

# Agile Data Warehousing Project Management Business Intelligence Systems Using Scrum

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## Book of Business Lists 2007

**Business Intelligence and Agile Methodologies for Knowledge-Based Organizations: Cross-Disciplinary Applications** Rahman El Sheikh, Asim Abdel 2011-09-30 Business intelligence applications are of vital importance as they help organizations manage, develop, and communicate intangible assets such as information and knowledge. Organizations that have undertaken business intelligence initiatives have benefited from increases in revenue, as well as significant cost savings. **Business Intelligence and Agile Methodologies for Knowledge-Based Organizations: Cross-Disciplinary Applications** highlights the marriage between business intelligence and knowledge management through the use of agile methodologies. Through its fifteen chapters, this book offers perspectives on the integration between process modeling, agile methodologies, business intelligence, knowledge management, and strategic management.

**Growing Business Intelligence** Larry Burns 2016-09-23 How do we enable our organizations to enjoy the often significant benefits of BI and analytics, while at the same time minimizing the cost and risk of failure? In this book, I am not going to try to be prescriptive; I won't tell you exactly how to build your BI environment. Instead, I am going to focus on a few core principles that will enable you to navigate the rocky shoals of BI architecture and arrive at a destination best suited for your particular organization. Some of these core principles include: · Have an overarching strategy, plan, and roadmap · Recognize and leverage your existing technology investments · Support both data discovery and data reuse · Keep data in motion, not at rest · Separate information delivery from data storage · Emphasize data transparency over data quality · Take an agile approach to BI development. This book will show you how to successfully navigate both the jungle of BI technology and the minefield of human nature. It will show you how to create a BI architecture and strategy that addresses the needs of all organizational stakeholders. It will show you how to maximize the value of your BI investments. It will show you how to manage the risk of disruptive technology. And it will show you how to use agile methodologies to deliver on the promise of BI and analytics quickly, succinctly, and iteratively. This book is about many things. But principally, it's about success. The goal of any enterprise initiative is to succeed and to derive benefit—benefit that all stakeholders can share in. I want you to be successful. I want your organization to be successful. This book will show you how. This book is for anyone who is currently or will someday be working on a BI, analytics, or Big Data project, and for organizations that want to get the maximum amount of value from both their data and their BI technology investment. This includes all stakeholders in the BI effort—not just the data people or the IT people, but also the business stakeholders who have the responsibility for the definition and use of data. There are six sections to this book: In Section I, *What Kind of Garden Do You Want?*, we will examine the benefits and risks of Business Intelligence, making the central point that BI is a business (not IT) process designed to manage data assets in pursuit of enterprise goals. We will show how data, when properly managed and used, can be a key enabler of several types of core business processes. The purpose of this section is to help you define the particular benefit(s) you want from BI. In Section II, *Building the Bones*, we will talk about how to design and build out the “hardscape” (infrastructure) of your BI environment. This stage of the process involves leveraging existing technology investments and iteratively moving toward your desired target state BI architecture. In Section III, *From the Ground Up*, we explore the more detailed aspects of implementing your BI operational environment. In Section IV, *Weeds, Pests and Critters*, we talk about the myriad of things that can go wrong on a BI project, and discuss ways of mitigating these risks. In Section V, *The Sustainable Garden*, we talk about how to create a BI infrastructure that is easy and inexpensive to maintain. Finally, Section VI presents a case study illustrating the principles of this book, as applied to a fictional manufacturing company (the Blue Moon Guitar Company).

## Databases David M. Kroenke 2017

**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.

**Performing Information Governance** Anthony David Giordano 2014-09-11 *Make Information Governance Work : Best Practices, Step-by-Step Tasks, and Detailed Deliverables* Most enterprises recognize the crucial importance of effective information governance. However, few are satisfied with the value of their efforts to date. Information governance is difficult because it is a pervasive function, touching multiple processes, systems, and stakeholders. Fortunately, there are best practices that work. Now, a leading expert in the field offers a complete, step-by-step guide to successfully governing information in your

organization. Using case studies and hands-on activities, Anthony Giordano fully illuminates the “who, what, how, and when” of information governance. He explains how core governance components link with other enterprise information management disciplines, and provides workable “job descriptions” for each project participant. Giordano helps you successfully integrate key data stewardship processes as you develop large-scale applications and Master Data Management (MDM) environments. Then, once you’ve deployed an information asset, he shows how to consistently get reliable regulatory and financial information from it. Performing Information Governance will be indispensable to CIOs and Chief Data Officers...data quality, metadata, and MDM specialists...anyone responsible for making information governance work. Coverage Includes Recognizing the hidden development and operational implications of information governance—and why it needs to be integrated in the broader organization Integrating information governance activities with transactional processing, BI, MDM, and other enterprise information management functions Establishing the information governance organization: defining roles, launching projects, and integrating with ongoing operations Performing information governance in transactional projects, including those using agile methods and COTS products Bringing stronger information governance to MDM: strategy, architecture, development, and beyond Governing information throughout your BI or Big Data project lifecycle Effectively performing ongoing information governance and data stewardship operational processes Auditing and enforcing data quality management in the context of enterprise information management Maintaining and evolving metadata management for maximum business value

**Manage Your SAP Projects with SAP Activate** Vinay Singh 2017-10-04 Explore and use the agile techniques of SAP Activate Framework in your SAP Projects. About This Book Explore the three pillars of SAP Activate and see how it works in different scenario. Understand and Implement Agile and Scrum concepts in SAP Activate. Get to Grisp with SAP Activate framework and manage your SAP projects effectively. Who This Book Is For This book is for readers who want to understand the working of SAP Activate and use it to manage SAP projects. Prior knowledge of SAP Hana is must. What You Will Learn Understand the fundamentals of SAP S4/HANA. Get familiar with the structure and characteristics of SAP Activate. Explore the application scenarios of SAP Activate. Use Agile and Scrum in SAP Projects effectively and efficiently Implement your learning into a sample project to explore and understand the benefits of SAP Activate methodology. In Detail It has been a general observation that most SAP consultants and professionals are used to the conventional waterfall methodology. Traditionally, this method has been there for ages and we all grew up learning about it and started practicing it in real world. The evolution of agile methodology has revolutionized the way we manage our projects and businesses. SAP Activate is an innovative, next generation business suite that allows producing working deliverables straight away. Manage your SAP Project with SAP Activate, will take your learning to the next level. The book promises to make you understand and practice the SAP Activate Framework. The focus is to take you on a journey of all the phases of SAP Activate methodology and make you understand all the phases with real time project examples. The author explains how SAP Activate methodology can be used through real-world use cases, with a comprehensive discussion on Agile and Scrum, in the context of SAP Project. You will get familiar with SAP S4HANA which is an incredibly innovative platform for businesses which can store business data, interpret it, analyze it, process it in real time, and use it when it's needed depending upon the business requirement. Style and approach An easy to follow approach with concepts explained via scenarios and project examples

**Data Warehouse Requirements Engineering** Naveen Prakash 2018-01-29 As the first to focus on the issue of Data Warehouse Requirements Engineering, this book introduces a model-driven requirements process used to identify requirements granules and incrementally develop data warehouse fragments. In addition, it presents an approach to the pair-wise integration of requirements granules for consolidating multiple data warehouse fragments. The process is systematic and does away with the fuzziness associated with existing techniques. Thus, consolidation is treated as a requirements engineering issue. The notion of a decision occupies a central position in the decision-based approach. On one hand, information relevant to a decision must be elicited from stakeholders; modeled; and transformed into multi-dimensional form. On the other, decisions themselves are to be obtained from decision applications. For the former, the authors introduce a suite of information elicitation techniques specific to data warehousing. This information is subsequently converted into multi-dimensional form. For the latter, not only are decisions obtained from decision applications for managing operational businesses, but also from applications for formulating business policies and for defining rules for enforcing policies, respectively. In this context, the book presents a broad range of models, tools and techniques. For readers from academia, the book identifies the scientific/technological problems it addresses and provides cogent arguments for the proposed solutions; for readers from industry, it presents an approach for ensuring that the product meets its requirements while ensuring low lead times in delivery.

**Healthcare Business Intelligence** Laura Madsen 2012-07-20 Solid business intelligence guidance uniquely designed for healthcare organizations Increasing regulatory pressures on healthcare organizations have created a national conversation on data, reporting and analytics in healthcare. Behind the scenes, business intelligence (BI) and data warehousing (DW) capabilities are key drivers that empower these functions. Healthcare Business Intelligence is designed as a guidebook for healthcare organizations dipping their toes into the areas of business intelligence and data warehousing. This volume is essential in how a BI capability can ease the increasing regulatory reporting pressures on all healthcare organizations. Explores the five tenets of healthcare business intelligence Offers tips for creating a BI team Identifies what healthcare organizations should focus on first Shows you how to gain support for your BI program Provides tools and techniques that will jump start your BI Program Explains how to market and maintain your BI Program The risk associated with doing BI/DW wrong is high, and failures are well documented. Healthcare Business Intelligence helps you get it right, with expert guidance on getting your BI program started and successfully keep it going.

**Fortune** Henry Robinson Luce 2003

**Data Warehousing and Mining** John Wang 2008 "This collection offers tools, designs, and outcomes of the utilization of data mining and warehousing technologies, such as algorithms, concept lattices, multidimensional data, and online analytical processing. With more than 300 chapters contributed by over 575 experts from around the globe, this authoritative collection will provide libraries with the essential reference on data mining and warehousing"--Provided by publisher.

**The Integrated Data Hub, the Next Generation Data Warehouse** Dario Mangano 2013-10-22 Data Warehouse projects fail. As an industry we have been battling with this phenomenon for decades. Though we have been getting better over the years, as an industry we still have a long way to go. Fortunately some people have found ways to beat the odds. By thinking out of the box,

formulating new ideas, and creating new innovative approaches these people have each somehow unlocked the secrets of successful DW programs. Within this group there are those who have fire tested their theories with real life deployments. They have proven the merits of their ideas with perhaps the only test that really matters – actually deploying successful DW programs. Now this is a small group, a special club, and of the few members in this club, an even smaller group is willing and able to communicate and share their ideas. In this book, Integrated Data Hub™, Dario Mangano shares with us his ideas including the solution he developed and the proven architecture that he has successfully deployed in several organizations. This book is a guide to a successful data warehousing business intelligence (DWBI) program. One of the success factors is recognizing that there is no success to be found in a data warehouse project. To leverage enterprise data we have to recognize two things; first that the data warehouse is not a project with a beginning and end but rather an ongoing program, and second that this program is not technically driven but actually business and information driven. The Integrated Data Hub™ is an organizational information framework that takes into account the dynamic characteristics of the data warehouse function. Business alignment, data integration and historization are ongoing dynamic functions that need to respond to changes in the business, changes in the sources, and changes in downstream requirements. The organizational need for enterprise-wide data is an increasingly important component of enterprise management. With this increasing importance comes also an increasing need for traceability and auditability. Dario explains how the role of the business intelligence department is to manage the transformation of integrated and trusted data into understandable information with real business meaning. Dario's IDH leverages the concepts and principles of both Bill Inmon's data warehouse and corporate information factory, and of Ralph Kimball's dimensional modeling and data marts. Insofar as the goals of the IDH require an optimized modeling paradigm, Dario has specified the use of the data vault modeling approach. Dario starts by sketching the historical background and then introduces the IDH concept. Keep reading as Dario weaves the IDH components together into an effective strategy and a cohesive blueprint for enterprise information management. From a modeling perspective this book takes us from 3NF and Star Schemas to Data Vault and Dario's own Leaf Schemas. From an architectural perspective this book describes the component layers and their specific characteristics. This book is a great addition to the IP for the new age of data warehousing and information management. Data Warehouse programs using the IDH™ succeed. And perhaps that is the most compelling reason to read this book. Hans Hultgren (Author of the book: Modeling the Agile Data Warehouse with Data Vault)

Agile Data Warehousing Project Management Ralph Hughes 2012-09-28 What is agile data warehousing? -- Iterative development in a nutshell -- Streamlining project management -- Authoring better user stories -- Deriving initial project backlogs -- Developer stories for data integration -- Estimating and segmenting projects -- Adapting agile for data warehousing -- Starting and scaling agile data warehousing.

Pentaho Kettle Solutions Matt Casters 2010-09-28 A complete guide to Pentaho Kettle, the Pentaho Data Integration toolset for ETL This practical book is a complete guide to installing, configuring, and managing Pentaho Kettle. If you're a database administrator or developer, you'll first get up to speed on Kettle basics and how to apply Kettle to create ETL solutions—before progressing to specialized concepts such as clustering, extensibility, and data vault models. Learn how to design and build every phase of an ETL solution. Shows developers and database administrators how to use the open-source Pentaho Kettle for enterprise-level ETL processes (Extracting, Transforming, and Loading data) Assumes no prior knowledge of Kettle or ETL, and brings beginners thoroughly up to speed at their own pace Explains how to get Kettle solutions up and running, then follows the 34 ETL subsystems model, as created by the Kimball Group, to explore the entire ETL lifecycle, including all aspects of data warehousing with Kettle Goes beyond routine tasks to explore how to extend Kettle and scale Kettle solutions using a distributed “cloud” Get the most out of Pentaho Kettle and your data warehousing with this detailed guide—from simple single table data migration to complex multisystem clustered data integration tasks.

Agile Data Warehousing Ralph Hughes 2008 Contains a six-stage plan for starting new warehouse projects and guiding programmers step-by-step until they become a world-class, Agile development team. It describes also how to avoid or contain the fierce opposition that radically new methods can encounter from the traditionally-minded IS departments found in many large companies.

Successful Business Intelligence: Secrets to Making BI a Killer App Cindi Howson 2007-11-26 Praise for Successful Business Intelligence "If you want to be an analytical competitor, you've got to go well beyond business intelligence technology. Cindi Howson has wrapped up the needed advice on technology, organization, strategy, and even culture in a neat package. It's required reading for quantitatively oriented strategists and the technologists who support them." --Thomas H. Davenport, President's Distinguished Professor, Babson College and co-author, *Competing on Analytics* "When used strategically, business intelligence can help companies transform their organization to be more agile, more competitive, and more profitable. Successful Business Intelligence offers valuable guidance for companies looking to embark upon their first BI project as well as those hoping to maximize their current deployments." --John Schwarz, CEO, Business Objects "A thoughtful, clearly written, and carefully researched examination of all facets of business intelligence that your organization needs to know to run its business more intelligently and exploit information to its fullest extent." --Wayne Eckerson, Director, TDWI Research "Using real-world examples, Cindi Howson shows you how to use business intelligence to improve the performance, and the quality, of your company." --Bill Baker, Distinguished Engineer & GM, Business Intelligence Applications, Microsoft Corporation "This book outlines the key steps to make BI an integral part of your company's culture and demonstrates how your company can use BI as a competitive differentiator." --Robert VanHees, CFO, Corporate Express "Given the trend to expand the business analytics user base, organizations are faced with a number of challenges that affect the success rate of these projects. This insightful book provides practical advice on improving that success rate." --Dan Vesset, Vice President, Business Analytics Solution Research, IDC

Principles and Applications of Business Intelligence Research Herschel, Richard T. 2012-12-31 "This book provides the latest ideas and research on advancing the understanding and implementation of business intelligence within organizations"--Provided by publisher.

Encyclopedia of Organizational Knowledge, Administration, and Technology Khosrow-Pour D.B.A., Mehdi 2020-09-29 For any organization to be successful, it must operate in such a manner that knowledge and information, human resources, and technology are continually taken into consideration and managed effectively. Business concepts are always present regardless

of the field or industry – in education, government, healthcare, not-for-profit, engineering, hospitality/tourism, among others. Maintaining organizational awareness and a strategic frame of mind is critical to meeting goals, gaining competitive advantage, and ultimately ensuring sustainability. The Encyclopedia of Organizational Knowledge, Administration, and Technology is an inaugural five-volume publication that offers 193 completely new and previously unpublished articles authored by leading experts on the latest concepts, issues, challenges, innovations, and opportunities covering all aspects of modern organizations. Moreover, it is comprised of content that highlights major breakthroughs, discoveries, and authoritative research results as they pertain to all aspects of organizational growth and development including methodologies that can help companies thrive and analytical tools that assess an organization's internal health and performance. Insights are offered in key topics such as organizational structure, strategic leadership, information technology management, and business analytics, among others. The knowledge compiled in this publication is designed for entrepreneurs, managers, executives, investors, economic analysts, computer engineers, software programmers, human resource departments, and other industry professionals seeking to understand the latest tools to emerge from this field and who are looking to incorporate them in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to business, management science, organizational development, entrepreneurship, sociology, corporate psychology, computer science, and information technology will benefit from the research compiled within this publication.

De 5 frustraties van teamwork Patrick Lencioni 2012-06-19 In De vijf frustraties van teamwork legt Patrick Lencioni de kern van samenwerking in teams bloot. Dat doet hij aan de hand van deze parabel, waarin Catherine Petersen als ceo een team moet leiden dat onderling zo in conflict is geraakt dat het de hele organisatie negatief beïnvloedt. Gaandeweg openbaren zich vijf grote frustraties waarmee teamleden worstelen, frustraties die de samenwerking saboteren: gebrek aan betrokkenheid, afschuiven van verantwoordelijkheid en niet-resultaatgericht werken. Lencioni laat middels dit verhaal zien hoe deze hindernissen ontstaan en hoe je ze achter je kunt laten. Vervolgens werkt hij het onderliggende model uit. Een boek met een krachtige boodschap voor iedereen die in of met teams werkt.

Delivering Business Intelligence Kyle Britt 2019-11-24 This book is the complete Series of Delivering Business Intelligence. Included in this Series are the following Volumes: Volume 1: Iterative Agile Stakeholder Management Template Abstract: This Iterative Agile Project Management Template accomplishes three main objectives. First, the iterative agile methodology provides the framework for successfully breaking down and delivering the project. Second, it establishes the appropriate level of communication and documentation for the Project Stakeholders. Third, it delivers the status of the project in a way drives collaboration and teamwork with the Project Stakeholders. Volume 2: Introduction to the Project Charter Abstract: This book is Volume 2 of the Series "Delivering Business Intelligence" and focuses primarily on the Project Charter. The book takes a postmortem look at the failure of a family owned and operated medium size business through the lens of Project Management Professional (PMP) and Lean Six Sigma Methodologies. The book introduces Business Intelligence (BI), the evolution of BI including what it is and what it is not. The book expands on the importance of teamwork in problem solving as it relates to implementing the framework of BI and Business Adoption. The book articulates the need to clearly understand and document the problem and provides best practice techniques to do so. The book introduces the Project Charter and provides a Project Charter Template including the Business Case, Opportunity Statement, Goal Statement, Project Scope, Strawman Roadmap, and Project Team/Project Stakeholders. Volume 3: Induction to the Functional Requirements Document Abstract: This book is Volume 3 of the Series "Delivering Business Intelligence". In this Volume we capture the Voice of the Customer (VOC) and begin to translate their problems into Critical Customer Requirements (CCRs). We expand on common recurring challenges with implementing sustainable Business Intelligence in today's marketplace and the importance of KPI's and Operational Definitions. We outline the Functional Requirements Document (FRD) used to consolidate and document the CCRs, KPIs and Operational Definitions. We provide a Functional Requirements Document (FRD) template which is the deliverable for this Volume. Volume 4: Delivering a BI Warehouse Abstract: This book is Volume 4 of the Series "Delivering Business Intelligence". In this Volume we provided a solution to the problems identified in Volume 3. We identified the project team roles needed to implement the solution. We outlined the data landscape and the best practice architecture, including an ODS, a Data Warehouse, and a Business Data Layer. We talked about the risks in today's marketplace with analyst between IT and the end user of the information. We broke down the project into iterations based on the VOC. We then identified key milestones and put together a strawman roadmap. We tied this back to Volume 1. We concluded the series with Executing the Project (Development), Monitoring and Controlling the Project (Testing) and Closing the Project (Implementation).

Extreme Scoping Larissa Moss 2013-08-15 Extreme Scoping, based on the Business Intelligence Roadmap, will show you how to build analytics applications rapidly yet not sacrifice data management and enterprise architecture.

Successful Business Intelligence: Secrets to Making BI a Killer App Cindi Howson 2007-12-17 Praise for Successful Business Intelligence "If you want to be an analytical competitor, you've got to go well beyond business intelligence technology. Cindi Howson has wrapped up the needed advice on technology, organization, strategy, and even culture in a neat package. It's required reading for quantitatively oriented strategists and the technologists who support them." --Thomas H. Davenport, President's Distinguished Professor, Babson College and co-author, Competing on Analytics "When used strategically, business intelligence can help companies transform their organization to be more agile, more competitive, and more profitable. Successful Business Intelligence offers valuable guidance for companies looking to embark upon their first BI project as well as those hoping to maximize their current deployments." --John Schwarz, CEO, Business Objects "A thoughtful, clearly written, and carefully researched examination of all facets of business intelligence that your organization needs to know to run its business more intelligently and exploit information to its fullest extent." --Wayne Eckerson, Director, TDWI Research "Using real-world examples, Cindi Howson shows you how to use business intelligence to improve the performance, and the quality, of your company." --Bill Baker, Distinguished Engineer & GM, Business Intelligence Applications, Microsoft Corporation "This book outlines the key steps to make BI an integral part of your company's culture and demonstrates how your company can use BI as a competitive differentiator." --Robert VanHees, CFO, Corporate Express "Given the trend to expand the business analytics user base, organizations are faced with a number of challenges that affect the success rate of these projects. This insightful book provides practical advice on improving that success rate." --Dan Vesset, Vice President, Business Analytics Solution Research,

IDC

**Agile Data Warehousing for the Enterprise** Ralph Hughes 2015-09-19 Building upon his earlier book that detailed agile data warehousing programming techniques for the Scrum master, Ralph's latest work illustrates the agile interpretations of the remaining software engineering disciplines: Requirements management benefits from streamlined templates that not only define projects quickly, but ensure nothing essential is overlooked. Data engineering receives two new "hyper modeling" techniques, yielding data warehouses that can be easily adapted when requirements change without having to invest in ruinously expensive data-conversion programs. Quality assurance advances with not only a stereoscopic top-down and bottom-up planning method, but also the incorporation of the latest in automated test engines. Use this step-by-step guide to deepen your own application development skills through self-study, show your teammates the world's fastest and most reliable techniques for creating business intelligence systems, or ensure that the IT department working for you is building your next decision support system the right way. Learn how to quickly define scope and architecture before programming starts Includes techniques of process and data engineering that enable iterative and incremental delivery Demonstrates how to plan and execute quality assurance plans and includes a guide to continuous integration and automated regression testing Presents program management strategies for coordinating multiple agile data mart projects so that over time an enterprise data warehouse emerges Use the provided 120-day road map to establish a robust, agile data warehousing program

**Ace the IT Interview** Paula Moreira 2008-01-01 Proven strategies for getting hired as an IT professional This practical guide for developing winning interviewing skills has been fully updated and revised to focus on today's most sought-after IT jobs. Go behind the scenes of the IT interview process and get inside the mind of potential employers. You'll find out how to make a great first impression and stand out from the competition. Ace the IT Interview features hundreds of questions that are likely to come up on your next technical interview along with key points to include in your answers so you can practice your responses based on your strengths and experience. Present yourself as a truly valuable IT professional and get a great job with help from this real-world guide. Understand the hiring manager's perspective Create a first-rate resume that highlights your skills Get past gatekeepers and get the interviews you want Make a great first impression and stand out in the crowd Master sticky questions about your work history Prepare for different types of interview settings, including telephone and video-conference interviews Ask intelligent, relevant questions Ace the interview follow-up Evaluate your offers, negotiate salary, and close the deal

**Non-Invasive Data Governance** Robert Seiner 2019-01-02 Non-Invasive Data Governance biedt u een complete set tools om een succesvol data-governance-programma op te zetten.

**Impossible Data Warehouse Situations** Sid Adelman 2003 Nine leading data warehouse experts provide answers to problematic situations encountered by a variety of organizations.

**Agile Analytics** Ken Collier 2012 Using Agile methods, you can bring far greater innovation, value, and quality to any data warehousing (DW), business intelligence (BI), or analytics project. However, conventional Agile methods must be carefully adapted to address the unique characteristics of DW/BI projects. In Agile Analytics, Agile pioneer Ken Collier shows how to do just that. Collier introduces platform-agnostic Agile solutions for integrating infrastructures consisting of diverse operational, legacy, and specialty systems that mix commercial and custom code. Using working examples, he shows how to manage analytics development teams with widely diverse skill sets and how to support enormous and fast-growing data volumes. Collier's techniques offer optimal value whether your projects involve "back-end" data management, "front-end" business analysis, or both. Part I focuses on Agile project management techniques and delivery team coordination, introducing core practices that shape the way your Agile DW/BI project community can collaborate toward success Part II presents technical methods for enabling continuous delivery of business value at production-quality levels, including evolving superior designs; test-driven DW development; version control; and project automation Collier brings together proven solutions you can apply right now--whether you're an IT decision-maker, data warehouse professional, database administrator, business intelligence specialist, or database developer. With his help, you can mitigate project risk, improve business alignment, achieve better results--and have fun along the way.

**Business Intelligence en Datawarehousing** Karien Verhagen 2011 Dit boek behandelt twee onderwerpen: business intelligence, dat staat voor betere inzichten in het bedrijfsmatige functioneren (zelfkritiek, zelfkennis) en datawarehousing die de ICT behandelt teneinde een proces te ontwikkelen waardoor de business intelligence kan worden ondersteund. In het boek worden onder andere behandeld: bestuurlijke informatie, systeemkunde, strategie, datamining, opslagstructuur en techniek. Achter elk hoofdstuk volgen vragen en opdrachten; het boek besluit met een literatuuroverzicht en register.

**Building Integrated Business Intelligence Solutions with SQL Server 2008 R2 & Office 2010** Philo Janus 2011-02-22 Master Microsoft's Business Intelligence Tools Building Integrated Business Intelligence Solutions with SQL Server 2008 R2 & Office 2010 explains how to take full advantage of Microsoft's collaborative business intelligence (BI) tools. A variety of powerful, flexible technologies are covered, including SQL Server Analysis Services (SSAS), Excel, Excel Services, PowerPivot, SQL Server Integration Services (SSIS), Server Reporting Services (SSRS), SharePoint Server 2010, PerformancePoint Services, and Master Data Services. This practical guide focuses on developing end-to-end BI solutions that foster informed decision making. Create a multidimensional store for aggregating business data with SSAS Maximize the analysis capabilities of Excel and Excel Services Combine data from different sources and connect data for analysis with PowerPivot Move data into the system using SSIS, InfoPath, Streamsight, and SharePoint 2010 External Lists Build and publish reports with SSRS Integrate data from disparate applications, using SharePoint 2010 BI features Create scorecards and dashboards with PerformancePoint Services Summarize large volumes of data in charts and graphs Use the SSRS map feature for complex visualizations of spatial data Uncover patterns and relationships in data using the SSAS data mining engine Handle master data management with Master Data Services Publish the components of your BI solution and perform administrative tasks

**Business Analytics for Sales and Marketing Managers** Gert H. N. Laursen 2011-04-05 Expert guidance on information management for optimum customer intelligence processes Providing essential guidance for information management, this book helps you understand the basics of information management, how to design and launch customer intelligence campaigns, and optimize existing customer intelligence processes. How to align information management with company strategy Examines how to get, grow, and retain valuable customers Discusses how to optimize existing customer intelligence processes Showing you how to make extensive use of data, statistical, and quantitative analysis, explanatory and predictive modeling, and fact-based

management to drive decision making, Business Analytics for Customer Intelligence provides you with the tools your business needs to optimize your data driven processes.

**Comprehensive Guide on the Road to SAP BW/4HANA** Argir Hristoforov Yuliyarov 2021-09-01 SAP BW/4HANA is SAP's next generation data warehouse solution. It is a new product, built entirely on one of the most advanced in-memory platforms today. It provides a simple set of objects that is well suited for modeling an agile and flexible layered architecture of a modern data warehouse. SAP BW/4HANA comes with state-of-the-art user interfaces for administrators, developers, and end users as well as completely SAP HANA-optimized processes that let you leverage huge amounts of data in real time for competitive advantage. Along with these it is possible to prepare for the system conversion to SAP BW/4HANA by already adopting the future target capabilities in SAP Business Warehouse powered by SAP HANA. Converting a SAP BW system to SAP BW/4HANA is not a simple task. There is no "wizard" that magically converts everything. SAP provides a well-defined process to guide you through the renovation of data warehouse and with this I have prepared this book to explain the basic principle and scope of In-Place Conversion for SAP BW/4HANA. What about older BW releases? SAP BW 7.5 is still in maintenance until 2030, but you can not expect any new functionalities for it.

**The Analytical Puzzle** David Haertzen 2012-07-01 Do you enjoy completing puzzles? Perhaps one of the most challenging (yet rewarding) puzzles is delivering a successful data warehouse suitable for data mining and analytics. The Analytical Puzzle describes an unbiased, practical, and comprehensive approach to building a data warehouse which will lead to an increased level of business intelligence within your organization. New technologies continuously impact this approach and therefore this book explains how to leverage big data, cloud computing, data warehouse appliances, data mining, predictive analytics, data visualization and mobile devices. Here are the main objectives for each of the book's 19 chapters: • Chapter 1: Develop a foundational knowledge of data warehousing, business intelligence and analytics • Chapter 2: Build the business case needed to sell your data warehousing project, and then produce a project plan that avoids common pitfalls • Chapter 3: Elicit and organize business intelligence and data warehousing business requirements • Chapter 4: Specify the technical architecture of the data warehousing system, including software and infrastructure components, technology stack, and non-functional requirements. Gain an understanding of cloud based data warehousing and data warehouse appliances • Chapter 5: Learn about data attributes including metrics and key performance indicators (KPIs), the raw material of data warehousing and business intelligence • Chapter 6: Learn about data modeling and how to apply design patterns for each part of the data warehouse • Chapter 7: Speak the dimensional modeling language of measures, dimensions, facts, cubes, stars, and snowflakes • Chapter 8: Organize a successful data governance program. Learn how to manage metadata for your data warehousing and business intelligence project • Chapter 9: Identify useful data sources and implement a data quality program • Chapter 10: Use database technology for your data warehousing project, and understand the impact of data warehouse appliances, big data, in memory databases, columnar databases and OnLine Analytical Processing (OLAP) • Chapter 11: Apply data integration and understand the role data mapping, data cleansing, data transformation, and loading data play in a successful data warehouse • Chapter 12: Use the business intelligence (BI) operations of slice, dice, drill down, roll up, and pivot to analyze and present data • Chapter 13: Learn about descriptive and predictive statistics, and calculate mean, median, mode, variance and standard deviation • Chapter 14: Harness analytical methods such as regression analysis, data mining, and statistics to make profitable decisions and anticipate the future • Chapter 15: Appreciate the components and design patterns that compose a successful analytic application • Chapter 16: Gain an understanding of the uses and benefits of scorecards and dashboards including support of mobile device users • Chapter 17: Gain insight into applications of business intelligence that could profit your organization, including risk management, finance, marketing, government, healthcare, science and sports • Chapter 18: Perform customer analytics to better understand and segment your customers • Chapter 19: Test, roll out, and sustain the data warehouse

**Big Data** Nasir Raheem 2019-02-21 Big Data: A Tutorial-Based Approach explores the tools and techniques used to bring about the marriage of structured and unstructured data. It focuses on Hadoop Distributed Storage and MapReduce Processing by implementing (i) Tools and Techniques of Hadoop Eco System, (ii) Hadoop Distributed File System Infrastructure, and (iii) efficient MapReduce processing. The book includes Use Cases and Tutorials to provide an integrated approach that answers the 'What', 'How', and 'Why' of Big Data. Features Identifies the primary drivers of Big Data Walks readers through the theory, methods and technology of Big Data Explains how to handle the 4 V's of Big Data in order to extract value for better business decision making Shows how and why data connectors are critical and necessary for Agile text analytics Includes in-depth tutorials to perform necessary set-ups, installation, configuration and execution of important tasks Explains the command line as well as GUI interface to a powerful data exchange tool between Hadoop and legacy r-dbms databases

**Extreme Scoping** Larissa T. Moss 2013-09-01 Do your business intelligence (BI) projects take too long to deliver? Is the value of the deliverables less than satisfactory? Do these projects propagate poor data management practices? If you screamed "yes" to any of these questions, read this book to master a proven approach to building your enterprise data warehouse and BI initiatives. Extreme Scoping, based on the Business Intelligence Roadmap, will show you how to build analytics applications rapidly yet not sacrifice data management and enterprise architecture. In addition, all of the roles required to deliver all seven steps of this agile methodology are explained along with many real-world examples. From Wayne Eckerson's Foreword I've read many books about data warehousing and business intelligence (BI). This book by Larissa Moss is one of the best. I should not be surprised. Larissa has spent years refining the craft of designing, building, and delivering BI applications. Over the years, she has developed a keen insight about what works and doesn't work in BI. This book brings to light the wealth of that development experience. Best of all, this is not some dry text that laboriously steps readers through a technical methodology. Larissa expresses her ideas in a clear, concise, and persuasive manner. I highlighted so many beautifully written and insightful paragraphs in her manuscript that it became comical. I desperately wanted the final, published book rather than the manuscript so I could dog-ear it to death and place it front-and-center in my office bookshelf! From David Well's Foreword Extreme Scoping is rich with advice and guidance for virtually every aspect of BI projects from planning and requirements to deployment and from back-end data management to front-end information and analytics services. Larissa is both a pragmatist and an independent thinker. Those qualities come through in the style of this book. Extreme Scoping is a well-written book that is easy to absorb. It is not full of surprises. It is filled with a lot of common sense and lessons learned through experience.

**The Data Warehouse Mentor: Practical Data Warehouse and Business Intelligence Insights** Robert Laberge 2011-05-12 Develop

a custom, agile data warehousing and business intelligence architecture Empower your users and drive better decision making across your enterprise with detailed instructions and best practices from an expert developer and trainer. The Data Warehouse Mentor: Practical Data Warehouse and Business Intelligence Insights shows how to plan, design, construct, and administer an integrated end-to-end DW/BI solution. Learn how to choose appropriate components, build an enterprise data model, configure data marts and data warehouses, establish data flow, and mitigate risk. Change management, data governance, and security are also covered in this comprehensive guide. Understand the components of BI and data warehouse systems Establish project goals and implement an effective deployment plan Build accurate logical and physical enterprise data models Gain insight into your company's transactions with data mining Input, cleanse, and normalize data using ETL (Extract, Transform, and Load) techniques Use structured input files to define data requirements Employ top-down, bottom-up, and hybrid design methodologies Handle security and optimize performance using data governance tools Robert Laberge is the founder of several Internet ventures and a principle consultant for the IBM Industry Models and Assets Lab, which has a focus on data warehousing and business intelligence solutions.

Database and Expert Systems Applications Sven Hartmann 2019-10-02 This two volume set of LNCS 11706 and LNCS 11707 constitutes the refereed proceedings of the 30th International Conference on Database and Expert Systems Applications, DEXA 2019, held in Linz, Austria, in August 2019. The 32 full papers presented together with 34 short papers were carefully reviewed and selected from 157 submissions. The papers are organized in the following topical sections: Part I: Big data management and analytics; data structures and data management; management and processing of knowledge; authenticity, privacy, security and trust; consistency, integrity, quality of data; decision support systems; data mining and warehousing. Part II: Distributed, parallel, P2P, grid and cloud databases; information retrieval; Semantic Web and ontologies; information processing; temporal, spatial, and high dimensional databases; knowledge discovery; web services.

Project Management, Program Management and Agile Scrum Questions and Answers Suresh Basandra 2014-08-19 Many folks become project managers by chance. Someone assigns them the management of a project because of their area of expertise while not taking into account they have never had any formal project management education or training. And without the specific knowledge, skills and techniques necessary to clarify objectives, avoid serious errors of omission, and eliminate costly mistakes, the whole enterprise can quickly become a recipe for disaster. But for those without the formal background who want to become acquainted with the discipline of Project Management, Program Management and Agile Scrum, help has indeed arrived. How This Book Is Organized? This book is based on questions that have been asked in job interviews, seminars, conferences, classes and workshops, and in general discussions on project management regarding frequent project management problems. The discussions here are not on theoretical matters, nor do they dwell on the self-evident or trivial. The focus here is on real problems encountered by project managers, program managers or scrum masters working in the trenches, trying to get their projects done in today's stress-filled environment. These responses are based on what tends to work, at least most of the time, for those of us who lead actual projects or manage scrums. Arranged by topic, this book makes it easy for you to locate the information you need quickly. Each section starts with an overview of a given topic. Key Topics covered include in about 600 Questions and Answers: 1. Project Management Overview 2. Project Scope and Requirements Management 3. Project Estimation 4. Project Planning 5. Cost Management 6. Time Management 7. Project Control 8. Human Resources Management 9. Project Management Organization 10. Risk Management 11. Change Management 12. Quality Management 13. Communications 14. Process 15. Project Evaluation 16. Program Management 17. Managing Multiple Projects 18. Project Management Tools 19. Software Development 20. Extreme Programming 21. Dynamic Systems Development Method 22. Agile Scrum 23. Agile Project Management 24. Project Management and Agile Scrum 25. Functional Management and Agile Scrum 26. Project Management Templates 27. Project Management Screening Questions 28. Glossary 29. Acronyms Support for This Book Every effort has been made to ensure the accuracy of this book. This is a revised and updated edition incorporating the feedback received from numerous reviews. It is planned to keep this book updated on a regular basis so that the readers are kept current with latest trends. Improvements to this book have evolved naturally from various feedbacks on the previous editions. I sincerely appreciate the invaluable feedback provided by various readers and reviewers. Please provide any feedback and corrections using <http://books.basandra.com/>. Thank you in advance for your feedback. Author's Books: 1. C and C++ Questions and Answers 2. Computers Today 3. Database, Data Warehouse and Business Intelligence Questions and Answers 4. Java Questions and Answers 5. Job Interview Questions and Answers 6. Management and Leadership Questions and Answers 7. Management Information Systems 8. Mobile Applications Architecture and Development Questions and Answers 9. Project Management, Program Management and Agile Scrum Questions and Answers 10. Software Architecture, Data Structures, Algorithms, Programming and Testing Questions and Answers 11. UNIX, Networks and Security Questions and Answers 12. Web Architecture, Web Design and Web Development Questions and Answers

Data Analytics in Project Management Seweryn Spalek 2018-10-25 This book aims to help the reader better understand the importance of data analysis in project management. Moreover, it provides guidance by showing tools, methods, techniques and lessons learned on how to better utilize the data gathered from the projects. First and foremost, insight into the bridge between data analytics and project management aids practitioners looking for ways to maximize the practical value of data procured. The book equips organizations with the know-how necessary to adapt to a changing workplace dynamic through key lessons learned from past ventures. The book's integrated approach to investigating both fields enhances the value of research findings.

Data Warehousing Fundamentals for IT Professionals Paulraj Ponniah 2011-09-20 CUTTING-EDGE CONTENT AND GUIDANCE FROM A DATA WAREHOUSING EXPERT—NOW EXPANDED TO REFLECT FIELD TRENDS Data warehousing has revolutionized the way businesses in a wide variety of industries perform analysis and make strategic decisions. Since the first edition of Data Warehousing Fundamentals, numerous enterprises have implemented data warehouse systems and reaped enormous benefits. Many more are in the process of doing so. Now, this new, revised edition covers the essential fundamentals of data warehousing and business intelligence as well as significant recent trends in the field. The author provides an enhanced, comprehensive overview of data warehousing together with in-depth explanations of critical issues in planning, design, deployment, and ongoing maintenance. IT professionals eager to get into the field will gain a clear understanding of techniques for data extraction from source systems, data cleansing, data transformations, data warehouse architecture and infrastructure, and the various methods for information delivery. This practical Second Edition highlights the areas of data warehousing and

business intelligence where high-impact technological progress has been made. Discussions on developments include data marts, real-time information delivery, data visualization, requirements gathering methods, multi-tier architecture, OLAP applications, Web clickstream analysis, data warehouse appliances, and data mining techniques. The book also contains review questions and exercises for each chapter, appropriate for self-study or classroom work, industry examples of real-world situations, and several appendices with valuable information. Specifically written for professionals responsible for designing, implementing, or maintaining data warehousing systems, *Data Warehousing Fundamentals* presents agile, thorough, and systematic development principles for the IT professional and anyone working or researching in information management.

*Data Warehousing and Knowledge Discovery* Alfredo Cuzzocrea 2012-08-29 This book constitutes the refereed proceedings of the 14th International Conference on Data Warehousing and Knowledge Discovery, DaWaK 2012 held in Vienna, Austria, in September 2012. The 36 revised full papers presented were carefully reviewed and selected from 99 submissions. The papers are organized in topical sections on data warehouse design methodologies, ETL methodologies and tools, multidimensional data processing and management, data warehouse and OLAP extensions, data warehouse performance and optimization, data mining and knowledge discovery techniques, data mining and knowledge discovery applications, pattern mining, data stream mining, data warehouse confidentiality and security, and distributed paradigms and algorithms.