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Information Quality and Governance for Business Intelligence - Yeoh, William 2013-12-31

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

Enterprise Information Systems - David L. Olson 2009

This book analyzes various aspects of enterprise information systems (EIS), including enterprise resource planning, customer relationship management, supply chain management systems, and business process reengineering. It describes the evolution and functions of these systems, focusing on issues related to their implementation and upgrading. Enhanced with pedagogical features, the book can be read by graduate and undergraduate students, as well as senior management and executives involved in the study and evaluation of EIS.

Open Source Data Warehousing and Business Intelligence - Lakshman Bulusu 2012-08-06

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 & BI implementation, its comprehensive coverage spans from basic concepts all the way through to customization. Highlighting the key differences between open source and vendor DW and BI technologies, the book identifies end-to-end solutions that are scalable, high performance, and stable. It illustrates the practical aspects of implementing and using open source DW and BI technologies to supply you with valuable on-the-project experience that can help you improve implementation and productivity. Emphasizing analysis, design, and programming, the text explains best-fit solutions as well as how to maximize ROI. Coverage includes data warehouse design, real-time processing, data integration, presentation services, and real-time reporting. With a focus on real-world applications, the author devotes an entire section to powerful implementation best practices that can help you build customer confidence while saving valuable time, effort, and resources.

Encyclopedia of Business Analytics and Optimization - Wang, John 2014-02-28

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.

Oracle Business Intelligence Enterprise Edition 12c - Adrian Ward 2017-04-20

A comprehensive guide from Oracle experts, that will act as your single point of reference for building an

Oracle BI 12c system that turns data in actionable insight. About This Book Come, start your first Oracle Business intelligence system and excel in BI with this exhaustive guide An all-encompassing guide for your Oracle business intelligence needs Learn from the self-paced professional guidance and implement Oracle business intelligence using this easy-to-follow guide by our experts Who This Book Is For If your job includes working on data, improving the financial or operational performance of your organization or you are a consultant for the above, then this book is for you. If you have been placed on a business intelligence project, then this book is for you. If you are the Project Manager, Business Analyst or Data Scientist then this book is for you. If you are an end user of Oracle Business Intelligence, then this book is for you too. Having a basic understanding of databases and the use of Business Intelligence is expected, but no knowledge of Oracle BI is required. What You Will Learn Install OBIEE in Windows, including how to create the underlying Weblogic Application server and the required database Build the BI system repository, the vital engine connecting your data to the front end of Oracle BI Develop effective analysis, draw out meaning from the data, and present it to end users on interactive dashboards Build pixel-perfect, printable reports using the embedded BI Publisher feature Build agents for actionable insight and enable your users to act on Business Intelligence at their desktop or on the move Understand the various aspects of securing the Oracle BI system, from data restrictions to whole dashboard access rights Get acquainted with the system management tools and methods available for the continuous improvement of your system In Detail Oracle Business Intelligence Enterprise Edition (OBIEE) 12c is packed full of features and has a fresh approach to information presentation, system management, and security. OBIEE can help any organization to understand its data, to make useful information from data, and to ensure decision-making is supported by facts. OBIEE can focus on information that needs action, alerting users when conditions are met. OBIEE can be used for data analysis, form production, dashboarding, and workflow processes. We will introduce you to OBIEE features and provide a step-by-step guide to build a complete system from scratch. With this guide, you will be equipped with a good basic understanding of what the product contains, how to install and configure it, and how to create effective Business Intelligence. This book contains the necessary information for a beginner to create a high-performance OBIEE 12c system. This book is also a guide that explains how to use an existing OBIEE 12c system, and shows end users how to create. Style and approach This book will take you from one feature to another in a step-by-step manner and will teach how you can create effective business intelligence using Oracle Business Intelligence Enterprise Edition. You will be taught how to create BI solutions and dashboards from scratch. There will be multiple modules in the book, each module spread in chapters, that will cover one aspect of business intelligence in a systematic manner. **Business Intelligence with Microsoft® Office PerformancePoint™ Server 2007** - Craig Utley 2008-02-12

Deliver BI Solutions with Microsoft Office PerformancePoint Server 2007 Maximize the powerful BI tools available in PerformancePoint 2007 with help from this practical guide. You will learn how to collect and store data, monitor progress, analyze performance, distribute dynamic reports, and create maintainable projects and forecasts. Business Intelligence with Microsoft Office PerformancePoint Server 2007 provides full details on creating scorecards and dashboards, performing advanced analysis on data, and setting up business plans. You will also learn how to integrate PerformancePoint with ProClarity, Excel 2007, and SQL

Server Reporting Services. Configure, deploy, and secure all the PerformancePoint components Create KPIs, scorecards, reports, and dashboards with the Dashboard Designer Create business models with the Planning Business Modeler and create budgets and forecasts with Excel 2007 Enable advanced data analysis with PerformancePoint Server and ProClarity tools Take advantage of the enhanced analytic capabilities of Excel 2007 Use SQL Server Reporting Services for analytics Align performance with organizational objectives

Practical Business Intelligence with SQL Server 2005 - John C. Hancock 2006-08-28

Design, Build, and Manage High-Value BI Solutions with SQL Server 2005 In this book, two of Microsoft's leading consultants illustrate how to use SQL Server 2005 Business Intelligence (BI) technologies to solve real-world problems in markets ranging from retail and finance to healthcare. Drawing on extensive personal experience with Microsoft's strategic customers, John C. Hancock and Roger Toren offer unprecedented insight into BI systems design and step-by-step best practices for implementation, deployment, and management. Hancock and Toren introduce practical BI concepts and terminology and provide a concise primer on the Microsoft BI platform. Next, they turn to the heart of the book—constructing solutions. Each chapter-length case study begins with the customer's business goals, and then guides you through detailed data modeling. The case studies show how to avoid the pitfalls that derail many BI projects. You'll translate each model into a working system and learn how to deploy it into production, maintenance, and efficient operation. Whether you're a decision-maker, architect, developer, or DBA, this book brings together all the knowledge you'll need to derive maximum business value from any BI project. • Leverage SQL Server 2005 databases, Integration Services, Analysis Services, and Reporting Services • Build data warehouses and extend them to support very large databases • Design effective Analysis Services databases • Ensure the superior data quality your BI system needs • Construct advanced enterprise scorecard applications • Use data mining to segment customers, cross-sell, and increase the value of each transaction • Design real-time BI applications • Get hands-on practice with SQL Server 2005's BI toolset

Business Intelligence - David Loshin 2012-11-27

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

Multidimensional Analytics: Delivered with InfoSphere Warehouse Cubing Services - Chuck Ballard 2009-04-27

In this IBM Redbooks publication, we discuss and describe a multidimensional data warehousing infrastructure that can enable solutions for complex problems in an efficient and effective manner. The focus of this infrastructure is the InfoSphere Warehouse Cubing Services Feature. With this feature, DB2 becomes the data store for large volumes of data that you can use to perform multidimensional analysis,

which enables viewing complex problems from multiple perspectives, which provides more information for management business decision making. This feature supports analytic tool interfaces from powerful data analysis tools, such as Cognos 8 BI, Microsoft Excel, and Alphablox. This is a significant capability that supports and enhances the analytics that clients use as they work to resolve problems with an ever growing scope, dimension, and complexity. Analyzing problems by performing more detailed queries on the data and viewing the results from multiple perspectives yields significantly more information and insight. Building multidimensional cubes based on underlying DB2 relational tables, without having to move or replicate the data, enables significantly more powerful data analysis with less work and leads to faster problem resolution with the capability for more informed management decision making. This capability is known as No Copy Analytics and is made possible with InfoSphere Warehouse Cubing Services.

Delivering Data Analytics - Nicholas Kelly 2021-12-03

The importance of data analytics is well known, but how can you get end users to engage with analytics and business intelligence (BI) when adoption of new technology can be frustratingly slow or may not happen at all? Avoid wasting time on dashboards and reports that no one uses with this practical guide to increasing analytics adoption by focusing on people and process, not technology. Pulling together agile, UX and change management principles, Delivering Data Analytics outlines a step-by-step, technology agnostic process designed to shift the organizational data culture and gain buy-in from users and stakeholders at every stage of the project. This book outlines how to succeed and build trust with stakeholders amid the politics, ambiguity and lack of engagement in business. With case studies, templates, checklists and scripts based on the author's considerable experience in analytics and data visualisation, this book covers the full cycle from requirements gathering and data assessment to training and launch. Ensure lasting adoption, trust and, most importantly, actionable business value with this roadmap to creating user-centric analytics projects.

Computerworld - 2003-09-15

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Customer Relationship Management using Business Intelligence - Graham Sturdy 2012-11-15

This is an important text for all students and practitioners of Business Intelligence (BI) and Customer Relationship Management (CRM). It provides a comprehensive resource for understanding and implementing Enterprise Resource Planning (ERP) and BI solutions within the organisational context. It provides an in-depth coverage of all key areas relating to the implementation of ERP and BI systems. It provides unique practical guidance on implementing ERP and BI strategies as formulated by the author and a range of academic practitioners and industry experts. Importantly, it demonstrates how these systems can be implemented in a real-world environment and in a way that provides strategic alignment that is compatible with the strategic vision of the organisation. The author presents a "BI Psychology Adoption Model" which represents new and innovative thinking in relation to how employees within organisations react to the introduction of new technology within the workplace.

Delivering Business Intelligence With Microsoft Sql Server" 2008 - Brian Larson 2009

With help from this fully updated bestselling book, database professionals will be able to transform disparate enterprise data into actionable Business Intelligence. Covering all the new and improved BI features available in SQL Server 2008, the book shows you how to put timely, mission-critical information in the hands of employees across the organization. Delivering Business Intelligence with Microsoft SQL Server 2008 begins with a discussion of BI, defining what it is and why it is important in today's business environment. After laying this foundation, the book works through the entire BI lifecycle: defining the analysis database; analyzing the data; mining the data; and delivering BI. Several analysis databases will be built and used for examples throughout the book.

Next-Generation Business Intelligence Software with Silverlight 3 - Bart Czernicki 2011-02-02

Business intelligence (BI) software is the code and tools that allow you to view different components of a business using a single visual platform, making comprehending mountains of data easier. Applications that

include reports, analytics, statistics, and historical and predictive modeling are all examples of BI applications. Currently, we are in the second generation of BI software, called BI 2.0. This generation is focused on writing BI software that is predictive, adaptive, simple, and interactive. As computers and software have evolved, more data can be presented to end users with increasingly visually rich techniques. Rich Internet application (RIA) technologies such as Microsoft Silverlight can be used to transform traditional user interfaces filled with boring data into fully interactive analytical applications to deliver insight from large data sets quickly. Furthermore, RIAs include 3D spatial design capabilities that allow for interesting layouts of aggregated data beyond a simple list or grid. BI 2.0 implemented via RIA technology can truly bring out the power of BI and deliver it to an average user via the Web. Next-Generation Business Intelligence Software with Rich Internet Applications provides developers, designers, and architects a solid foundation of BI design and architecture concepts with Microsoft Silverlight. This book covers key BI design concepts and how they can be applied without requiring an existing BI infrastructure. The author, Bart Czernicki, will show you how to build small BI applications by example that are interactive, highly visual, statistical, predictive, and most importantly, intuitive to the user. BI isn't just for the executive branch of a Fortune 500 company; it is for the masses. Let Next-Generation Business Intelligence Software with Rich Internet Applications show you how to unlock the rich intelligence you already have.

Electronic Supply Network Coordination in Intelligent and Dynamic Environments: Modeling and Implementation - Mahdavi, Iraj 2010-10-31

"This book presents cutting-edge knowledge on scientific approaches to the management of supply networks in a highly informed global environment with abundant dynamic and uncertain challenges"-- Provided by publisher.

SharePoint 2010 All-in-One For Dummies - Emer McKenna 2010-10-15

Simplify SharePoint with this comprehensive, understandable guide SharePoint is a Microsoft technology that enables project collaboration through a single portal. It can be complex, but not when approached the Dummies way! This guide offers eight self-contained minibooks that examine each aspect of SharePoint 2010. Whether you're an experienced administrator or developer or you're just getting your feet wet, you'll find it's easy to locate what you need and learn to install, configure, and manage a SharePoint portal. You can dig as deeply into SharePoint as you want or need to. SharePoint 2010 is the newest version of collaboration technology that allows you to aggregate SharePoint sites, information, and applications into a single portal Administrators, page producers, and developers will be able to get SharePoint installed, configured, and running with the advice in this guide Eight minibooks address the Microsoft Office SharePoint system, SharePoint services, collaboration, SharePoint Server, enterprise content management, managing users, architecting SharePoint, and SharePoint deployment Covers planning, installation, configuration, performance, troubleshooting, data structure, and more If you work with SharePoint, you'll find Microsoft SharePoint 2010 All-in-One For Dummies provides what you need to get starting and keep going with SharePoint 2010.

Microsoft SharePoint 2010 Business Intelligence Unleashed - Steven Mann 2011-05-01

SharePoint 2010 is today's leading presentation and deployment system for Business Intelligence (BI) solutions based on Microsoft technologies. This book brings together all the information you need to successfully implement and use SharePoint 2010's powerful BI capabilities. It reflects the unsurpassed real-world experience of five expert consultants at RDA, a Microsoft Gold Partner specializing in delivering advanced BI solutions with SharePoint. You'll first learn how to prepare SharePoint 2010 for the deployment of BI solutions. Next, the authors walk through integrating, configuring, and using Reporting Services, PerformancePoint Services, PowerPivot, Visio Services, and other key related technologies. Building on what you've learned, you'll walk step-by-step through constructing and integrating two end-to-end BI solutions. Finally, in a comprehensive troubleshooting section, the authors present today's most common SharePoint BI issues, identify proven solutions, and teach effective problem-solving techniques. Get started fast, by using the Business Intelligence Center's prebuilt site collection and template Build integrated, end-to-end SharePoint BI solutions Present business data to the enterprise through Excel Services Install, configure, and integrate Reporting Services and the Reporting Services Add-In for SharePoint Define document library content types and manage reports Use Report Viewer Web Parts to

render reports on SharePoint web pages Build enterprise dashboards with PerformancePoint Services Secure dashboards via data source delegation, SharePoint permissions, and groups Analyze enormous datasets with PowerPivot for Excel and SharePoint Publish Visio 2010 data-driven web diagrams that integrate multiple data sources Utilize the fine-grained security available through Visio Graphics Service Troubleshoot problems with Reporting Services, PerformancePoint Services, PowerPivot, and Visio Services

Practical Business Intelligence - Ahmed Sherif 2016-12-21

Learn to get the most out of your business data to optimize your business About This Book This book will enable and empower you to break free of the shackles of spreadsheets Learn to make informed decisions using the data at hand with this highly practical, comprehensive guide This book includes real-world use cases that teach you how analytics can be put to work to optimize your business Using a fictional transactional dataset in raw form, you'll work your way up to ultimately creating a fully-functional warehouse and a fleshed-out BI platform Who This Book Is For This book is for anyone who has wrangled with data to try to perform automated data analysis through visualizations for themselves or their customers. This highly-customized guide is for developers who know a bit about analytics but don't know how to make use of it in the field of business intelligence. What You Will Learn Create a BI environment that enables self-service reporting Understand SQL and the aggregation of data Develop a data model suitable for analytical reporting Connect a data warehouse to the analytic reporting tools Understand the specific benefits behind visualizations with D3.js, R, Tableau, QlikView, and Python Get to know the best practices to develop various reports and applications when using BI tools Explore the field of data analysis with all the data we will use for reporting In Detail Business Intelligence (BI) is at the crux of revolutionizing enterprise. Everyone wants to minimize losses and maximize profits. Thanks to Big Data and improved methodologies to analyze data, Data Analysts and Data Scientists are increasingly using data to make informed decisions. Just knowing how to analyze data is not enough, you need to start thinking how to use data as a business asset and then perform the right analysis to build an insightful BI solution. Efficient BI strives to achieve the automation of data for ease of reporting and analysis. Through this book, you will develop the ability to think along the right lines and use more than one tool to perform analysis depending on the needs of your business. We start off by preparing you for data analytics. We then move on to teach you a range of techniques to fetch important information from various databases, which can be used to optimize your business. The book aims to provide a full end-to-end solution for an environment setup that can help you make informed business decisions and deliver efficient and automated BI solutions to any company. It is a complete guide for implementing Business intelligence with the help of the most powerful tools like D3.js, R, Tableau, Qlikview and Python that are available on the market. Style and approach Packed with real-world examples, this pragmatic guide helps you polish your data and make informed decisions for your business. We cover both business and data analysis perspectives, blending theory and practical hands-on work so that you perceive data as a business asset.

Business-Oriented Enterprise Integration for Organizational Agility - Robin G. Qiu 2013-04-30

"This book explores technical integration challenges with a focus on identifying a viable solution on how to enable rich, flexible, and responsive information links, in support of the changing business operations across organizations"--Provided by publisher.

Delivering Business Intelligence with Microsoft SQL Server 2005 - Brian Larson 2006-02-14

Transform disparate enterprise data into actionable business intelligence Put timely, mission-critical information in the hands of employees across your organization using Microsoft SQL Server 2005 and the comprehensive information in this unique resource. Delivering Business Intelligence with Microsoft SQL Server 2005 shows you, step-by-step, how to author, customize, and distribute information that will give your company the competitive edge. It's all right here--from data mining, warehousing, and scripting techniques to MDX queries, KPI analysis, and the all-new Unified Dimensional Model. Real-world examples, start-to-finish exercises, and downloadable code throughout illustrate all of the integration, analysis, and reporting capabilities of SQL Server 2005.

Oracle Data Warehousing and Business Intelligence Solutions - Robert Stackowiak 2007-01-06

Up-to-date, comprehensive coverage of the Oracle database and business intelligence tools Written by a team of Oracle insiders, this authoritative book provides you with the most current coverage of the Oracle

data warehousing platform as well as the full suite of business intelligence tools. You'll learn how to leverage Oracle features and how those features can be used to provide solutions to a variety of needs and demands. Plus, you'll get valuable tips and insight based on the authors' real-world experiences and their own implementations. Avoid many common pitfalls while learning best practices for: Leveraging Oracle technologies to design, build, and manage data warehouses Integrating specific database and business intelligence solutions from other vendors Using the new suite of Oracle business intelligence tools to analyze data for marketing, sales, and more Handling typical data warehouse performance challenges Uncovering initiatives by your business community, security business sponsorship, project staffing, and managing risk

The Profit Impact of Business Intelligence - Steve Williams 2010-07-27

The Profit Impact of Business Intelligence presents an A-to-Z approach for getting the most business intelligence (BI) from a company's data assets or data warehouse. BI is not just a technology or methodology, it is a powerful new management approach that - when done right - can deliver knowledge, efficiency, better decisions, and profit to almost any organization that uses it. When BI first came on the scene, it promised a lot but often failed to deliver. The missing element was the business-centric focus explained in this book. It shows how you can achieve the promise of BI by connecting it to your organization's strategic goals, culture, and strengths while correcting your BI weaknesses. It provides a practical, process-oriented guide to achieve the full promise of BI; shows how world-class companies used BI to become leaders in their industries; helps senior business and IT executives understand the strategic impact of BI and how they can ensure a strong payoff from their BI investments; and identifies the most common mistakes organizations make in implementing BI. The book also includes a helpful glossary of BI terms; a BI readiness assessment for your organization; and Web links and extensive references for more information. A practical, process-oriented book that will help organizations realize the promise of BI

Written by Nancy and Steve Williams, veteran consultants and instructors with hands-on, "in the trenches" experience in government and corporate business intelligence applications Will help senior business and IT executives understand the strategic impact of BI and how they can help ensure a strong payoff on BI investments

IBM Smart Analytics Cloud - Lydia Parziale 2010-09-30

This IBM Redbooks® publication presents a Smart Analytics Cloud. The IBM Smart Analytics Cloud is an IBM offering to enable delivery of business intelligence and analytics at the customer location in a private cloud deployment. The offering leverages a combination of IBM hardware, software and services to offer customers a complete solution that is enabled at their site. In this publication, we provide the background and product information for decision-makers to proceed with a cloud solution. The content ranges from an introduction to cloud computing to details about our lab implementation. The core of the book discusses the business value, architecture, and functionality of a Smart Analytics Cloud. To provide deeper perspective, documentation is also provided about implementation of one specific Smart Analytics Cloud solution that we created in our lab environment. Additionally, we also describe the IBM Smart Analytics Cloud service offering that can help you create your own Smart Analytics cloud solution that is tailored to your business needs.

Fundamentals of Business Intelligence - Wilfried Grossmann 2015-06-02

This book presents a comprehensive and systematic introduction to transforming process-oriented data into information about the underlying business process, which is essential for all kinds of decision-making. To that end, the authors develop step-by-step models and analytical tools for obtaining high-quality data structured in such a way that complex analytical tools can be applied. The main emphasis is on process mining and data mining techniques and the combination of these methods for process-oriented data. After a general introduction to the business intelligence (BI) process and its constituent tasks in chapter 1, chapter 2 discusses different approaches to modeling in BI applications. Chapter 3 is an overview and provides details of data provisioning, including a section on big data. Chapter 4 tackles data description, visualization, and reporting. Chapter 5 introduces data mining techniques for cross-sectional data. Different techniques for the analysis of temporal data are then detailed in Chapter 6. Subsequently, chapter 7 explains techniques for the analysis of process data, followed by the introduction of analysis techniques for

multiple BI perspectives in chapter 8. The book closes with a summary and discussion in chapter 9.

Throughout the book, (mostly open source) tools are recommended, described and applied; a more detailed survey on tools can be found in the appendix, and a detailed code for the solutions together with instructions on how to install the software used can be found on the accompanying website. Also, all concepts presented are illustrated and selected examples and exercises are provided. The book is suitable for graduate students in computer science, and the dedicated website with examples and solutions makes the book ideal as a textbook for a first course in business intelligence in computer science or business information systems. Additionally, practitioners and industrial developers who are interested in the concepts behind business intelligence will benefit from the clear explanations and many examples.

Intelligent Credit Scoring - Naeem Siddiqi 2017-01-10

A better development and implementation framework for credit risk scorecards Intelligent Credit Scoring presents a business-oriented process for the development and implementation of risk prediction scorecards. The credit scorecard is a powerful tool for measuring the risk of individual borrowers, gauging overall risk exposure and developing analytically driven, risk-adjusted strategies for existing customers. In the past 10 years, hundreds of banks worldwide have brought the process of developing credit scoring models in-house, while 'credit scores' have become a frequent topic of conversation in many countries where bureau scores are used broadly. In the United States, the 'FICO' and 'Vantage' scores continue to be discussed by borrowers hoping to get a better deal from the banks. While knowledge of the statistical processes around building credit scorecards is common, the business context and intelligence that allows you to build better, more robust, and ultimately more intelligent, scorecards is not. As the follow-up to Credit Risk Scorecards, this updated second edition includes new detailed examples, new real-world stories, new diagrams, deeper discussion on topics including WOE curves, the latest trends that expand scorecard functionality and new in-depth analyses in every chapter. Expanded coverage includes new chapters on defining infrastructure for in-house credit scoring, validation, governance, and Big Data. Black box scorecard development by isolated teams has resulted in statistically valid, but operationally unacceptable models at times. This book shows you how various personas in a financial institution can work together to create more intelligent scorecards, to avoid disasters, and facilitate better decision making. Key items discussed include: Following a clear step by step framework for development, implementation, and beyond Lots of real life tips and hints on how to detect and fix data issues How to realise bigger ROI from credit scoring using internal resources Explore new trends and advances to get more out of the scorecard Credit scoring is now a very common tool used by banks, Telcos, and others around the world for loan origination, decisioning, credit limit management, collections management, cross selling, and many other decisions. Intelligent Credit Scoring helps you organise resources, streamline processes, and build more intelligent scorecards that will help achieve better results.

The New Era of Enterprise Business Intelligence - Mike Biere 2010-08-15

A Complete Blueprint for Maximizing the Value of Business Intelligence in the Enterprise The typical enterprise recognizes the immense potential of business intelligence (BI) and its impact upon many facets within the organization—but it's not easy to transform BI's potential into real business value. In The New Era of Enterprise Business Intelligence, top BI expert Mike Biere presents a complete blueprint for creating winning BI strategies and infrastructure, and systematically maximizing the value of information throughout the enterprise. This product-independent guide brings together start-to-finish guidance and practical checklists for every senior IT executive, planner, strategist, implementer, and the actual business users themselves. Drawing on thousands of hours working with enterprise customers, Biere helps decision-makers choose from today's unprecedented spectrum of options, including the latest BI platform suites and appliances. He offers practical, "in-the-trenches" insights on a wide spectrum of planning and implementation issues, from segmenting and supporting users to working with unstructured data. Coverage includes Understanding the scope of today's BI solutions and how they fit into existing infrastructure Assessing new options such as SaaS and cloud-based technologies Avoiding technology biases and other "project killers" Developing effective RFIs/RFPs and proofs of concept Setting up competency centers and planning for skills development Crafting a better experience for all your business users Supporting the requirements of senior executives, including performance management Cost-justifying BI solutions and

measuring success Working with enterprise content management, text analytics, and search Planning and constructing portals, mashups, and other user interfaces Previewing the future of BI

Delivering Business Analytics - Evan Stubbs 2013-02-26

AVOID THE MISTAKES THAT OTHERS MAKE - LEARN WHAT LEADS TO BEST PRACTICE AND

KICKSTART SUCCESS This groundbreaking resource provides comprehensive coverage across all aspects of business analytics, presenting proven management guidelines to drive sustainable differentiation.

Through a rich set of case studies, author Evan Stubbs reviews solutions and examples to over twenty common problems spanning managing analytics assets and information, leveraging technology, nurturing skills, and defining processes. Delivering Business Analytics also outlines the Data Scientist's Code, fifteen principles that when followed ensure constant movement towards effective practice. Practical advice is offered for addressing various analytics issues; the advantages and disadvantages of each issue's solution; and how these solutions can optimally create organizational value. With an emphasis on real-world examples and pragmatic advice throughout, Delivering Business Analytics provides a reference guide on: The economic principles behind how business analytics leads to competitive differentiation The elements which define best practice The Data Scientist's Code, fifteen management principles that when followed help teams move towards best practice Practical solutions and frequent missteps to twenty-four common problems across people and process, systems and assets, and data and decision-making Drawing on the successes and failures of countless organizations, author Evan Stubbs provides a densely packed practical reference on how to increase the odds of success in designing business analytics systems and managing teams of data scientists. Uncover what constitutes best practice in business analytics and start achieving it with Delivering Business Analytics.

Microsoft Business Intelligence Tools for Excel Analysts - Michael Alexander 2014-04-17

Bridge the big data gap with Microsoft Business Intelligence Tools for Excel Analysts The distinction between departmental reporting done by business analysts with Excel and the enterprise reporting done by IT departments with SQL Server and SharePoint tools is more blurry now than ever before. With the introduction of robust new features like PowerPivot and Power View, it is essential for business analysts to get up to speed with big data tools that in the past have been reserved for IT professionals. Written by a team of Business Intelligence experts, Microsoft Business Intelligence Tools for Excel Analysts introduces business analysts to the rich toolset and reporting capabilities that can be leveraged to more effectively source and incorporate large datasets in their analytics while saving them time and simplifying the reporting process. Walks you step-by-step through important BI tools like PowerPivot, SQL Server, and SharePoint and shows you how to move data back and forth between these tools and Excel Shows you how to leverage relational databases, slice data into various views to gain different visibility perspectives, create eye-catching visualizations and dashboards, automate SQL Server data retrieval and integration, and publish dashboards and reports to the web Details how you can use SQL Server's built-in functions to analyze large amounts of data, Excel pivot tables to access and report OLAP data, and PowerPivot to create powerful reporting mechanisms You'll get on top of the Microsoft BI stack and all it can do to enhance Excel data analysis with this one-of-a-kind guide written for Excel analysts just like you.

Business Intelligence and the Cloud - Michael S. Gendron 2014-05-12

How to measure cloud computing options and benefits to impact business intelligence infrastructure This book is a guide for managers and others involved in using cloud computing to create business value. It starts with a discussion of the media hype around cloud computing and attempt to pull together what industry experts are saying in order to create a unified definition. Once this foundation is created—assisting the reader's understanding of what cloud computing is—the discussion moves to getting business benefits from cloud computing. Lastly, the discussion focuses on examples of cloud computing, public clouds, private clouds, and virtualization. The book emphasizes how these technologies can be used to create business value and how they can be integrated into an organizations business intelligence system. It helps the user make a business case for cloud computing applications—applications that are used to gather/create data, which in turn are used to generate business intelligence.

Business Intelligence in the Digital Economy - Mahesh S. Raisinghani 2004-01-01

Annotation Business Intelligence in the Digital Economy: Opportunities, Limitations and Risks describes

business intelligence (BI), how it is being conducted and managed and its major opportunities, limitations, issues and risks. This book takes an in-depth look at the scope of global technological change and BI.

During this transition to BI, information does not merely add efficiency to the transaction; it adds value.

This book brings together high quality expository discussions from experts in this field to identify, define, and explore BI methodologies, systems, and approaches in order to understand the opportunities, limitations and risks.

Delivering Business Intelligence with Microsoft SQL Server 2012 3/E - Brian Larson 2012-03-16

Implement a Robust BI Solution with Microsoft SQL Server 2012 Equip your organization for informed, timely decision making using the expert tips and best practices in this practical guide. Delivering Business Intelligence with Microsoft SQL Server 2012, Third Edition explains how to effectively develop, customize, and distribute meaningful information to users enterprise-wide. Learn how to build data marts and create BI Semantic Models, work with the MDX and DAX languages, and share insights using Microsoft client tools. Data mining and forecasting are also covered in this comprehensive resource. Understand the goals and components of successful BI Design, deploy, and manage data marts and OLAP cubes Load and cleanse data with SQL Server Integration Services Manipulate and analyze data using MDX and DAX scripts and queries Work with SQL Server Analysis Services and the BI Semantic Model Author interactive reports using SQL Server Data Tools Create KPIs and digital dashboards Use data mining to identify patterns, correlations, and clusters Implement time-based analytics Embed BI reports in custom applications using ADOMD.NET

Delivering Superior Health and Wellness Management with IoT and Analytics - Nilmini Wickramasinghe 2019-11-27

This in-depth book addresses a key void in the literature surrounding the Internet of Things (IoT) and health. By systematically evaluating the benefits of mobile, wireless, and sensor-based IoT technologies when used in health and wellness contexts, the book sheds light on the next frontier for healthcare delivery. These technologies generate data with significant potential to enable superior care delivery, self-empowerment, and wellness management. Collecting valuable insights and recommendations in one accessible volume, chapter authors identify key areas in health and wellness where IoT can be used, highlighting the benefits, barriers, and facilitators of these technologies as well as suggesting areas for improvement in current policy and regulations. Four overarching themes provide a suitable setting to examine the critical insights presented in the 31 chapters: Mobile- and sensor-based solutions Opportunities to incorporate critical aspects of analytics to provide superior insights and thus support better decision-making Critical issues around aspects of IoT in healthcare contexts Applications of portals in healthcare contexts A comprehensive overview that introduces the critical issues regarding the role of IoT technologies for health, Delivering Superior Health and Wellness Management with IoT and Analytics paves the way for scholars, practitioners, students, and other stakeholders to understand how to substantially improve health and wellness management on a global scale.

Pro SQL Server 2005 Reporting Services - Walter Voytek 2006-11-10

* Deep, thorough coverage of all SRS 2005 technologies related to professional-level business reports * Supported and technically validated by the MS team * Especially (but not exclusively) applicable to readers in the US medical sector

Delivering Business Intelligence with Microsoft SQL Server 2016, Fourth Edition - Brian Larson 2016-11-04

Distribute Actionable, Timely BI with Microsoft® SQL Server® 2016 and Power BI Drive better, faster, more informed decision making across your organization using the expert tips and best practices featured in this hands-on guide. Delivering Business Intelligence with Microsoft SQL Server 2016, Fourth Edition, shows, step-by-step, how to distribute high-performance, custom analytics to users enterprise-wide. Discover how to build BI Semantic Models, create data marts and OLAP cubes, write MDX and DAX scripts, and share insights using Microsoft client tools. The book includes coverage of self-service business intelligence with Power BI. • Understand the goals and components of successful BI • Build data marts, OLAP cubes, and Tabular models • Load and cleanse data with SQL Server Integration Services • Manipulate and analyze data using MDX and DAX scripts and queries • Work with SQL Server Analysis Services and the BI Semantic Model • Author interactive reports using SQL Server Data Tools • Create

KPIs and digital dashboards • Implement time-based analytics • Embed data model content in custom applications using ADOMD.NET • Use Power BI to gather, model, and visualize data in a self-service environment

Delivering Tourism Intelligence - Philip L. Pearce 2019-11-08

This volume demonstrates that tourism research can deliver quality implications for a range of stakeholders. Contributions from authors across the continents serve to illustrate ways in which academic analysis can, and does, result in action.

AI-Powered Business Intelligence - Tobias Zwingmann 2022-06-10

Use business intelligence to power corporate growth, increase efficiency, and improve corporate decision making. With this practical book featuring hands-on examples in Power BI with basic Python and R code, you'll explore the most relevant AI use cases for BI, including improved forecasting, automated classification, and AI-powered recommendations. And you'll learn how to draw insights from unstructured data sources like text, document, images files. Author Tobias Zwingmann helps BI professionals, business analysts, and data analytics understand high-impact areas of artificial intelligence. You'll learn how to leverage popular AI-as-a-service and AutoML platforms to ship enterprise-grade proofs of concept without the help of software engineers or data scientists. Learn how AI can generate business impact in BI environments Use AutoML for automated classification and improved forecasting Implement recommendation services to support decision-making Draw insights from text data at scale with NLP services Extract information from documents and images with computer vision services Build interactive user frontends for AI-powered dashboard prototypes Implement an end-to-end case study for building an AI-powered customer analytics dashboard

Heuristics in Analytics - Carlos Andre Reis Pinheiro 2014-01-31

Employ heuristic adjustments for truly accurate analysis Heuristics in Analytics presents an approach to analysis that accounts for the randomness of business and the competitive marketplace, creating a model that more accurately reflects the scenario at hand. With an emphasis on the importance of proper analytical tools, the book describes the analytical process from exploratory analysis through model developments, to deployments and possible outcomes. Beginning with an introduction to heuristic concepts, readers will find heuristics applied to statistics and probability, mathematics, stochastic, and artificial intelligence models, ending with the knowledge applications that solve business problems. Case studies illustrate the everyday application and implication of the techniques presented, while the heuristic approach is integrated into analytical modeling, graph analysis, text analytics, and more. Robust analytics has become crucial in the corporate environment, and randomness plays an enormous role in business and the competitive marketplace. Failing to account for randomness can steer a model in an entirely wrong direction, negatively affecting the final outcome and potentially devastating the bottom line. Heuristics in Analytics describes how the heuristic characteristics of analysis can be overcome with problem design, math and statistics, helping readers to: Realize just how random the world is, and how unplanned events can affect analysis Integrate heuristic and analytical approaches to modeling and problem solving Discover how graph analysis is applied in real-world scenarios around the globe Apply analytical knowledge to customer behavior, insolvency prevention, fraud detection, and more Understand how text analytics can be applied to increase the business knowledge Every single factor, no matter how large or how small, must be taken into account when modeling a scenario or event—even the unknowns. The presence or absence of even a single detail can dramatically alter eventual outcomes. From raw data to final report, Heuristics in Analytics contains the information analysts need to improve accuracy, and ultimately, predictive, and descriptive power.

The Kimball Group Reader - Ralph Kimball 2016-02-01

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.

Business Intelligence Cookbook - John Heaton 2012-07-17

Over 80 quick and advanced recipes that focus on real world techniques and solutions to manage, design, and build data warehouse and business intelligence projects with this book and ebook.

Actionable Intelligence - Keith B. Carter 2014-09-02

Building an analysis ecosystem for a smarter approach to intelligence Keith Carter's Actionable Intelligence: A Guide to Delivering Business Results with Big Data Fast! is the comprehensive guide to achieving the dream that business intelligence practitioners have been chasing since the concept itself came into being. Written by an IT visionary with extensive global supply chain experience and insight, this book describes what happens when team members have accurate, reliable, usable, and timely information at their fingertips. With a focus on leveraging big data, the book provides expert guidance on developing an analytical ecosystem to effectively manage, use the internal and external information to deliver business results. This book is written by an author who's been in the trenches for people who are in the trenches. It's for practitioners in the real world, who know delivering results is easier said than done - fraught with failure, and difficult politics. A landscape where reason and passion are needed to make a real difference. This book lays out the appropriate way to establish a culture of fact-based decision making, innovation, forward looking measurements, and appropriate high-speed governance. Readers will enable their organization to: Answer strategic questions faster Reduce data acquisition time and increase analysis time to improve outcomes Shift the focus to positive results rather than past failures Expand opportunities by more effectively and thoughtfully leveraging information Big data makes big promises, but it cannot deliver without the right recipe of people, processes and technology in place. It's about choosing the right people, giving them the right tools, and taking a thoughtful—rather than formulaic—approach. Actionable Intelligence provides expert guidance toward envisioning, budgeting, implementing, and delivering real benefits.