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Data Warehousing For Dummies **Data Warehousing Fundamentals** *Building the Data Warehouse* Data Warehousing **Data Warehousing Strategie** **The Data Warehouse Toolkit** **Data Warehousing and Analytics** **Data Warehousing Fundamentals for IT Professionals** **Real Time Data Warehousing** **Das Data Warehouse-Konzept** *Building a Data Warehouse* **BUILDING THE DATA WAREHOUSE (4th Ed.)** **Data Warehouse - Anforderungen an ein Unternehmen** Data Warehousing 101 *Erfolg in Data-Warehouse-Projekten: Eine praxisnahe Analyse von Erfolgsfaktoren und -kriterien* *Data Warehouse Für Dummies* **Datenintensive Anwendungen designen** Data Warehousing und Internet Die strategische Ressource „Data Warehouse“ **DW 2.0 Data Warehousing in Action** **Data Warehousing mit SAP® BW 7.3 Data Warehouse Systems** Data Warehousing For Dummies E-Data **The Kimball Group Reader** **Data Warehousing and Knowledge Discovery** Entwicklung von Data-Warehouse-Systemen **Data Mining and Data Warehousing** **Data Warehousing in the Real World** **Strategische Planung mit Data-Warehouse-Systemen** **The Data Warehouse Lifecycle Toolkit** *Das Data Warehouse-Konzept* The Data Warehouse ETL Toolkit **The Analytical Puzzle** **Data Warehouse Konzeption Und Realisierung Eines Data Warehouses** Zur Analyse Chirurgischer Workflows **A Manager's Guide to Data Warehousing** **Data Warehousing mit Oracle** Data Warehousing And Business Intelligence For e-Commerce

Data Warehousing and Analytics Apr 24 2022 This textbook covers all central activities of data warehousing and analytics, including transformation, preparation, aggregation, integration, and analysis. It discusses the full spectrum of the journey of data from operational/transactional databases, to data warehouses and data analytics; as well as the role that data warehousing plays in the data processing lifecycle. It also explains in detail how data warehouses may be used by data engines, such as BI tools and analytics algorithms to produce reports, dashboards, patterns, and other useful information and knowledge. The book is divided into six parts, ranging from the basics of data warehouse design (Part I - Star Schema, Part II - Snowflake and Bridge Tables, Part III - Advanced Dimensions, and Part IV - Multi-Fact and Multi-Input), to more advanced data warehousing concepts (Part V - Data Warehousing and Evolution) and data analytics (Part VI - OLAP, BI, and Analytics). This textbook approaches data warehousing from the case study angle. Each chapter presents one or more case studies to thoroughly explain the concepts and has different levels of difficulty, hence learning is incremental. In addition, every chapter has also a section on further readings which give pointers and references to research papers related to the chapter. All these features make the book ideally suited for either introductory courses on data warehousing and data analytics, or even for self-studies by professionals. The book is accompanied by a web page that includes all the used datasets and codes as well as slides and solutions to exercises.

The Kimball Group Reader Sep 05 2020 The final edition of the incomparable data warehousing and business intelligence reference, updated and expanded The Kimball Group Reader, Remastered Collection is the essential reference for data warehouse and business intelligence design, packed with best practices, design tips, and valuable insight from industry pioneer Ralph Kimball and the Kimball Group. This Remastered Collection represents decades of expert advice and mentoring in data warehousing and business intelligence, and is the final work to be published by the Kimball Group. Organized for quick navigation and easy reference, this book contains nearly 20 years of experience on more than 300 topics, all fully up-to-date and expanded with 65 new articles. The discussion covers the complete data warehouse/business intelligence lifecycle, including project planning, requirements gathering, system architecture, dimensional modeling, ETL, and business intelligence analytics, with each group of articles prefaced by original commentaries explaining their role in the overall Kimball Group methodology. Data warehousing/business intelligence industry's current multi-billion dollar value is due in no small part to the contributions of Ralph Kimball and the Kimball Group. Their publications are the standards on which the industry is built, and nearly all data warehouse hardware and software vendors have adopted their methods in one form or another. This book is a compendium of Kimball Group expertise, and an essential reference for anyone in the field. Learn data warehousing and business intelligence from the field's pioneers Get up to date on best practices and essential design tips Gain valuable knowledge on every stage of the project lifecycle Dig into the Kimball Group methodology with hands-on guidance Ralph Kimball and the Kimball Group have continued to refine their methods and techniques based on thousands of hours of consulting and training. This Remastered Collection of The Kimball Group Reader represents their final body of knowledge, and is nothing less than a vital reference for anyone involved in the field.

Data Warehousing in Action Feb 08 2021 Construct and implement a data warehousing plan. In their efforts to collect information that will give them an edge, many companies have amassed vast amounts of data. Often this data becomes unwieldy and difficult to translate into anything useful. Data warehousing, storing all of this data in a system that allows for rapid retrieval of customized information, is the solution. This book, written by a data warehousing authority, is a step-by-step guide to creating and managing a data warehouse from start to finish, reviewing marketing, technology, and design issues.

The Data Warehouse Lifecycle Toolkit Feb 29 2020 "A comprehensive, thoughtful, and detailed book that will be of inestimable value to anyone struggling with the complex details of designing, building, and maintaining an enterprise-wide decision support system. Highly recommended." -Robert S. Craig, Vice President, Application Architectures, Hurwitz Group, Inc. In his bestselling book, The Data Warehouse Toolkit, Ralph Kimball showed you how to use dimensional modeling to design effective and usable data warehouses. Now, he carries these techniques to the larger issues of delivering complete data marts and data warehouses. Drawing upon their experiences with numerous data warehouse implementations, he and his coauthors show you all the practical details involved in planning, designing, developing, deploying, and growing data warehouses. Important topics include: * The Business Dimensional Lifecycle(TM) approach to data warehouse project planning and management * Techniques for gathering requirements more effectively and efficiently * Advanced dimensional modeling techniques to capture the most complex business rules * The Data Warehouse Bus Architecture and other approaches for integrating data marts into super-flexible data warehouses * A framework for creating your technical architecture * Techniques for minimizing the risks involved with data staging * Aggregations and other effective ways to boost data warehouse performance * Cutting-edge, Internet-based data warehouse security techniques The CD-ROM supplies you with: * Complete data warehouse project plan tasks and responsibilities * A set of sample models that demonstrate the Bus Architecture * Blank versions of the templates and tools described in the book * Checklists to use at key points in the project

Data Warehousing And Business Intelligence For e-Commerce Jun 22 2019 You go online to buy a digital camera. Soon, you realize you've bought a more expensive camera than intended, along with extra batteries, charger, and graphics software-all at the prompting of the retailer. Happy with your purchases? The retailer certainly is, and if you are too, you both can be said to be the beneficiaries of "customer intimacy" achieved through the transformation of data collected during this visit or stored from previous visits into real business intelligence that can be exercised in real time. Data Warehousing and Business Intelligence for e-Commerce is a practical exploration of the technological innovations through which traditional data warehousing is brought to bear on this and other less modest e-commerce applications, such as those at work in B2B, G2C, B2G, and B2E models. The authors examine the core technologies and commercial products in use today, providing a nuts-and-bolts understanding of how you can deploy customer and product data in ways that meet the unique requirements of the online marketplace-particularly if you are part of a brick-and-mortar company with specific online aspirations. In so doing, they build a powerful case for investment in and aggressive development of these approaches, which are likely to separate winners from losers as e-commerce grows and matures. * Includes the latest from successful data warehousing consultants whose work has encouraged the field's new focus on e-commerce. * Presents information that is written for both consultants and practitioners in companies of all sizes. * Emphasizes the special needs and opportunities of traditional brick-and-mortar businesses that are going online or participating in B2B supply chains or e-marketplaces. * Explains how long-standing assumptions about data warehousing have to be rethought in light of emerging business models that depend on customer intimacy. * Provides advice on maintaining data quality and integrity in environments marked by extensive customer self-input. * Advocates careful planning that will help both old economy and new economy companies develop long-lived and successful e-commerce strategies. * Focuses on data warehousing for emerging e-commerce areas such as e-government and B2E environments.

Data Warehousing 101 Sep 17 2021 A guide to data warehousing covers such topics as its basic characteristics and design, data migration, data marts, planning a data warehouse project, and operating a data warehouse.

Data Warehousing und Internet May 14 2021 Inhaltsangabe:Einleitung: Unter Datenmüll vergraben, meist verstreut über verschiedene Systeme eines Unternehmens, vergammeln wertvolle Informationen. Entsprechend verdichtet und aufbereitet, könnten sich durch die beim täglichen Betrieb anfallenden Daten neue Verhaltensweisen ergeben. So fallen bei einer Bank jede Menge verschiedenartiger Informationen über die Kunden an, etwa Kontoformen und -bewegungen, Sparformen und -aktivitäten, Kredite et cetera. Diese Informationen können ein Kundenprofil bilden, aus welchem sich wirksame Werbemaßnahmen ableiten lassen, das aber auch hilft, über die Kreditfähigkeit entscheiden zu können. Fortune 500 aus den USA schätzen, daß lediglich ein Prozent aller gespeicherten Informationen den Mitarbeitern und Entscheidungsträgern zugänglich ist. Eine Problematik, die sich weiter verschärfen wird. Insbesondere der zunehmende Einsatz von Computersystemen, sowie die Vernetzung zwischen Unternehmenseinheiten, aber auch der Siegeszug des Internet, insbesondere des World Wide Web (WWW), trägt zu einem weiteren Zuwachs an neuen Daten bei. Der Begriff Information gewinnt immer mehr an Bedeutung und kann in der heutigen Zeit als eigenständiger Produktionsfaktor angesehen werden. Informationsmanagement als Schnittstelle zwischen informationsverarbeitenden Systemen und strategischer Entscheidungsfindung hat die Aufgabe, den im Hinblick auf das Unternehmensziel bestmöglichen Einsatz der Ressource Information zu gewährleisten. Inhaltsverzeichnis:Inhaltsverzeichnis: AbbildungsverzeichnisV TabellenverzeichnisV AnhangverzeichnisVI AbkürzungsverzeichnisVII 1.DIE ZUNEHMENDE BEDEUTUNG DES INTERNET FÜR DAS INFORMATIONSMANAGEMENT1 1.1Aktuelle Entwicklung des Informationsmanagement1 1.1.1Traditionelle Informationssysteme versus aktuelle Informationssysteme2 1.1.2Data Warehousing als Ausweg aus dem Datenchaos4 1.1.2.1Klassische Merkmale von Data Warehouse-Daten4 1.1.2.2Die Integration der Daten in ein Data Warehouse6 1.1.3Bewertung des Data Warehousing7 1.2Die Internet-Technologie7 1.2.1Die Funktionsweise des Internet8 1.2.2Die Komponenten des Internet9 1.2.3Das World Wide Web10 1.3Ziele einer Verknüpfung der Internet-Technologie mit der Technologie des Data Warehousing12 2.INTEGRATION DER INTERNET-TECHNOLOGIE IN EIN DATA WAREHOUSE14 2.1Die Konzeption des Data Warehousing14 2.1.1Komponenten eines Data Warehouse14 2.1.2Organisatorische Aufbaumöglichkeiten eines Data Warehouse18 2.1.3Datenanalyse mit Online [...]

Strategische Planung mit Data-Warehouse-Systemen Mar 31 2020 Frank Navrade entwickelt ein Konzept zur Unterstützung des strategischen Planungsprozesses mit Data-Warehouse-Systemen. Das gesamtheitliche Architekturschema dient der Informationsbereitstellung und Prozessunterstützung.

Data Warehouse Für Dummies Jul 16 2021

The Data Warehouse Toolkit May 26 2022 This old edition was published in 2002. The current and final edition of this book is *The Data Warehouse Toolkit: The Definitive Guide to Dimensional Modeling, 3rd Edition* which was published in 2013 under ISBN: 9781118530801. The authors begin with fundamental design recommendations and gradually progress step-by-step through increasingly complex scenarios. Clear-cut guidelines for designing dimensional models are illustrated using real-world data warehouse case studies drawn from a variety of business application areas and industries, including: Retail sales and e-commerce Inventory management Procurement Order management Customer relationship management (CRM) Human resources management Accounting Financial services Telecommunications and utilities Education Transportation Health care and insurance By the end of the book, you will have mastered the full range of powerful techniques for designing dimensional databases that are easy to understand and provide fast query response. You will also learn how to create an architected framework that integrates the distributed data warehouse using standardized dimensions and facts.

Das Data Warehouse-Konzept Jan 22 2022 Die Popularität des Data Warehouse-Konzepts unterstreicht die Notwendigkeit einer besseren Informationsbasis für Entscheidungsträger aller Managementebenen. Handelt es sich hierbei lediglich um eine Modeerscheinung, oder eröffnet dieses Konzept tatsächlich Möglichkeiten, Entscheidungsträger mit qualitativ besseren Informationen zu versorgen? Für die dritte Auflage wurde das Buch erneut in Teilen überarbeitet. Ausgehend von der Architektur, den charakteristischen Komponenten und Funktionen eines Data Warehouses analysieren namhafte Experten u.a. folgende Aspekte: Fragen der Entwicklung, Datenmodellierung und -speicherung, die Eignung verschiedener Datenbankmodelle, rechtliche Aspekte, Datenschutz etc. Verzeichnis: Ausgehend von der Architektur, den charakteristischen Komponenten und Funktionen eines Data Warehouses analysieren namhafte Experten u.a. folgende Aspekte: Fragen der Entwicklung, Datenmodellierung und -speicherung, die Eignung verschiedener Datenbankmodelle, rechtliche Aspekte, Datenschutz etc. Für die dritte Auflage wurde das Buch erneut in Teilen überarbeitet.

Konzeption Und Realisierung Eines Data Warehouses Zur Analyse Chirurgischer Workflows Sep 25 2019 Im Umfeld der Medizintechnik entwickelt sich das noch junge und vielversprechende Konzept der Chirurgischen Workflows. Dabei handelt es sich um eine Methode zur intelligenten Erfassung von Prozessbeschreibungen, die im Laufe chirurgischer Eingriffe erhoben werden. Um diese Daten analysieren zu können, ist ein formales Modell notwendig, wodurch eine einheitliche Aufnahme der chirurgischen Vorgänge ermöglicht wird. Die Anwendungsbereiche Chirurgischer Workflows sind weit gestreut. Sie reichen von der Planungsunterstützung im Vorfeld der Operationen bis zur Workflow-Exploration auf Basis durchgeführter Operationen, von der Suche nach Optimierungspotential hinsichtlich der Instrumente bzw. Assistenzsysteme bis zur Verifizierung medizinischer Hypothesen. In dieser Studie wird ein Data Warehouse (DWH) entwickelt, womit chirurgische Workflows erfasst und analysiert werden können. Hierzu wird die herkömmliche Data-Warehouse-Technologie an die besonderen Anforderungen angepasst, die sich im Zusammenhang mit der Analyse von Prozessbeschreibungen ergeben. Es wird gezeigt, wie der Anwender eine multidimensionale Sicht sowohl der Operationen, wie auch ihrer Workflow-Komponenten, erhält und er in die Lage versetzt wird, die zu analysierenden Kennzahlen selbst zu definieren und diese entlang verschiedener Dimensionen und Detaillierungsgrade zu aggregieren. Zunächst führt der Autor in die grundlegenden Themen Business Intelligence (BI), Data Warehouse, multidimensionales Datenmodell und Online Analytical Processing (OLAP) sowie Business Process Intelligence (BPI) ein. In der initialen Designphase des DWH wird die Strukturierung des chirurgischen Workflows behandelt sowie die Überlegungen zu den eingesetzten Datenerfassungsstrategien beleuchtet. Das auf dieser Basis in Form eines E/R-Diagramms erstellte Modell zur Erfassung chirurgischer Prozesse dient als Grundlage für das nachfolgend zu entwickelnde multidimensionale Datenmodell und kann als Input einer Transformation betrachtet

Data Warehousing For Dummies Oct 31 2022 Data warehousing is one of the hottest business topics, and there's more to understanding data warehousing technologies than you might think. Find out the basics of data warehousing and how it facilitates data mining and business intelligence with *Data Warehousing For Dummies, 2nd Edition*. Data is probably your company's most important asset, so your data warehouse should serve your needs. The fully updated Second Edition of *Data Warehousing For Dummies* helps you understand, develop, implement, and use data warehouses, and offers a sneak peek into their future. You'll learn to: Analyze top-down and bottom-up data warehouse designs Understand the structure and technologies of data warehouses, operational data stores, and data marts Choose your project team and apply best development practices to your data warehousing projects Implement a data warehouse, step by step, and involve end-users in the process Review and upgrade existing data storage to make it serve your needs Comprehend OLAP, column-wise databases, hardware assisted databases, and middleware Use data mining intelligently and find what you need Make informed choices about consultants and data warehousing products *Data Warehousing For Dummies, 2nd Edition* also shows you how to involve users in the testing process and gain valuable feedback, what it takes to successfully manage a data warehouse project, and how to tell if your project is on track. You'll find it's the most useful source of data on the topic!

Data Warehousing Jul 28 2022 At 70 terabytes and growing, Wal-Mart's data warehouse is still the world's largest, most ambitious, and arguably most successful commercial database. Written by one of the key figures in its design and construction, *Data Warehousing: Using the Wal-Mart Model* gives you an insider's view of this enormous project. Continuously drawing from this example, the author teaches you the general principles and specific techniques you need to understand to be a valuable part of your organization's own data warehouse project, however large or small. You'll emerge with a practical understanding of both the business and technical aspects of building a data warehouse for storing and accessing data in a strategically useful way. What further sets this book apart is its focus on the informational needs of retail companies-including both market and organizational issues that affect the data's collection and use. If retail is your field, this book will prove especially valuable as you develop and implement your company's ideal data warehouse solution. * Written by a member of

the team of four engineers who designed and built the Wal-Mart Data Warehouse database, a team whose database design was recognized internally in 1991 by Wal-Mart with the company's Team Innovational Technical award. * Provides essential information for project managers, consultants, data warehouse managers, and data architects. * Takes an in-depth look at a wide range of technical issues, including architecture, construction approaches, tool selection, database system selection, and maintenance. * Addresses issues specific to retail business: vendors, inventory, sales analysis, geography, article categories, and more. * Explains how to determine business requirements at the outset of the project-and how to develop return on investment analyses after the warehouse has been brought online.

Data Warehousing mit Oracle Jul 24 2019

Die strategische Ressource „Data Warehouse“ Apr 12 2021 Die Autoren analysieren das Data Warehousing aus betriebswirtschaftlicher Perspektive. Sie geben einen Überblick über die technologische Basis des Data Warehousing und die wesentlichen Grundlagen der betriebswirtschaftlichen Theorie des Resource-based view und präsentieren die Ergebnisse einer umfassenden Befragung von 40 Unternehmen im deutschsprachigen Raum.

Data Warehousing For Dummies Nov 07 2020 Offers advice on designing and selecting data warehousing techniques, analysing data sources, selecting data to be stored, and facilitating the recall and distribution of information

Data Warehousing mit SAP® BW 7.3 Jan 10 2021 Dieses Buch fokussiert sich auf Bewirtschaftung, Speicherung und Bereitstellung von Daten durch das SAP BW und gibt einen fundierten Einblick in die Architektur des Systems. Als praxisorientierter Leitfaden und gut strukturiertes Nachschlagewerk wendet es sich an SAP-Berater und IT-Mitarbeiter, die mit der Implementierung eines Data Warehouse auf Basis des BW-Systems betraut sind. Dabei wird insbesondere auf die Unterschiede eingegangen, die sich aus einem Wechsel von herkömmlichen relationalen Datenbanksystemen zur HANA Database ergeben. Für die Neuauflage auf den aktuellen Stand gebracht.

BUILDING THE DATA WAREHOUSE (4th Ed.) Nov 19 2021 Market_Desc: · IT, Database, and Data Warehouse Managers and Developers Special Features: · Building the Data Warehouse has sold nearly 40,000 copies in its first 3 editions· Inmon is widely recognized as the Father of the Data Warehouse and remains one of the two leading authorities in the industry he helped to invent· The new edition covers new approaches and technologies, many of which have been pioneered by Inmon himself· Price of this new edition will be reduced from \$65 to \$55, and 100 new pages added About The Book: This book provides a high-level, conceptual overview of the major components of data warehouse systems, as well as the core approaches used to design and build data warehouses. Topics covered in this book are methods for handling unstructured data in a data warehouse, storing data across multiple storage media, the pros and cons of relational vs. multidimensional design, data monitoring and testing.

Data Warehousing and Knowledge Discovery Aug 05 2020 This book constitutes the refereed proceedings of the 10th International Conference on Data Warehousing and Knowledge Discovery, DaWak 2008, held in Turin, Italy, in September 2008. The 40 revised full papers presented were carefully reviewed and selected from 143 submissions. The papers are organized in topical sections on conceptual design and modeling, olap and cube processing, distributed data warehouse, data privacy in data warehouse, data warehouse and data mining, clustering, mining data streams, classification, text mining and taxonomy, machine learning techniques, and data mining applications.

The Analytical Puzzle Nov 27 2019 Do you enjoy completing puzzles? Perhaps one of the most challenging (yet rewarding) puzzles is delivering a successful data warehouse suitable for data mining and analytics. The Analytical Puzzle describes an unbiased, practical, and comprehensive approach to building a data warehouse which will lead to an increased level of business intelligence within your organization. New technologies continuously impact this approach and therefore this book explains how to leverage big data, cloud computing, data warehouse appliances, data mining, predictive analytics, data visualization and mobile devices. Here are the main objectives for each of the book's 19 chapters: • Chapter 1: Develop a foundational knowledge of data warehousing, business intelligence and analytics • Chapter 2: Build the business case needed to sell your data warehousing project, and then produce a project plan that avoids common pitfalls • Chapter 3: Elicit and organize business intelligence and data warehousing business requirements • Chapter 4: Specify the technical architecture of the data warehousing system, including software and infrastructure components, technology stack, and non-functional requirements. Gain an understanding of cloud based data warehousing and data warehouse appliances • Chapter 5: Learn about data attributes including metrics and key performance indicators (KPIs), the raw material of data warehousing and business intelligence • Chapter 6: Learn about data modeling and how to apply design patterns for each part of the data warehouse • Chapter 7: Speak the dimensional modeling language of measures, dimensions, facts, cubes, stars, and snowflakes • Chapter 8: Organize a successful data governance program. Learn how to manage metadata for your data warehousing and business intelligence project • Chapter 9: Identify useful data sources and implement a data quality program • Chapter 10: Use database technology for your data warehousing project, and understand the impact of data warehouse appliances, big data, in memory databases, columnar databases and OnLine Analytical Processing (OLAP) • Chapter 11: Apply data integration and understand the role data mapping, data cleansing, data transformation, and loading data play in a successful data warehouse • Chapter 12: Use the business intelligence (BI) operations of slice, dice, drill down, roll up, and pivot to analyze and present data • Chapter 13: Learn about descriptive and predictive statistics, and calculate mean, median, mode, variance and standard deviation • Chapter 14: Harness analytical methods such as regression analysis, data mining, and statistics to make profitable decisions and anticipate the future • Chapter 15: Appreciate the components and design patterns that compose a successful analytic application • Chapter 16: Gain an understanding of the uses and benefits of scorecards and dashboards including support of mobile device users • Chapter 17: Gain insight into applications of business intelligence that could profit your organization, including risk management,

finance, marketing, government, healthcare, science and sports • Chapter 18: Perform customer analytics to better understand and segment your customers • Chapter 19: Test, roll out, and sustain the data warehouse

Real Time Data Warehousing Feb 20 2022 Studienarbeit aus dem Jahr 2007 im Fachbereich BWL - Unternehmensforschung, Operations Research, Note: 1,7, Hochschule Hannover, Veranstaltung: Systemtheoretische Entscheidungssysteme, Sprache: Deutsch, Abstract: Das Management jedes Unternehmens steht vor internen sowie externen Rahmenbedingungen zur Entscheidungsfindung. Um die Unternehmensergebnisse optimal Steuern und Planen zu können stehen die Führungskräfte vor vielfältigen Herausforderungen. Für eine Garantie der Zukunftsfähigkeit des Unternehmens, ist es notwendig, sich an diese anzupassen oder aktiv die Rahmenbedingungen mitzugestalten. Hauptziel der vorliegenden Hausarbeit ist die Darstellung, wie die Information von Real Time Data Warehousing, auf die Planung und Steuerung der Unternehmensergebnisse positiv Einfluss nehmen kann. In Kapitel 2 werden die Grundlagen und ein Überblick des Data Warehousing abgebildet. Als Verständnisgrundlage dient die Eingrenzung des Data Warehousing sowie die Entwicklung. Das Kapitel endet mit dem Aufbau des Data Warehousing. Die Erweiterung der Data Warehouse Struktur, wie zum Beispiel die Architektur von Real Time Systemen befindet sich im Kapitel 3. Zur besseren Erörterung erfolgt eine Differenzierung von Real und Right Time Data Warehousing im Abschnitt 3.2. Um einen tieferen Einblick geben zu können findet die Abgrenzung zum klassischen Modell im letzten Abschnitt unter 3.3 statt. Im vierten Abschnitt der Hausarbeit werden praktische Beispiele über das Real Time Data Warehousing vorgenommen. Entsprechend der individuellen Integrationsstrategien der Unternehmen stehen verschiedene Werkzeuge der Informationstechnologien für die operative Umsetzung der Informationsintegration zur Verfügung. Bei der Recherche bezüglich der Integrationswerkzeuge wurde deutlich, dass diese für Unternehmen nur von positivem Nutzen sein können. In Kapitel 5 werden die wesentlichen Aussagen kurz zusammengefasst. Darüber hinaus wird der Versuch unternommen, künftige Entwicklungen des Real

Data Warehousing Fundamentals for IT Professionals Mar 24 2022 CUTTING-EDGE CONTENT AND GUIDANCE FROM A DATA WAREHOUSING EXPERT—NOW EXPANDED TO REFLECT FIELD TRENDS Data warehousing has revolutionized the way businesses in a wide variety of industries perform analysis and make strategic decisions. Since the first edition of Data Warehousing Fundamentals, numerous enterprises have implemented data warehouse systems and reaped enormous benefits. Many more are in the process of doing so. Now, this new, revised edition covers the essential fundamentals of data warehousing and business intelligence as well as significant recent trends in the field. The author provides an enhanced, comprehensive overview of data warehousing together with in-depth explanations of critical issues in planning, design, deployment, and ongoing maintenance. IT professionals eager to get into the field will gain a clear understanding of techniques for data extraction from source systems, data cleansing, data transformations, data warehouse architecture and infrastructure, and the various methods for information delivery. This practical Second Edition highlights the areas of data warehousing and business intelligence where high-impact technological progress has been made. Discussions on developments include data marts, real-time information delivery, data visualization, requirements gathering methods, multi-tier architecture, OLAP applications, Web clickstream analysis, data warehouse appliances, and data mining techniques. The book also contains review questions and exercises for each chapter, appropriate for self-study or classroom work, industry examples of real-world situations, and several appendices with valuable information. Specifically written for professionals responsible for designing, implementing, or maintaining data warehousing systems, Data Warehousing Fundamentals presents agile, thorough, and systematic development principles for the IT professional and anyone working or researching in information management.

Data Warehouse Systems Dec 09 2020 With this textbook, Vaisman and Zimányi deliver excellent coverage of data warehousing and business intelligence technologies ranging from the most basic principles to recent findings and applications. To this end, their work is structured into three parts. Part I describes “Fundamental Concepts” including conceptual and logical data warehouse design, as well as querying using MDX, DAX and SQL/OLAP. This part also covers data analytics using Power BI and Analysis Services. Part II details “Implementation and Deployment,” including physical design, ETL and data warehouse design methodologies. Part III covers “Advanced Topics” and it is almost completely new in this second edition. This part includes chapters with an in-depth coverage of temporal, spatial, and mobility data warehousing. Graph data warehouses are also covered in detail using Neo4j. The last chapter extensively studies big data management and the usage of Hadoop, Spark, distributed, in-memory, columnar, NoSQL and NewSQL database systems, and data lakes in the context of analytical data processing. As a key characteristic of the book, most of the topics are presented and illustrated using application tools. Specifically, a case study based on the well-known Northwind database illustrates how the concepts presented in the book can be implemented using Microsoft Analysis Services and Power BI. All chapters have been revised and updated to the latest versions of the software tools used. KPIs and Dashboards are now also developed using DAX and Power BI, and the chapter on ETL has been expanded with the implementation of ETL processes in PostgreSQL. Review questions and exercises complement each chapter to support comprehensive student learning. Supplemental material to assist instructors using this book as a course text is available online and includes electronic versions of the figures, solutions to all exercises, and a set of slides accompanying each chapter. Overall, students, practitioners and researchers alike will find this book the most comprehensive reference work on data warehouses, with key topics described in a clear and educational style. “I can only invite you to dive into the contents of the book, feeling certain that once you have completed its reading (or maybe, targeted parts of it), you will join me in expressing our gratitude to Alejandro and Esteban, for providing such a comprehensive textbook for the field of data warehousing in the first place, and for keeping it up to date with the recent developments, in this current second edition.” From the foreword by Panos Vassiliadis, University of Ioannina, Greece.

Entwicklung von Data-Warehouse-Systemen Jul 04 2020 Den im Data Warehousing eingesetzten Technologien kann ein hoher Reifegrad attestiert werden, dennoch scheitern viele

Entwicklungsvorhaben. Verantwortlich hierfür sind oft mangelnde Fachbereichs- und Mitarbeiterorientierung, also weniger informationstechnische als viel mehr organisatorische Aspekte. Matthias Goeken setzt sich mit der Entwicklung von Data-Warehouse-Systemen, vor allem mit den frühen Phasen des Entwicklungsprozesses, auseinander. Er analysiert Phasenmodelle der Anwendungsentwicklung, Techniken und Aufgaben des Anforderungsmanagements sowie die Modellierung multidimensionaler Datenstrukturen. Auf dieser Grundlage entwirft er eine eigene Methode zur Entwicklung von Data-Warehouse-Systemen, die ein detailliertes Phasenmodell mit Aktivitäten, Techniken und Entwicklungsergebnissen umfasst, um den Anforderungen verschiedener Benutzergruppen gerecht zu werden.

DW 2.0 Mar 12 2021 Written by the "father of the data warehouse," this first book on the new generation of data warehouse architecture offers comprehensive coverage of the implementation of technology that enables the new generation of the DW.

Data Warehousing Fundamentals Sep 29 2022 Geared to IT professionals eager to get into the all-important field of data warehousing, this book explores all topics needed by those who design and implement data warehouses. Readers will learn about planning requirements, architecture, infrastructure, data preparation, information delivery, implementation, and maintenance. They'll also find a wealth of industry examples garnered from the author's 25 years of experience in designing and implementing databases and data warehouse applications for major corporations. Market: IT Professionals, Consultants.

E-Data Oct 07 2020 Dyche presents the complete manager's briefing on what data warehousing technology can do today and how to achieve optimal results. Using real-world case studies from Charles Schwab, Bank of America, Qantas, 20th Century Fox, and others, she covers decision support, database marketing, and many industry-specific data warehouse applications.

A Manager's Guide to Data Warehousing Aug 24 2019 Aimed at helping business and IT managers clearly communicate with each other, this helpful book addresses concerns straight-on and provides practical methods to building a collaborative data warehouse. You'll get clear explanations of the goals and objectives of each stage of the data warehouse lifecycle while learning the roles that both business managers and technicians play at each stage. Discussions of the most critical decision points for success at each phase of the data warehouse lifecycle help you understand ways in which both business and IT management can make decisions that best meet unified objectives.

Data Warehousing in the Real World May 02 2020 This is a practical, hands-on guide which explains tried-and-true techniques for developing data warehouses using relational databases and open system technology. Written in "cookbook" format, this book covers all stages of implementation from project planning and requirements analysis, through architecture and design, to administrative issues such as user access, security, and back-up/recovery.

Erfolg in Data-Warehouse-Projekten: Eine praxisnahe Analyse von Erfolgsfaktoren und -kriterien Aug 17 2021 Zielgruppen dieses Fachbuches sind neben Studierenden insbesondere Unternehmen, welche die Einführung eines Data-Warehouse-Systems (DWH) planen oder in der Implementierungsphase Hilfestellungen und Erfahrungswerte auf Basis der letzten Dekade suchen. Diese können bei Priorisierungen und der Suche nach Lösungswegen bei auftretenden Problemen mögliche kritische Erfolgsfaktoren sowie deren Auswirkungen auf ein DWH-Projekt aufzeigen. Daher wurde der Stand der Forschung in Bezug auf kritische Erfolgsfaktoren praxisnah untersucht und ausgewertet. Darüber hinaus wurde eine Analyse von relevanten Data-Warehouse-Erfolgsmessgrößen durchgeführt, um die Auswirkungen bestimmter Erfolgsfaktoren auf Erfolge in Data-Warehouse-Projekten vergleichen zu können.

Building a Data Warehouse Dec 21 2021 Building a Data Warehouse: With Examples in SQL Server describes how to build a data warehouse completely from scratch and shows practical examples on how to do it. Author Vincent Rainardi also describes some practical issues he has experienced that developers are likely to encounter in their first data warehousing project, along with solutions and advice. The relational database management system (RDBMS) used in the examples is SQL Server; the version will not be an issue as long as the user has SQL Server 2005 or later. The book is organized as follows. In the beginning of this book (chapters 1 through 6), you learn how to build a data warehouse, for example, defining the architecture, understanding the methodology, gathering the requirements, designing the data models, and creating the databases. Then in chapters 7 through 10, you learn how to populate the data warehouse, for example, extracting from source systems, loading the data stores, maintaining data quality, and utilizing the metadata. After you populate the data warehouse, in chapters 11 through 15, you explore how to present data to users using reports and multidimensional databases and how to use the data in the data warehouse for business intelligence, customer relationship management, and other purposes. Chapters 16 and 17 wrap up the book: After you have built your data warehouse, before it can be released to production, you need to test it thoroughly. After your application is in production, you need to understand how to administer data warehouse operation. What you'll learn A detailed understanding of what it takes to build a data warehouse The implementation code in SQL Server to build the data warehouse Dimensional modeling, data extraction methods, data warehouse loading, populating dimension and fact tables, data quality, data warehouse architecture, and database design Practical data warehousing applications such as business intelligence reports, analytics applications, and customer relationship management Who this book is for There are three audiences for the book. The first are the people who implement the data warehouse. This could be considered a field guide for them. The second is database users/admins who want to get a good understanding of what it would take to build a data warehouse. Finally, the third audience is managers who must make decisions about aspects of the data warehousing task before them and use the book to learn about these issues.

Das Data Warehouse-Konzept Jan 28 2020 Die Popularität des Data Warehouse-Konzepts unterstreicht die Notwendigkeit einer besseren Informationsbasis für Entscheidungsträger aller Managementebenen. In der 4. Auflage wurden alle Kapitel vollständig überarbeitet. Neu hinzugekommen sind Beiträge zur Datensicherheit. Das Thema Modellierung hat stärkeres Gewicht bekommen. Die Erfahrungsberichte orientieren sich nach einzelnen Branchen: Banken, Versicherungen, Dienstleistungen und Industrie.

Data Warehouse Oct 26 2019 Data warehousing is one of the hottest topics in the computing industry. Written by Barry Devlin, one of the world's leading experts on data warehousing, this book gives you the insights and experiences gained over 10 years and offers the most comprehensive, practical guide to designing, building, and implementing a successful data warehouse. Included in this vital information is an explanation of the optimal three-tiered architecture for the data warehouse, with a clear division between data and information. Information systems managers will appreciate the full description of the functions needed to implement such an architecture, including reconciling existing, diverse data and deriving consistent, valuable business information.

Data Warehousing Strategie Jun 26 2022 Data Warehousing ist seit einigen Jahren in vielen Branchen ein zentrales Thema. Die anfängliche Euphorie täuschte jedoch darüber hinweg, dass zur praktischen Umsetzung gesicherte Methoden und Vorgehensmodelle fehlten. Dieses Buch stellt einen Beitrag zur Überwindung dieser Lücke zwischen Anspruch und Wirklichkeit dar. Es gibt im ersten Teil einen Überblick über aktuelle Ergebnisse im Bereich des Data Warehousing mit einem Fokus auf methodischen und betriebswirtschaftlichen Aspekten. Es finden sich u.a. Beiträge zur Wirtschaftlichkeitsanalyse, zur organisatorischen Einbettung des Data Warehousing, zum Datenqualitätsmanagement, zum integrierten Metadatenmanagement und zu datenschutzrechtlichen Aspekten sowie ein Beitrag zu möglichen zukünftigen Entwicklungsrichtungen des Data Warehousing. Im zweiten Teil berichten Projektleiter umfangreicher Data Warehousing-Projekte über Erfahrungen und Best Practices.

Data Mining and Data Warehousing Jun 02 2020 Provides a comprehensive textbook covering theory and practical examples for a course on data mining and data warehousing.

The Data Warehouse ETL Toolkit Dec 29 2019 Cowritten by Ralph Kimball, the world's leading data warehousing authority, whose previous books have sold more than 150,000 copies Delivers real-world solutions for the most time- and labor-intensive portion of data warehousing-data staging, or the extract, transform, load (ETL) process Delineates best practices for extracting data from scattered sources, removing redundant and inaccurate data, transforming the remaining data into correctly formatted data structures, and then loading the end product into the data warehouse Offers proven time-saving ETL techniques, comprehensive guidance on building dimensional structures, and crucial advice on ensuring data quality

Data Warehouse - Anforderungen an ein Unternehmen Oct 19 2021 Studienarbeit aus dem Jahr 2005 im Fachbereich Informatik - Wirtschaftsinformatik, Note: 1,3, HAWK Hochschule für angewandte Wissenschaft und Kunst - Fachhochschule Hildesheim, Holzminden, Göttingen (Betriebswirtschaft), Veranstaltung: Wirtschaftsinformatik, 11 Quellen im Literaturverzeichnis, Sprache: Deutsch, Abstract: In dieser Hausarbeit möchte ich aufzeigen, was unter dem Begriff Data Warehouse und Data Warehouse-System zu verstehen ist, wie eine mögliche Architektur aussehen kann, welche Vorteile ein integriertes Data Warehouse-System bietet, welche Lösungen bisher bekannt sind und wie sich das Data Warehouse in der Fachabteilung CTG3 (Wirtschaftlichkeit und Rechnungswesen) der Robert Bosch Elektronik GmbH in Salzgitter als entscheidungsunterstützendes Hilfsmittel anbietet. Zentrale Begrifflichkeiten der vorliegenden Arbeit sind in der Literatur und im allgemeinen Sprachgebrauch häufig mit den unterschiedlichsten Bedeutungen belegt. Um Missverständnisse und Fehlinterpretationen zu vermeiden, werden die Begriffe Data Warehouse, System und Data Warehouse-System im Detail berücksichtigt. Im folgenden werde ich den Begriff Data Warehouse mit DWH abkürzen.

Building the Data Warehouse Aug 29 2022 The new edition of the classic bestseller that launched the data warehousing industry covers new approaches and technologies, many of which have been pioneered by Inmon himself In addition to explaining the fundamentals of data warehouse systems, the book covers new topics such as methods for handling unstructured data in a data warehouse and storing data across multiple storage media Discusses the pros and cons of relational versus multidimensional design and how to measure return on investment in planning data warehouse projects Covers advanced topics, including data monitoring and testing Although the book includes an extra 100 pages worth of valuable content, the price has actually been reduced from \$65 to \$55

Datenintensive Anwendungen designen Jun 14 2021 Daten stehen heute im Mittelpunkt vieler Herausforderungen im Systemdesign. Dabei sind komplexe Fragen wie Skalierbarkeit, Konsistenz, Zuverlässigkeit, Effizienz und Wartbarkeit zu klären. Darüber hinaus verfügen wir über eine überwältigende Vielfalt an Tools, einschließlich relationaler Datenbanken, NoSQL-Datenspeicher, Stream- und Batchprocessing und Message Broker. Aber was verbirgt sich hinter diesen Schlagworten? Und was ist die richtige Wahl für Ihre Anwendung? In diesem praktischen und umfassenden Leitfaden unterstützt Sie der Autor Martin Kleppmann bei der Navigation durch dieses schwierige Terrain, indem er die Vor- und Nachteile verschiedener Technologien zur Verarbeitung und Speicherung von Daten aufzeigt. Software verändert sich ständig, die Grundprinzipien bleiben aber gleich. Mit diesem Buch lernen Softwareentwickler und -architekten, wie sie die Konzepte in der Praxis umsetzen und wie sie Daten in modernen Anwendungen optimal nutzen können. Inspizieren Sie die Systeme, die Sie bereits verwenden, und erfahren Sie, wie Sie sie effektiver nutzen können Treffen Sie fundierte Entscheidungen, indem Sie die Stärken und Schwächen verschiedener Tools kennenlernen Steuern Sie die notwendigen Kompromisse in Bezug auf Konsistenz, Skalierbarkeit, Fehlertoleranz und Komplexität Machen Sie sich vertraut mit dem Stand der Forschung zu verteilten Systemen, auf denen moderne Datenbanken aufbauen Werfen Sie einen Blick hinter die Kulissen der wichtigsten Onlinedienste und lernen Sie von deren Architekturen