

Where To Download In Memory Business Analytics Solution Read Pdf Free

Encyclopedia of Business Analytics and Optimization Big Data In-Memory Analytics explained by SAP HANA Business Intelligence The Shortcut Guide to Achieving Business Intelligence in Midsize Companies Erfolgsfaktoren von Business-Intelligence-Technologien: Eine empirische Studie Open Source Data Warehousing and Business Intelligence Künstliche Intelligenz für Business Analytics In-Memory BI Architectures am Beispiel QlikView Business Analytics Process Analytics Emerging Technology and Architecture for Big-data Analytics Business Intelligence Guidebook Business Intelligence Wirtschaftsinformatik in Wissenschaft und Praxis Disruptive Analytics Controlling APPLIED BIG DATA AND BUSINESS INTELLIGENCE WITH SOFTWARE TOOLS. Best Practices für die neuen Herausforderungen des IT-Managements Analytische Informationssysteme High-Performance Big-Data Analytics Transforming Healthcare Analytics Business Analytics Computing Predictive Analytics, Business Intelligence, and Economics Informationsmanagement ERP Management 2/2013 - Big Data Big Data Analysis for Green Computing Die Toolbox des Controllers: Controllinginstrumente im Wandel Workload Optimized Systems: Tuning POWER7 for Analytics Reporting und Business Analytics Leaders and Innovators Handbook of Research on Cloud Infrastructures for Big Data Analytics Business Analytics Using R - A Practical Approach Research Trends in Multidisciplinary subjects - Volume 1 Big Data Appliances for In-Memory Computing Pervasive Health Knowledge Management DB2 10.5 with BLU Acceleration Oracle Business Intelligence 11g Developers Guide Successful Business Intelligence, Second Edition The CIO's Guide to Oracle Products and Solutions Big Data, Big Analytics

In-Memory BI Architectures am Beispiel QlikView Mar 25 2022 Studienarbeit aus dem Jahr 2013 im Fachbereich Informatik - Software, Note: 1,0, Universität Leipzig, Sprache: Deutsch, Abstract: Diese Arbeit, die im Rahmen der Lehrveranstaltung "Large-Scale Data Analytics" erstellt wurde, betrachtet ein In-Memory-BI-Tool näher - das Produkt QlikView der Firma QlikTech. Das Ziel war dabei, einen Überblick über die In-Memory-Technik und die damit verbundenen Verfahren zu geben, sowie am Beispiel QlikView zu untersuchen, wie diese in die Praxis umgesetzt wurden. Dazu wird zu Beginn ein Überblick über die Architektur von Business-Intelligence-Systemen gegeben. Weiterhin werden die In-Memory-Technologie selbst, sowie Methoden die mit ihr in Verbindung stehen erläutert. Anschließend wird die Architektur von QlikView, sowie die innerhalb des Anwendungssystem verwendete Verfahren und Methoden erläutert. Zum Abschluss erfolgt eine Bewertung der untersuchten Software und ein kurzer Vergleich mit ähnlichen Produkten, sowie eine Schlussbetrachtung dieser Arbeit.

Business Analytics Jan 11 2021 Technological advances in the last five years have allowed organizations to use Business Analytics to provide insights, increase understanding and it is hoped, gain the elusive 'competitive edge'. The rapid development of Business Analytics is impacting all enterprise competences profoundly and classical business professions are being redefined by a much deeper interplay between business and information systems. As computing capabilities for analysis has moved outside the IT glass-house and into the sphere of individual workers, they are no longer the exclusive domain of IT professionals but rather accessible to all employees. Complex open-source data analytics packages and client-level visualization tools deployed in desktops and laptops equip virtually any end-user with the instruments to carry out significant analytical tasks. All the while, the drive to improve 'customer experience' has heightened the demand for data involving customers, providers and entire ecosystems. In response to the proliferation of Business Analytics, a new Center and Masters of Science Program was introduced at the National University of Singapore (NUS). The Center collaborates with over 40 different external partner organizations in Asia-Pacific with which all MSBA students undertake individual projects. Business Analytics: Progress on Applications in Asia Pacific provides a useful picture of the maturity of the Business Analytics domain in Asia Pacific.

Business Intelligence Aug 30 2022 Business professionals who want to advance their careers need to have a strong understanding of how to utilize business intelligence. This new book provides a comprehensive introduction to the basic business and technical concepts they'll need to know. It integrates case studies that demonstrate how to apply the material. Business professionals will also find suggested further readings that will develop their knowledge and help them succeed.

DB2 10.5 with BLU Acceleration Oct 27 2019 UPGRADE TO THE NEW GENERATION OF DATABASE SOFTWARE FOR THE ERA OF BIG DATA! If big data is an untapped natural resource, how do you find the gold hidden within? Leaders realize that big data means all data, and are moving quickly to extract more value from both structured and unstructured application data. However, analyzing this data can prove costly and complex, especially while protecting the availability, performance and reliability of essential business applications. In the new era of big data, businesses require data systems that can blend always-available transactions with speed-of-thought analytics. DB2 10.5 with BLU Acceleration provides this speed, simplicity, and affordability while making it easier to build next-generation applications with NoSQL features, such as a mongo-styled JSON document store, a graph store, and more. Dynamic in-memory columnar processing and other innovations deliver faster insights from more data, and enhanced pureScale clustering technology delivers high-availability transactions with application-transparent scalability for business continuity. With this book, you'll learn about the power and flexibility of multiworkload, multi-platform database software. Use the comprehensive knowledge from a team of DB2 developers and experts to get started with the latest DB2 trial version you can download at ibm.com/developerworks/downloads/im/db2/. Stay up to date on DB2 by visiting ibm.com/db2/.

Encyclopedia of Business Analytics and Optimization Nov 01 2022 As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity- and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

ERP Management 2/2013 - Big Data Oct 08 2020

Pervasive Health Knowledge Management Nov 28 2019 Pervasive healthcare is an emerging research discipline, focusing on the development and application of pervasive and ubiquitous computing technology for healthcare and wellness. Pervasive healthcare seeks to respond to a variety of pressures on healthcare systems, including the increased incidence of life-style related and chronic diseases, emerging consumerism in healthcare, need for empowering patients and relatives for self-care and management of their health, and need to provide seamless access for healthcare services, independent of time and place. Pervasive healthcare may be defined from two perspectives. First, it is the development and application of pervasive computing (or ubiquitous computing, ambient intelligence) technologies for healthcare, health and wellness management. Second, it seeks to make healthcare available to anyone, anytime, and anywhere by removing locational, time and other restraints while increasing both the coverage and quality of healthcare. This book proposes to define the emerging area of pervasive health and introduce key management principles, most especially knowledge management, its tools, techniques and technologies. In addition, the book takes a socio-technical, patient-centric approach which serves to emphasize the importance of a key triumvirate in healthcare management namely, the focus on people, process and technology. Last but not least the book discusses in detail a specific example of pervasive health, namely the potential use of a wireless technology solution in the monitoring of diabetic patients.

Emerging Technology and Architecture for Big-data Analytics Dec 22 2021 This book describes the current state of the art in big-data analytics, from

a technology and hardware architecture perspective. The presentation is designed to be accessible to a broad audience, with general knowledge of hardware design and some interest in big-data analytics. Coverage includes emerging technology and devices for data-analytics, circuit design for data-analytics, and architecture and algorithms to support data-analytics. Readers will benefit from the realistic context used by the authors, which demonstrates what works, what doesn't work, and what are the fundamental problems, solutions, upcoming challenges and opportunities. Provides a single-source reference to hardware architectures for big-data analytics; Covers various levels of big-data analytics hardware design abstraction and flow, from device, to circuits and systems; Demonstrates how non-volatile memory (NVM) based hardware platforms can be a viable solution to existing challenges in hardware architecture for big-data analytics.

Analytische Informationssysteme Apr 13 2021 Informationssysteme für die analytischen Aufgaben von Fach- und Führungskräften treten verstärkt in den Vordergrund. Dieses etablierte Buch diskutiert und evaluiert Begriffe und Konzepte wie Business Intelligence und Big Data. Die aktualisierte und erweiterte fünfte Auflage liefert einen aktuellen Überblick zu Technologien, Produkten und Trends im Bereich analytischer Informationssysteme. Beiträge aus Wirtschaft und Wissenschaft geben einen umfassenden Überblick und eignen sich als fundierte Entscheidungsgrundlage beim Aufbau und Einsatz derartiger Technologien.

Reporting und Business Analytics Jun 03 2020 Das Reporting wird so nachhaltig von digitalen Techniken wie Analytics, RPA und Machine Learning beeinflusst wie kaum ein anderer Controllingbereich. Zum einen kann der Aufwand deutlich reduziert und zugleich die Inhalte und die Qualität verbessert werden. Zum anderen kommen unter dem Oberbegriff "Business Analytics" Anforderungen auf das Controlling zu, die nur mit neuen Kompetenzen, Methoden und Systemen zu bewältigen sind. Experten zeigen in diesem Buch die aktuellen und zukünftigen Entwicklungen und die darauf aufbauenden analytischen Verfahren auf. Nutzen Sie die Chancen eines zukunftsorientierten Reportings, das unternehmerische Entscheidungen optimal unterstützt. Inhalte: Predictive Analytics: Grundlagen, Projektbeispiele, Lessons Learned Prozesseffizienz im Reporting durch Robotic Process Automation steigern Reporting und (Selbst-)Steuerung in agilen Unternehmen Planung und Umsetzung von Management Dashboards Anwenderbeispiele von SAP, Jedox, Thoughtspot und graphomate Marktübersicht für BI- und Analytics-Software

Computing Predictive Analytics, Business Intelligence, and Economics Dec 10 2020 This volume brings together research and system designs that address the scientific basis and the practical systems design issues that support areas ranging from intelligent business interfaces and predictive analytics to economics modeling. Applications for management science and IT have been of interest areas for business schools and computing experts during recent years. Among the areas that are being treated are modern analytics, heterogeneous computing, business intelligence, ERP (enterprise resource planning), and decision science. Consumers have been pledging their love for data visualizations for a while now, and data is the area being explored, such as B2B and EC (E-commerce), E-business and the Intelligent Web, CRM (customer relationship management), infrastructures, and more. The digitization implications of these many new applications are described and explored in this informative volume.

Handbook of Research on Cloud Infrastructures for Big Data Analytics Apr 01 2020 Clouds are being positioned as the next-generation consolidated, centralized, yet federated IT infrastructure for hosting all kinds of IT platforms and for deploying, maintaining, and managing a wider variety of personal, as well as professional applications and services. Handbook of Research on Cloud Infrastructures for Big Data Analytics focuses exclusively on the topic of cloud-sponsored big data analytics for creating flexible and futuristic organizations. This book helps researchers and practitioners, as well as business entrepreneurs, to make informed decisions and consider appropriate action to simplify and streamline the arduous journey towards smarter enterprises.

Die Toolbox des Controllers: Controllinginstrumente im Wandel Aug 06 2020 Controlling-Instrumente im Wandel Die Toolbox des Controllers stellt das Handwerkszeug dar, mit dem das Controlling tagtäglich die Vorbereitung und Bewertung von unternehmerischen Entscheidungen unterstützt. Die Nutzung dieser Toolbox ist jedoch kein Selbstläufer, sondern bedarf eingehender Abwägungen und ausgewiesener Fachkenntnis: Es gilt, unternehmens- und aufgabenspezifisch zu evaluieren, welche Instrumente den formulierten Anforderungen bestmöglich gerecht werden, wie sich IT-seitige Umsetzungsmöglichkeiten darstellen und wie gut der organisationale und technische Fit zwischen Tools und Unternehmen ist. Zunehmende Dynamisierungsprozesse erschweren diese Überlegungen zusätzlich. Darüber hinaus stellt die Digitalisierung einen Katalysator im Zusammenhang mit der (Weiter-)Entwicklung von Controlling-Tools dar: sie erweitert die technischen Möglichkeiten der Instrumentenunterstützung auf geradezu revolutionäre Art und Weise. Entscheidungs- und steuerungsrelevante Informationen stehen dadurch schneller und - vielleicht noch wichtiger - konsistenter zur Verfügung. Die Automatisierung von Aufgaben bis hin zum Einsatz von Methoden der künstlichen Intelligenz verschiebt die Tätigkeitsschwerpunkte von Controllern und damit auch ihren Bedarf an Instrumenten. Diese Entwicklungen stellen das Controlling vor neue Herausforderungen, z. B. hinsichtlich des Managements und der Aufbereitung von Daten, bis hin zur Frage, ob es ein „Zuviel“ an Tools gibt. Höchste Zeit also für eine umfassende Bestandsaufnahme im Instrumentenkoffer des Controllers! Dieses Spezialheft der Zeitschrift CONTROLLING stellen ausgewiesene Experten aus Wissenschaft und Unternehmenspraxis die neuesten Erkenntnisse und Entwicklungen im Bereich der Controlling-Instrumente dar. Sie ordnen und ergänzen den Instrumentenkoffer, zeigen Ansatzpunkte zur Weiterentwicklung des Controlling-Instrumentariums in den wesentlichen Einsatzbereichen Planung, Steuerung, Kostenrechnung und Berichtswesen auf und gehen darauf ein, was für eine erfolgreiche Implementierung zu beachten ist. Weitere Informationen sowie kostenfreie Artikel zum Download unter: www.zeitschrift-controlling.de

Workload Optimized Systems: Tuning POWER7 for Analytics Jul 05 2020 This IBM® Redbooks® publication addresses topics to help clients to take advantage of the virtualization strengths of the POWER® platform to solve system resource utilization challenges and maximize system throughput and capacity. This publication examines the tools, utilities, documentation, and other resources available to help technical teams provide business solutions and support for Cognos® Business Intelligence (BI) and Statistical Package for the Social Sciences (SPSS®) on Power Systems™ virtualized environments. This book addresses topics to help address complex high availability requirements, help maximize the availability of systems, and provide expert-level documentation to the worldwide support teams. This book strengthens the position of the Cognos and SPSS solutions with a well-defined and documented deployment model within a POWER system virtualized environment. This model provides clients with a planned foundation for security, scaling, capacity, resilience, and optimization. This book is targeted toward technical professionals (BI consultants, technical support staff, IT Architects, and IT Specialists) who are responsible for providing Smart Analytics solutions and support for Cognos and SPSS on Power Systems.

Best Practices für die neuen Herausforderungen des IT-Managements May 15 2021

Wirtschaftsinformatik in Wissenschaft und Praxis Sep 18 2021 Die Schwerpunkte der Wirtschaftsinformatik ändern sich. Für viele Jahre stand die Nutzung der Informations- und Kommunikationstechnik zur Effizienzsteigerung von Prozessen in Unternehmen und öffentlichen Verwaltungen im Vordergrund. Heute ist immer mehr der private Bereich das wichtigste Einsatzgebiet der Informations- und Kommunikationstechnik. Diese Transformation wird in den nächsten Jahren die Tätigkeitsfelder der Wirtschaftsinformatik stark verändern. In dieser Festschrift zu Ehren von Prof. Dr. Hubert Österle von der Universität St. Gallen, stellen 26 prägende Persönlichkeiten aus Wissenschaft und Praxis mit ihren Koautoren ihre Sicht auf die weitere Entwicklung der Wirtschaftsinformatik in Wirtschaft und im privaten Bereich dar. Das Spektrum der Beiträge reicht von der Beschäftigung mit neuartigen Technologien, wie z.B. Cloud Computing, über Veränderungen von Geschäftsmodellen und Unternehmensgründungen, Beiträgen über Veränderungen der Arbeitswelt bis zu forschungsmethodischen Artikeln.

Künstliche Intelligenz für Business Analytics Apr 25 2022 Waren Methoden der Künstlichen Intelligenz (KI) bis vor wenigen Jahren noch ausschließlich ein Thema von wissenschaftlichen Diskussionen, so finden sie heute zunehmend Eingang in Produkte des täglichen Lebens. Gleichzeitig wächst die Menge der produzierten und verfügbaren Daten aufgrund der zunehmenden Digitalisierung, der Integration digitaler Mess- und Regelsysteme und des automatischen Austausches zwischen Geräten (Internet of Things). Dabei wird zukünftig der Einsatz von Business Intelligence (BI) und ein Blick in die Vergangenheit für die meisten Unternehmen nicht mehr ausreichen. Um in Zukunft im Wettbewerb bestehen zu können, wird vielmehr Business Analytics benötigt, also vorausschauende und prädiktive Analysen und automatisierte Entscheidungen. Die Nutzung der wachsenden Datenmengen ist dabei eine bedeutende Herausforderung und einen der wichtigsten Bereiche der Datenanalyse stellen Methoden

der Künstliche Intelligenz dar. Das Buch führt in komprimierter Form in die essenziellen Aspekte des Einsatzes von Methoden der Künstlichen Intelligenz für Business Analytics ein, stellt das Maschinelle Lernen und die wichtigsten Algorithmen in verständlicher Form anhand des Business Analytics Technologieframeworks vor und zeigt Anwendungsszenarien aus verschiedenen Branchen. Dazu liefert es mit dem Business Analytics Model for Artificial Intelligence ein Referenzvorgehensmodell zur Strukturierung von BA- und KI-Projekten im Unternehmen.

Oracle Business Intelligence 11g Developers Guide Sep 26 2019 Master Oracle Business Intelligence 11g Reports and Dashboards Deliver meaningful business information to users anytime, anywhere, on any device, using Oracle Business Intelligence 11g. Written by Oracle ACE Director Mark Rittman, Oracle Business Intelligence 11g Developers Guide fully covers the latest BI report design and distribution techniques. Find out how to execute effective queries, build accurate models, use scorecards and KPIs, create dynamic reports, set up dashboards, and publish to smartphones and wireless devices. This Oracle Press guide contains comprehensive details on Oracle Exalytics In-Memory Machine, the best-in-class, preintegrated BI platform. Install or upgrade to Oracle Business Intelligence 11g Develop and manage custom Oracle Business Intelligence repositories Access relational, file, and multidimensional data sources Design print-quality reports with Oracle Business Intelligence Publisher Create web-enabled analyses, dashboards, and visualizations Integrate with other applications using Oracle Business Intelligence 11g Action Framework Employ authentication, authorization, and row-level security Configure and deploy Oracle Exalytics In-Memory Machine

Big Data, Big Analytics Jun 23 2019 Unique perspective on the big data analytics phenomenon for both business and IT professionals The availability of Big Data, low-cost commodity hardware and new information management and analytics software has produced a unique moment in the history of business. The convergence of these trends means that we have the capabilities required to analyze astonishing data sets quickly and cost-effectively for the first time in history. These capabilities are neither theoretical nor trivial. They represent a genuine leap forward and a clear opportunity to realize enormous gains in terms of efficiency, productivity, revenue and profitability. The Age of Big Data is here, and these are truly revolutionary times. This timely book looks at cutting-edge companies supporting an exciting new generation of business analytics. Learn more about the trends in big data and how they are impacting the business world (Risk, Marketing, Healthcare, Financial Services, etc.) Explains this new technology and how companies can use them effectively to gather the data that they need and glean critical insights Explores relevant topics such as data privacy, data visualization, unstructured data, crowd sourcing data scientists, cloud computing for big data, and much more.

APPLIED BIG DATA AND BUSINESS INTELLIGENCE WITH SOFTWARE TOOLS. Jun 15 2021 The book begins by looking at massive computing tools in Big Data ecosystems with a focus on Hadoop, Mapreduce, Hadoop Distribute File System, and Hadoop Common Components (Pig, Hive, Flume, Oozie, Hbase, Sqoop, Mahout, and others). Job automation and examples developed with SQL Server are discussed below. Apache Ambari's Hadoop ecosystem is also introduced. Additionally, the SAS Big Data Analytics tools are presented (SAS Access Interface to Hadoop, SAS Data Management, SAS Visual Analytics, SAS Visual Statistics, SAS In Memory Statistics for Hadoop, SAS High Performance Data Mining, SAS High Performance Text Mining, SAS VIYA, etc.) Big Data Analytics tools from Oracle (Big Data Appliance, Big Data Connectors, NoSQL Database, Exadata, Business Analytics, etc.), Microsoft (HDInsight, Azure, etc.) and IBM (IBM Solution for Hadoop Power Systems Edition, IBM AIX Solution Editions for Cognos and SPSS, IBM SPSS Modeler, etc.). The quality and integrity of data in Big Data processes and the movement of data between clusters are addressed below. As an example, the copy and movement of databases between servers in SQL Server is developed. HYPER-V, Hadoop, and Ganglia cluster monitoring tools, as well as web interface and other tools, are covered later. Finally, the techniques of Big Data and Business Intelligence are deepened. The most important Business Intelligence tools (Business Objects, MicroStrategy, Tableau, Power BI, Qlik, Domo, Pentaho, etc.) are analyzed with special attention to dashboards. SAS Visual Analytics tools and SAP tools for dashboards are described. Finally, the implementation of KDD (Knowledge Discovery in Data Bases) with SAS (SAS Enterprise Miner) and IBM (IBM SPSS Modeler) tools is described through examples.

Business Intelligence Guidebook Nov 20 2021 Between the high-level concepts of business intelligence and the nitty-gritty instructions for using vendors' tools lies the essential, yet poorly-understood layer of architecture, design and process. Without this knowledge, Big Data is belittled - projects flounder, are late and go over budget. Business Intelligence Guidebook: From Data Integration to Analytics shines a bright light on an often neglected topic, arming you with the knowledge you need to design rock-solid business intelligence and data integration processes. Practicing consultant and adjunct BI professor Rick Sherman takes the guesswork out of creating systems that are cost-effective, reusable and essential for transforming raw data into valuable information for business decision-makers. After reading this book, you will be able to design the overall architecture for functioning business intelligence systems with the supporting data warehousing and data-integration applications. You will have the information you need to get a project launched, developed, managed and delivered on time and on budget - turning the deluge of data into actionable information that fuels business knowledge. Finally, you'll give your career a boost by demonstrating an essential knowledge that puts corporate BI projects on a fast-track to success. Provides practical guidelines for building successful BI, DW and data integration solutions. Explains underlying BI, DW and data integration design, architecture and processes in clear, accessible language. Includes the complete project development lifecycle that can be applied at large enterprises as well as at small to medium-sized businesses Describes best practices and pragmatic approaches so readers can put them into action. Companion website includes templates and examples, further discussion of key topics, instructor materials, and references to trusted industry sources.

The CIO's Guide to Oracle Products and Solutions Jul 25 2019 From operating systems to the cloud, Oracle's products and services are everywhere, and it has the market share to prove it. Given the share diversity of the Oracle product line, and the level of complexity of integration, management can be quite a daunting task. The CIO's Guide to Oracle Products and Solutions is the go-to guide for all things Oracle. It provides management-level guidance on how to successfully navigate and manage the full range of Oracle products. The book presents management best practices and user/developer lessons learned in the use of Oracle products and services. Supplying both conceptual and technical views, the text focuses on what CIOs need to do to orient, or reorient, their organization toward the use of Oracle products and services. It describes how to develop a strategic framework for the use of these products and services rather than the specific product or service itself. This strategic framework will help you to prepare, educate, keep up with change, mitigate risk, and implement with the confidence needed to succeed. Providing an overview of the suite of Oracle technologies and solutions, the book covers the heart of the Oracle products set, including Oracle analytics, enterprise performance management, Oracle cloud, data management, application development, social business, and fusion. It examines compliance and security issues and includes metrics to help you evaluate potential solutions. The book also provides readers with access to a set of helpful resources on the book's page at www.crcpress.com, including cloud procurement best practices, cloud migration tips, a sample project procurement plan template, and various glossaries.

Open Source Data Warehousing and Business Intelligence May 27 2022 Open Source Data Warehousing and Business Intelligence is an all-in-one reference for developing open source based data warehousing (DW) and business intelligence (BI) solutions that are business-centric, cross-customer viable, cross-functional, cross-technology based, and enterprise-wide. Considering the entire lifecycle of an open source DW &

Big Data In-Memory Analytics explained by SAP HANA Sep 30 2022 Research Paper (undergraduate) from the year 2015 in the subject Computer Science - Commercial Information Technology, grade: 1,0, University of Applied Sciences Ansbach, course: Wissenschaftliches Arbeiten, language: English, abstract: Nowadays, people produce large amounts of data with talking via smartphones, reading e-mails or using platforms to find the appropriate partner. Conventional technologies no longer cope with the increasing amount of data and come to their limits. Therefore new technologies of Big Data are required for data processing to overcome the data flood. At the beginning, this paper clarifies what Big Data is, the technologies of Big Data, how Big Data differs from Business Intelligence and a distinction is made between Data Warehouse and Business Intelligence. Furthermore, the theory of the Big Data technology in-memory analytics is explained and an implementation of this technology called "SAP HANA" is consulted and reviewed. In conclusion, the potential of in-memory analytics will be classified.

[Big Data Analysis for Green Computing](#) Sep 06 2020 This book focuses on big data in business intelligence, data management, machine learning, cloud computing, and smart cities. It also provides an interdisciplinary platform to present and discuss recent innovations, trends, and concerns in

the fields of big data and analytics. *Big Data Analysis for Green Computing: Concepts and Applications* presents the latest technologies and covers the major challenges, issues, and advances of big data and data analytics in green computing. It explores basic as well as high-level concepts. It also includes the use of machine learning using big data and discusses advanced system implementation for smart cities. The book is intended for business and management educators, management researchers, doctoral scholars, university professors, policymakers, and higher academic research organizations.

Big Data Appliances for In-Memory Computing Dec 30 2019 This book is a scientific expedition to research and explore the enterprise-grade big data appliances with blended OLTP and OLAP capabilities. Enterprise database systems with the aid of big data analytics create an intelligent ecosystem by taming and wrangling the data coming from extreme-disparate sources of structured and unstructured channels with massive parallelization techniques to discover, visualize, predict, and action the patterns and trends of mashups of big data. The book delves deeper into the research results of industry relevant case studies with the disruption of in-memory computing platform innovation that diffuses high-speed computing and dynamic performance for business applications and explores how these modern big data analytics tools shape the future of aerospace, automotive, consumer goods and beverages, healthcare, government services, high tech, and public sector industries.

Disruptive Analytics Aug 18 2021 Learn all you need to know about seven key innovations disrupting business analytics today. These innovations—the open source business model, cloud analytics, the Hadoop ecosystem, Spark and in-memory analytics, streaming analytics, Deep Learning, and self-service analytics—are radically changing how businesses use data for competitive advantage. Taken together, they are disrupting the business analytics value chain, creating new opportunities. Enterprises who seize the opportunity will thrive and prosper, while others struggle and decline: disrupt or be disrupted. *Disruptive Business Analytics* provides strategies to profit from disruption. It shows you how to organize for insight, build and provision an open source stack, how to practice lean data warehousing, and how to assimilate disruptive innovations into an organization. Through a short history of business analytics and a detailed survey of products and services, analytics authority Thomas W. Dinsmore provides a practical explanation of the most compelling innovations available today. What You'll Learn Discover how the open source business model works and how to make it work for you See how cloud computing completely changes the economics of analytics Harness the power of Hadoop and its ecosystem Find out why Apache Spark is everywhere Discover the potential of streaming and real-time analytics Learn what Deep Learning can do and why it matters See how self-service analytics can change the way organizations do business Who This Book Is For Corporate actors at all levels of responsibility for analytics: analysts, CIOs, CTOs, strategic decision makers, managers, systems architects, technical marketers, product developers, IT personnel, and consultants.

Business Analytics Using R - A Practical Approach Mar 01 2020 Learn the fundamental aspects of the business statistics, data mining, and machine learning techniques required to understand the huge amount of data generated by your organization. This book explains practical business analytics through examples, covers the steps involved in using it correctly, and shows you the context in which a particular technique does not make sense. Further, *Practical Business Analytics using R* helps you understand specific issues faced by organizations and how the solutions to these issues can be facilitated by business analytics. This book will discuss and explore the following through examples and case studies: An introduction to R: data management and R functions The architecture, framework, and life cycle of a business analytics project Descriptive analytics using R: descriptive statistics and data cleaning Data mining: classification, association rules, and clustering Predictive analytics: simple regression, multiple regression, and logistic regression This book includes case studies on important business analytic techniques, such as classification, association, clustering, and regression. The R language is the statistical tool used to demonstrate the concepts throughout the book. What You Will Learn • Write R programs to handle data • Build analytical models and draw useful inferences from them • Discover the basic concepts of data mining and machine learning • Carry out predictive modeling • Define a business issue as an analytical problem Who This Book Is For Beginners who want to understand and learn the fundamentals of analytics using R. Students, managers, executives, strategy and planning professionals, software professionals, and BI/DW professionals.

Business Analytics Feb 21 2022 Together, Big Data, high-performance computing, and complex environments create unprecedented opportunities for organizations to generate game-changing insights that are based on hard data. *Business Analytics: An Introduction* explains how to use business analytics to sort through an ever-increasing amount of data and improve the decision-making capabilities of an organization. Covering the key areas of business analytics, the book explores the concepts, techniques, applications, and emerging trends that professionals across a wide range of industries need to be aware of. Better detection of fraud through visual analytics or better prediction of the likelihood of someone getting an infection while in the hospital are just a few examples of where analytics can play a positive role. As the field of business analytics continues to emerge rapidly, there is a need for a reliable textbook and reference on the subject. Filling this need, this book is suitable for graduate-level students and undergraduate seniors. It maintains a focus on only the key areas so the material can be covered adequately in a one-semester or one-quarter course. Each chapter includes software-generic exercises, labs, and associated answers to the exercises/labs. Author Jay Liebowitz recently had an article published in *The World Financial Review*. www.worldfinancialreview.com/?p=1904

Controlling Jul 17 2021 State of the Art im Controlling Dieses Standardwerk stellt das Gesamtspektrum des Controllings theoriebasiert und praxisorientiert dar. Mit zahlreichen aktuellen Beispielen aus dem Unternehmensalltag, Abbildungen und Gestaltungsfragen für Controller dient es als ein das gesamte Studium begleitendes Lehrbuch als auch zur Orientierung für die Herausforderungen der Controllingpraxis. Die Autoren Prof. Dr. Dr. h.c. mult. Péter Horváth war Inhaber des Lehrstuhls Controlling der Universität Stuttgart. Er ist stv. Aufsichtsratsvorsitzender der Managementberatung Horváth AG. Prof. Dr. Ronald Gleich ist Dekan der Fakultät EBS Executive School und seit 2007 Vorsitzender der Institutsleitung des Strascheg Institute for Innovation, Transformation & Entrepreneurship (SITE) der EBS Universität. Prof. Dr. Mischa Seiter ist Professor für Wertschöpfungs- und Netzwerkmanagement am Institut für Technologie- und Prozessmanagement der Universität Ulm sowie wissenschaftlicher Leiter des International Performance Research Institute. „Insgesamt wurde hier ein etabliertes Standardwerk konsequent weiterentwickelt. Die Autoren legen den aktuellen Stand dar und skizzieren mögliche Entwicklungspfade für Controller sowie Manager in privatwirtschaftlichen Unternehmen und in der öffentlichen Verwaltung. Die Lektüre und auch die kritische Reflexion über die Inhalte lohnen sich.“ Robert Fieten in der FAZ „Das Buch hat alles, was nötig ist, um das Thema ‚Controlling‘ vollumfänglich abzudecken ... Leser, die den Controlling-Gedanken umfassender verstehen und es nicht nur als Rechnungswesen und Reporting interpretieren, sind mit diesem Buch hervorragend beraten. Es lässt sich festhalten: Mit der ersten Auflage war das Buch konkurrenzlos. 35 Jahre später hat das Werk zwar Konkurrenten, die es aber nach wie vor nicht übertroffen haben.“ Prof. Dr. Dr. h.c. mult. Horst Wildemann, TU München „Von A wie Abweichungsanalyse bis hin zu Z wie Zielerreichung ist das Standardlehrbuch von Péter Horváth und seinen Koautoren Ronald Gleich und Mischa Seiter ... der Klassiker für die Ausbildung im Fach Controlling. Gestaltungsorientierte Theorie und hoher Praxisbezug schaffen für jeden Leser Mehrwert.“ Prof. Dr. Barbara E. Weißenberger, Universität Düsseldorf (Abb. Buchcover „Controlling, 10 Fallstudien aus der Unternehmenspraxis“) Dieses Fallstudienbuch ist die ideale Begleitung zum Lehrbuch. (Logo VAHLENS ONLINE MATERIALIEN) Unter www.vahlen.de/25337903 finden Dozenten ein Set von Abbildungen aus dem Buch zum Download.

Successful Business Intelligence, Second Edition Aug 25 2019 Expanded to cover the latest in business intelligence-big data, cloud, mobile, visual data discovery, and in-memory, this fully updated bestseller by BI guru Cindi Howson provides the most modern techniques to exploit BI for the highest ROI.

The Shortcut Guide to Achieving Business Intelligence in Midsize Companies Jul 29 2022

Informationsmanagement Nov 08 2020 Informationsmanagement ist das auf Information und Kommunikation gerichtete Leitungshandeln in Organisationen, also alle Führungsaufgaben, die sich mit Information und Kommunikation befassen. In diesem Lehr- und Managementbuch werden in 45 Lerneinheiten die Grundlagen und Aufgaben des Informationsmanagements und die Methoden dargestellt, die zur Unterstützung der Aufgabenerfüllung geeignet sind. Mit fünf Fallstudien werden Probleme, Lösungswege und Ergebnisse von Forschungsvorhaben und

wissenschaftlich begleiteter Entwicklungsarbeit gezeigt. Die Lerneinheiten sind klar und einheitlich strukturiert: Lernziele, Definitionen der verwendeten Begriffe und Kontrollfragen erleichtern das Selbststudium; der Lernstoff ist in Abschnitte gegliedert und wird durch Abbildungen ergänzt; Forschungsbefunde belegen seine wissenschaftliche und praktische Bedeutung; Praxisbeispiele beschreiben Probleme und Problemlösungen; Vertiefungsliteratur, Informationsmaterial und einschlägige Normen ermöglichen eine weiterführende Beschäftigung mit dem Lernstoff.

Business Intelligence Oct 20 2021 Business Intelligence: The Savvy Managers Guide, Second Edition, discusses the objectives and practices for designing and deploying a business intelligence (BI) program. It looks at the basics of a BI program, from the value of information and the mechanics of planning for success to data model infrastructure, data preparation, data analysis, integration, knowledge discovery, and the actual use of discovered knowledge. Organized into 21 chapters, this book begins with an overview of the kind of knowledge that can be exposed and exploited through the use of BI. It then proceeds with a discussion of information use in the context of how value is created within an organization, how BI can improve the ways of doing business, and organizational preparedness for exploiting the results of a BI program. It also looks at some of the critical factors to be taken into account in the planning and execution of a successful BI program. In addition, the reader is introduced to considerations for developing the BI roadmap, the platforms for analysis such as data warehouses, and the concepts of business metadata. Other chapters focus on data preparation and data discovery, the business rules approach, and data mining techniques and predictive analytics. Finally, emerging technologies such as text analytics and sentiment analysis are considered. This book will be valuable to data management and BI professionals, including senior and middle-level managers, Chief Information Officers and Chief Data Officers, senior business executives and business staff members, database or software engineers, and business analysts. Guides managers through developing, administering, or simply understanding business intelligence technology Keeps pace with the changes in best practices, tools, methods and processes used to transform an organization's data into actionable knowledge Contains a handy, quick-reference to technologies and terminology

Transforming Healthcare Analytics Feb 09 2021 Real-life examples of how to apply intelligence in the healthcare industry through innovative analytics Healthcare analytics offers intelligence for making better healthcare decisions. Identifying patterns and correlations contained in complex health data, analytics has applications in hospital management, patient records, diagnosis, operating and treatment costs, and more. Helping healthcare managers operate more efficiently and effectively. Transforming Healthcare Analytics: The Quest for Healthy Intelligence shares real-world use cases of a healthcare company that leverages people, process, and advanced analytics technology to deliver exemplary results. This book illustrates how healthcare professionals can transform the healthcare industry through analytics. Practical examples of modern techniques and technology show how unified analytics with data management can deliver insight-driven decisions. The authors—a data management and analytics specialist and a healthcare finance executive—share their unique perspectives on modernizing data and analytics platforms to alleviate the complexity of the healthcare, distributing capabilities and analytics to key stakeholders, equipping healthcare organizations with intelligence to prepare for the future, and more. This book: Explores innovative technologies to overcome data complexity in healthcare Highlights how analytics can help with healthcare market analysis to gain competitive advantage Provides strategies for building a strong foundation for healthcare intelligence Examines managing data and analytics from end-to-end, from diagnosis, to treatment, to provider payment Discusses the future of technology and focus areas in the healthcare industry Transforming Healthcare Analytics: The Quest for Healthy Intelligence is an important source of information for CFO's, CIO, CTO, healthcare managers, data scientists, statisticians, and financial analysts at healthcare institutions.

Process Analytics Jan 23 2022 This book starts with an introduction to process modeling and process paradigms, then explains how to query and analyze process models, and how to analyze the process execution data. In this way, readers receive a comprehensive overview of what is needed to identify, understand and improve business processes. The book chiefly focuses on concepts, techniques and methods. It covers a large body of knowledge on process analytics - including process data querying, analysis, matching and correlating process data and models - to help practitioners and researchers understand the underlying concepts, problems, methods, tools and techniques involved in modern process analytics. Following an introduction to basic business process and process analytics concepts, it describes the state of the art in this area before examining different analytics techniques in detail. In this regard, the book covers analytics over different levels of process abstractions, from process execution data and methods for linking and correlating process execution data, to inferring process models, querying process execution data and process models, and scalable process data analytics methods. In addition, it provides a review of commercial process analytics tools and their practical applications. The book is intended for a broad readership interested in business process management and process analytics. It provides researchers with an introduction to these fields by comprehensively classifying the current state of research, by describing in-depth techniques and methods, and by highlighting future research directions. Lecturers will find a wealth of material to choose from for a variety of courses, ranging from undergraduate courses in business process management to graduate courses in business process analytics. Lastly, it offers professionals a reference guide to the state of the art in commercial tools and techniques, complemented by many real-world use case scenarios.

Erfolgsfaktoren von Business-Intelligence-Technologien: Eine empirische Studie Jun 27 2022 Masterarbeit aus dem Jahr 2015 im Fachbereich Informatik - Wirtschaftsinformatik, Note: 2,3, Universität zu Köln, Veranstaltung: Information Systems, Sprache: Deutsch, Abstract: Im Rahmen dieser Arbeit wird der Erfolg des Einsatzes moderner Business-Intelligence-Technologien (BIT) durch eine empirische Studie in Form qualitativer Interviews untersucht. Unter BIT werden die Gesamtheit der Hard- und Software, Architekturen sowie Methoden auf Grundlage bestimmter Speichertechnik und Datenbankmanagementsystemen (DBMS) verstanden, die zur Gewinnung von Erkenntnissen aus Daten benötigt werden. Hierzu gehören traditionell bspw. analytische Anwendungssysteme, die auf Datawarehouses (DWH) bzw. Datenbanken (DB) basieren. Moderne BIT basieren u.a. auf Hauptspeicherdatenbanken, sog. In-Memory-Datenbanken, und sollen im Gegensatz zu traditionellen BIT auch von Fachbereichskräften über interaktive, graphische Interfaces verwendet werden, um Echtzeitanalysen durchführen zu können. Viele Anbieter von Business-Intelligence (BI)-Plattformen, wie z.B. SAP mit „SAP HANA“, IBM mit „Informix“ oder „solidDB“, Microsoft mit „SQL Server 2014“ und Oracle mit diversen DB, bieten Produkte mit solchen BIT bereits an. Gemäß des „Hype-Zyklus für BI“ von Gartner aus dem Jahr 2011, sollen Komponenten moderner BIT wie z.B. „In-Memory-Analytics“ (d.h. es werden Daten in den Hauptspeicher geladen, um bessere Abfrage- und Rechenperformance zu erreichen) und „In-Memory-DBMS“ (d.h. DBMS, die die gesamte DB-Struktur im Hauptspeicher halten und direkt darauf zugreifen, ohne Input/Output-Anweisungen, sodass Applikationen vollständig „in-memory“ ausgeführt werden) in 2-5 Jahren das Plateau der Produktivität erreichen. Dies bedeutet, dass diese Technologien mittlerweile ausgereift sind und von einer breiten Zielgruppe akzeptiert und angewandt werden. Der Einsatz solcher modernen BIT in Unternehmen steigt, gemessen an den Kauf- und Investitionsentscheidungen, seit 2010 und soll auch in Zukunft weiter steigen. Hauptgründe für diesen Anstieg sind die durch Visualisierung und Performancesteigerungen komfortablere und effizientere Verarbeitung von größeren Datenmengen in kürzerer Zeit. Dabei sind u.a. die steigenden Datenmengen, die in Unternehmen anfallen und sinkende Kosten für Hauptspeicher die Treiber. Insgesamt lassen diese Entwicklungen auf eine hohe Bedeutung moderner BIT und BI im Allgemeinen für Anbieter und besonders für investierende Unternehmen schließen.

Research Trends in Multidisciplinary subjects - Volume 1 Jan 29 2020

Leaders and Innovators May 03 2020 An integrated, strategic approach to higher-value analytics Leaders and Innovators: How Data-Driven Organizations Are Winning with Analytics shows how businesses leverage enterprise analytics to gain strategic insights for profitability and growth. The key factor is integrated, end-to-end capabilities that encompass data management and analytics from a business and IT perspective; with analytics running inside a database where the data reside, everyday analytical processes become streamlined and more efficient. This book shows you what analytics is, what it can do, and how you can integrate old and new technologies to get more out of your data. Case studies and examples illustrate real-world scenarios in which an optimized analytics system revolutionized an organization's business. Using in-database and in-memory analytics along with Hadoop, you'll be equipped to improve performance while reducing processing time from days or weeks to hours or minutes. This more strategic approach uncovers the opportunities hidden in your data, and the detailed guidance to optimal data management allows you to

break through even the biggest data challenges. With data coming in from every angle in a constant stream, there has never been a greater need for proactive and agile strategies to overcome these struggles in a volatile and competitive economy. This book provides clear guidance and an integrated strategy for organizations seeking greater value from their data and becoming leaders and innovators in the industry. Streamline analytics processes and daily tasks Integrate traditional tools with new and modern technologies Evolve from tactical to strategic behavior Explore new analytics methods and applications The depth and breadth of analytics capabilities, technologies, and potential makes it a bottomless well of insight. But too many organizations falter at implementation—too much, not enough, or the right amount in the wrong way all fail to deliver what an optimized and integrated system could. *Leaders and Innovators: How Data-Driven Organizations Are Winning with Analytics* shows you how to create the system your organization needs to dramatically improve performance, increase profitability, and drive innovation at all levels for the present and future.

High-Performance Big-Data Analytics Mar 13 2021 This book presents a detailed review of high-performance computing infrastructures for next-generation big data and fast data analytics. Features: includes case studies and learning activities throughout the book and self-study exercises in every chapter; presents detailed case studies on social media analytics for intelligent businesses and on big data analytics (BDA) in the healthcare sector; describes the network infrastructure requirements for effective transfer of big data, and the storage infrastructure requirements of applications which generate big data; examines real-time analytics solutions; introduces in-database processing and in-memory analytics techniques for data mining; discusses the use of mainframes for handling real-time big data and the latest types of data management systems for BDA; provides information on the use of cluster, grid and cloud computing systems for BDA; reviews the peer-to-peer techniques and tools and the common information visualization techniques, used in BDA.