

Data Quality

**Richard Y. Wang
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Kluwer Academic Publishers

Data Quality Advances In Database Systems

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Data Quality Advances In Database Systems:

Data Quality Yng-Yuh Richard Wang, Richard Y. Wang, Mostapha Ziad, Yang W. Lee, 2001 Data Quality provides an exposé of research and practice in the data quality field for technically oriented readers. It is based on the research conducted at the MIT Total Data Quality Management TDQM program and work from other leading research institutions. This book is intended primarily for researchers, practitioners, educators, and graduate students in the fields of Computer Science, Information Technology, and other interdisciplinary areas. It forms a theoretical foundation that is both rigorous and relevant for dealing with advanced issues related to data quality. Written with the goal to provide an overview of the cumulated research results from the MIT TDQM research perspective as it relates to database research, this book is an excellent introduction to Ph.D. who wish to further pursue their research in the data quality area. It is also an excellent theoretical introduction to IT professionals who wish to gain insight into theoretical results in the technically oriented data quality area and apply some of the key concepts to their practice.

Database Systems for Advanced Applications Weiyi Meng, Ling Feng, Stephane Bressan, Werner Winiwarter, Wei Song, 2013-04-17 This two volume set LNCS 7825 and LNCS 7826 constitutes the refereed proceedings of the 18th International Conference on Database Systems for Advanced Applications DASFAA 2013 held in Wuhan, China, in April 2013. The 51 revised full papers and 10 short papers presented together with 2 invited keynote talks, 1 invited paper, 3 industrial papers, 9 demo presentations, 4 tutorials, and 1 panel paper were carefully reviewed and selected from a total of 227 submissions. The topics covered in part 1 are social networks, query processing, nearest neighbor search, index query analysis, XML data management, privacy protection, and uncertain data management, and in part 2 graph data management, physical design, knowledge management, temporal data management, social networks, query processing, data mining applications, and database applications.

Database Systems for Advanced Applications Lei Chen, Chengfei Liu, Qing Liu, Ke Deng, 2009-09-03 This book constitutes the workshop proceedings of the 14th International Conference on Database Systems for Advanced Applications DASFAA 2009 held in Brisbane, Australia, in April 2009. The volume contains six workshops, each focusing on specific research issues that contribute to the main themes of the DASFAA conference: The First International Workshop on Benchmarking of XML and Semantic Web Applications BenchmarkX 09, The Second International Workshop on Managing Data Quality in Collaborative Information Systems MCIS 09, The 1st International Workshop on Data and Process Provenance WDPP 09, The First International Workshop on Privacy Preserving Data Analysis PPDA 09, The First International Workshop on Mobile Business Collaboration MBC 09, and the First Ph.D. Workshop.

Database Systems for Advanced Applications Jianliang Xu, Ge Yu, Shuigeng Zhou, Rainer Unland, 2011-04-06 This book constitutes the workshop proceedings of the 16th International Conference on Database Systems for Advanced Applications DASFAA 2011 held in Hong Kong, China, in April 2011. The volume contains six workshops, each focusing on specific research issues that contribute to the main themes of the DASFAA conference: The First International Workshop on Graph structured Data Bases GDB 2011.

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Workshop on Information Technologies for Maritime and Logistics ITEMS 2012 the Third International Workshop on Social Networks and Social Media Mining on the Web SNSMW 2012 the Second International Workshop on Spatial Information Modeling Management and Mining SIM3 2012 and the Fifth International Workshop on Data Quality in Integration Systems DQIS 2012

Data Quality Carlo Batini, Monica Scannapieco, 2006-09-27 Poor data quality can seriously hinder or damage the efficiency and effectiveness of organizations and businesses The growing awareness of such repercussions has led to major public initiatives like the Data Quality Act in the USA and the European 2003 98 directive of the European Parliament Batini and Scannapieco present a comprehensive and systematic introduction to the wide set of issues related to data quality They start with a detailed description of different data quality dimensions like accuracy completeness and consistency and their importance in different types of data like federated data web data or time dependent data and in different data categories classified according to frequency of change like stable long term and frequently changing data The book s extensive description of techniques and methodologies from core data quality research as well as from related fields like data mining probability theory statistical data analysis and machine learning gives an excellent overview of the current state of the art The presentation is completed by a short description and critical comparison of tools and practical methodologies which will help readers to resolve their own quality problems This book is an ideal combination of the soundness of theoretical foundations and the applicability of practical approaches It is ideally suited for everyone researchers students or professionals interested in a comprehensive overview of data quality issues In addition it will serve as the basis for an introductory course or for self study on this topic

Database Systems for Advanced Applications Matthias Renz, Cyrus Shahabi, Xiaofang Zhou, Muhammad Aamir Cheema, 2015-04-08 This two volume set LNCS 9049 and LNCS 9050 constitutes the refereed proceedings of the 20th International Conference on Database Systems for Advanced Applications DASFAA 2015 held in Hanoi Vietnam in April 2015 The 63 full papers presented were carefully reviewed and selected from a total of 287 submissions The papers cover the following topics data mining data streams and time series database storage and index spatio temporal data modern computing platform social networks information integration and data quality information retrieval and summarization security and privacy outlier and imbalanced data analysis probabilistic and uncertain data query processing

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