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"See how SAP S/4HANA will change your BI processes! Explore the embedded analytics architecture and data model to learn how to perform analytics on live transactional data. Business user? Walk step-by-step through SAP Smart Business KPIs and multidimensional reporting. Analytics specialist? Master the virtual data model and creating KPIs. Jack of all trades? Create CDS views, apply custom fields and logic, or see what's coming up with machine learning. This is your complete guide to SAP S/4HANA embedded analytics!"--

The SAP BusinessObjects Business Intelligence platform is a powerful reporting and analysis tool. This book is the ideal introduction to the SAP BusinessObjects Business Intelligence platform, introducing you to its data visualization, visual analytics, reporting, and dashboarding capabilities.

Unlock the essentials of SAS programming! Fundamentals of Programming in SAS: A Case Studies Approach gives a complete introduction to SAS programming. Perfect for students, novice SAS users, and programmers studying for their Base SAS certification, this book covers all the basics, including: working with data creating visualizations data validation good programming practices Experienced programmers know that real-world scenarios require practical solutions. Designed for use in the classroom and for self-guided learners, this book takes a novel approach to

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learning SAS programming by following a single case study throughout the text and circling back to previous concepts to reinforce material. Readers will benefit from the variety of exercises, including both multiple choice questions and in-depth case studies. Additional case studies are also provided online for extra practice. This approach mirrors the way good SAS programmers develop their skills—through hands-on work with an eye toward developing the knowledge necessary to tackle more difficult tasks. After reading this book, you will gain the skills and confidence to take on larger challenges with the power of SAS.

SAP BusinessObjects Dashboards is a leading Business Intelligence and reporting tool that provides you with a real-time understanding of your business with agile visualizations. Starting with an introduction to Dashboards and its benefits, the book slowly moves on to explain the dashboard creation process. After this, you will learn how to add charts, single-value components, maps, selectors, and other third-party plugins to the existing dashboards. Furthermore, it shares many best practices and will also help you to connect your dashboard to real data by establishing a data connection to a data source. You can also explore more about mobile BI and learn how to create dashboards for mobile devices. By the end of the book, you will be able to prepare, plan, and design interactive dashboards based on your business requirements using this cutting-edge BI tool.

Focus on SAP business analytics business gains, key features, and implementation. The book includes

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example implementations of SAP business analytics, the challenges faced, and the solutions implemented. SAP Business Analytics explains both the strategy and technical implementation for gathering and analyzing all the information pertaining to an organization. Key features of the book are: A 360-degree view of an organization's data and the methods to gather and analyze that data The strategies that need to be in place to gather relevant data from disparate systems Details about the SAP business analytics suite of products The technical implementations used to gather data from disparate systems such as ERP and CRM Real business cases as examples Analytics is the driving force in today's business, be it healthcare, marketing, telecommunications, or retail and hence the most vital part of any organization's strategy. What You'll Learn Gain an understanding of business analytics in general Absorb the technical details of the SAP business analytics suite of products Discover the challenges faced during an enterprise-level analytics project implementation Learn the key points to be kept in mind during the technical implementation of an SAP business analytics project Who This Book Is For Analytics strategists, BI managers, BI architects, business analysts, and BI developers.

Bring your data presentations into focus with this comprehensive guide to SAP BusinessObjects Web Intelligence. Updated for Webi 4.2, this book will teach you to create, design, and share your reports, while exploring the fundamentals of Webi and its extended capabilities. This fourth edition includes information on

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data source options for building new documents and queries, and a new HTML5-based viewing interface. Punch up your reporting and analysis! a. SAP BI 4.2 SP4 Dive into Web Intelligence 4.2 enhancements and platform improvements, including a new HTML5 user interface, support for geomaps, and access to additional data sources b. Webi from A to Z Get the complete picture of working with Web Intelligence, from creation to publication. From the first step to the last, learn how to design reports that make an impact with this comprehensive guide c. Web Intelligence Interactive Viewer Discover the HTML5-based Web Intelligence Interactive Viewer and BI launchpad, a fully integrated interface for organizing, viewing, analyzing, and sharing business intelligence content.

Over 90 simple and incredibly effective recipes for transforming your business data into exciting dashboards with SAP BusinessObjects Dashboards 4.0 Xcelsius with this book and eBook.

Thoroughly updated and expanded! Includes new coverage on HANA, the cloud, and using SAP's applications! In just 24 sessions of one hour or less, you'll get up and running with the latest SAP technologies, applications, and solutions. Using a straightforward, step-by-step approach, each lesson strengthens your understanding of SAP from both a business and technical perspective, helping you gain practical mastery from the ground up on topics such as security, governance, validations, release management, SLA, and legal issues. Step-by-step

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instructions carefully walk you through the most common questions, issues, and tasks. Quizzes and exercises help you build and test your knowledge. Notes present interesting pieces of information. Tips offer advice or teach an easier way to do something. Cautions advise you about potential problems and help you steer clear of disaster. Learn how to...

Understand SAP terminology, concepts, and solutions
Install SAP on premises or in the cloud
Master SAP's revamped user interface
Discover how and when to use in-memory HANA databases
Integrate SAP Software as a Service (SaaS) solutions such as Ariba, Successfactors, Fieldglass, and hybris
Find resources at SAP's Service Marketplace, Developer Network, and Help Portal
Avoid pitfalls in SAP project implementation, migration, and upgrades
Discover how SAP fits with mobile devices, social media, big data, and the Internet of Things
Start or accelerate your career working with SAP technologies

"Ready for SAP BW/4HANA 2.0? This comprehensive guide will teach you all there is to know about the next generation business warehouse from SAP! Start with a fresh installation or migrate from an existing system. Then understand the new architecture, explore administration tasks with SAP HANA Studio, learn to model and analyze data, and find out how to connect to frontend BI tools"--

What will your financial transformation look like? This

introduction to SAP S/4HANA Finance shows you next-generation finance in the new suite: financial accounting, management accounting, risk management, financial planning, and more. Consider how each process works in SAP S/4HANA, and explore the SAP Fiori apps that help you meet today's business user and reporting requirements. From previewing project planning to navigating deployment options, take your first steps toward financial transformation!

a. The Basics Explore financial transformation with SAP's new platform. Discover the system, the database, the UI, and more--all from a business perspective. Then, understand how an SAP S/4HANA Finance implementation would impact your organization.

b. Core Processes Financial transformation affects every process. See what SAP S/4HANA does for management accounting, treasury and risk management, financial close, consolidation, reporting, and more.

c. From Planning to Go-Live Get a head start on project preparation! See how SAP S/4HANA Finance fits into your IT landscape, and explore your deployment options: on-premise, hybrid, or cloud.

Highlights Include:

- 1) Universal Journal
- 2) SAP HANA
- 3) Management accounting
- 4) Financial close and consolidation
- 5) Reporting and analytics
- 6) Treasury and Risk Management
- 7) SAP Fiori applications
- 8) Deployment and adoption
- 9) Financial transformation
- 10) SAP S/4HANA

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Discover the next generation of BI with this guide to SAP Analytics Cloud! Get your data into the system and see which data models to use in which situations. Next, learn about stories--how to create visualizations for them, publish them, and enhance them. With information on using SAP Analytics Cloud for financial planning, predictive analytics, dashboard creation, and more, this book is your one-stop shop! Highlights include: 1) Data modeling 2) Stories 3) Visualizations 4) Dashboards 5) Financial planning 6) Predictive analytics 7) SAP Analytics Cloud, analytics designer 8) SAP Digital Boardroom 9) SAP Analytics Hub 10) Data integration 11) Configuration

Information visualization is a language. Like any language, it can be used for multiple purposes. A poem, a novel, and an essay all share the same language, but each one has its own set of rules. The same is true with information visualization: a product manager, statistician, and graphic designer each approach visualization from different perspectives. Data at Work was written with you, the spreadsheet user, in mind. This book will teach you how to think about and organize data in ways that directly relate to your work, using the skills you already have. In other words, you don't need to be a graphic designer to create functional, elegant charts: this book will show you how. Although all of the examples in this book were created in Microsoft

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Excel, this is not a book about how to use Excel. Data at Work will help you to know which type of chart to use and how to format it, regardless of which spreadsheet application you use and whether or not you have any design experience. In this book, you'll learn how to extract, clean, and transform data; sort data points to identify patterns and detect outliers; and understand how and when to use a variety of data visualizations including bar charts, slope charts, strip charts, scatter plots, bubble charts, boxplots, and more. Because this book is not a manual, it never specifies the steps required to make a chart, but the relevant charts will be available online for you to download, with brief explanations of how they were created.

Practical Analytics covers analytics concepts and activities in a way that provides real-world skill building while reinforcing fundamental concepts. This book provides a much needed approach to analytics through theory, applications, and hands-on experience using the latest industry tools. This book provides a comprehensive and self-contained overview of analytics. The reader will be able to learn and apply all the concepts in the book without excessive prerequisites.

Everybody knows that SAP HANA makes things go faster - but if you want to implement it for your company, you need to promise more than just speed. How will it improve business processes? How

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will it save money? How will it save time? In this book, find out what SAP HANA can really do. Learn all you need to know about seven key innovations disrupting business analytics today. These innovations—the open source business model, cloud analytics, the Hadoop ecosystem, Spark and in-memory analytics, streaming analytics, Deep Learning, and self-service analytics—are radically changing how businesses use data for competitive advantage. Taken together, they are disrupting the business analytics value chain, creating new opportunities. Enterprises who seize the opportunity will thrive and prosper, while others struggle and decline: disrupt or be disrupted. Disruptive Business Analytics provides strategies to profit from disruption. It shows you how to organize for insight, build and provision an open source stack, how to practice lean data warehousing, and how to assimilate disruptive innovations into an organization. Through a short history of business analytics and a detailed survey of products and services, analytics authority Thomas W. Dinsmore provides a practical explanation of the most compelling innovations available today. What You'll Learn Discover how the open source business model works and how to make it work for you See how cloud computing completely changes the economics of analytics Harness the power of Hadoop and its ecosystem Find out why Apache Spark is everywhere Discover the potential of

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streaming and real-time analytics Learn what Deep Learning can do and why it matters See how self-service analytics can change the way organizations do business Who This Book Is For Corporate actors at all levels of responsibility for analytics: analysts, CIOs, CTOs, strategic decision makers, managers, systems architects, technical marketers, product developers, IT personnel, and consultants.

Enter the fast-paced world of SAP HANA 2.0 with this introductory guide. Begin with an exploration of the technological backbone of SAP HANA as a database and platform. Then, step into key SAP HANA user roles and discover core capabilities for administration, application development, advanced analytics, security, data integration, and more. No matter how SAP HANA 2.0 fits into your business, this book is your starting point. In this book, you'll learn about:

- Technology** Discover what makes an in-memory database platform. Learn about SAP HANA's journey from version 1.0 to 2.0, take a tour of your technology options, and walk through deployment scenarios and implementation requirements.
- Tools** Unpack your SAP HANA toolkit. See essential tools in action, from SAP HANA cockpit and SAP HANA studio, to the SAP HANA Predictive Analytics Library and SAP HANA smart data integration.
- Key Roles** Understand how to use SAP HANA as a developer, administrator, data scientist, data center architect, and more. Explore

key tasks like backend programming with SQLScript, security setup with roles and authorizations, data integration with the SAP HANA Data Management Suite, and more. Highlights include: 1) Architecture 2) Administration 3) Application development 4) Analytics 5) Security 6) Data integration 7) Data architecture 8) Data center

Master the SAP product ecosystem, the client environment, and the feasibility of implementing critical business process with the required technical and functional configuration. SAP Project Management Pitfalls is the first book to provide you with real examples of the pitfalls that you can avoid, providing you with a road-map to a successful implementation. Jay Kay, a SAP Program Manager for Capgemini, first takes a deep dive into common pitfalls in implementing SAP ERP projects in a complex IT landscape. You will learn about the potential causes of failures, study a selection of relevant project implementation case studies in the area, and see a range of possible countermeasures. Jay Kay also provides background on each - the significance of each implementation area, its relevance to a service company that implements SAP projects, and the current state of research. Key highlights of the book: Tools and techniques for project planning and templates for allocating resources Industry standards and innovations in SAP implementation projects in the form of standard

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solutions aimed at successful implementation Managing SAP system ECC upgrades, EHP updates and project patches Learn effective ways to implement robust SAP release management practices (change management, BAU) Wearing a practitioner's insight, Jay Kay explores the relevance of each failed implementation scenario and how to support your company or clients to succeed in a SAP implementation. There are many considerations when implementing SAP, but as you will learn, knowledge, insight, and effective tools to mitigate risks can take you to a successful implementation project.

This book offers a comprehensive guide to implementing SAP and HANA on private, public and hybrid clouds. Cloud computing has transformed the way organizations run their IT infrastructures: the shift from legacy monolithic mainframes and UNIX platforms to cloud based infrastructures offering ubiquitous access to critical information, elastic provisioning and drastic cost savings has made cloud an essential part of every organization's business strategy. Cloud based services have evolved from simple file sharing, email and messaging utilities in the past, to the current situation, where their improved technical capabilities and SLAs make running mission-critical applications such as SAP possible. However, IT professionals must take due care when deploying SAP in a public,

private or hybrid cloud environment. As a foundation for core business operations, SAP cloud deployments must satisfy stringent requirements concerning their performance, scale and security, while delivering measurable improvements in IT efficiency and cost savings. The 2nd edition of “SAP on the Cloud” continues the work of its successful predecessor released in 2013, providing updated guidance for deploying SAP in public, private and hybrid clouds. To do so, it discusses the technical requirements and considerations necessary for IT professionals to successfully implement SAP software in a cloud environment, including best-practice architectures for IaaS, PaaS and SaaS deployments. The section on SAP’s in-memory database HANA has been significantly extended to cover Suite on HANA (SoH) and the different incarnations of HANA Enterprise Cloud (HEC) and Tailored Datacenter Integration (TDI). As cyber threats are a significant concern, it also explores appropriate security models for defending SAP cloud deployments against modern and sophisticated attacks. The reader will gain the insights needed to understand the respective benefits and drawbacks of various deployment models and how SAP on the cloud can be used to deliver IT efficiency and cost-savings in a secure and agile manner.

Due to the complexity, and heterogeneity of the smart grid and the high volume of information to be

processed, artificial intelligence techniques and computational intelligence appear to be some of the enabling technologies for its future development and success. The theme of the book is “Making pathway for the grid of future” with the emphasis on trends in Smart Grid, renewable interconnection issues, planning-operation-control and reliability of grid, real time monitoring and protection, market, distributed generation and power distribution issues, power electronics applications, computer-IT and signal processing applications, power apparatus, power engineering education and industry-institute collaboration. The primary objective of the book is to review the current state of the art of the most relevant artificial intelligence techniques applied to the different issues that arise in the smart grid development.

Transform your logistics operations with SAP S/4HANA! With this introduction, see what SAP has in store for each supply chain line of business: sales order management, manufacturing, inventory management, warehousing, and more. Discover how SAP Fiori apps and embedded analytics improve reporting, and explore the intersection between your supply chain processes and new SAP Leonardo technologies. Take your first look at SAP S/4HANA logistics, and see where it will take your business! a. Key Processes Advances in SAP S/4HANA are changing your supply chain. Explore planning and

scheduling, transportation management, inventory management, manufacturing, warehousing, sourcing and procurement, plant maintenance, and more! b.

The Future of Logistics Uncover what's new and improved in SAP S/4HANA for your logistics LOBs, such as centralized procurement to demand-driven MRP. See how technologies like IoT and machine learning can accelerate your core supply chain processes. c. Migration Once you see the logistics big picture, you can plan your next steps. Learn how to design your roadmap, evaluate your technical and functional conversion steps, and prepare your system for your desired migration path. 1) Sourcing and procurement 2) Inventory management 3) Warehouse management 4) Production planning 5) Manufacturing operations 6) Plant maintenance 7) Quality management 8) SAP Fiori applications 9) SAP Leonardo technologies 10) Implementation and migration 11) SAP S/4HANA 1809

Put machine learning to work in SAP S/4HANA! Get started by reviewing your available tools and implementation options. Then, learn how to set up services, train models, and manage applications. Discover how machine learning is implemented in key lines of business, from finance to sales. With details on extensibility and related SAP Cloud Platform services, you'll find everything you need to make the most of machine learning! In this book, you'll learn about: a. Tools and Technologies Get to

know the machine learning toolkit you can use to consume models: SAP HANA, SAP Cloud Platform, SAP Analytics Cloud, SAP Intelligent Robotic Process Automation, and more. b. Technical Implementation Perform the technical setup in SAP S/4HANA. Learn how to implement key services, train machine learning models, and manage applications, from data integration to user interface design. c. Business Implementation See how machine learning improves your lines of business. Explore machine learning in SAP S/4HANA business processes for finance, procurement, sales, inventory, and more. Highlights Include: 1) Predictive analytics 2) Predictive intelligence 3) Tools and technologies 4) Architecture 5) Embedded services 6) Technical implementation 7) Business implementation 8) Extensibility 9) SAP HANA 10) SAP Cloud Platform 11) SAP Analytics Cloud

Learn how to run SAP BusinessObjects BI tools on top of SAP data Understand your data connectivity options for integration Get up to speed on SAP BusinessObjects Design Studio and SAP Lumira 3rd edition updated and expanded You know what SAP BusinessObjects BI can do for a business now make it happen. With this detailed, click-by-click guide, learn how to connect SAP to the SAP BusinessObjects BI 4.1 platform. From data connectivity to server-side and client-side configuration to creating reports, you ll find the

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information you need to get your systems talking. Installation and Configuration Begin at the beginning get SAP BusinessObjects BI set up quickly and in the right way. With detailed instructions and screenshots, you'll get started on the right foot. Data Connectivity Universes, BI Consumer Services, and more: Find out what you need to know about data connectivity for SAP BusinessObjects BI and SAP NetWeaver. Report Building Consider this your crash course in report development. From SAP Crystal Reports to SAP Lumira, get hands-on experience with every tool. Troubleshooting and Tips Learn from an expert who knows all the tricks of the trade. Find what you need to know to get everything working together. Updated and Expanded 3rd Edition Discover new features of SAP BusinessObjects BI 4.1, as well as new SAP business intelligence solutions like SAP BusinessObjects Design Studio and SAP Lumira.

Discover how to make your business data more interactive and engaging with SAP Lumira About This Book Create a powerful data discovery experience with the advanced capabilities of SAP Lumira Find business insights in your data through data blending, wrangling, transformation, and visualization A fast-paced guide packed with hands-on practical examples, real-world solutions, and best practices to get you started with SAP Lumira Who This Book Is For If you are a SAP user, business

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analyst, BI developer, or a junior data engineer who wants to use SAP Lumira to build creative visualizations, this book is for you. You should have a reasonable level of knowledge of SAP Business Objects and its components. What You Will Learn

- Deploy SAP Lumira on your computer and learn more about the SAP Lumira interface
- Extract data from different sources using SAP Lumira's data connectors
- Prepare, filter, clean, and format your data
- Discover visualization techniques and data discovery methods
- Administrate and customize SAP Lumira to get basic knowledge of its SDK
- Create various charts to deliver fantastic data visualizations
- Connect to SAP BusinessObjects BI Platform and SAP HANA to extract, prepare, and visualize data

In Detail SAP Lumira allows you to combine data from multiple sources into a single view and create engaging visualizations quickly and easily. It is a reporting platform that helps users access data and independently perform analysis. With the increasing interest in data discovery, self-service BI, and visualization around the world, tools like SAP Lumira help to eliminate the complexities of analyzing and discovering data. Learn data discovery techniques, build amazing visualizations, create fantastic stories, and share your visualizations through an electronic medium with one of the most powerful tools around—SAP Lumira. You will begin with an overview of the SAP Lumira family of products. You will then

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go through various data discovery techniques using real-world scenarios of an online e-commerce retailer through detailed recipes on the installation, administration, and customization of SAP Lumira. Next, you will work with data, starting from acquiring data from various data sources, then preparing and visualizing it using the rich functionality of SAP Lumira. Finally, you will present data via a data story or infographic and publish it across your organization or on the World Wide Web. Style and approach This is a step-by-step guide to learning SAP Lumira essentials packed with examples on real-world problems and solutions.

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.

What is SAP BW/4HANA? More importantly, what can it do for you? Between these pages, you'll explore the answers to these questions, from simplified data models and SAP BW/4HANA Analytics to automated data lifecycle management. You'll find step-by-step instructions for installation and setup, a guide to administrative tasks to keep your SAP BW/4HANA system in tip-top shape, and the low-down on security in your new system.

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Explore the data warehouse of the future! Highlights:
-SAP HANA -SAP BW/4HANA Analytics -Installation
and deployment -Data modeling -Reporting and
analytics -Data lifecycle management

-Administration -Security -Data warehousing solution

SAP Lumira DesignerThe Comprehensive

GuideSAP Lumira, Discovery EditionThe

Comprehensive GuideSAP PressSAP Lumira

EssentialsPackt Publishing Ltd

SAP Analytics Cloud ist das innovative Business

Intelligence(BI)-Werkzeug der SAP für umfassende

Analyse und Planungsaufgaben im Unternehmen.

Die Strategie hinter den Cloud-Lösungen ist einfach:

kostengünstige und intuitive Anwendungen mit
geringem Implementierungs- und Wartungsaufwand.

Lernen Sie in diesem anwendungsnahen Fachbuch
zunächst wichtige Aspekte der Datenbeschaffung

und Systemanbindung kennen. Anschließend

werden Sie bei Ihrem analytischen Szenario mit der

Erstellung eines Datenmodells unterstützt. Hierbei

gehen die Autoren auf die verschiedenen

Modelltypen ein und grenzen diese voneinander ab.

Mit diesem Fundament können Sie mühelos in die

Visualisierung von Daten und die Erstellung von

Storys einsteigen. Sukzessive und jederzeit an SAP-

Screenshots nachvollziehbar führt Sie das Autoren-

Duo durch das umfassende Funktionsset für

Administration, Business Intelligence, Planung sowie

Simulation und Prognosen. Das Praxisbuch richtet

sich an Fachabteilungen, BI-Berater und -Entwickler, die mit der Konzeptionierung und Realisierung von Geschäftsberichten sowie Planungsprozessen befasst sind. - Erstellung und Verwaltung von Analyse- und Planungsmodellen - Datenvisualisierung in einem Digital Boardroom - Live-Daten-Integration in Geschäftssysteme - Simulationen mithilfe von Werttreiberbäumen

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.

Big Data Analytics Methods unveils secrets to advanced analytics techniques ranging from machine learning, random forest classifiers, predictive modeling, cluster analysis, natural language processing (NLP), Kalman filtering and ensembles of models for optimal accuracy of analysis and prediction. More than 100 analytics techniques and methods provide big data professionals, business intelligence professionals and citizen data scientists insight on how to overcome challenges and avoid common pitfalls and traps in data analytics. The book offers solutions and tips on handling missing data, noisy and dirty data, error reduction and boosting signal to reduce noise.

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It discusses data visualization, prediction, optimization, artificial intelligence, regression analysis, the Cox hazard model and many analytics using case examples with applications in the healthcare, transportation, retail, telecommunication, consulting, manufacturing, energy and financial services industries. This book's state of the art treatment of advanced data analytics methods and important best practices will help readers succeed in data analytics.

Revised edition of: SAP HANA certification guide / Rudi de Louw. 2016.

"1st German edition published 2013 by Galileo Press, Bonn, Germany."

Summary Online recommender systems help users find movies, jobs, restaurants-even romance!

There's an art in combining statistics, demographics, and query terms to achieve results that will delight them. Learn to build a recommender system the right way: it can make or break your application! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Recommender systems are everywhere, helping you find everything from movies to jobs, restaurants to hospitals, even romance. Using behavioral and demographic data, these systems make predictions about what users will be most interested in at a particular time, resulting in high-quality, ordered, personalized

suggestions. Recommender systems are practically a necessity for keeping your site content current, useful, and interesting to your visitors. About the Book Practical Recommender Systems explains how recommender systems work and shows how to create and apply them for your site. After covering the basics, you'll see how to collect user data and produce personalized recommendations. You'll learn how to use the most popular recommendation algorithms and see examples of them in action on sites like Amazon and Netflix. Finally, the book covers scaling problems and other issues you'll encounter as your site grows. What's inside How to collect and understand user behavior Collaborative and content-based filtering Machine learning algorithms Real-world examples in Python About the Reader Readers need intermediate programming and database skills. About the Author Kim Falk is an experienced data scientist who works daily with machine learning and recommender systems. Table of Contents PART 1 - GETTING READY FOR RECOMMENDER SYSTEMS What is a recommender? User behavior and how to collect it Monitoring the system Ratings and how to calculate them Non-personalized recommendations The user (and content) who came in from the cold PART 2 - RECOMMENDER ALGORITHMS Finding similarities among users and among content Collaborative filtering in the neighborhood Evaluating and testing

your recommender Content-based filtering Finding hidden genres with matrix factorization Taking the best of all algorithms: implementing hybrid recommenders Ranking and learning to rank Future of recommender systems

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

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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

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