1. Record Nr. UNINA9910437565703321

Titolo	Handbook of Data Quality : Research and Practice / / edited by Shazia Sadiq
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	9783642362576 3642362575
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (xii, 438 pages) : illustrations (some color)
Collana	Gale eBooks
Altri autori (Persone)	SadiqShazia
Disciplina	004 005.7 005.74 025.04
Soggetti	Database management Information storage and retrieval systems Electronic data processing - Management Data structures (Computer science) Information theory Information technology - Management Database Management Information Storage and Retrieval IT Operations Data Structures and Information Theory Business IT Infrastructure
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Research and Practice in Data Quality Management -- Data Quality Management Past, Present, and Future: Towards a Management System for Data -- Data Quality Projects and Programs -- On the Evolution of Data Governance in Firms: The Case of Johnson & Johnson Consumer Products North America -- Cost and Value Management for Data Quality -- Data Warehouse Quality: Summary and Outlook -- Using Semantic Web Technologies for Data Quality Management -- Data

Glitches: Monsters in your Data -- Generic and Declarative Approaches to Data Quality Management -- Linking Records in Complex Context -- A Practical Guide to Entity Resolution with OYSTER -- Managing Quality of Probabilistic Databases -- Data Fusion: Resolving Conflicts from Multiple Sources -- Ensuring the Quality of Health Information: The Canadian Experience -- Shell's Global Data Quality Journey -- Creating an Information Centric Organisation Culture at SBI General Insurance -- Epilogue: The Data Quality Profession.

Sommario/riassunto

The issue of data quality is as old as data itself. However, the proliferation of diverse, large-scale and often publically available data on the Web has increased the risk of poor data quality and misleading data interpretations. On the other hand, data is now exposed at a much more strategic level e.g. through business intelligence systems, increasing manifold the stakes involved for individuals, corporations as well as government agencies. There, the lack of knowledge about data accuracy, currency or completeness can have erroneous and even catastrophic results. With these changes, traditional approaches to data management in general, and data quality control specifically, are challenged. There is an evident need to incorporate data quality considerations into the whole data cycle, encompassing managerial/governance as well as technical aspects. Data quality experts from research and industry agree that a unified framework for data quality management should bring together organizational, architectural and computational approaches. Accordingly, Sadiq structured this handbook in four parts: Part I is on organizational solutions, i.e. the development of data quality objectives for the organization, and the development of strategies to establish roles, processes, policies, and standards required to manage and ensure data quality. Part II, on architectural solutions, covers the technology landscape required to deploy developed data quality management processes, standards and policies. Part III, on computational solutions, presents effective and efficient tools and techniques related to record linkage, lineage and provenance, data uncertainty, and advanced integrity constraints. Finally, Part IV is devoted to case studies of successful data quality initiatives that highlight the various aspects of data quality in action. The individual chapters present both an overview of the respective topic in terms of historical research and/or practice and state of the art, as well as specific techniques, methodologies and frameworks developed by the individual contributors. Researchers and students of computer science, information systems, or business management as well as data professionals and practitioners will benefit most from this handbook by not only focusing on the various sections relevant to their research area or particular practical work, but by also studying chapters that they may initially consider not to be directly relevant to them, as there they will learn about new perspectives and approaches.

2. Record Nr. UNINA9910890816303321

Titolo	HIV immunology and HIV/SIV vaccine databases
Pubbl/distr/stampa	Los Alamos, N.M., : Los Alamos National Laboratory, Theoretical Biology and Biophysics Group T-10, 2003-
Descrizione fisica	1 online resource
Disciplina	616.97
Soggetti	AIDS (Disease) HIV (Viruses) Antigenic determinants Nucleotide sequence Amino acid sequence HIV - immunology HIV - genetics Simian Immunodeficiency Virus - immunology Simian Immunodeficiency Virus - genetics Molecular Sequence Data AIDS Vaccines Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico