

Data Quality High Impact Strategies What You Need To Know Definitions Adoptions Impact Benefi

Insurers: use analytics to drive far more value from your most important asset -- data! Today, many insurers radically underutilize their data, leaving them vulnerable to traditional and non-traditional competitors alike. Now, drawing on 25 years of industry experience, Patricia Saporito shows how to systematically leverage analytics to improve business performance and customer satisfaction throughout any insurance business. Applied Insurance Analytics demonstrates how to use analytics to systematically improve operations ranging from underwriting and risk management to claims. Even more important: it will help you drive more value everywhere by defining a focused enterprise-wide analytics strategy, and overcoming the challenges that stand in your way. Saporito helps you assess your current analytics maturity, choose the new applications that offer the most value, and master best practices from throughout the industry and beyond. Throughout, she helps you gain more value from data assets, technologies and tools you've already invested in. You'll find new case studies, practical tools, and easy templates for improving the "Analytics IQ" of your entire enterprise. For every insurance

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industry professional and manager concerned with analytics, including users, IT pros, sales/marketing specialists, and data scientists. This book will also be valuable to students in any MBA or other program focused on insurance or risk management, and to many students in IT or analytics-specific programs.

This fully revised and updated edition of the bestselling Chief Data Officer's Playbook offers new insights into the role of the CDO and the data environment. Written by two of the world's leading experts in data driven transformation, it addresses the changes that have taken place in "data", in the role of the "CDO", and the expectations and ambitions of organisations. Most importantly, it will place the role of the CDO into the context of a c-suite player for organisations that wish to recover quickly and with long-term stability from the current global economic downturn. New coverage includes: - the evolution of the CDO role, what those changes mean for organisations and individuals, and what the future might hold - a focus on ethics, the data revolution and all the areas that help readers take their first steps on the data journey - new conversations and experiences from an alumni of data leaders compiled over the past three years - new chapters and reflections on being a third generation CDO and on working across a broad spectrum of organisations who are all on different parts of their data journey. Written in a highly accessible and practical manner, The Chief Data Officer's Playbook, Second Edition brings the most up-to-date guidance to CDO's who wish to understand their position

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better; to those aspiring to become CDOs; to those who might be recruiting a CDO and to recruiters to understand an organisation seeking a CDO and the CDO landscape.

This book constitutes a collection of selected contributions from the 12th International Conference on Perspectives in Business Informatics Research, BIR 2013, held in Warsaw, Poland, in September 2013. Overall, 54 submissions were rigorously reviewed by 41 members of the Program Committee representing 21 countries. As a result, 19 full and 5 short papers from 12 countries have been selected for publication in this volume. This book also includes the two keynotes by Witold Abramowicz and Bernhard Thalheim. The papers cover many aspects of business information research and have been organized in topical sections on: business process management; enterprise and knowledge architectures; organizations and information systems development; information systems and services; and applications.

This book constitutes the revised selected papers of the combined workshops on Web Information Systems Engineering, WISE 2014, held in Thessaloniki, Greece, in October 2014. The 19 selected papers presented were carefully revised and report from the four workshops: computational social networks, IWCSN 2014, enterprise social networks, Org2 2014, personalization and context-awareness in cloud and service computing, PCS 2014, and data quality and trust in big data, QUAT 2014.

Converging Clinical and Engineering Research on Neurorehabilitation

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Web Information Systems and Technologies

Strategies for Management in Modern Era

Clinical Informatics Study Guide

Simplification Strategies for the Digital Enterprise

Quality-aware Scheduling for Key-value Data Stores

CeDEM 12 Conference for E-Democracy and Open Government 3-4 May 2012 Danube-
University Krems, Austria

Restoring human motor and cognitive function has been a fascinating research area during the last century. Interfacing the human nervous system with electro-mechanical rehabilitation machines is facing its crucial passage from research to clinical practice, enhancing the potentiality of therapists, clinicians and researchers to rehabilitate, diagnose and generate knowledge. The 2012 International Conference on Neurorehabilitation (ICNR2012) brings together researchers and students from the fields of Clinical Rehabilitation, Applied Neurophysiology and Biomedical Engineering, covering a wide range of research topics: · Clinical Impact of Technology · Brain-Computer Interface in Rehabilitation · Neuromotor & Neurosensory modeling and processing · Biomechanics in

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Rehabilitation · Neural Prostheses in Rehabilitation · Neuro-Robotics in Rehabilitation · Neuromodulation This Proceedings book includes general contributions (2-page extended abstracts) from oral and poster sessions, as well as from special sessions. A section is also dedicated to pre-post conference workshops, including invited contributions from internationally recognized researchers. A selection of most relevant papers have been considered for publication in international journals (e.g. JNER, JACCES, ...), therefore they will appear soon in their extended versions in Special Issues. These Proceedings also contain brief descriptions of keynote lectures from invited world-class professors, and a number of thematic round tables covering technological and institutional issues.

Data governance is an emerging discipline with an evolving definition. The discipline embodies a convergence of data quality, data management, data policies, business process management, and risk management surrounding the handling of data in an organization. Through data governance, organizations are looking to exercise positive control over the processes and methods used by their data stewards and data custodians to

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handle data. Data governance is a set of processes that ensures that important data assets are formally managed throughout the enterprise. Data governance ensures that data can be trusted and that people can be made accountable for any adverse event that happens because of low data quality. It is about putting people in charge of fixing and preventing issues with data so that the enterprise can become more efficient. Data governance also describes an evolutionary process for a company, altering the company's way of thinking and setting up the processes to handle information so that it may be utilized by the entire organization. It's about using technology when necessary in many forms to help aid the process. When companies desire, or are required, to gain control of their data, they empower their people, set up processes and get help from technology to do it. This book is your ultimate resource for Data Governance. Here you will find the most up-to-date information, analysis, background and everything you need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about Data Governance right away, covering: Data governance, Corporate Governance of ICT, Corporate

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governance of information technology, AS 8015, Autonomic Networking, Chief web officer, COBIT, Information technology controls, Data custodian, Data steward, Data visualization, Governance Interoperability Framework, IBM Tivoli Unified Process (ITUP), ISO/IEC 38500, Ministry of Communications and Information Technology (Egypt), Project governance, Public ROI, Risk IT, SOA governance, TickIT, Total cost of ownership, Val IT, Web content lifecycle, Website governance This book explains in-depth the real drivers and workings of Data Governance. It reduces the risk of your technology, time and resources investment decisions by enabling you to compare your understanding of Data Governance with the objectivity of experienced professionals.

This book constitutes the thoroughly refereed post-conference proceedings of the 10th International Workshop on Digital-forensics and Watermarking (IWDW 2011) held in Atlantic City, NJ, USA, during October 23-26, 2011. The 37 revised full papers presented were carefully selected from 59 submissions. Conference papers are organized in 6 technical sessions, covering the topics of steganography and steganalysis,

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watermarking, visual cryptography, forensics, anti-forensics, fingerprinting, privacy and security.

This book investigates what enterprises can do and/or what should it be capable of in order to accelerate organizational changes. Therefore, a capability-based method is developed, which assists in the identification, structuring and management of capabilities. The approach is embedded in a process comprising four building blocks that provide appropriate procedures, concepts and supporting tools evolved from theory and practical use cases. The guide represents a flexible method for capability newcomers and experienced audiences to optimize enterprises' economic impacts of EAM supporting the alignment of business and IT.

The Chief Data Officer's Playbook

Digital Insurance

Addressing the 12 Major Challenges Today's Organizations Face

The 17th International Symposium

Definitions, Adoptions, Impact, Benefits, Maturity, Vendors

Case Studies 2014-16

Institutionalizing integrated community case management (iCCM)

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to end preventable child deaths

This book constitutes revised selected papers from the 15th International Conference on Web Information Systems and Technologies, WEBIST 20109 held in Vienna, Austria, in September 2019. The 10 full papers presented in this volume were carefully reviewed and selected from originally 87 paper submissions. They contribute to the understanding of relevant trends of current research on Web Information Systems and Technologies, including Big Data and Connected Services; Web Performance; Context-aware and Adaptive Web Applications; Human Robot Collaboration and Multi-Agent Systems; Web Application Operating Systems and Platforms; Social Media Advertising and Enhancing Purchase Intentions; Natural Language Query Interfaces and Semantic Web; and Human-computer Interaction and Dynamic Web Pages.

Information is currency. Recent 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. In this important and timely new book, Danette McGilvray presents her “Ten Steps approach to information quality, a proven method for both understanding and creating information quality in the enterprise. Her trademarked approach—in which she has trained Fortune 500 clients and hundreds of workshop attendees—applies to all types of data and to all types of organizations. * Includes numerous templates, detailed examples, and practical advice for executing every step of the “Ten Steps approach. * 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

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numerous data quality resources, including many of the planning and information-gathering templates featured in the text, quick summaries of key ideas from the Ten Step methodology, and other tools and information available online.

This book is the volume of the proceedings for the 17th Edition of ISER. The goal of ISER (International Symposium on Experimental Robotics) symposia is to provide a single-track forum on the current developments and new directions of experimental robotics. The series has traditionally attracted a wide readership of researchers and practitioners interested to the advances and innovations of robotics technology. The 54 contributions cover a wide range of topics in robotics and are organized in 9 chapters: aerial robots, design and prototyping, field robotics, human robot interaction, machine learning, mapping and localization, multi-robots, perception, planning and control. Experimental validation of algorithms, concepts, or techniques is the common thread running through this large research collection.

This book explores the ways in which the adoption of new paradigms, processes, and technologies can lead to greater revenue, cost efficiency and control, as well as improved business agility in the insurance industry.

Enterprise Performance Optimization Strategy

Data Management Technologies and Applications

15th International Workshops IWCSN 2014, Org2 2014, PCS 2014, and QUAT 2014,
Thessaloniki, Greece, October 12-14, 2014, Revised Selected Papers

Federal Register

Professional and Ethical Consideration for Early Childhood Leaders

Data Strategy in Colleges and Universities

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12th International Conference, BIR 2013, Warsaw, Poland, September 23-25, 2013,
Proceedings

As research in the geosciences and social sciences becomes increasingly dependent on computers, applications such as geographical information systems are becoming indispensable tools. But the digital representations of phenomena that these systems require are often of poor quality, leading to inaccurate results, uncertainty, error propagation, and

"The Transformers" is all about Simplification and the Digital Enterprise. The story takes you on a journey through the digital world in times when economic conditions force companies to manage their bottom-line rigorously. Despite these conditions, digitization is in full swing. Digital strategies that are simple and understandable can create competitive advantages for companies' futures, shielding them from potential future threats. Published right in time, the book "The Transformers" shows how companies can immediately save cost with data transformation at the push of a button, and, at the same time, accelerate its digitization. It will empower you to drive transformation and end-to-end information management of the digital core successfully. "The Transformers" lays out the digital building blocks for businesses and introduces Artificial Intelligence and digital platforms to tackle Big Data. Also included, detailed descriptions of Digital Business Transformation enhance your understanding

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while demonstrating its applicability to digitization. The value of enterprises' core data shines like crown jewels that absolutely demand protection and safety. Graesser illustrates how to manage business data rightfully, and he explains the full data life cycle management with a focus on the historization of old data in terms of preservation and protection. The heart of the book consists of two chapters with in-depth explanations of technical platforms needed to conquer the Big Data challenges. The SAP HANA 2.0 platform, with its in-memory database, transforms the meaning of and the value out of Big Data with many advanced analytical capabilities. The Historization platform JiVS IMP by Data Migration International complements the operational enterprise systems with sophisticated data transformation capabilities realizing major value scenarios. In combination, both platforms together allow significant simplification of data management for real-time data business models. Strategic thinking and developing strategies, in principle, is an art more than 2,500 years old. From Battlefield to Greenfield, "The Transformers" bridges the time-gap from ancient China with its famous war strategist Sun Tzu who lived around 500 BC, to the digital era today. The fighting happened then, and it happens today in business with arms, battlegrounds, and warriors. Graesser provides significant insights on how to plan victories and to win battles even without fighting. The visions and strategies are substantial and have never moved out of the central

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attention of leaders. You can touch and feel Digital Business Transformation with stories about the digital journeys of enterprises across different industries. And the book closes with the 'Tips from the Top' chapter. It features Thomas Failer (founder of Data Migration International), Bjoern Braemer (Senior Vice president at SAP SE), Peter Hartmann (former CIO of the Geberit Group), and Tom Pfister (CEO Nytro Marketing). The book's audiences include C-suite business leaders and will appeal to all decision-makers who drive transformational business or Information Technology programs.

The LNCS journal Transactions on Large-Scale Data- and Knowledge-Centered Systems focuses on data management, knowledge discovery, and knowledge processing, which are core and hot topics in computer science. Since the 1990s, the Internet has become the main driving force behind application development in all domains. An increase in the demand for resource sharing (e.g., computing resources, services, metadata, data sources) across different sites connected through networks has led to an evolution of data- and knowledge management systems from centralized systems to decentralized systems enabling large-scale distributed applications providing high scalability. This, the 48th issue of Transactions on Large-Scale Data- and Knowledge-Centered Systems, contains 8 invited papers dedicated to the memory of Prof. Dr. Roland Wagner. The topics covered include distributed database systems, NewSQL, scalable transaction

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management, strong consistency, caches, data warehouse, ETL, reinforcement learning, stochastic approximation, multi-agent systems, ontology, model-driven development, organisational modelling, digital government, new institutional economics and data governance.

The authors advocate attention to smart data strategy as an organizing element of enterprise performance optimization. They believe that “smart data” as a corporate priority could revolutionize government or commercial enterprise performance much like “six sigma” or “total quality” as organizing paradigms have done in the past. This revolution has not yet taken place because data historically resides in the province of the information resources organization. Solutions that render data smart are articulated in “technoid” terms versus the language of the board room. While books such as Adaptive Information by Pollock and Hodgson ably describe the current state of the art, their necessarily technical tone is not conducive to corporate or agency wide qualitative change.

Data Governance: High-impact Strategies - What You Need to Know
Technological Adoption and Trends in Health Sciences Teaching, Learning, and Practice

Volume 2, Operational guidelines
From Understanding to Implementation
Digital Forensics and Watermarking

10th International Workshop, IWDW 2011, Atlantic City, NJ, USA, October 23-26, 2011, Revised Selected Papers

High-Impact Human Capital Strategy

As a small, open economy, Mauritius needs a well-performing regulatory system that provides necessary protections while enabling the development of trade and investment and limiting administrative burdens. A robust regulatory impact assessment (RIA) framework can enhance Mauritius' business environment and attractiveness as a trade and investment partner.

This volume contains the papers of 3 workshops and the doctoral consortium, which are organized in the framework of the 18th East-European Conference on Advances in Databases and Information Systems (ADBIS'2014). The 3rd International Workshop on GPUs in Databases (GID'2014) is devoted to subjects related to utilization of Graphics Processing Units in database environments. The use of GPUs in databases has not yet received enough attention from the database community. The intention of the GID workshop is to provide a

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discussion on popularizing the GPUs and providing a forum for discussion with respect to the GID's research ideas and their potential to achieve high speedups in many database applications. The 3rd International Workshop on Ontologies Meet Advanced Information Systems (OAIS'2014) has a twofold objective to present: new and challenging issues in the contribution of ontologies for designing high quality information systems, and new research and technological developments which use ontologies all over the life cycle of information systems. The 1st International Workshop on Technologies for Quality Management in Challenging Applications (TQMCA'2014) focuses on quality management and its importance in new fields such as big data, crowd-sourcing, and stream databases. The Workshop has addressed the need to develop novel approaches and technologies, and to entirely integrate quality management into information system management.

This book comprehensively illustrates quality-aware scheduling in key-value stores. In addition, it provides

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scheduling strategies and a prototype framework of quality-aware scheduler as well as a demonstration of online applications. The book offers a rich blend of theory and practice which is suitable for students, researchers and practitioners interested in distributed systems, NoSQL key-value stores and scheduling.

This book is the product of a unique collaboration by experts from leading international, regional and national agencies and professional organizations discussing on the current 'hot' issue on the judicious use and safety of radiation in radiology. There have been several cases involving radiation overexposure that have received international attention. Strategies and solutions to guide readers how to maximize the benefits and minimize the risks when using radiation in medicine are covered.

*Big Data to Improve Strategic Network Planning in Airlines
Implementing Regulatory Impact Analysis in the Central
Government of Peru Case Studies 2014-16*

A Framework for Driving More Value from Data Assets,

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Technologies, and Tools

*a technical consultation and country action planning, 22–26
July 2019, Addis Ababa*

Executing Data Quality Projects

Healthcare, Wellness and Environmental Applications

The Practitioner's Guide to Data Quality Improvement

Data are of high quality ""if they are fit for their intended uses in operations, decision making and planning"" (J. M. Juran). Alternatively, the data are deemed of high quality if they correctly represent the real-world construct to which they refer. Furthermore, apart from these definitions, as data volume increases, the question of internal consistency within data becomes paramount, regardless of fitness for use for any external purpose, e.g. a person's age and birth date may conflict within different parts of a database. The first views can often be in disagreement, even about the same set of data used for the same purpose. This book discusses the concept as it related to business data processing, although of course other data

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have various quality issues as well. This book is your ultimate resource for Data Quality. Here you will find the most up-to-date information, analysis, background and everything you need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about Data Quality right away, covering: Data quality, Bit rot, Cleansing and Conforming Data, Data auditing, Data cleansing, Data corruption, Data integrity, Data profiling, Data quality assessment, Data quality assurance, Data Quality Firewall, Data truncation, Data validation, Data verification, Database integrity, Database preservation, DataCleaner, Declarative Referential Integrity, Digital continuity, Digital preservation, Dirty data, Entity integrity, Information quality, Link rot, One-for-one checking, Referential integrity, Soft error, Two pass verification, Validation rule, Abstraction (computer science), ADO.NET, ADO.NET data provider, WCF Data Services, Age-Based Content Rating System, Aggregate (Data Warehouse), Data archaeology, Archive site, Association rule learning,

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Atomicity (database systems), Australian National Data Service, Automated Tiered Storage, Automatic data processing, Automatic data processing equipment, BBC Archives, Bitmap index, British Oceanographic Data Centre, Business intelligence, Business Intelligence Project Planning, Change data capture, Chunked transfer encoding, Client-side persistent data, Clone (database), Cognos Reportnet, Commit (data management), Commitment ordering, The History of Commitment Ordering, Comparison of ADO and ADO.NET, Comparison of OLAP Servers, Comparison of structured storage software, Computer-aided software engineering, Concurrency control, Conference on Innovative Data Systems Research, Consumer Relationship System, Content Engineering, Content format, Content inventory, Content management, Content Migration, Content re-appropriation, Content repository, Control break, Control flow diagram, Copyright, Core Data, Core data integration, Customer data management, DAMA, Dashboard (business), Data, Data access, Data aggregator, Data architect, Data architecture, Data

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bank, Data binding, Data center, Data classification (data management), Data conditioning, Data custodian, Data deduplication, Data dictionary, Data Domain (corporation), Data exchange, Data extraction, Data field, Data flow diagram, Data governance, Data independence, Data integration, Data library, Data maintenance, Data management, Data management plan, Data mapping, Data migration, Data processing system, Data proliferation, Data recovery, Data Reference Model, Data retention software, Data room, Data security, Data set (IBM mainframe), Data steward, Data storage device, Data Stream Management System, Data Transformation Services, Data Validation and Reconciliation, Data virtualization, Data visualization, Data warehouse, Database administration and automation...and much more This book explains in-depth the real drivers and workings of Data Quality. It reduces the risk of your technology, time and resources investment decisions by enabling you to compare your understanding of Data Quality with the objectivity of experienced professionals.

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Human Resources used to be about recruiting good people, preparing them for assignments, motivating them to perform, and retaining them. Do these things well and your well-oiled machine will operate as planned. But in today's turbulent and increasingly broadening economy, HR must go beyond its traditional focus if a company is to also expand and become as far-reaching as the times are trying to take it. While the core plan of recruit, prepare, motivate, and retain is still essential, High-Impact Human Capital Strategy examines 12 critical forces that must also be evaluated and maximized if a company is to continue its success, including: globalization, changes in workforce demographics, skill shortages and mismatches in labor markets, environmental matters, and more. Readers will learn how to design human capital programs that:

- Incorporate each of the 12 critical forces into an effective overall plan
- Connect with business measures
- Achieve positive ROI
- Ensure critical talent is in place
- Boost engagement
- Address work/life balance and other social issues
- Reduce the need to outsource

Complete with

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case studies and step-by-step guidelines to help you move beyond the traditional focus of Human Resources, the indispensable plans of attack found in High-Impact Human Capital deliver measurable value in the face of ongoing challenges that are not going away.

Sensor Technologies: Healthcare, Wellness and Environmental Applications explores the key aspects of sensor technologies, covering wired, wireless, and discrete sensors for the specific application domains of healthcare, wellness and environmental sensing. It discusses the social, regulatory, and design considerations specific to these domains. The book provides an application-based approach using real-world examples to illustrate the application of sensor technologies in a practical and experiential manner. The book guides the reader from the formulation of the research question, through the design and validation process, to the deployment and management phase of sensor applications. The processes and examples used in the book are primarily based on research carried out by Intel or

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joint academic research programs. "Sensor Technologies: Healthcare, Wellness and Environmental Applications provides an extensive overview of sensing technologies and their applications in healthcare, wellness, and environmental monitoring. From sensor hardware to system applications and case studies, this book gives readers an in-depth understanding of the technologies and how they can be applied. I would highly recommend it to students or researchers who are interested in wireless sensing technologies and the associated applications." Dr. Benny Lo Lecturer, The Hamlyn Centre, Imperial College of London "This timely addition to the literature on sensors covers the broad complexity of sensing, sensor types, and the vast range of existing and emerging applications in a very clearly written and accessible manner. It is particularly good at capturing the exciting possibilities that will occur as sensor networks merge with cloud-based 'big data' analytics to provide a host of new applications that will impact directly on the individual in ways we cannot fully

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predict at present. It really brings this home through the use of carefully chosen case studies that bring the overwhelming concept of 'big data' down to the personal level of individual life and health." Dermot Diamond Director, National Centre for Sensor Research, Principal Investigator, CLARITY Centre for Sensor Web Technologies, Dublin City University "Sensor Technologies: Healthcare, Wellness and Environmental Applications takes the reader on an end-to-end journey of sensor technologies, covering the fundamentals from an engineering perspective, introducing how the data gleaned can be both processed and visualized, in addition to offering exemplar case studies in a number of application domains. It is a must-read for those studying any undergraduate course that involves sensor technologies. It also provides a thorough foundation for those involved in the research and development of applied sensor systems. I highly recommend it to any engineer who wishes to broaden their knowledge in this area!" Chris Nugent Professor of Biomedical Engineering, University of Ulster

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Early childhood educators are keenly aware of the importance of a child's transition to "real school." This transition is occurring earlier in a child's life now that school districts nationwide are moving to pre-kindergarten experiences for 3- and 4-year olds. Annually, more than one million children attend public school pre-k programs overseen by elementary school principals who, although veteran educational leaders, were not trained to oversee these programs. Although pre-k classrooms are rapidly growing and deserve special attention, school leaders must be reminded that early childhood means more than pre-kindergarten; it extends through third grade. School leadership needs to understand the principles of early childhood education to effectively support all children age three to grade three. Professional and Ethical Consideration for Early Childhood Leaders is a collection of innovative research that crafts an overall understanding of the importance of early childhood leadership in today's schools. The book employs strategies to improve support for children

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in early childhood years, examines the different roles of early childhood leadership, analyzes best practices for implementation in early childhood contexts, and explores improvements for leadership preparation for schools with pre-k through third-grade children. While highlighting a wide range of topics including advocacy, cultural responses, and professional development, this publication is ideally designed for educators, administrators, principals, early childhood development teachers, daycare instructors, curriculum developers, advocates, researchers, academicians, and students.

Radiological Safety and Quality

Emerging Technologies with High Impact for Ocean Sciences, Ecosystem Management, and Environmental Conservation

The Transformers

Business Innovation in the Post-Crisis Era

Special Issue In Memory of Univ. Prof. Dr. Roland Wagner

Applied Insurance Analytics

Selected papers of the 18th East European Conference on

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Advances in Databases and Information Systems and Associated
Satellite Events, ADBIS 2014 Ohrid, Macedonia, September
7-10, 2014 Proceedings II

Developing High Quality Data Models provides an introduction to the key principles of data modeling. It explains the purpose of data models in both developing an Enterprise Architecture and in supporting Information Quality; common problems in data model development; and how to develop high quality data models, in particular conceptual, integration, and enterprise data models. The book is organized into four parts. Part 1 provides an overview of data models and data modeling including the basics of data model notation; types and uses of data models; and the place of data models in enterprise architecture. Part 2 introduces some general principles for data models, including principles for developing ontologically based data models; and applications of the principles for attributes, relationship types, and entity types. Part 3 presents an ontological framework for developing consistent data models. Part 4 provides the full data model that has been in development throughout the book. The model was created using Jotne EPM Technologys

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EDMVisualExpress data modeling tool. This book was designed for all types of modelers: from those who understand data modeling basics but are just starting to learn about data modeling in practice, through to experienced data modelers seeking to expand their knowledge and skills and solve some of the more challenging problems of data modeling. Uses a number of common data model patterns to explain how to develop data models over a wide scope in a way that is consistent and of high quality Offers generic data model templates that are reusable in many applications and are fundamental for developing more specific templates Develops ideas for creating consistent approaches to high quality data models

The Practitioner's Guide to Data Quality Improvement offers a comprehensive look at data quality for business and IT, encompassing people, process, and technology. It shares the fundamentals for understanding the impacts of poor data quality, and guides practitioners and managers alike in socializing, gaining sponsorship for, planning, and establishing a data quality program. It demonstrates how to institute and run a data quality program, from first thoughts and justifications to

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maintenance and ongoing metrics. It includes an in-depth look at the use of data quality tools, including business case templates, and tools for analysis, reporting, and strategic planning. This book is recommended for data management practitioners, including database analysts, information analysts, data administrators, data architects, enterprise architects, data warehouse engineers, and systems analysts, and their managers. Offers a comprehensive look at data quality for business and IT, encompassing people, process, and technology. Shows how to institute and run a data quality program, from first thoughts and justifications to maintenance and ongoing metrics. Includes an in-depth look at the use of data quality tools, including business case templates, and tools for analysis, reporting, and strategic planning.

"This book provides research on the current actions being taken by developing countries toward the design, development, and implementation of e-government policies"--Provided by publisher. This valuable resource helps institutional leaders understand and implement a data strategy at their college or university that maximizes benefits to all creators and users of data.

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Exploring key considerations necessary for coordination of fragmented resources and the development of an effective, cohesive data strategy, this book brings together professionals from different higher education experiences and perspectives, including academic, administration, institutional research, information technology, and student affairs. Focusing on critical elements of data strategy and governance, each chapter in *Data Strategy in Colleges and Universities* helps higher education leaders address a frustrating problem with much-needed solutions for fostering a collaborative, data-driven strategy.

Smart Data

National Strategy for the Development of Statistics (NSDS).

Method Support for Enterprise Architectures Management

Transactions on Large-Scale Data- and Knowledge-Centered Systems

XLVIII

4th International Conference, DATA 2015, Colmar, France, July 20-22, 2015, Revised Selected Papers

Web Information Systems Engineering - WISE 2014 Workshops

15th International Conference, WEBIST 2019, Vienna, Austria, September 18-20, 2019, Revised Selected Papers

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Big data has become an important success driver in airline network planning. Maximilian Schosser explores the status quo of network planning across a case study group consisting of nine airlines representing different business models. The author describes 23 big data opportunities for airline network planning and evaluates them based on their specific value contribution for airline network planning. Subsequently, he develops a financial evaluation methodology for big data opportunities based on key performance indicators for airline network planning departments.

The use of technology in health sciences has a direct impact on health outcomes, as well as on the quality and the safety of healthcare processes. In addition, the use of new technological developments in medical education has proven to be greatly effective and creates realistic learning environments to experience procedures and devices that will become common in medical practice. However, bringing new technologies into the health sector is a complex task, which is why a comprehensive vision of the health sciences ecosystem (encompassing many different areas of research) is vital. Technological Adoption

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and Trends in Health Sciences Teaching, Learning, and Practice obtains an overview of the technological trends within the health sciences ecosystem, identifies the strengths and weaknesses of the research presented to date, and depicts possible future research directions within health science education and practice. Covering topics such as artificial intelligence and online laboratories, it is ideal for health sciences educators and practitioners, technological solution providers, health organizations, health and care workers, regulators, governing bodies, researchers, academicians, and students.

This book constitutes the thoroughly refereed proceedings of the Fourth International Conference on Data Technologies and Applications, DATA 2015, held in Colmar, France, in July 2015. The 9 revised full papers were carefully reviewed and selected from 70 submissions. The papers deal with the following topics: databases, data warehousing, data mining, data management, data security, knowledge and information systems and technologies; advanced application of data.

This report looks at Peru's progress in adopting regulatory

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impact analysis (RIA). Based on an analysis of how regulations are issued in five Peruvian ministries, it evaluates the extent to which the building blocks of an RIA system are in place.

Experimental Robotics

Sensor Technologies

Capability Management Guide

Data Quality: High-impact Strategies - What You Need to Know

Spatial Data Quality

Ten Steps to Quality Data and Trusted Information (TM)

Establishing Regulatory Impact Assessment in Mauritius

FAO has supported member countries to carry out their national agricultural censuses since 1945, through the development and dissemination of international standards, concepts, definitions and methodologies as well as technical assistance. In 2015, FAO published Volume 1 of the World Programme for the Census of Agriculture 2020 (WCA 2020) “Programme, concepts and definitions”, the tenth decennial programme that provides guidelines for implementation of national agricultural censuses in the 2016-2025 decade. Volume 1 deals with the methodological and conceptual aspects of the census of agriculture. In addition to the use of international standards, the proper conduct of an

agricultural census also depends on adequate planning, implementation, use of resources and quality assurance throughout all stages of the census. In light of this, Volume 2 of WCA 2020 “Operational guidelines” has been designed to guide national census practitioners responsible for conducting the agricultural census. It deals with the practical steps involved in actually conducting an agricultural census in the field. Volume 2 is a revised and updated edition of “Conducting Agricultural Censuses and Surveys”, published by FAO in 1996. The revision is opportune not only in view of the recent publication of the new census programme and methodology but also in view of the substantial changes witnessed in the census technological environment over the last two decades. The availability of digital, mobile and more affordable tools for data capture, geo-positioning, remote sensing imaging, digital archiving and online dissemination have provided new cost-effective alternatives to traditional ways of conducting the agricultural census.

**Developing High Quality Data Models
World Programme for the Census of Agriculture 2020
Paradigms in Leadership and Innovation
New Trends in Database and Information Systems II
Perspectives in Business Informatics Research**

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Text and Review

E-Government Implementation and Practice in Developing Countries