place, such as a data warehouse, is no longer scalable. In the very near future, data will need to be distributed and available for several technological solutions. With this practical book, you'll learn how to migrate your enterprise from a complex and tightly coupled data landscape to a more flexible architecture ready for the modern world of data consumption. Executives, data architects, analytics teams, and compliance and governance staff will learn how to build a modern scalable data landscape using the Scaled Architecture, which you can introduce incrementally without a large upfront investment. Author Piethein Strengtholt provides blueprints, principles, observations, best practices, and patterns to get you up to speed. Examine data management trends, including technological developments, regulatory requirements, and privacy concerns Go deep into the Scaled Architecture and learn how the pieces fit together Explore data governance and data security, master data management, self-service data marketplaces, and the importance of metadata

Introductory, theory-practice balanced text teaching the fundamentals of databases to advanced undergraduates or graduate students in information systems or computer science.

What's the Return on Investment (ROI) on data management? Sound like an impossible question to answer? Not if you read this book and learn the value-added approach to managing enterprise resources and assets. This book defines the five interrelated best practices that comprise data management, and shows you how by example to successfully communicate data management ROI to senior management. The 17 cases we share will help you to identify opportunities to introduce data management into the strategic conversations that occur in the C-suite. You will gain a new perspective regarding the stewardship of your data assets and insulate your operations from the chaos, losses and risks that result from traditional approaches to technological projects. And you will learn how to protect yourself from legal challenges resulting from outsourced information technology projects gone badly due to incorrect project sequencing and focus. With the emerging acceptance and adoption of revised performance standards, your organization will be better prepared to face the coming big data deluge! The book contains four chapters: • Chapter 1 gives a somewhat unique perspective to the practice of leveraging data. We describe the motivations and delineate the specific challenges preventing most organizations from making substantial progress in this area. • Chapter 2 presents 11 cases where leveraging data has produced positive financial results that can be presented in language of immediate interest to C-level executives. To the degree possible, we have quantified the effect that data management has had in terms that will be meaningful to them also. • Chapter 3 describes five instances taken from the authors' experiences with various governmental defense departments. The lessons in this section however can be equally applied to many non-profit and non-defense governmental organizations. • Chapter 4 speaks specifically to the interaction of data management practices, in terms of both information technology projects and legal responsibilities.

Reading it can help your organization avoid a number of perils, stay out of court and better vet contractors, experts and other helpers who play a role in organization information technology development. From John Bottega Foreword: Data is the new currency. Yes, an expression that is being used quite a bit of late, but it is very relevant in discussing the importance of data and the methodologies by which we manage it. And like any currency, how we manage it determines its true value. Like any currency, it can be managed wisely, or it can be managed foolishly. It can be put to good use, or it can be squandered away. The question is – what factors determine the path that we take? How do we properly manage this asset and realize its full value and potential? In Monetizing Data Management, Peter and Juanita explore the question of how to understand and place tangible value on data and data management. They explore this question through a series of examples and real-world use cases to exemplify how the true value of data can be realized. They show how bringing together business and technology, and applying a data-centric forensic approach can turn massive amounts of data into the tools needed to improve business processes, reduce costs, and better serve the customer. Data monetization is not about turning data into money. Instead, it's about taking information and turning it into opportunity. It's about the need to understand the real meaning of data in order to extract value from it. And it's about achieving this objective through a partnership with business and technology. In Monetizing Data Management, the authors demonstrate how true value can be realized from our data through improved data centric approaches.

A framework for formalizing risk management thinking intoday's complex business environment Security Risk Management Body of Knowledge details thesecurity risk management process in a format that can easily beapplied by executive managers and security risk managementpractitioners. Integrating knowledge, competencies, methodologies,and applications, it demonstrates how to document and incorporatebest-practice concepts from a range of complementarydisciplines. Developed to align with

International Standards for Risk Management such as ISO 31000 it enables professionals to apply security risk management (SRM) principles to specific areas of practice. Guidelines are provided for: Access Management; Business Continuity and Resilience; Command, Control, and Communications; Consequence Management and Business Continuity Management; Counter-Terrorism; Crime Prevention through Environmental Design; Crisis Management; Environmental Security; Events and Mass Gatherings; Executive Protection; Explosives and Bomb Threats; Home-Based Work; Human Rights and Security; Implementing Security Risk Management; Intellectual Property Protection; Intelligence Approach to SRM; Investigations and Root Cause Analysis; Maritime Security and Piracy; Mass Transport Security; Organizational Structure; Pandemics; Personal Protective Practices; Psychology of Security; Red Teaming and Scenario Modeling; Resilience and Critical Infrastructure Protection; Asset-, Function-, Project-, and Enterprise-Based Security Risk Assessment; Security Specifications and Postures; Security Training; Supply Chain Security; Transnational Security; and Travel Security. Security Risk Management Body of Knowledge is supported by a series of training courses, DVD seminars, tools, and templates. This is an indispensable resource for risk and security professional, students, executive management, and line managers with security responsibilities.

The overall objective of this book is to show that data management is an exciting and valuable capability that is worth time and effort. More specifically it aims to achieve the following goals: 1. To give a “gentle” introduction to the field of DM by explaining and illustrating its core concepts, based on a mix of theory, practical frameworks such as TOGAF, ArchiMate, and DMBOK, as well as results from real-world assignments. 2. To offer guidance on how to build an effective DM capability in an organization. This is illustrated by various use cases, linked to the previously mentioned theoretical exploration as well as the stories of practitioners in the field. The primary target groups are: busy professionals who “are actively involved with managing data”. The book is also aimed at (Bachelor’s/ Master’s) students with an interest in data management. The book is industry-agnostic and should be applicable in different industries such as government, finance, telecommunications etc. Typical roles for which this book is intended: data governance office/ council, data owners, data stewards, people involved with data governance (data governance board), enterprise architects, data architects, process managers, business analysts and IT analysts. The book is divided into three main parts: theory, practice, and closing remarks. Furthermore, the chapters are as short and to the point as possible and also make a clear distinction between the main text and the examples. If the reader is already familiar with the topic of a chapter, he/she can easily skip it and move on to the next.

Text in Spanish.

"It's our thesis that privacy will be an integral part of the next wave in the technology revolution and that innovators who are emphasizing privacy as an integral part of the product life cycle are on the right track." --The authors of The Privacy Engineer's Manifesto The Privacy Engineer's Manifesto: Getting from Policy to Code to QA to Value is the first book of its kind, offering industry-proven solutions that go beyond mere theory and adding lucid perspectives on the challenges and opportunities raised with the emerging "personal" information economy. The authors, a uniquely skilled team of longtime industry experts, detail how you can build privacy into products, processes, applications, and systems. The book offers insight on translating the guiding light of OECD Privacy Guidelines, the Fair Information Practice Principles (FIPPs), Generally Accepted Privacy Principles (GAPP) and Privacy by Design (PbD) into concrete concepts that organizations, software/hardware engineers, and system administrators/owners can understand and apply throughout the product or process life cycle—regardless of development methodology—from inception to retirement, including data deletion and destruction. In addition to providing practical methods to applying privacy engineering methodologies, the authors detail how to prepare and organize an enterprise or organization to support and manage products, process, systems, and applications that require personal information. The authors also address how to think about and assign value to the personal information assets being protected. Finally, the team of experts offers thoughts about the information revolution that has only just begun, and how we can live in a world of sensors and trillions of data points without losing our ethics or value(s)...and even have a little fun. The Privacy Engineer's Manifesto is designed to serve multiple stakeholders: Anyone who is involved in designing, developing, deploying and reviewing products, processes, applications, and systems that process personal information, including software/hardware engineers, technical program and product managers, support and sales engineers, system integrators, IT professionals, lawyers, and information privacy and security professionals. This book is a must-read for all practitioners in the personal information economy. Privacy will be an integral part of the next wave in the technology revolution; innovators who emphasize privacy as an integral part of the product life cycle are on the right track. Foreword by Dr. Eric Bonabeau, PhD, Chairman, Icosystem, Inc. & Dean of Computational Sciences, Minerva Schools at KGI.

Written by over 120 data management practitioners, the DAMA Guide to the Data Management Body of Knowledge (DAMA-DMBOK) is the most impressive compilation of data management principals and best practices, ever assembled. It provides data management and IT professionals, executives, knowledge workers, educators, and researchers with a framework to manage their data and mature their information infrastructure. The equivalent of the PMBOK or the BABOK, the DAMA-DMBOK provides information on:

- Data Governance
- Data Architecture Management
- Data Development
- Database Operations Management
- Data Security Management
- Reference & Master Data Management
- Data Warehousing & Business Intelligence Management
- Document & Content Management
- Meta Data Management
- Data Quality Management
- Professional Development

As an authoritative introduction to data management, the goals of the DAMA-DMBOK Guide are:

- To build consensus for a generally applicable view of data management functions.
- To provide standard definitions for commonly used data management functions, deliverables, roles, and other terminology.
- To document guiding

principles for data management. • To present a vendor-neutral overview to commonly accepted good practices, widely adopted methods and techniques, and significant alternative approaches. • To clarify the scope and boundaries of data management. • To act as a reference which guides readers to additional resources for further understanding. The Editors are Mark Mosley, Editor - Development, Michael Brackett, Editor - Production, Susan Early, Assistant Editor, and Deborah Henderson, Project Sponsor. The Foreword is by John Zachman (DAMA I Lifetime Achievement Award recipient), the Preface is by John Schley (DAMA International President) and Deborah Henderson (DAMA Foundation President, DAMA International VP Education and Research), and the Afterword is by Michael Brackett (DAMA International Lifetime Achievement Award recipient). From the Foreword by John Zachman: The book is an exhaustive compilation of every possible subject and issue that warrants consideration in initiating and operating a Data Management responsibility in a modern Enterprise. It is impressive in its comprehensiveness. It not only identifies the goals and objectives of every Data Management issue and responsibility but it also suggests the natural organizational participants and end results that should be expected. The publication began as a non-trivial, sorely needed compilation of articles and substantive facts about the little understood subject of data management orchestrated by some folks from the DAMA Chicago Chapter. It was unique at the time as there was little substantive reference material on the subject. It has grown to become this pragmatic practitioner's handbook that deserves a place on every Data Management professional's bookshelf. There is a wealth of information for the novice data beginner, but it is also invaluable to the old timer as a check-list and validation of their understanding and responsibilities to ensure that nothing "falls through the cracks"! It is impressive in its breadth and completeness. The DAMA-DMBOK Guide deserves a place on every Data Management professional's bookshelf and for the General Manager, it will serve as a guide for setting expectations and assigning responsibilities for managing and practicing what has become the very most critical resource owned by an Enterprise as it (the Enterprise) progresses into the Information Age: DATA!

"The DMBOK2 articulates a set of 13 principles for data management. These recognize data's unique properties, its value, and the work involved in ensuring its quality. The principles apply to data management generally, but they also inform the work of each data management knowledge area. This presentation will explore the thinking behind the principles and will focus on their application to the data modeling process. The session will be interactive, with participants invited to share their insights about the ways in which a comprehensive vision of data management can support the work of individual practitioners."--Resource description page.

This book examines the relevant roles, skills and knowledge needed to build the institutional research capacity across the higher education sector globally. The information contained herein will inform IR practitioners, senior level institution officials, and higher education scholars. With a focus on building the capacity of the IR profession, this book's primary audiences include senior leaders who wish to introduce or strengthen their understanding for effective decision support and staff members who are currently in decision support units and those who wish to serve in this capacity. However, this book also offers detail on the decision support function to higher education scholars who seek to better address how data can inform policy and planning in higher education. Through a broad discussion about the roles and skills of the practitioners, this book will also enumerate the ways in which decision support practitioners can be valued contributors in shaping the future decisions and direction of specific institutions and higher education broadly.

Como uma introdução oficial para o gerenciamento de dados, os objetivos do guia DMBOK® são: Construir um consenso para uma aplicação, geralmente visível das funções do gerenciamento de dados; Fornecer definições padrões para os usos comuns das funções do gerenciamento de dados, entregas, papéis e outras terminologias; Documentar os princípios voltados para o gerenciamento de dados; Apresentar uma visão geral neutra em relação a vendedores de soluções e produtos visando praticar boas práticas comuns, métodos e técnicas sabiamente adotados, e abordar alternativas significativas; Esclarecer o escopo e os limites do gerenciamento de dados; Agir como uma referência que guia os leitores para recursos adicionais e para maiores entendimentos. Os editores são Mark Mosley, Editor de desenvolvimento, Michael Brackett, Editor de produção, Susan Early, Editor assistente, e Deborah Henderson (Presidente da fundação DAMA, e vice-presidente da Pesquisa e Educação da DAMA Internacional), e o pós-fácio por Michael Brackett. Prefácio por John Zachman: A publicação começou como não trivial, e necessária compilação de artigos e fatos de assuntos pouco entendidos do gerenciamento de dados orquestrados por algumas pessoas do capítulo da DAMA de Chicago. Como havia pouco material de referência de fundo sobre o assunto, foi o único na época. Cresceu para se tornar um manual pragmático dos praticantes e que certamente merece um lugar em toda prateleira dos profissionais que de alguma maneira estão envolvidos com o gerenciamento de dados. SOBRE O AUTOR: A DAMA Internacional é uma associação sem fins lucrativos, independente de vendedores de soluções e produtos, composta por profissionais técnicos e de negócios que se dedicam ao avanço dos conceitos e práticas para o recurso de gerenciamento de dados e a informação das organizações. O principal propósito da DAMA Internacional é promover o entendimento, o desenvolvimento, e a prática de gerenciamento de dados e informações a fim de apoiar estratégias de negócios. A DAMA Internacional tem capítulos em todo o mundo. Os membros da rede DAMA e outros profissionais compartilham ideias, tendências, problemas, e soluções. Acesse o site dama.org para maiores informações.

Escrito por más de 120 profesionistas en la gestión de datos, la guía DAMA de los fundamentos para la gestión de datos (DAMA-DMBOK) es la recopilación más impresionante jamás realizada de principios y mejores prácticas en la gestión de datos. Este libro proporciona a profesionales de IT, ejecutivos, trabajadores del conocimiento, educadores e investigadores de gestión de datos un método de manejo de datos para desarrollar su arquitectura de información. En comparación con los libros PMBOK o el BABOK, el libro DAMA-DMBOK proporciona información sobre: · Gobierno de datos · Gestión de Arquitectura de Datos · Desarrollo de datos · Gestión de Operaciones de base de datos · Gestión de la seguridad de datos · Gestión de datos maestros y de referencia · Gestión de almacenamiento de datos e inteligencia de negocios · Gestión de documentación y contenidos · Gestión de metadatos · Gestión de calidad de datos · Desarrollo profesional Como introducción oficial a la gestión de datos, los objetivos de la guía DAMA-DMBOK son: · Construir consensos para una visión general aplicable a las funciones de gestión de datos. · Proporcionar definiciones estandarizadas para funciones comúnmente utilizadas en la gestión de datos, resultados, roles y otras terminologías. · Documentar principios guiados para la gestión de datos. · Presentar una visión neutral de buenas prácticas comúnmente aceptadas, técnicas y métodos ampliamente adoptados, y alcances alternativos significantes. · Clarificar los alcances y límites de la gestión de datos. · Desempeñarse como guía de referencia para una mayor comprensión para el lector Editores: Mark Mosley, Editor de desarrollo, Michel Brackett, Editor de producción, Susan Early, Asistente de editor, y Deborah Henderson, Patrocinador del proyecto. Prologo por John Zachman, Prefacio por John Schley (presidente internacional de DAMA) y Deborah Henderson (Presidenta de fundación DAMA, Vicepresidenta internacional de educación e investigación DAMA) y Epilogo por Michel Brackett. (Galardonado al Premio a la Trayectoria de DAMA Internacional). El DMBOK fue traducido al español por: Derly Almanza, Cinthia Carolina Sanchez Osorio, Karen Dawson, Ramón Vasquez, Juan Azcurra, Juan Diego Lorenzo, Fernando Giliberto, Sergio Tornati y Pablo Cigliuti. Prólogo por John Zachman: El libro es una recopilación exhaustiva de todos los temas y casos posibles que merecen

consideración para iniciar y ejecutar u responsabilidades de gestión de datos en una empresa moderna. Es impresionante en su integralidad. No sólo identifica las metas y los objetivos de todos los temas de gestión de datos y las responsabilidades sino también sugiere de manera natural los participantes en la organización y los resultados finales que se deben esperar. La publicación comenzó como una recopilación trascendente muy necesaria de artículos y hechos sustantivos acerca del poco entendimiento del tema de la gestión de datos organizada por algunas personas de la sección Chicago de DAMA. Este material fue único en su momento por la carencia de información relacionada a este tema. Ha progresado hasta convertirse en un manual facultativo que merece un lugar en cualquier anaquel de gestión de datos. Hay una gran cantidad de información para el principiante de datos, pero también es de gran valor para el experto utilizándolo como una lista de comprobación y validación de sus conocimientos y responsabilidades para asegurar que nada se le ha olvidado. Es impresionante su amplitud y exhaustividad. La guía DAMA-DMBOK merece un lugar en cada estantería de libros de profesionistas de gestión de datos y para un gerente general servirá como guía para establecer expectativas y para asignar responsabilidades para la gestión y la práctica de lo que se ha convertido en el recurso más crítico de la empresa que ha progresado en la era de la información: DATOS!

[Copyright: c2b975a44415605774191c0b20c5038a](#)