

Principles Of Data Management: Facilitating Information Sharing

Andragogy may be defined as a scientific discipline for study of the research, theory, processes, technology, practice, and anything else of value and benefit including learning, teaching, instructing, guiding, leading, and modeling/exemplifying a way of life that would help to facilitate and bring adults to their full degree of humaneness. Andragogy is one part of the broader international field of adult education, human resource development, and lifelong learning, thus serving the advancement and connection needs of adult learners, organizational development, and lifelong learning in areas such as higher education, business, military, corporate training, healthcare, executive leadership, courtroom practice, religious life, and human resource development. *Facilitating Adult and Organizational Learning Through Andragogy: A History, Philosophy, and Major Themes* investigates the history, philosophy, and major themes of andragogy and how they may contribute to helping practitioners to design and facilitate adult and organizational learning. The book presents more than 500 documents that are examined through two different lenses. The first lens is the history and philosophy (or a chronological approach) of andragogy while the second lens takes a look at the major themes as categories of what the

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documents express. While encompassing the background, uses, and future of andragogy, this book is ideally intended for teachers, administrators, practitioners, stakeholders, researchers, academicians, and students. Executing Data Quality Projects, Second Edition presents a structured yet flexible approach for creating, improving, sustaining and managing the quality of data and information within any organization. Studies show that data quality problems are costing businesses billions of dollars each year, with poor data linked to waste and inefficiency, damaged credibility among customers and suppliers, and an organizational inability to make sound decisions. Help is here! This book describes a proven Ten Step approach that combines a conceptual framework for understanding information quality with techniques, tools, and instructions for practically putting the approach to work – with the end result of high-quality trusted data and information, so critical to today's data-dependent organizations. The Ten Steps approach applies to all types of data and all types of organizations – for-profit in any industry, non-profit, government, education, healthcare, science, research, and medicine. This book includes numerous templates, detailed examples, and practical advice for executing every step. At the same time, readers are advised on how to select relevant steps and apply them in different ways to best address the many situations they will face. The layout allows for quick reference with an easy-to-use format highlighting key

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concepts and definitions, important checkpoints, communication activities, best practices, and warnings. The experience of actual clients and users of the Ten Steps provide real examples of outputs for the steps plus highlighted, sidebar case studies called Ten Steps in Action. This book uses projects as the vehicle for data quality work and the word broadly to include: 1) focused data quality improvement projects, such as improving data used in supply chain management, 2) data quality activities in other projects such as building new applications and migrating data from legacy systems, integrating data because of mergers and acquisitions, or untangling data due to organizational breakups, and 3) ad hoc use of data quality steps, techniques, or activities in the course of daily work. The Ten Steps approach can also be used to enrich an organization's standard SDLC (whether sequential or Agile) and it complements general improvement methodologies such as six sigma or lean. No two data quality projects are the same but the flexible nature of the Ten Steps means the methodology can be applied to all. The new Second Edition highlights topics such as artificial intelligence and machine learning, Internet of Things, security and privacy, analytics, legal and regulatory requirements, data science, big data, data lakes, and cloud computing, among others, to show their dependence on data and information and why data quality is more relevant and critical now than ever before. Includes concrete instructions, numerous templates, and practical

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advice for executing every step of The Ten Steps approach Contains real examples from around the world, gleaned from the author's consulting practice and from those who implemented based on her training courses and the earlier edition of the book Allows for quick reference with an easy-to-use format highlighting key concepts and definitions, important checkpoints, communication activities, and best practices A companion Web site includes links to numerous data quality resources, including many of the templates featured in the text, quick summaries of key ideas from the Ten Steps methodology, and other tools and information that are available online This landmark textbook takes a whole subject approach to Information Science as a discipline. Introduced by leading international scholars and offering a global perspective on the discipline, this is designed to be the standard text for students worldwide. The authors' expert narrative guides you through each of the essential building blocks of information science offering a concise introduction and expertly chosen further reading and resources. Critical topics covered include: foundations: - concepts, theories and historical perspectives - organising and retrieving information - information behaviour, domain analysis and digital literacies - technologies, digital libraries and information management - information research methods and informetrics - changing contexts: information society, publishing, e-science and digital humanities - the future of

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the discipline. Readership: Students of information science, information and knowledge management, librarianship, archives and records management worldwide. Students of other information-related disciplines such as museum studies, publishing, and information systems and practitioners in all of these disciplines.

This book constitutes the refereed proceedings of the 20th International Conference on Data Analytics and Management in Data Intensive Domains, DAMDID/RCDL 2018, held in Moscow, Russia, in October 2018. The 9 revised full papers presented together with three invited papers were carefully reviewed and selected from 54 submissions. The papers are organized in the following topical sections: FAIR data infrastructures, interoperability and reuse; knowledge representation; data models; data analysis in astronomy; text search and processing; distributed computing; information extraction from text.

17th Smoky Mountains Computational Sciences and Engineering Conference, SMC 2020, Oak Ridge, TN, USA, August 26-28, 2020, Revised Selected Papers

Data Integrity and Data Governance

IT STRATEGY AND MANAGEMENT, FOURTH EDITION

Handbook of Data Management

UDMS Annual 2011

The Sustainable Development Goals Report 2017

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4th International Conference, Globe 2011, Toulouse, France, September 1-2, 2011, Proceedings

Advancements in data science have created opportunities to sort, manage, and analyze large amounts of data more effectively and efficiently. Applying these new technologies to the healthcare industry, which has vast quantities of patient and medical data and is increasingly becoming more data-reliant, is crucial for refining medical practices and patient care. Data Analytics in Medicine: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines practical applications of healthcare analytics for improved patient care, resource allocation, and medical performance, as well as for diagnosing, predicting, and identifying at-risk populations. Highlighting a range of topics such as data security and privacy, health informatics, and predictive analytics, this multi-volume book is ideally designed for doctors, hospital administrators, nurses, medical professionals, IT specialists, computer engineers, information technologists, biomedical engineers, data-processing specialists, healthcare practitioners, academicians, and researchers interested in current research on the connections between data analytics in the field of medicine.

Published in 1992. The author sets out the main issues in Data Management, from the first principles of meta modelling and data description through the comprehensive management exploitation, re-use, valuation, extension and enhancement of data as a valuable organizational resource. Using his recent in-depth experience of a major trans-European project, he highlights data value metrics and provides examples of extended data analysis to assist readers to produce corporate data architectures. The book considers how the techniques of data management can be applied in the wider community of business,

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institutional and organizational settings and considers how new types of data (from the EDIFACT world) can be integrated into the existing data management environments of large data processing functions. This wide-ranging text considers existing work in the field of data resource management and extends the concepts of data resource valuation. References are made to new aspects of metrics for data value and how they can be applied. It will interest strategic business planners, information systems, and DP managers and executives, data-management personnel and data analysts, and academics involved in MSc and BSc courses on Data Analysis, CASE repositories and structured methods.

This book constitutes the refereed proceedings of the 4th International Conference on Data Management in Grid and Peer-to-Peer Systems, Globe 2011, held in Toulouse, France, in September 2011 in conjunction with DEXA 2011. The 12 revised full papers presented were carefully reviewed and selected from 18 submissions. The papers are organized in topical sections on data storage and replication, semantics for P2P systems and performance evaluation, resource discovery and routing in mobile P2P networks, and data stream systems and large-scale distributed applications.

This book is for executives and practitioners tasked with the movement of data from old systems to a new repository. It uses a series of steps developed in real life situations that will get the reader from an empty new system to one that is working and backed by the user population. Recent figures suggest that nearly 40% of Data Migration projects are over time, over budget or fail entirely. Using this proven methodology will vastly increase the chances of achieving a successful migration.

Principles of Clinical Medicine for Space Flight

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Facilitating Information Sharing

Ten Steps to Quality Data and Trusted Information (TM)

Design, Management and Processing

Facilitating Learning in Clinical Settings

Introduction to Information Science

Organisations increasingly view data as a valuable corporate asset and its effective management can be vital to an organisation's success. This professional reference guide covers all the key areas including database development, data quality and corporate data modelling. It is not based on a particular proprietary system; it is business focused, providing the knowledge and techniques required to successfully implement the data management function.

The aim of this report is to present an overview of the 17 Goals using data currently available to highlight the most significant gaps and challenges. The latest data show that one eighth of humankind still lives in extreme poverty and that 800 million people suffer from hunger, and that water scarcity affects more than a quarter of humanity. These statistics show how important coordinated global data-generation efforts are in supplying reliable and timely data for systematic follow-up and progress reviews.

This book constitutes extended, revised and selected papers from the 22nd International Conference on Enterprise Information Systems, ICEIS 2020, held online during May 5-7, 2020. The 41 papers presented in this volume were carefully reviewed and selected for inclusion in this book from a total of 255 submissions. They were organized in topical sections as follows:

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database and information systems integration; artificial intelligence and decision support systems; information systems analysis and specification; software agents and internet computing; human-computer interaction; and enterprise architecture.

In its first edition, Principles of Clinical Medicine for Space Flight established itself as the authoritative reference on the contemporary knowledge base of space medicine and standards of care for space flyers. It received excellent notices and is used in the curricula of civilian and military training programs and used as a source of questions for the Aerospace Medicine Certifying Examination under the American Board of Preventive Medicine. In the intervening few years, the continuous manning of the International Space Station has both strengthened existing knowledge and uncovered new and significant phenomena related to the human in space. The Second Edition incorporates this information. Gaps in the first edition will be addressed with the addition new and revised chapters. This edition is extensively peer reviewed and represents the most up to date knowledge.

Business Optimisation and Regulatory Compliance

Facilitating Evaluation

Let's Put Data to Use: Digital Scholarship for the Next Generation

The Future of Atmospheric Chemistry Research

1999 Edition

Data Analytics and Management in Data Intensive Domains

Case Studies in Qualitative, Arts-Based and Visual Research

Presents trends and techniques for successful intelligent decision-making

and transfer of products through digital signal processing.

Facilitating Community Research for Social Change asks: what does ethical research facilitation look like in projects that seek to move toward social change? How can scholars weave political and social justice through multiple levels of the research process? This edited collection presents chapters that investigate research facilitation in ways that specifically attempt to disrupt and challenge anti-Indigenous and anti-Black racism, ableism, homophobia, transphobia, patriarchy, and sexism to work toward social change. It also explores what it means to develop facilitation practices across multiple contexts and research settings, including specific facilitation methods considered by researchers working with visual and community-based methods with Black, Indigenous, and racialized communities. The complexities of how scholars negotiate decisions within their research with people and communities have an effect not only on how researchers construct their participants and communities, but also on the overall purpose of projects, the ways their projects are shared and disseminated, and what is learned in the doing of facilitation. This book will be of great interest to both emerging and established researchers working within the social sciences. It specifically attends to diverse fields within the

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social sciences that include health, media studies, environmental studies, social work, sociology, education, participatory visual research methodologies, as well as the evolving field of digital humanities. 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 Strengholt 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

Our world is changing at an accelerating rate. The global human population has grown from 6.1 billion to 7.1 billion in the last 15 years and is projected to reach 11.2 billion by the end of the century. The distribution of humans across the globe has also shifted, with more than 50 percent of the global population now living in urban areas, compared to 29 percent in 1950. Along with these trends, increasing energy demands, expanding industrial activities, and intensification of agricultural activities worldwide have in turn led to changes in emissions that have altered the composition of the atmosphere. These changes have led to major challenges for society, including deleterious impacts on climate, human and ecosystem health. Climate change is one of the greatest environmental challenges facing society today. Air pollution is a major threat to human health, as one out of eight deaths globally is caused by air pollution. And, future food production and global food security are vulnerable to both global change and air pollution. Atmospheric chemistry research is a key part of understanding and responding to these challenges. The Future of Atmospheric Chemistry Research: Remembering Yesterday, Understanding Today, Anticipating Tomorrow summarizes the rationale and need for

supporting a comprehensive U.S. research program in atmospheric chemistry; comments on the broad trends in laboratory, field, satellite, and modeling studies of atmospheric chemistry; determines the priority areas of research for advancing the basic science of atmospheric chemistry; and identifies the highest priority needs for improvements in the research infrastructure to address those priority research topics. This report describes the scientific advances over the past decade in six core areas of atmospheric chemistry: emissions, chemical transformation, oxidants, atmospheric dynamics and circulation, aerosol particles and clouds, and biogeochemical cycles and deposition. This material was developed for the NSF's Atmospheric Chemistry Program; however, the findings will be of interest to other agencies and programs that support atmospheric chemistry research.

Methods and Practices of Enterprise Data Governance

Urban and Regional Data Management

Principles of Data Management

Archiving, Stewardship, and Access

Essentials of Health Information Management: Principles and Practices

Methods for Effective Information Administration and Transmission

Handbook of Research on Knowledge Management for Contemporary Business Environments

In Facilitating Evaluation, Michael Quinn Patton recounts stories of his experiences as an evaluation facilitator. Evaluation facilitation applies and adapts general facilitation knowledge and techniques to the specialized challenges of working with stakeholder groups involved in program evaluation. The purpose of such facilitation is to enhance the relevance, credibility, meaningfulness, and utility of evaluations. Michael Quinn Patton outlines five evaluation facilitation principles that are the organizing framework for addressing how to work with stakeholders to generate evaluation questions, make decisions among methods, interpret findings, and participate in any and all aspects of evaluation, from initial determination of purpose through design and data collection, and on through follow-up to ensure and enhance use. His between-chapter portages are an opportunity to hear different voices and encounter diverse perspectives on evaluation facilitation. In each case, he invited colleagues to write about anything they thought was important to understand and yet neglected in the evaluation literature. The book will be required reading for advanced courses in program evaluation and become an indispensable resource for practitioners in the field. This Open Access volume aims to methodologically improve our understanding of biodiversity by linking disciplines that incorporate remote sensing, and uniting data and perspectives in the fields of biology, landscape ecology, and geography.

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The book provides a framework for how biodiversity can be detected and evaluated--focusing particularly on plants--using proximal and remotely sensed hyperspectral data and other tools such as LiDAR. The volume, whose chapters bring together a large cross-section of the biodiversity community engaged in these methods, attempts to establish a common language across disciplines for understanding and implementing remote sensing of biodiversity across scales. The first part of the book offers a potential basis for remote detection of biodiversity. An overview of the nature of biodiversity is described, along with ways for determining traits of plant biodiversity through spectral analyses across spatial scales and linking spectral data to the tree of life. The second part details what can be detected spectrally and remotely. Specific instrumentation and technologies are described, as well as the technical challenges of detection and data synthesis, collection and processing. The third part discusses spatial resolution and integration across scales and ends with a vision for developing a global biodiversity monitoring system. Topics include spectral and functional variation across habitats and biomes, biodiversity variables for global scale assessment, and the prospects and pitfalls in remote sensing of biodiversity at the global scale.

Technologisch ist die Integration einer großen Menge von heterogenen Benutzern in ein IT-System heute problemlos möglich. Die Herausforderung besteht darin, neue Arten von Zugängen zu schaffen, die unterschiedlichen Nutzergruppen die jeweils für sie passenden Informationen gleichzeitig bereitstellen. Die

unerfahrenen Nutzer benötigen einen Einstieg in das System, der sehr schnell einen Überblick über die vorhandenen Daten liefert. Normale Nutzer brauchen eine konsolidierte Beschreibung, die es ihnen erlaubt, bei Bedarf über ein Drill-Down mit den Daten im System zu arbeiten. Professionelle Nutzer erhalten eine spezifische und sehr genaue Beschreibung, um einen vollständigen Überblick zu erhalten und die Informationen für ihre Zwecke zu verarbeiten. Metadaten liefern eine gute Möglichkeit für einen solchen Zugang. Ein geeignetes, systematisches Vorgehen zur Beschreibung und Verwaltung von Metadaten ist hierbei im Moment noch nicht existent. In dieser Arbeit soll ein erster Ansatz für eine allgemeine Metadaten-Verwaltung geschaffen werden, welche es erlaubt, Metadaten zu definieren, abzulegen und zu nutzen. Für die Definition wird ein modellbasierter Ansatz verwendet. Für das Modell wird ein allgemeines Metadatenschema konstruiert, das auf Stereotypen basiert. Um die Stereotype zu nutzen, wird der Prototyp eines Mediators vorgestellt, der für das Importieren und Exportieren von Metadaten in die Stereotype verwendet werden kann. Zusätzlich werden für das Retrieval von Metadaten automatisiert Strukturen generiert, die zu einem Data Dictionary führen, das dem Konzept in relationalen Datenbankmanagementsystemen ähnelt. Zuletzt wird das Konzept in die Website des deutschen Koordinationsbüros des Internationalen Kontinentalen Tiefbohrprogrammes in Deutschland (ICDP) integriert.

"Contains an overview of how adult learning theory relates to clinical education and practical strategies for implementation. It discusses stages of student growth

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and development along the continuum towards interdependence, case examples and cautions to using suggested strategies" -- Pref. p.viii.

Enterprise Information Systems

Facilitating Community Research for Social Change

Remote Sensing of Plant Biodiversity

Practical Data Migration

Concepts, Methodologies, Tools, and Applications

A Case-Based Approach

Business Information Systems

Businesses are becoming increasingly global, so they need a well-orchestrated IT management strategy to meet the increasing customer expectations and international competition. This concise yet comprehensive edition is designed to prepare students with IT strategy, planning and management with latest management frameworks, researched principles and proven best practices. Besides giving an in-depth study of managing IT as a strategic resource, the book also explains how to prepare an effective plan for implementing IT strategy. Further, it covers the complete lifecycle of IT management encompassing IT projects and

program management, IT service management, planning and measuring returns from IT investment, and management of IT-led change in the organization. In addition, it deals with the topics of modern interest such as computer ethics, IPR management, and Indian cyber laws. NEW TO THE EDITION □ **Includes three new chapters on ‘Business Model Strategies’, ‘Business Process Reengineering and ERP’, and ‘Big Data Analytics Strategy’.** □ **Several case studies in the Indian context to give a practical understanding of the subject for the readers.** □ **MCQs to help students to test their knowledge.**
TARGET AUDIENCE • B. Tech (Computer Science) • B.Tech (IT) • M.Sc. (IT) • MBA (PGDM)

Data integrity is the hottest topic in the pharmaceutical industry. Global regulatory agencies have issued guidance, after guidance after guidance in the past few years, most of which does not offer practical advice on how to implement policies, procedures and processes to ensure integrity. These guidances state what but not how. Additionally, key stages of analysis that impact data integrity are omitted entirely. The

aim of this book is to provide practical and detailed help on how to implement data integrity and data governance for regulated analytical laboratories working in or for the pharmaceutical industry. It provides clarification of the regulatory issues and trends, and gives practical methods for meeting regulatory requirements and guidance. Using a data integrity model as a basis, the principles of data integrity and data governance are expanded into practical steps for regulated laboratories to implement. The author uses case study examples to illustrate his points and provides instructions for applying the principles of data integrity and data governance to individual laboratory needs. This book is a useful reference for analytical chemists and scientists, management and senior management working in regulated laboratories requiring either an understanding about data integrity or help in implementing practical solutions. Consultants will also benefit from the practical guidance provided.

Packed with dozens of no-nonsense chapters written by

leading professionals, Handbook of Data Management, 1999 Edition shows your students how to design, build, and maintain high-performance, high-availability databases in multiple environments. Handbook of Data Management, 1999 Edition is the most comprehensive, single-volume guide of its kind. The book provides the latest, most innovative solutions for planning, developing, and running a powerful data management function. Here students will find exhaustive coverage of the range of data repositories (from legacy indexed files to object data bases and data warehouses) as well as details on everything from strategic planning to maximizing database performance. Completely revised and updated to reflect latebreaking technologies, Handbook of Data Management, 1999 Edition includes extensive case studies and straightforward descriptions showing students how to: implement Web-enabled data warehouses build multimedia databases master data mining use enterprise database modeling stay up-to-date with data conversion and migration maximize OLAP architectures and tools Handbook of

Data Management, 1999 Edition also provides ongoing coverage of the latest tools and techniques regarding: organization for quality information systems data definition database design and management object and hybrid databases and more Each contributor to Handbook of Data Management, 1999 Edition is an expert with first-hand experience in database and data management. These contributors provide a depth and breadth of coverage you and your students simply won't find anywhere else. Prepare your students for "real-world" business computing. Start them off with Handbook of Data Management, 1999 Edition.

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Data Management at Scale

A Practitioner's Guide to Data Governance

Data Analytics in Medicine: Concepts, Methodologies, Tools, and Applications

20th International Conference, DAMDID/RCDL 2018, Moscow,

***Russia, October 9-12, 2018, Revised Selected Papers
Proceedings of the 18th International Conference on Electronic
Publishing***

***Ein allgemeiner Ansatz zur Metadaten-Verwaltung
Praxishandbuch Forschungsdatenmanagement***

Downloadable PDF (ISBN 9780113312757) also available

This book systematically introduces the data governance and digital transformation at Huawei, from the perspectives of technology, process, management, and so on.

Huawei is a large global enterprise engaging in multiple types of business in over 170 countries and regions. Its differentiated operation is supported by an enterprise data foundation and corresponding data governance methods. With valuable experience, methodology, standards, solutions, and case studies on data governance and digital transformation, enterprise data at Huawei is ideal for readers to learn and apply, as well as to get an idea of the digital transformation journey at Huawei. This book is organized into four parts and ten chapters. Based on the understanding of “the cognitive world of machines,” the book proposes the prospects for the future of data governance, as well as the imaginations about AI-based governance, data sovereignty, and building a data ecosystem.

Human activities as well as various natural phenomena change the environment and impact on the quality of life. Analysis of those dynamics is required for a better understanding of urban modifications, and to facilitate urban growth and development.

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Research related to the management of urban data has a long tradition. Through the years a variety of challenging research questions has been investigated related to the collection, storage, use and visualisation of the data representing the urban phenomena in a computer-based environment. The role of the citizens and their wellbeing has become a critical aspect in all research and development activities. Since 1971, the Urban Data Management Society (UDMS) has organized international symposia across Europe to promote the development of information systems at a local government level. Initially, the focus of these symposia was mostly on urban applications, but both regional and rural issues have grown in importance over the years. Nowadays, an important aim of UDMS is to provide a forum for people to discuss new approaches, to consider new technologies, and to share practical experiences in the field of urban data management. This book contains a selection of the best 19 out of 42 full papers that were submitted for UDMS 2011. The topics covered represent current trends in urban and regional data management. Urban and Regional Data Management 2011 is divided in four parts: (1) 3D modeling and applications; (2) Data management for local government; (3) Environmental monitoring and assessment; (4) Remote sensing for urban applications, and will prove to be a useful source of information for urban, regional and rural data-related professionals, such as scholars, GIS engineers, geomatic professionals, photogrammetrists, land surveyors, mapping specialists, urban planners and researchers, as well as for postgraduate students and lecturers.

The ways in which research data is used and handled continue to capture public

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attention and are the focus of increasing interest. Electronic publishing is intrinsic to digital data management, and relevant to the fields of data mining, digital publishing and social networks, with their implications for scholarly communication, information services, e-learning, e-business and the cultural heritage sector. This book presents the proceedings of the 18th International Conference on Electronic Publishing (ELPUB), held in Thessaloniki, Greece, in June 2014. The conference brings together researchers and practitioners to discuss the many aspects of electronic publishing, and the theme this year is 'Let's put data to use: digital scholarship for the next generation'. As well as examining the role of cultural heritage and service organisations in the creation, accessibility, duration and long-term preservation of data, it provides a discussion forum for the appraisal, citation and licensing of research data and the new developments in reviewing, publishing and editorial technology. The book is divided into sections covering the following topics: open access and open data; knowing the users better; researchers and their needs; specialized content for researchers; publishing and access; and practical aspects of electronic publishing. Providing an overview of all that is current in the electronic publishing world, this book will be of interest to practitioners, researchers and students in information science, as well as users of electronic publishing.

Enterprise Data at Huawei

Why Choosing and Reusing the RIGHT DATA Matters

A Primer in Financial Data Management

22nd International Conference, ICEIS 2020, Virtual Event, May 5–7, 2020, Revised

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Selected Papers

Executing Data Quality Projects

Management of risk

Legal Data for Banking

This book contains the refereed proceedings of the 17th International Conference on Business Information Systems, BIS 2014, held in Larnaca, Cyprus, in May 2014. The BIS conference series follows trends in academic and business research; thus, the theme of the BIS 2014 conference was "Big Data: Problems Solved and Remaining Challenges." Currently, big data is one of the most prominent trends in areas such as recommendation engines, fraud detection, risk modeling, marketing campaign and social network analysis. The 22 revised full papers were carefully reviewed and selected from 58 submissions. They are grouped into sections on big data, business process management, ontologies and conceptual modeling, collaboration, service science and interoperability and specific BIS applications.

This book shows how the vision for open access to scientific data can be more readily achieved through a staged model that research funders, policy makers, scientists, and research organizations can adopt in their practice. Drawing on her own experiences with data processing, on early findings with open scientific data at CERN (the European Organization for Nuclear Research), and from case studies of shared

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clinical trial data, the author updates our understanding of research data - what it is; how it dynamically evolves across different scientific disciplines and across various stages of research practice; and how it can, and indeed should, be shared at any of those stages. The result is a flexible and pragmatic path for implementing open scientific data.

A Primer in Financial Data Management describes concepts and methods, considering financial data management, not as a technological challenge, but as a key asset that underpins effective business management. This broad survey of data management in financial services discusses the data and process needs from the business user, client and regulatory perspectives. Its non-technical descriptions and insights can be used by readers with diverse interests across the financial services industry. The need has never been greater for skills, systems, and methodologies to manage information in financial markets. The volume of data, the diversity of sources, and the power of the tools to process it massively increased. Demands from business, customers, and regulators on transparency, safety, and above all, timely availability of high quality information for decision-making and reporting have grown in tandem, making this book a must read for those working in, or interested in, financial management. Focuses on ways information management can fuel financial institutions'

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processes, including regulatory reporting, trade lifecycle management, and customer interaction Covers recent regulatory and technological developments and their implications for optimal financial information management Views data management from a supply chain perspective and discusses challenges and opportunities, including big data technologies and regulatory scrutiny

A practical, informative guide to banks' major weakness Legal Data for Banking defines the legal data domain in the context of financial institutions, and describes how banks can leverage these assets to optimise business lines and effectively manage risk. Legal data is at the heart of post-2009 regulatory reform, and practitioners need to deepen their grasp of legal data management in order to remain compliant with new rules focusing on transparency in trade and risk reporting. This book provides essential information for IT, project management and data governance leaders, with detailed discussion of current and best practices. Many banks are experiencing recurrent pain points related to legal data management issues, so clear explanations of the required processes, systems and strategic governance provide immediately-relevant relief. The recent financial crisis following the collapse of major banks had roots in poor risk data management, and the regulators' unawareness of accumulated systemic risk stemming from contractual obligations between firms. To avoid repeating history,

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today's banks must be proactive in legal data management; this book provides the critical knowledge practitioners need to put the necessary systems and practices in place. Learn how current legal data management practices are hurting banks Understand the systems, structures and strategies required to manage risk and optimise business lines Delve into the regulations surrounding risk aggregation, netting, collateral enforceability and more Gain practical insight on legal data technology, systems and migration The legal contracts between firms contain significant obligations that underpin the financial markets; failing to recognise these terms as valuable data assets means increased risk exposure and untapped business lines. Legal Data for Banking provides critical information for the banking industry, with actionable guidance for implementation. guidance for practitioners

Clinical Data Management

Open Scientific Data

Data Management and Data Description

Remembering Yesterday, Understanding Today, Anticipating Tomorrow

17th International Conference, BIS 2014, Larnaca, Cyprus, May 22-23, 2014, Proceedings

Facilitating Adult and Organizational Learning Through Andragogy: A History, Philosophy, and Major Themes

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The National Oceanic and Atmospheric Administration (NOAA) collects, manages, and disseminates a wide range of climate, weather, ecosystem and other environmental data that are used by scientists, engineers, resource managers, policy makers, and others in the United States and around the world. The increasing volume and diversity of NOAA's data holdings - which include everything from satellite images of clouds to the stomach contents of fish - and a large number of users present NOAA with substantial data management challenges. NOAA asked the National Research Council to help identify the observations, model output, and other environmental information that must be preserved in perpetuity and made readily accessible, as opposed to data with more limited storage lifetime and accessibility requirements. This report offers nine general principles for effective environmental data management, along with a number of more specific guidelines and examples that explain and illustrate how these principles could be applied at NOAA.

Ecologists are increasingly tackling difficult issues like global change, loss of biodiversity and sustainability of ecosystem services. These and related topics are enormously challenging, requiring unprecedented multidisciplinary collaboration and rapid synthesis of large amounts of diverse data into information and ultimately knowledge. New sensors, computers, data collection and storage devices and analytical and statistical methods provide a powerful tool kit to support analyses,

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graphics and visualizations that were unthinkable even a few years ago. New and increased emphasis on accessibility, management, processing and sharing of high-quality, well-maintained and understandable data represents a significant change in how scientists view and treat data. These issues are complex and despite their importance, are typically not addressed in database, ecological and statistical textbooks. This book addresses these issues, providing a much needed resource for those involved in designing and implementing ecological research, as well as students who are entering the environmental sciences. Chapters focus on the design of ecological studies, data management principles, scientific databases, data quality assurance, data documentation, archiving ecological data and information and processing data into information and knowledge. The book stops short of a detailed treatment of data analysis, but does provide pointers to the relevant literature in graphics, statistics and knowledge discovery. The central thesis of the book is that high quality data management systems are critical for addressing future environmental challenges. This requires a new approach to how we conduct ecological research, that views data as a resource and promotes stewardship, recycling and sharing of data. Ecological Data will be particularly useful to those ecologists and information specialists that actively design, manage and analyze environmental databases. However, it will also benefit a wider audience of scientists and students in the

ecological and environmental sciences.

Information is considered essential in every business model, which is why staying abreast of the latest resources can help combat many challenges and aid businesses in creating a synthesis between people and information, keeping up with evolving technologies, and keeping data accurate and secure. The Handbook of Research on Knowledge Management for Contemporary Business Environments is a critical scholarly publication that examines the management of knowledge resources in modern business contexts. Including a wide range of topics such as information systems, sustainable competitive advantage, and knowledge sharing, this publication is a vital reference source for managers, academicians, researchers, and students seeking current research on strategies that are able to manage the information in more than one context for present and future generations.

This book constitutes the revised selected papers of the 17th Smoky Mountains Computational Sciences and Engineering Conference, SMC 2020, held in Oak Ridge, TN, USA, in August 2020. The 36 full papers and 1 short paper presented were carefully reviewed and selected from a total of 94 submissions. The papers are organized in topical sections of computational applications: converged HPC and artificial intelligence; system software: data infrastructure and life cycle; experimental/observational applications: use cases that drive*

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requirements for AI and HPC convergence; deploying computation: on the road to a converged ecosystem; scientific data challenges. *The conference was held virtually due to the COVID-19 pandemic.

A History, Philosophy, and Major Themes

Environmental Data Management at NOAA

OECD Reviews of Digital Transformation: Going Digital in Colombia

Driving Scientific and Engineering Discoveries Through the Convergence of HPC, Big Data and AI

Principles in Practice

Data Management in Grid and Peer-to-Peer Systems

Practical Implementation in Regulated Laboratories

OECD Reviews of Digital Transformation: Going Digital in Colombia analyses recent developments of the digital economy in the country, reviews policies related to digitalisation and makes recommendations to increase policy coherence in this area. The report examines recent developments in infrastructures for the digital economy, telecom markets and related regulations and policies in Colombia.

Extensively revised and updated, with the addition of new chapters and authors, this long-awaited second edition covers all aspects of clinical data management. Giving details of the efficient clinical data management procedures required to satisfy both corporate objectives and quality audits by regulatory authorities, this text is timely and an important contribution to the literature. The volume: * is written by well-known and experienced authors in this area * provides new approaches to major topics in clinical data management * contains new

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chapters on systems software validation, database design and performance measures. It will be invaluable to anyone in the field within the pharmaceutical industry, and to all biomedical professionals working in clinical research.

Aktuelle Geschehnisse wie das Inkrafttreten des Kodex „Leitlinien zur Sicherung guter wissenschaftlicher Praxis“ der Deutschen Forschungsgemeinschaft (DFG) oder der Aufbau der Nationalen Forschungsdateninfrastruktur (NFDI) und der European Open Science Cloud (EOSC) stellen Anbietende, Produzierende und Nutzende von Forschungsdaten vor fachwissenschaftliche, technische, rechtliche und organisatorische Herausforderungen. Das Praxishandbuch Forschungsdatenmanagement behandelt umfassend alle relevanten Aspekte des Forschungsdatenmanagements und der derzeitigen Rahmenbedingungen im Datenökosystem. Insbesondere die praktischen Implikationen der Datenpolitik und des -rechts, des jeweiligen Datenmarkts, der Datenkultur, der persönlichen Qualifizierung, des Datenmanagements sowie des „FAIR“en Datentransfers und der Datennachnutzung werden untersucht. Das Praxishandbuch gibt überdies einen Überblick über Projekte, Entwicklungen und Herausforderungen beim Forschungsdatenmanagement. Am 16. Juni 2021 fand ein Interview mit dem Herausgeber und den Herausgeberinnen statt, das Ihnen Einblicke in die Intentionen, inhaltlichen Einflüsse sowie ihre Gedanken für die Zukunft des Forschungsdatenmanagements gibt. Hier finden Sie das Webinar auf Youtube :

<https://www.youtube.com/watch?v=H-v1KPTWsac>

Data governance looks simple on paper, but in reality it is a complex issue facing organizations. In this practical guide, data experts Uma Gupta and San Cannon look to demystify data governance through pragmatic advice based on real-world experience and

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cutting-edge academic research.

Ecological Data

Web-Based Supply Chain Management and Digital Signal Processing: Methods for Effective Information Administration and Transmission