

Olap Intelligence Xi R2 Users Guide

Enterprise Information Systems (EIS) integrate and support business processes across functional boundaries in a supply chain environment, and have become increasingly popular over the last 15 years. In recent years, more and more enterprises world-wide have adopted EIS such as Enterprise Resource Planning (ERP) for running their businesses. Previously, information systems such as CAD, CAM, MRPII and CRM were widely used for partial functional integration within a business organization. With global operation, global supply chain, and fierce competition in place, there is a need for suitable EIS such as ERP, E-Business or E-Commerce systems to integrate extended enterprises in a supply chain environment with the objective of achieving efficiency, competency, and competitiveness. As a result, there is a growing demand for researching EIS to provide insights into challenges, issues, and solutions related to the design, implementation and management of EIS. The papers in *Advances in Enterprise Information Systems* were selected from two premier international conferences: the International Forum of Information Systems Frontiers—Xian International Symposium (IFISF), June 29-30, 2006, Xian, China and the IFIP TC 8.9 International Conference on Research and Practical Issues of Enterprise Information Systems (Confenis 2007), October 14-16, Beijing, China. Both events provided an excellent opportunity for EIS academicians and practitioners in the world to gather and exchange ideas, and present original research in their fields. *Advances in Enterprise Information Systems* will be invaluable to scientists, researchers and professionals in EIS.

Leverage the integration of SQL Server and Office for more effective BI Applied Microsoft Business Intelligence shows you how to leverage the complete set of Microsoft tools—including Microsoft Office and SQL Server—to better analyze business data. This book provides best practices for building complete BI solutions using the full Microsoft toolset. You will learn how to effectively use SQL Server Analysis and Reporting Services, along with Excel, SharePoint, and other tools to provide effective and cohesive solutions for the enterprise. Coverage includes BI architecture, data queries, semantic models, multidimensional modeling, data analysis and visualization, performance monitoring, data mining, and more, to help you learn to perform practical business analysis and reporting. Written by an author team that includes a key member of the BI product team at Microsoft, this useful reference provides expert instruction for more effective use of the Microsoft BI toolset. Use Microsoft BI suite cohesively for more effective enterprise solutions Search, analyze, and visualize data more efficiently and completely Develop flexible and scalable tabular and multidimensional models Monitor performance, build a BI portal, and deploy and manage the BI Solution

Teach yourself how to build, manage, and access SQL Server 2008 reports—one step at a time. Whether you're a report developer, IT administrator, or business user, this sequential, learn-by-doing tutorial shows you how to deliver the business intelligence information your organization needs. Discover how to: Install and configure Reporting Services Put Report Builder and Report Designer tools to work Create interactive, online reports that enable users to sort and filter data Add charts and gauges to present data visually Deploy reports to Microsoft Office SharePoint Server Monitor server performance and help secure content Use subscriptions to distribute reports via e-mail Build ad hoc reports and extend them with custom code CD features: Practice exercises and code samples Fully searchable eBook For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Provides developments and research, as well as current innovative activities in data warehousing and mining, focusing on the intersection of data warehousing and business intelligence.

Pro Crystal Enterprise/Business Objects XI Programming shows you how to create customized solutions using the Business Objects/Crystal Enterprise object model. Here you'll see the object model utilized to create professional-quality tools like on-demand web services, report metadata extraction, scheduling, security, and user management. Author Carl Ganz explains in detail how to build advanced reporting solutions for Crystal Enterprise/Business Objects XI. He shows how to integrate CE/BO XI with .NET 2.0 and Visual Studio to create more flexible, tailored, and responsive reporting solutions than have previously been possible. In short, you'll surpass what you thought you could achieve, and learn to create almost any imaginable reporting solution that Business Objects XI can handle.

Architect and deploy a Power BI solution. This book will help you understand the many available options and choose the best combination for hosting, developing, sharing, and deploying a Power BI solution within your organization. *Pro Power BI Architecture* provides detailed examples and explains the different methods available for sharing and securing Power BI content so that only intended recipients can see it. Commonly encountered problems you will learn to handle include content unexpectedly changing while users are in the process of creating reports and building analysis, methods of sharing analyses that don't cover all the requirements of your business or organization, and inconsistent security models. The knowledge provided in this book will allow you to choose an architecture and deployment model that suits the needs of your organization, ensuring that you do not spend your time maintaining your solution but on using it for its intended purpose and gaining business value from mining and analyzing your organization's data. What You'll Learn Architect and administer enterprise-level Power BI solutions Choose the right sharing method for your Power BI solution Create and manage environments for development, testing, and production Implement row level security in multiple ways to secure your data Save money by choosing the right licensing plan Select a suitable connection type—Live Connection, DirectQuery, or Scheduled Refresh—for your use case Set up a Power BI gateway to bridge between on-premises data sources and the Power BI cloud service Who This Book Is For Data analysts, developers, architects, and managers who want to leverage Power BI for their reporting solution

Teach yourself to use SQL Server 2008 Analysis Services for business intelligence—one step at a time. You'll start by building your understanding of the business intelligence platform enabled by SQL Server and the Microsoft Office System, highlighting the role of Analysis Services. Then, you'll create a simple multidimensional OLAP cube and progressively add features to help improve, secure, deploy, and maintain an Analysis Services database. You'll explore core Analysis Services 2008 features and capabilities, including dimension, cube, and aggregation design wizards; a new attribute relationship designer; designer AMO warnings; and using dynamic management views to monitor resources. And as you complete each lesson, you can hone your skills using the practice exercises from the companion CD. Plus, you can review and download code samples illustrating the author's own, professional techniques—direct from the companion Web site. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

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

If you are a developer with a good command and knowledge of creating dashboards, but are not yet an advanced user of SAP BusinessObjects Dashboards, then this is the perfect book for you. Prerequisites include a good working knowledge of Microsoft Excel as well as knowledge of basic dashboard practices.

The authorized guide to the latest edition of the #1 business intelligence software product - Crystal Reports. More than 16 million licenses of Crystal Reports have been shipped to date. This book is a reference designed to provide hands-on guidance for the latest release of the product suite. The latest version of Crystal Reports and the Business Objects enterprise reporting suite delivers vast product enhancements and a tighter integration that will drive upgrades from licensees. Brand new features (e.g. Dynamic and Cascading Parameter Generation) will also appeal to new audiences. Over 1 million new Business Intelligence licensees will be migrating to the Crystal Enterprise Reporting platform, as this is the first release of the software with the existing Business Objects (BO) products being integrated into the Crystal infrastructure. As Business Objects insiders, the authors bring unique and valuable real-world perspectives on implementations and uses of the Crystal Reports product. The book also includes content, tutorials and samples for reporting within the Microsoft Visual Studio.NET and J2EE development environments and also on top of the SAP Business Information Warehouse (BW) and the Peoplesoft platform. Advanced content on report distribution and integration into the secured managed reporting solution known as Business Objects Enterprise XI, is also now included in this definitive user guide with coverage on the new Web Services SDK.

Implement SAP HANA as a standalone data warehouse Integrate SAP Data Services and the SAP BusinessObjects BI tools with SAP HANA Benefit from step-by-step instructions, technical details, and downloadable data for every step In the new SAP HANA era, processes that once took weeks now take days, hours, or even minutes. Truly take advantage of this bold jump forward with this resource for a standalone SAP HANA implementation. Master data loading with SAP Data Services, data modeling in SAP HANA, and then SAP HANA integration with SAP BusinessObjects BI for reporting and analytics. From general concepts to specific implementation steps and a real-world case study, this book offers the practical details about implementing SAP HANA that will shift your system into high gear. Data Storage See how SAP HANA has fundamentally changed data storage with column store tables that improve compression and, consequently, performance. SAP Data Services Avoid fast trash. Preprovision your data using source system analysis, profiling tools, and mapping to load high-quality data into SAP HANA.SAP HANA Studio Dive into SAP HANA-specific data modelling components like the attribute, analytic, and calculation views that produce quality multidimensional models. Connecting SAP HANA with BI Deliver sophisticated data visualization and analysis by integrating SAP BusinessObjects Design Studio, SAP Lumira, SAP Predictive Analysis, and more with SAP HANA. Hands-On Case Study Take SAP HANA for a test drive. Download the data for the fictitious AdventureWorks Cycle Company s implementation and follow along every step of the way. Highlights Source system analysis SAP Data Services Analytic, attribute, and calculation views SAP HANA Studio Columnar database technology Denormalization Information Design Tool SAP Information Steward SAP Predictive Analysis SAP BusinessObjects BI toolset SAP Lumira

Microsoft PowerPivot is a free add-on to Excel from Microsoft that allows users to produce new kinds of reports and analyses that were simply impossible before, and this book is the first to tackle DAX formulas, the core capability of PowerPivot, from the perspective of the Excel audience. Written by the world's foremost PowerPivot blogger and practitioner, the book's concepts and approach are introduced in a simple, step-by-step manner tailored to the learning style of Excel users everywhere. The techniques presented allow users to produce, in hours or even minutes, results that formerly would have taken entire teams weeks or months to produce. It includes lessons on the difference between calculated columns and measures; how formulas can be reused across reports of completely different shapes; how to merge disjointed sets of data into unified reports; how to make certain columns in a pivot behave as if the pivot were filtered

while other columns do not; and how to create time-intelligent calculations in pivot tables such as "Year over Year" and "Moving Averages" whether they use a standard, fiscal, or a complete custom calendar. The "pattern-like" techniques and best practices contained in this book have been developed and refined over two years of onsite training with Excel users around the world, and the key lessons from those seminars costing thousands of dollars per day are now available to within the pages of this easy-to-follow guide. This updated second edition covers new features introduced with Office 2015.

This book is a must read for anyone deploying BusinessObjects. It covers everything from planning your upgrade to the latest release, to best practices in universe design, and powerful report creation that maximizes business insight. This book covers the most frequently used features for the full BI suite, in one comprehensive book. There's in depth coverage of Designer, security via the Central Management Console, InfoView, Web Intelligence, and Desktop Intelligence. It goes beyond step-by-step instructions to cover how and why in a business context. Transition notes are interspersed for version 5 and 6 customers to understand the biggest changes in XI Release 2. If you drive BI requirements in your company or are a data warehouse program manager, Business Objects administrator, report author or consumer, this book is for you.

Dive into the business intelligence features in SharePoint 2013—and use the right combination of tools to deliver compelling solutions. Take control of business intelligence (BI) with the tools offered by SharePoint 2013 and Microsoft SQL Server 2012. Led by a group of BI and SharePoint experts, you'll get step-by-step instructions for understanding how to use these technologies best in specific BI scenarios—whether you're a SharePoint administrator, SQL Server developer, or business analyst. Discover how to: Manage the entire BI lifecycle, from determining key performance indicators to building dashboards Use web-based Microsoft Excel services and publish workbooks on a SharePoint Server Mash up data from multiple sources and create Data Analysis Expressions (DAX) using PowerPivot Create data-driven diagrams that provide interactive processes and context with Microsoft Visio Services Use dashboards, scorecards, reports, and key performance indicators to monitor and analyze your business Use SharePoint to view BI reports side by side, no matter which tools were used to produced them

This second edition of a well-received text, with 20 new chapters, presents a coherent and unified repository of recommender systems' major concepts, theories, methodologies, trends, and challenges. A variety of real-world applications and detailed case studies are included. In addition to wholesale revision of the existing chapters, this edition includes new topics including: decision making and recommender systems, reciprocal recommender systems, recommender systems in social networks, mobile recommender systems, explanations for recommender systems, music recommender systems, cross-domain recommendations, privacy in recommender systems, and semantic-based recommender systems. This multi-disciplinary handbook involves world-wide experts from diverse fields such as artificial intelligence, human-computer interaction, information retrieval, data mining, mathematics, statistics, adaptive user interfaces, decision support systems, psychology, marketing, and consumer behavior. Theoreticians and practitioners from these fields will find this reference to be an invaluable source of ideas, methods and techniques for developing more efficient, cost-effective and accurate recommender systems.

* Everything you need to know about the new Information Design Tool and UNX universes * Explore step-by-step universe design, from connecting to different data sources, to creating data foundations, to building business layers * Compare and convert UNV to UNX universes Bend the cosmos to your will! For SAP data and non-SAP data alike, this comprehensive resource spans universe creation to universe publication. Learn to build single- and multisource data foundations and business layers and to convert UNV to UNX using the new Information Design Tool. Using step-by-step instructions and guiding screenshots, explore the important Information Design Tool features and functionalities that will put intelligent design within your grasp. Information Design Tool Explore its interface and find tips to design and manage universes that fit your needs. Not Just Semantics Begin with a conversation on the fundamental role of the semantic layer and then move into the pillars of universe design: the data foundation and the business layer.Connecting to any Data Source and to SAP Systems Connect to any relational data source or OLAP cube with your universe, and make sure you're using the right parameters and access methods to retrieve enterprise data from SAP systems. Publishing and Sharing Universes Learn how to make universes available for consumption by SAP BusinessObjects BI tools and for collaboration with other designers. Comparing the Old with the New Differentiate between universes created with the Universe Design Tool and Information Design Tool, and learn how to convert UNV to UNX.

Big Data Imperatives, focuses on resolving the key questions on everyone's mind: Which data matters? Do you have enough data volume to justify the usage? How you want to process this amount of data? How long do you really need to keep it active for your analysis, marketing, and BI applications? Big data is emerging from the realm of one-off projects to mainstream business adoption; however, the real value of big data is not in the overwhelming size of it, but more in its effective use. This book addresses the following big data characteristics: Very large, distributed aggregations of loosely structured data – often incomplete and inaccessible Petabytes/Exabytes of data Millions/billions of people providing/contributing to the context behind the data Flat schema's with few complex interrelationships Involves time-stamped events Made up of incomplete data Includes connections between data elements that must be probabilistically inferred Big Data Imperatives explains 'what big data can do'. It can batch process millions and billions of records both unstructured and structured much faster and cheaper. Big data analytics provide a platform to merge all analysis which enables data analysis to be more accurate, well-rounded, reliable and focused on a specific business capability. Big Data Imperatives describes the complementary nature of traditional data warehouses and big-data analytics platforms and how they feed each other. This book aims to bring the big data and analytics realms together with a greater focus on architectures that leverage the scale and power of big data and the ability to integrate and apply analytics principles to data which earlier was not accessible. This book can also be used as a handbook for practitioners; helping them on methodology,technical architecture, analytics techniques and best practices. At the same time, this book intends to hold the interest of those new to big data and analytics by giving them a deep insight into the realm of big data.

This book is aimed at both new developers as well as experienced developers. If you are a new SAP BusinessObjects Universe developer who is looking for a step-by-step guide supported with real-life examples and illustrated diagrams, then this book is for you. If you are a seasoned BusinessObjects Universe developer who is looking for a fast way to

map your old experience in Universe designer to the newer Information Design Tool, then this book is for you as well.

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.

Business intelligence is a broad category of applications and technologies for gathering, providing access to, and analyzing data for the purpose of helping enterprise users make better business decisions. The term implies having a comprehensive knowledge of all factors that affect a business, such as customers, competitors, business partners, economic environment, and internal operations, therefore enabling optimal decisions to be made. Business Intelligence provides readers with an introduction and practical guide to the mathematical models and analysis methodologies vital to business intelligence. This book: Combines detailed coverage with a practical guide to the mathematical models and analysis methodologies of business intelligence. Covers all the hot topics such as data warehousing, data mining and its applications, machine learning, classification, supply optimization models, decision support systems, and analytical methods for performance evaluation. Is made accessible to readers through the careful definition and introduction of each concept, followed by the extensive use of examples and numerous real-life case studies. Explains how to utilise mathematical models and analysis models to make effective and good quality business decisions. This book is aimed at postgraduate students following data analysis and data mining courses. Researchers looking for a systematic and broad coverage of topics in operations research and mathematical models for decision-making will find this an invaluable guide.

Learn how to develop models for classification, prediction, and customer segmentation with the help of Data Mining for Business Intelligence In today's world, businesses are becoming more capable of accessing their ideal consumers, and an understanding of data mining contributes to this success. Data Mining for Business Intelligence, which was developed from a course taught at the Massachusetts Institute of Technology's Sloan School of Management, and the University of Maryland's Smith School of Business, uses real data and actual cases to illustrate the applicability of data mining intelligence to the development of successful business models. Featuring XLMiner, the Microsoft Office Excel add-in, this book allows readers to follow along and implement algorithms at their own speed, with a minimal learning curve. In addition, students and practitioners of data mining techniques are presented with hands-on, business-oriented applications. An abundant amount of exercises and examples are provided to motivate learning and understanding. Data Mining for Business Intelligence: Provides both a theoretical and practical understanding of the key methods of classification, prediction, reduction, exploration, and affinity analysis Features a business decision-making context for these key methods Illustrates the application and interpretation of these methods using real business cases and data This book helps readers understand the beneficial relationship that can be established between data mining and smart business practices, and is an excellent learning tool for creating valuable strategies and making wiser business decisions.

Data mining is the art and science of intelligent data analysis. By building knowledge from information, data mining adds considerable value to the ever increasing stores of electronic data that abound today. In performing data mining many decisions need to be made regarding the choice of methodology, the choice of data, the choice of tools, and the choice of algorithms. Throughout this book the reader is introduced to the basic concepts and some of the more popular algorithms of data mining. With a focus on the hands-on end-to-end process for data mining, Williams guides the reader through various capabilities of the easy to use, free, and open source Rattle Data Mining Software built on the sophisticated R Statistical Software. The focus on doing data mining rather than just reading about data mining is refreshing. The book covers data understanding, data preparation, data refinement, model building, model evaluation, and practical deployment. The reader will learn to rapidly deliver a data mining project using software easily installed for free from the Internet. Coupling Rattle with R delivers a very sophisticated data mining environment with all the power, and more, of the many commercial offerings. Written for students in undergraduate and graduate statistics courses, as well as for the practitioner who wants to make better decisions from data and models, this updated and expanded second edition of Fundamentals of Predictive Analytics with JMP(R) bridges the gap between courses on basic statistics, which focus on univariate and bivariate analysis, and courses on data mining and predictive analytics. Going beyond the theoretical foundation, this book gives you the technical knowledge and problem-solving skills that you need to perform real-world multivariate data analysis. First, this book teaches you to recognize when it is appropriate to use a tool, what variables and data are required,

and what the results might be. Second, it teaches you how to interpret the results and then, step-by-step, how and where to perform and evaluate the analysis in JMP . Using JMP 13 and JMP 13 Pro, this book offers the following new and enhanced features in an example-driven format: an add-in for Microsoft Excel Graph Builder dirty data visualization regression ANOVA logistic regression principal component analysis LASSO elastic net cluster analysis decision trees k-nearest neighbors neural networks bootstrap forests boosted trees text mining association rules model comparison With today's emphasis on business intelligence, business analytics, and predictive analytics, this second edition is invaluable to anyone who needs to expand his or her knowledge of statistics and to apply real-world, problem-solving analysis. This book is part of the SAS Press program.

For courses in decision support systems, computerized decision-making tools, and management support systems. Market-leading guide to modern analytics, for better business decisions Analytics, Data Science, & Artificial Intelligence: Systems for Decision Support is the most comprehensive introduction to technologies collectively called analytics (or business analytics) and the fundamental methods, techniques, and software used to design and develop these systems. Students gain inspiration from examples of organisations that have employed analytics to make decisions, while leveraging the resources of a companion website. With six new chapters, the 11th edition marks a major reorganisation reflecting a new focus -- analytics and its enabling technologies, including AI, machine-learning, robotics, chatbots, and IoT.

MUSIC 2013 will be the most comprehensive text focused on the various aspects of Mobile, Ubiquitous and Intelligent computing. MUSIC 2013 provides an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of intelligent technologies in mobile and ubiquitous computing environment. MUSIC 2013 is the next edition of the 3rd International Conference on Mobile, Ubiquitous, and Intelligent Computing (MUSIC-12, Vancouver, Canada, 2012) which was the next event in a series of highly successful International Workshop on Multimedia, Communication and Convergence technologies MCC-11 (Crete, Greece, June 2011), MCC-10 (Cebu, Philippines, August 2010).

Business Intelligence (BI) is a broad term that relates to applications that analyze data to understand and act on the key metrics that drive profitability in an enterprise. Key to analyzing that data is providing fast, easy access to it while delivering it in formats or tools that best fit the needs of the user. At the core of any BI solution are user query and reporting tools that provide intuitive access to data supporting a spectrum of users from executives to "power users," from spreadsheet aficionados to the external Internet consumer. IBM® DB2® Web Query for i offers a set of modernized tools for a more robust, extensible, and productive reporting solution than the popular IBM Query for System i® tool (also known as IBM Query/400). IBM DB2 Web Query for i preserves investments in the reports that are developed with Query/400 by offering a choice of importing definitions into the new technology or continuing to run existing Query/400 reports as is. But, it also offers significant productivity and performance enhancements by leveraging the latest in DB2 for i query optimization technology. The DB2 Web Query for i product is a web-based query and report writing product that offers enhanced capabilities over the IBM Query for iSeries product (also commonly known as Query/400). IBM DB2 Web Query for i includes Query for iSeries technology to assist customers in their transition to DB2 Web Query. It offers a more modernized, Java based solution for a more robust, extensible, and productive reporting solution. DB2 Web Query provides the ability to query or build reports against data that is stored in DB2 for i (or Microsoft SQL Server) databases through browser-based user interface technologies: Build reports with ease through the web-based, ribbon-like InfoAssist tool that leverages a common look and feel that can extend the number of personnel that can generate their own reports. Simplify the management of reports by significantly reducing the number of report definitions that are required through the use of parameter driven reports. Deliver data to users in many different formats, including directly into spreadsheets, or in boardroom-quality PDF format, or viewed from the browser in HTML. Leverage advanced reporting functions, such as matrix reporting, ranking, color coding, drill-down, and font customization to enhance the visualization of DB2 data. DB2 Web Query offers features to import Query/400 definitions and enhance their look and functions. By using it, you can add OLAP-like slicing and dicing to the reports or view reports in disconnected mode for users on the go. This IBM Redbooks® publication provides a broad understanding of what can be done with the DB2 Web Query product. This publication is a companion of DB2 Web Query Tutorials, SG24-8378, which has a group of self-explanatory tutorials to help you get up to speed quickly.

This book presents the latest findings in the areas of data management and smart computing, big data management, artificial intelligence and data analytics, along with advances in network technologies. Gathering peer-reviewed research papers presented at the Fourth International Conference on Data Management, Analytics and Innovation (ICDMAI 2020), held on 17–19 January 2020 at the United Services Institute (USI), New Delhi, India, it addresses cutting-edge topics and discusses challenges and solutions for future development. Featuring original, unpublished contributions by respected experts from around the globe, the book is mainly intended for a professional audience of researchers and practitioners in academia and industry.

BusinessObjects may seem like a dauntingly complex topic, but BusinessObjects XI Release 2 For Dummies makes it a snap. Even if you're new to business intelligence tools, this user-friendly guide makes it easy to access, format and share data, analyze the information this data contains, and measure your organization's performance. In no time, you'll be finding your way around Universes to see how everything is shaping up, viewing and creating reports, building powerful queries on your organizations database, and measuring your company's performance using BusinessObjects XI Release 2. This completely jargon-free handbook will put you in complete control of the ways and means of a truly exciting and powerful suite of business intelligence tools. Discover how to: Make business decisions with help from BusinessObjects Use BusinessObjects XI wizards

Perform a server installation Create and define a Universe Set up desktop reporting Customize and use InfoView Measure performance with Dashboard and Analytics Take advantage of data marts and understand how they fit into your BusinessObjects system Created by a team with more than 15 years combined experience working with BusinessObjects tools, BusinessObjects XI Release 2 For Dummies comes complete with several short lists of useful information, including tips on how to prepare for a successful BusinessObjects integration and helpful resources beyond the pages of this book. You'll also find an overview of Crystal Reports, BusinessObjects' companion reporting tool.

Data is bigger, arrives faster, and comes in a variety of formats—and it all needs to be processed at scale for analytics or machine learning. But how can you process such varied workloads efficiently? Enter Apache Spark. Updated to include Spark 3.0, this second edition shows data engineers and data scientists why structure and unification in Spark matters. Specifically, this book explains how to perform simple and complex data analytics and employ machine learning algorithms. Through step-by-step walk-throughs, code snippets, and notebooks, you'll be able to: Learn Python, SQL, Scala, or Java high-level Structured APIs Understand Spark operations and SQL Engine Inspect, tune, and debug Spark operations with Spark configurations and Spark UI Connect to data sources: JSON, Parquet, CSV, Avro, ORC, Hive, S3, or Kafka Perform analytics on batch and streaming data using Structured Streaming Build reliable data pipelines with open source Delta Lake and Spark Develop machine learning pipelines with MLlib and productionize models using MLflow

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.

Covers administrative tasks that apply to the SAS Intelligence Platform as a whole, including starting and stopping servers, monitoring servers, setting server logging options, performing backups, administering the SAS Metadata Server, administering metadata repositories, and promoting business intelligence metadata and content. This title is also available online.SAS Products and Releases: SAS BI Server: 9.3 SAS Data Integration Server: 9.3 SAS Enterprise BI Server: 9.3 SAS Enterprise Data Integration Server: 9.3 SAS Metadata Server: 9.3 Operating Systems: All

"This book is a splendid and valuable addition to this subject. The whole book is well written and I have no hesitation to recommend that this can be adapted as a textbook for graduate courses in Business Intelligence and Data Mining." Dr. Edi Shivaji, Des Moines, Iowa "As a complete novice to this area just starting out on a MBA course I found the book incredibly useful and very easy to follow and understand. The concepts are clearly explained and make it an easy task to gain an understanding of the subject matter." -- Mr. Craig Domoney, South Africa. Business Intelligence and Data Mining is a conversational and informative book in the exploding area of Business Analytics. Using this book, one can easily gain the intuition about the area, along with a solid toolset of major data mining techniques and platforms. This book can thus be gainfully used as a textbook for a college course. It is also short and accessible enough for a busy executive to become a quasi-expert in this area in a couple of hours. Every chapter begins with a case-let from the real world, and ends with a case study that runs across the chapters.

Crystal Reports XI Official GuideSams Publishing

This book presents current progress on challenges related to Big Data management by focusing on the particular challenges associated with context-aware data-intensive applications and services. The book is a state-of-the-art reference discussing progress made, as well as prompting future directions on the theories, practices, standards and strategies that are related to the emerging computational technologies and their association with supporting the Internet of Things advanced functioning for organizational settings including both business and e-science. Apart from inter-operable and inter-cooperative aspects, the book deals with a notable opportunity namely, the current trend in which a collectively shared and generated content is emerged from Internet end-users. Specifically, the book presents advances on managing and exploiting the vast size of data generated from within the smart environment (i.e. smart cities) towards an integrated, collective intelligence approach. The book also presents methods and practices to improve large storage infrastructures in response to increasing demands of the data intensive applications. The book contains 19 self-contained chapters that were very carefully selected based on peer review by at least two expert and independent reviewers and is organized into the three sections reflecting the general themes of interest to the IoT and Big Data communities: Section I: Foundations and Principles Section II: Advanced Models and Architectures Section III: Advanced Applications and Future Trends The book is intended for researchers interested in joining interdisciplinary and transdisciplinary works in the areas of Smart Environments, Internet of Things and various computational technologies for the purpose of an integrated collective computational intelligence approach into the Big Data era.

Data Mining: Concepts and Techniques provides the concepts and techniques in processing gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge discovery from data (KDD). It focuses on the

feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information on data mining. Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects Addresses advanced topics such as mining object-relational databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

A guide to SAP BusinessObjects Web Intelligence that can sharpen your data presentations. From creating a report, to displaying data via charts, to sharing reports with others, it covers everything from the basics to the actionable details that inform your work. It also includes expanded coverage of new topics like SAP HANA and mobility.

Keep your system secure by mastering functional and data security Understand how to define a rights model and secure universes Configure authentication with external systems such as SAP NetWeaver BW, LDAP, and Active Directory Up to date for release 4.0 Don't talk to strangers--if only data security policies were this easy. Learn to keep your SAP BusinessObjects Business Intelligence data truly safe from unauthorized actions with this comprehensive guide. Begin with security basics and work your way to advanced concepts; along the way, you'll explore functional and data security, define a rights model, and secure data sources and universes. Step-by-step instructions ensure that you can implement important security techniques in your administration and design work. This book puts the master key to data security in your hands. Best Practices Unveiled Implement a security system that is easy to understand, use, and enhance by using basic workflows. Rights Framework Put the rights framework to work for you using group and folder inheritance and custom access levels. Specific Rights Explore the specific rights of system and content objects stored in the CMS repository, as well as BI 4.0 suite applications. Universe Security Compare security features of universes created with Universe Design Tool side by side with its successor, Information Design Tool. SAP NetWeaver BW, LDAP, and Active Directory Learn how to secure your SAP BusinessObjects BI 4.0 system using external authentication systems and data sources.

Written by renowned data science experts Foster Provost and Tom Fawcett, *Data Science for Business* introduces the fundamental principles of data science, and walks you through the "data-analytic thinking" necessary for extracting useful knowledge and business value from the data you collect. This guide also helps you understand the many data-mining techniques in use today. Based on an MBA course Provost has taught at New York University over the past ten years, *Data Science for Business* provides examples of real-world business problems to illustrate these principles. You'll not only learn how to improve communication between business stakeholders and data scientists, but also how participate intelligently in your company's data science projects. You'll also discover how to think data-analytically, and fully appreciate how data science methods can support business decision-making. Understand how data science fits in your organization—and how you can use it for competitive advantage Treat data as a business asset that requires careful investment if you're to gain real value Approach business problems data-analytically, using the data-mining process to gather good data in the most appropriate way Learn general concepts for actually extracting knowledge from data Apply data science principles when interviewing data science job candidates

The world is becoming more and more instrumented, interconnected, and intelligent in what IBM® terms a smarter planet, with more and more data being collected for analysis. In trade magazines, this trend is called big data. As part of this trend, the following types of time-based information are collected: Large data centers support a corporation or provide cloud services. These data centers need to collect temperature, humidity, and other types of information over time to optimize energy usage. Utility meters (referred to as smart meters) allow utility companies to collect information over a wireless network and to collect more data than ever before. IBM Informix® TimeSeries is optimized for the processing of time-based data and can provide the following benefits: Storage savings: Storage can be optimized when you know the characteristics of your time-based data. Informix TimeSeries often uses one third of the storage space that is required by a standard relational database. Query performance: Informix TimeSeries takes into consideration the type of data to optimize its organization on disk and eliminates the need for some large indexes and additional sorting. For these reasons and more, some queries can easily have an order of magnitude performance improvement compared to standard relational. Simpler queries: Informix TimeSeries includes a large set of specialized functions that allow you to better express the processing that you want to execute. It even provides a toolkit so that you can add proprietary algorithms to the library. This IBM Redbooks® publication is for people who want to implement a solution that revolves around time-based data. It gives you the information that you need to get started and be productive with Informix TimeSeries.

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