

## Sql Queries Collection For Quality Center Hp Alm Live Sql Queries For Qa Testing Resources

Proceedings of the 28th Annual International Conference on Very Large Data Bases held in Hong Kong, China on August 20-23, 2002. Organized by the VLDB Endowment. VLDB is the premier international conference on database technology.

Christian Fürber investigates the useful application of semantic technologies for the area of data quality management. Based on a literature analysis of typical data quality problems and typical activities of data quality management processes, he develops the Semantic Data Quality Management framework as the major contribution of this thesis. The SDQM framework consists of three components that are evaluated in two different use cases. Moreover, this thesis compares the framework to conventional data quality software. Besides the framework, this thesis delivers important theoretical findings, namely a comprehensive typology of data quality problems, ten generic data requirement types, a requirement-centric data quality management process, and an analysis of related work.

Technologies such as the Internet and mobile commerce bring with them ubiquitous connectivity, real-time access, and overwhelming volumes of data and information. The growth of data warehouses and communication and information technologies has increased the need for high information quality management in organizations. Information Quality Management: Theory and Applications provides solutions to information quality problems becoming increasingly prevalent.Information Quality Management: Theory and Applications provides insights and support for professionals and researchers working in the field of information and knowledge management, information quality, practitioners and managers of manufacturing, and service industries concerned with the management of information.

This book examines the risks and solutions to improve the security and quality of complex cyber-physical systems (C-CPS), such as production systems, power plants, and airplanes, in order to ascertain whether it is possible to protect engineering organizations against cyber threats and to ensure engineering project quality. The book consists of three parts that logically build upon each other. Part I "Product Engineering of Complex Cyber-Physical Systems" discusses the structure and behavior of engineering organizations producing complex cyber-physical systems, providing insights into processes and engineering activities, and highlighting the requirements and border conditions for secure and high-quality engineering. Part II "Engineering Quality Improvement" addresses quality improvements with a focus on engineering data generation, exchange, aggregation, and use within an engineering organization, and the need for proper data modeling and engineering-result validation. Lastly, Part III "Engineering Security Improvement" considers security aspects concerning C-CPS engineering, including engineering organizations', security assessments and engineering data management, security concepts and technologies that may be leveraged to mitigate the manipulation of engineering data, as well as design and run-time aspects of secure complex cyber-physical systems. The book is intended for several target groups: it enables computer scientists to identify research issues related to the development of new methods, architectures, and technologies for improving quality and security in multi-disciplinary engineering, pushing forward the current state of the art. It also allows researchers involved in the engineering of C-CPS to gain a better understanding of the challenges and requirements of multi-disciplinary engineering that will guide them in their future research and development activities. Lastly, it offers practicing engineers and managers with engineering backgrounds insights into the benefits and limitations of applicable methods, architectures, and technologies for selected use cases.

Fuzzing for Software Security Testing and Quality Assurance

Handbook of Research on Fuzzy and Rough Set Theory in Organizational Decision Making

5th International Conference, SWQD 2013, Vienna, Austria, January 15-17, 2013, Proceedings

Cloud Computing Applications for Quality Health Care Delivery

Applications to Electrical, Electronics and Computer Science and Engineering

The Practitioner's Guide to Data Quality Improvement

Software Quality, Increasing Value in Software and Systems Development

**LIVE SQL queries for Quality Center - HP ALM that quality assurance & testing resources can leverage immediately for generating excel reports for business view in QC/HP ALM Analysis View module; output of which can be sent to Enterprise QA Management, Stakeholders & leadership for further action plan.**

**It is a great pleasure to share with you the Springer CCIS proceedings of the First International Conference on Reforming Education, Quality of Teaching and Technology-Enhanced Learning: Learning Technologies, Quality of Education, Educational Systems, Evaluation, Pedagogies—TECH-EDUCATION 2010, which was a part of the World Summit on the Knowledge Society Conference Series. TECH-EDUCATION 2010 was a bold effort aiming to foster a debate on the global need in our times to invest in education. The topics of the conference dealt with six general pillars: Track 1. Quality of Education—A New Vision Track 2. Technology-Enhanced Learning—Learning Technologies—Personalization-E-learning Track 3. Educational Strategies Track 4. Collaborative/ Constructive/ Pedagogical/ Didactical Approaches Track 5. Formal/ Informal/ and Life-Long Learning Perspectives Track 6. Contribution of Education to Sustainable Development Within this general context the Program Committee of the conference invited contributions that fall in to the following list of topics. Track 1: Quality of the Education—A New Vision • Teaching Methodologies and Case Studies • Reforms in Degrees • The European Educational Space • Academic Curricula Designs • Quality of Teaching and Learning • Quality and Academic Assessment • The School / University of the Future • Challenges for Higher Education in the 21st Century • New Managerial Models for Education • Financing the New Model for Education of the 21st Century • The Quality Milestones for Education of the 21st Century • Evaluation in Academia • The Role of Teachers • International Collaborations for Joint Programs/Degrees • Industry–Academia Synergies • Research Laboratories Management**

**Software applications once held on local computers and servers are beginning to shift to the public Internet sphere, and private health information is no exception. The likelihood of placing once restricted and private health records “in the cloud” is increasing. Cloud Computing Applications for Quality Health Care Delivery focuses on cloud technologies that could affect quality in the healthcare field. Leading experts in this area offer their knowledge and contribute to the demystification of healthcare in the Cloud. This publication will prove to be a useful tool for undergraduate and graduate students of healthcare quality and management, healthcare managers, and industry professionals.**

**Ready to unlock the power of your data? With this comprehensive guide, you'll learn how to build and maintain reliable, scalable, distributed systems with Apache Hadoop. This book is ideal for programmers looking to analyze datasets of any size, and for administrators who want to set up and run Hadoop clusters. You'll find illuminating case studies that demonstrate how Hadoop is used to solve specific problems. This third edition covers recent changes to Hadoop, including material on the new MapReduce API, as well as MapReduce 2 and its more flexible execution model (YARN). Store large datasets with the Hadoop Distributed File System (HDFS) Run distributed computations with MapReduce Use Hadoop's data and I/O building blocks for compression, data integrity, serialization (including Avro), and persistence Discover common pitfalls and advanced features for writing real-world MapReduce programs Design, build, and administer a dedicated Hadoop cluster—or run Hadoop in the cloud Load data from relational databases into HDFS, using Sqoop Perform large-scale data processing with the Pig query language Analyze datasets with Hive, Hadoop's data warehousing system Take advantage of HBase for structured and semi-structured data, and Zookeeper for building distributed systems**

SQL Queries Collection for Quality Center - Hp Alm

Intelligent Environmental Data Monitoring for Pollution Management

Security and Quality in Cyber-Physical Systems Engineering

18th International Working Conference, REFSQ 2012, Essen, Germany, March 2012, Proceedings

18th International Conference, CAiSE 2006, Luxembourg, Luxembourg, June 5-9, 2006, Proceedings

Developing Quality Complex Database Systems: Practices, Techniques and Technologies

Flexible Query Answering Systems

During the last one and a half decades, wireless sensor networks have witnessed significant growth and tremendous development in both academia and industry. “The Art of Wireless Sensor Networks: Volume 1: Fundamentals” focuses on the fundamentals concepts in the design, analysis, and implementation of wireless sensor networks. It covers the various layers of the lifecycle of this type of network from the physical layer up to the application layer. Its rationale is that the first volume covers contemporary design issues, tools, and protocols for radio-based two-dimensional terrestrial sensor networks. All the book chapters in this volume include up-to-date research work spanning various classic facets of the physical properties and functional behavior of wireless sensor networks, including physical layer, medium access control, data routing, topology management, mobility management, localization, task management, data management, data gathering, security, middleware, sensor technology, standards, and operating systems. This book will be an excellent source of information for both senior undergraduate and graduate students majoring in computer science, computer engineering, electrical engineering, or any related discipline. In addition, computer scientists, researchers, and practitioners in both academia and industry will find this book useful and interesting.

SQL Queries Collection for Quality Center - Hp AlmsQL Queries for Leverage by Qa Testing Teams Globally.

This book constitutes the proceedings of the 22nd International Working Conference on Requirements Engineering – Foundation for Software Quality, REFSQ 2016, held in Gothenburg, Sweden, in March 2016. The 16 full papers and 5 short papers presented in this volume were carefully reviewed and selected from 64 submissions. The papers were organized in topical sections named: decision making in requirements engineering; open source in requirements engineering; natural language; compliance in requirements engineering; requirements engineering in the automotive domain; empirical studies in requirements engineering; requirements engineering foundations; human factors in requirements engineering; and research methodology in requirements engineering.

This book constitutes the refereed proceedings of the 18th International Conference on Advanced Information Systems Engineering, CAiSE 2006, held in Luxembourg, in June 2006. The book presents 33 revised full papers together with 3 keynote talks. The papers are organized in topical sections on security, conceptual modeling, queries, document conceptualization, service composition, workflow, business modeling, configuration and separation, business process modeling, agent orientation, and requirements management.

Urban Sprawl Modeling, Air Quality Monitoring, and Risk Communication

Dimensions, Measurement, Strategy, Management, and Governance

Proceedings of the DASFAA 2008 Workshops

The Art of Wireless Sensor Networks

Computation, Cryptography, and Network Security

Knowledge Engineering and Semantic Web

Information Quality Management

Do your product dashboards look funky? Are your quarterly reports stale? Is the data set you're using broken or just plain wrong? These problems affect almost every team, yet they're usually addressed on an ad hoc basis and in a reactive manner. If you answered yes to these questions, this book is for you. Many data engineering teams today face the "good pipelines, bad data" problem. It doesn't matter how advanced

your data infrastructure is if the data you're piping is bad. In this book, Barr Moses, Lior Gavish, and Molly Vorwerck, from the data observability company Monte Carlo, explain how to tackle data quality and trust at scale by leveraging best practices and technologies used by some of the world's most innovative companies. Build more trustworthy and reliable data pipelines Write scripts to make data checks and identify broken pipelines with data observability Learn how to set and maintain data SLAs, SLOs, and SLOs Develop and lead data quality initiatives at your company Learn how to treat data services and systems with the diligence of production software Automate data lineage graphs across your data ecosystem Build anomaly detectors for your critical data assets

This book discusses reliability applications for power systems, renewable energy and smart grids and highlights trends in reliable communication, fault-tolerant systems, VLSI system design and embedded systems. Further, it includes chapters on software reliability and other computer engineering and software management-related disciplines, and also examines areas such as big data analytics and ubiquitous computing. Outlining novel, innovative concepts in applied areas of reliability in electrical, electronics and computer engineering disciplines, it is a valuable resource for researchers and practitioners of reliability theory in circuit-based engineering domains.

Poor quality continues to bedevil large-scale development projects, but few software leaders and practitioners know how to measure quality, select quality best practices, or cost-justify their usage. In The Economics of Software Quality, leading software quality experts Capers Jones and Jitendra Subramanyam show how to systematically measure the economic impact of quality and how to use this information to deliver far more business value. Using empirical data from hundreds of software organizations, Jones and Subramanyam show how integrated inspection, static analysis, and testing can achieve defect removal rates exceeding 95 percent. They offer innovative guidance for predicting and measuring defects and quality, choosing defect prevention, pre-test defect removal, and testing methods; and optimizing post-release defect reporting and repair. This book will help you Prove that improved software quality translates into strongly positive ROI and greatly reduced COO Drive better results from current investments in debugging and prevention Use quality techniques to stay on schedule and on budget Avoid "hazardous" metrics that lead to poor decisions Important note: The audio and video content included with this enhanced eBook can be viewed only using iBooks on an iPad, iPhone, or iPod touch.

With more than 150 detailed recipes, this cookbook shows experienced Clojure developers how to solve a variety of programming tasks with this JVM language. The solutions cover everything from building dynamic websites and working with databases to network communication, cloud computing, and advanced testing strategies. And more than 60 of the world's best Clojurians contributed recipes. Each recipe includes code that you can use right away, along with a discussion on how and why the solution works, so you can adapt these patterns, approaches, and techniques to situations not specifically covered in this cookbook. Master built-in primitive and composite data structures Create, develop and publish libraries, using the Leiningen tool Interact with the local computer that's running your application Manage network communication protocols and libraries Use techniques for connecting to and using a variety of databases Build and maintain dynamic websites, using the Ring HTTP server library Tackle application tasks such as packaging, distributing, profiling, and logging Take on cloud computing and heavyweight distributed data crunching Dive into unit, integration, simulation, and property-based testing Clojure Cookbook is a collaborative project with contributions from some of the world's best Clojurians, whose backgrounds range from aerospace to social media, banking to robotics, AI research to e-commerce.

Foundations of Data Quality Management

Volume 1: Fundamentals

SQL Queries for Leverage by Qa Testing Teams Globally.

EUROSTRUCT 2021

Theory and Applications

28th International Conference on Very Large Databases (VLDB)

22nd International Working Conference, REFSQ 2016, Gothenburg, Sweden, March 14-17, 2016, Proceedings

**Analysis, assessment, and data management are core competencies for operation research analysts. This volume addresses a number of issues and developed methods for improving those skills. It is an outgrowth of a conference held in April 2013 at the Hellenic Military Academy, and brings together a broad variety of mathematical methods and theories with several applications. It discusses directions and pursuits of scientists that pertain to engineering sciences. It is also presents the theoretical background required for algorithms and techniques applied to a large variety of concrete problems. A number of open questions as well as new future areas are also highlighted. This book will appeal to operations research analysts, engineers, community decision makers, academics, the military community, practitioners sharing the current "state-of-the-art," and analysts from coalition partners. Topics covered include Operations Research, Games and Control Theory, Computational Number Theory and Information Security, Scientific Computing and Applications, Statistical Modeling and Applications, Systems of Monitoring and Spatial Analysis.**

**Learn the code cracker's malicious mindset, so you can find worn-size holes in the software you are designing, testing, and building. Fuzzing for Software Security Testing and Quality Assurance takes a weapon from the black-hat arsenal to give you a powerful new tool to build secure, high-quality software. This practical resource helps you add extra protection without adding expense or time to already tight schedules and budgets. The book shows you how to make fuzzing a standard practice that integrates seamlessly with all development activities. This comprehensive reference goes through each phase of software development and points out where testing and auditing can tighten security. It surveys all popular commercial fuzzing tools and explains how to select the right one for a software development project. The book also identifies those cases where commercial tools fall short and when there is a need for building your own fuzzing tools.**

**This book constitutes the refereed proceedings of the 12th International Conference on Flexible Query Answering Systems, FQAS 2017, held in London, UK, in June 2017. The 21 full papers presented in this book together with 4 short papers were carefully reviewed and selected from 43 submissions. The papers cover the following topics: foundations of flexible querying; recommendation and ranking; technologies for flexible representation and querying; knowledge discovery and information/data retrieval; intuitionistic sets; and generalized net model.**

**Intelligent Environmental Data Monitoring for Pollution Management discusses evolving novel intelligent algorithms and their applications in the area of environmental data-centric systems guided by batch process-oriented data. Thus, the book ushers in a new era as far as environmental pollution management is concerned. It reviews the fundamental concepts of gathering, processing and analyzing data from batch processes, followed by a review of intelligent tools and techniques which can be used in this direction. In addition, it discusses novel intelligent algorithms for effective environmental pollution data management that are on par with standards laid down by the World Health Organization. Introduces novel intelligent techniques needed to address environmental pollution for the well-being of the global environment**

**Offers perspectives on the design, development and commissioning of intelligent applications Provides reviews on the latest intelligent technologies and algorithms related to state-of-the-art methodologies surrounding the monitoring and mitigation of environmental pollution Puts forth insights on future generation intelligent pollution monitoring techniques**

**Requirements Engineering: Foundation for Software Quality**

**Information Technology for Management: Towards Business Excellence**

**Challenges of Managing Information Quality in Service Organizations**

**Technology Enhanced Learning: Quality of Teaching and Educational Reform**

**6th International Conference, KESW 2015, Moscow, Russia, September 30 - October 2, 2015, Proceedings**

**Proceedings of the 1st Conference of the European Association on Quality Control of Bridges and Structures**

**Integrating Technology and Management for Quality of Care**

**Integrating Technology and Management for Quality of Care** discusses the credibility and efficiency of commercial and public endeavours. Also, the importance of managing data quality has increased manifold as the diversity of sources, formats and volume of data grows. This volume targets the data quality in the light of collaborative information systems where data creation and ownership is increasingly difficult to establish.

This newly revised and expanded second edition of the popular Artech House title, Fuzzing for Software Security Testing and Quality Assurance, provides practical and professional guidance on how and why to integrate fuzzing into the software development lifecycle. This edition introduces fuzzing as a process, goes through commercial tools, and explains what the customer requirements are for fuzzing. The advancement of evolutionary fuzzing tools, including American Fuzzy Lop (AFL) and the emerging full fuzz test automation systems are explored in this edition. Traditional software programmers and testers will learn how to make fuzzing a standard practice that integrates seamlessly with all development activities. It surveys all popular commercial fuzzing tools and explains how to select the right one for software development projects. This book is a powerful new tool to build secure, high-quality software taking a weapon from the malicious hacker's arsenal. This practical resource helps engineers find and patch flaws in software before harmful viruses, worms, and Trojans can use these vulnerabilities to rampage systems. The book shows how to make fuzzing a standard practice that integrates seamlessly with all development activities.

This book constitutes the refereed proceedings of the 18th International Working Conference on Requirements Engineering: Foundation for Software Quality, REFSQ 2012, held in Essen, Germany, in March 2012. The papers are organized in 10 topical sections on contractual requirements, quality requirements, collaboration, complexity and creativity, requirements analysis, templates and heuristics, requirements traceability, tools and quality, services and clouds, self-adaptivity, and industrial case studies.

"Incorrect and misleading information associated with an enterprise's production and service jeopardize both customer relationships and customer satisfaction, and ultimately have a negative effect on revenue. This book provides insight and support for academic professionals as well as for practitioners concerned with the management of information"—Provided by publisher.

1st International Conference, TECH-EDUCATION 2010, Athens, Greece, May 19-21, 2010, Proceedings

Data Quality

Information Quality and Governance for Business Intelligence

ER 2006 Workshops BP-UML, CoMoGIS, COSS, ECDM, OIS, QoIS, SemWAT, Tucson, AZ, USA, November 6-9, 2006, Proceedings

The Economics of Software Quality

Quality Management Implementation in Higher Education: Practices, Models, and Case Studies

Data Quality provides an expose 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. Business intelligence initiatives have been dominating the technology priority list of many organizations. However, the lack of effective information quality and governance strategies and policies has been meeting these initiatives with some challenges. Information Quality and Governance for Business Intelligence presents the latest exchange of academic research on all aspects of practicing and managing information using a multidisciplinary approach that examines its quality for organizational growth. This book is an essential reference tool for researchers, practitioners, and university students specializing in business intelligence, information quality, and information systems.

Although initially utilized in business and industrial environments, quality management systems can be adapted into higher education to assess and improve an institution's standards. These strategies are now playing a vital role in educational areas such as teaching, learning, and institutional-level practices. However, quality management tools and models must be adapted to fit with the culture of higher education. Quality Management Implementation in Higher Education: Practices, Models, and Case Studies is a pivotal reference source that explores the challenges and solutions to quality models in the current educational culture. Featuring research on topics such as Lean Six Sigma, distance education, and student supervision, this book is ideally designed for school board members, administrators, deans, policymakers, student supervisors, professors, graduate students, education professionals, and researchers seeking current research on the applications and success factors of quality management in higher education.

This book presents a contemporary view of the role of information quality in information fusion and decision making, and provides a formal foundation and the implementation strategies required for dealing with insufficient information quality in building fusion systems for decision making. Information fusion is the process of gathering, processing, and combining large amounts of information from multiple and diverse sources, including physical sensors to human intelligence reports and social media. That data and information may be unreliable, of low fidelity, inconsistent resolution, contradictory, fake and/or redundant. Sources may provide unverified reports obtained from other sources resulting in correlations and biases. The success of the fusion processing depends on how well knowledge produced by the processing chain represents reality, which in turn depends on how adequate data are, how good and adequate are the models used, and how accurate, appropriate or applicable prior and contextual knowledge is. By offering contributions by leading experts, this book provides an unparalleled understanding of the problem of information quality in information fusion and decision-making for researchers and professionals in the field.

Software Quality, Model-Based Approaches for Advanced Software and Systems Engineering

ICICT 2019 - System Reliability, Quality Control, Safety, Maintenance and Management

Proceedings 2002 VLDB Conference

Advances in Conceptual Modeling - Theory and Practice

Information Quality in Information Fusion and Decision Making

Fuzzing for Software Security Testing and Quality Assurance, Second Edition

12th International Conference, FQAS 2017, London, UK, June 21-22, 2017, Proceedings

**This book constitutes the refereed proceedings of the 6th Conference on Knowledge Engineering and the Semantic Web, KESW 2015, held in Moscow, Russia, in September/October 2015.The 17 revised full papers presented together with 6 short system descriptions were carefully reviewed andselected from 35 submissions. The papers address research issues related to semantic web, linked data, ontologies, natural language processing, knowledge representation.**

**This book constitutes the refereed proceedings of the 5th Software Quality Days Conference (SWQD) held in Vienna, Austria, in January 2013. This professional symposium and conference offers a range of comprehensive and valuable opportunities for advanced professional training, new ideas, and networking with a series of keynote speeches, professional lectures, exhibits, and tutorials. The seven scientific full papers accepted for SWQD were each peer-reviewed by three or more reviewers and selected out of 18 high-quality submissions. Further, two keynotes and six short papers on promising research directions were also presented and included in order to spark discussions between researchers and practitioners. The papers are organized into topical sections on risk management; software and systems testing; test processes; model-based development; and process improvement and measurement.**

**⚠️This is not the kind of book that you will read one time and be done with. So scan it quickly the first time through to get an idea of its breadth. Then dig in on one topic of special importance to your work. Finally, use it as a reference to guide your next steps, learn details, and broaden your perspective.⚠️ from the foreword by Thomas C. Redman, Ph.D., ⚠️The Data Doc⚠️ Good data is a source of myriad opportunities, while bad data is a tremendous burden. Companies that manage their data effectively are able to achieve a competitive advantage in the marketplace, while bad data, like cancer, can weaken and kill an organization. In this comprehensive book, Rupa Mahanti provides guidance on the different aspects of data quality with the aim to be able to improve data quality. Specifically, the book addresses: -Causes of bad data quality, bad data quality impacts, and importance of data quality to justify the case for data quality-Butterfly effect of data quality-A detailed description of data quality dimensions and their measurement-Data quality strategy approach-Six Sigma - DMAIC approach to data quality-Data quality management techniques-Data quality in relation to data initiatives like data migration, DDM, data governance, etc.-Data quality myths, challenges, and critical success factorsStudents, academicians, professionals, and researchers can all use the content in this book to further their knowledge and get guidance on their own specific projects. It balances technical details (for example, SQL statements, relational database components, data quality dimensions measurements) and higher-level qualitative discussions (cost of data quality, data quality strategy, data quality maturity, the case made for data quality, and so on) with case studies, illustrations, and real-world examples throughout.**

**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 maintenance and ongoing metrics. It includes an in-depth look at the 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.**

**Practices, Techniques and Technologies**

**15th Conference, ISM 2020, and FedCSIS-ISI 2020 Track, Held as Part of FedCSIS, Sofia, Bulgaria, September 6–9, 2020, Extended and Revised Selected Papers**

**Practices, Models, and Case Studies**

**Hadoop: The Definitive Guide**

**Data Quality Management with Semantic Technologies**

**6th International Conference, SWQD 2014, Vienna, Austria, January 14-16, 2014, Proceedings**

**Data Quality and High-dimensional Data Analysis**

Soft computing techniques are innovative tools that use nature-inspired algorithms to run predictive analysis of industries from business to software measurement. These tools have gained momentum in recent years for their practicality and flexibility. The Handbook of Research on Fuzzy and Rough Set Theory in Organizational Decision Making collects both empirical and applied research in the field of fuzzy set theory, and bridges the gap between the application of soft computational approaches and the organizational decision making process. This publication is a pivotal reference for business professionals, IT specialists, software engineers, and advanced students of business and information technology.

This book constitutes revised selected and extended papers presented at track 4 of the Conference on Computer Science and Intelligence Systems, FedCSIS 2020, which took place in Sofia, Bulgaria, during September 6–9, 2020. The FedCSIS Information Systems and Technologies Track included AIST 2020, DSH 2020, ISM 2020, and KAM 2020. For this track, a total of 29 submissions was received from which a total of 5 full and 3 short papers was accepted for publication in this volume. The papers were organized in topical sections named: improving project management methods; numerical methods of solving management problems; and technological infrastructure for business excellence.

This book constitutes the refereed proceedings of the 6th Software Quality Days Conference (SQD) held in Vienna, Austria, in January 2014. This professional symposium and conference offers a range of comprehensive and valuable opportunities for advanced professional training, new ideas and networking with a series of keynote speeches, professional lectures, exhibits and tutorials. The four scientific full papers accepted for SQD were each peer reviewed by three or more reviewers and selected out of 24 high-quality submissions. Further, one keynote and ten short papers on promising research directions were also presented and included in order to spark discussions between researchers and practitioners. The papers are organized into topical sections on software process improvement and measurement, requirements management, value-based software engineering, software and systems testing, automation-supported testing and quality assurance and collaboration.

Data quality is one of the most important problems in data management. A database system typically aims to support the creation, maintenance, and use of large amount of data, focusing on the quantity of data. However, real-life data are often dirty: inconsistent, duplicated, inaccurate, incomplete, or stale. Dirty data in a database routinely generate misleading or biased analytical results and decisions, and lead to loss of revenues, credibility and customers. With this comes the need for data quality management. In contrast to traditional data management tasks, data quality management enables the detection and correction of errors in the data, syntactic or semantic, in order to improve the quality of the data and hence, add value to business processes. While data quality has been a longstanding problem for decades, the prevalent use of the Web has increased the risks, on an unprecedented scale, of creating and propagating dirty data. This monograph gives an overview of fundamental issues underlying central aspects of data quality, namely, data consistency, data deduplication, data accuracy, data currency, and information completeness. We promote a uniform logical framework for dealing with these issues, based on data quality rules. The text is organized into seven chapters, focusing on relational data. Chapter One introduces data quality issues. A conditional dependency theory is developed in Chapter Two, for capturing data inconsistencies. It is followed by practical techniques in Chapter 2b for discovering conditional dependencies, and for detecting inconsistencies and repairing data based on conditional dependencies. Matching dependencies are introduced in Chapter Three, as matching rules for data deduplication. A theory of relative information completeness is studied in Chapter Four, revising the classical Closed World Assumption and the Open World Assumption, to characterize incomplete information in the real world. A data currency model is presented in Chapter Five, to identify the current values of entities in a database and to answer queries with the current values, in the absence of reliable timestamps. Finally, interactions between these data quality issues are explored in Chapter Six. Important theoretical results and practical algorithms are covered, but formal proofs are omitted. The bibliographical notes contain pointers to papers in which the results were presented and proven, as well as references to materials for further reading. This text is intended for a seminar course at the graduate level. It is also to serve as a useful resource for researchers and practitioners who are interested in the study of data quality. The fundamental research on data quality draws on several areas, including mathematical logic, computational complexity and database theory. It has raised as many questions as it has answered, and is a rich source of questions and vitality. Table of Contents: Data Quality: An Overview / Conditional Dependencies / Cleaning Data with Conditional Dependencies / Data Deduplication / Information Completeness / Data Currency

/ Interactions between Data Quality Issues

Recipes for Functional Programming

With Forewords by Robert M. Lee and Tom Gilb

Advanced Information Systems Engineering

Closure Cookbook

The Northeast Ohio Project

Data Quality Fundamentals

This book constitutes the refereed joint proceedings of seven international workshops held in conjunction with the 25th International Conference on Conceptual Modeling, ER 2006, in Tucson, AZ, USA in November 2006. The 39 revised full papers presented together with the outlines of three tutorials were carefully reviewed and selected from 95 submissions.

This book gathers the latest advances and innovations in the field of quality control and improvement of bridges and structures, as presented by international researchers and engineers at the 1st Conference of the European Association on Quality Control of Bridges and Structures (EUROSTRUCT 2021), held in Padua, Italy on August 29-September 1, 2021. Contributions include a wide range of topics such as testing and advanced diagnostic techniques for damage detection; SHM and AI, IoT and machine learning for data analysis of bridges and structures; fiberoptics and smart sensors for long-term SHM; structural reliability, risk, robustness, redundancy and resilience for bridges; corrosion models, fatigue analysis and impact of hazards on infrastructure components; bridge and asset management systems, and decision-making models; Life-Cycle Analysis, retrofit and service-life extension, risk management protocols; quality control plans, sustainability and green materials.

Developing Quality Complex Database Systems: Practices, Techniques and Technologies provides opportunities for improving today's database systems using innovative development practices, tools and techniques. An emphasis is placed on organizational and management issues.

The impact of information technology on the management of healthcare has been enormous in recent years, and it continues to grow in scope and complexity. This book presents papers from the 2014 International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), held in Athens, Greece, in July 2014. The book includes 79 full papers and 12 poster presentations as well as keynotes, two workshops and three tutorials. Papers are divided into sections including: clinical informatics; decision support and intelligent systems; e-learning and education; health informatics, information management and technology assessment; healthcare IT; mobile technology in healthcare; public health informatics and issues; social and legal issues; and telemedicine. The book will be of interest to all those whose work involves the use of biomedical and health informatics.