

sap predictive analysis

Unlock the Future: A Deep Dive into SAP Predictive Analysis

Introduction:

In today's rapidly evolving business landscape, data-driven decision-making is no longer a luxury; it's a necessity. Businesses that can effectively leverage their data to anticipate future trends and outcomes gain a significant competitive advantage. This is where SAP Predictive Analysis steps in, offering a powerful suite of tools and technologies to transform raw data into actionable insights. This comprehensive guide will explore the world of SAP Predictive Analysis, demystifying its capabilities, exploring its applications across various industries, and providing practical advice for successful implementation. We'll cover everything from the basics to advanced techniques, equipping you with the knowledge to harness the predictive power of your SAP data.

What is SAP Predictive Analysis?

SAP Predictive Analysis (now largely integrated into the broader SAP Analytics Cloud and SAP HANA platform) provides a range of tools and functionalities for building and deploying predictive models. It empowers businesses to analyze historical data, identify patterns, and forecast future events with a high degree of accuracy. This goes beyond simple reporting; it allows for proactive decision-making based on probabilities and anticipated outcomes. Unlike traditional business intelligence (BI) which focuses on historical analysis, SAP Predictive Analysis leverages advanced algorithms like machine learning and statistical modeling to predict future trends. This can encompass everything from sales forecasting and customer churn prediction to optimizing supply chains and detecting potential fraud.

Key Features and Capabilities of SAP Predictive Analysis:

Data Integration: Seamlessly integrates with various SAP and non-SAP data sources, ensuring a holistic view of your business data.

Pre-built Models and Algorithms: Offers a range of pre-built models and algorithms, simplifying the model building process, even for users without extensive data science expertise.

Customizable Modeling: Allows users to build custom predictive models using advanced statistical techniques and machine learning algorithms. This provides flexibility to tailor solutions to specific business needs.

Visual Data Exploration: Provides intuitive tools for exploring and visualizing data, allowing users to identify patterns and relationships

before building models.

Deployment and Integration: Enables easy deployment and integration of predictive models into existing business processes and applications, ensuring seamless workflow.

Automated Insights: Delivers automated insights and alerts, keeping users informed of critical events and potential risks.

Scalability and Performance: Designed to handle large volumes of data and complex analytical tasks with high performance and scalability.

Applications Across Industries:

The versatility of SAP Predictive Analysis makes it applicable across a wide range of industries:

Retail: Predicting customer demand, optimizing inventory levels, personalizing marketing campaigns, and identifying potential fraud.

Manufacturing: Optimizing production schedules, predicting equipment failures, improving supply chain efficiency, and managing risk.

Finance: Assessing credit risk, detecting fraudulent transactions, optimizing investment strategies, and managing portfolio risk.

Healthcare: Predicting patient readmissions, optimizing resource allocation, improving patient outcomes, and personalizing treatment plans.

Telecommunications: Predicting customer churn, optimizing network performance, and improving customer service.

Implementing SAP Predictive Analysis: A Step-by-Step Guide:

Successfully implementing SAP Predictive Analysis requires a structured approach:

1. **Define Business Objectives:** Clearly define the specific business problems you aim to solve using predictive analytics.
2. **Data Acquisition and Preparation:** Gather and prepare the necessary data, ensuring its accuracy and completeness. This often involves data cleaning, transformation, and feature engineering.
3. **Model Selection and Development:** Choose appropriate predictive models and algorithms based on the nature of your data and business objectives.
4. **Model Training and Validation:** Train and validate your models using historical data, ensuring their accuracy and reliability.
5. **Deployment and Integration:** Deploy your models into your existing business processes and applications.
6. **Monitoring and Evaluation:** Continuously monitor and evaluate the performance of your models, making adjustments as needed.

Case Study: Predictive Maintenance in Manufacturing

A manufacturing company using SAP Predictive Analysis can analyze sensor data from their machines to predict potential equipment failures. By identifying patterns and anomalies in the data, the company can schedule preventative maintenance proactively, minimizing downtime and reducing maintenance costs. This translates to increased productivity and improved operational efficiency.

Article Outline:

Title: Mastering SAP Predictive Analysis: A Comprehensive Guide

Introduction: Overview of SAP Predictive Analysis and its importance.

Chapter 1: Understanding the Fundamentals: Definition, key features, and capabilities.

Chapter 2: Real-World Applications: Case studies across various industries.

Chapter 3: Implementation Strategies: A step-by-step guide to successful implementation.

Chapter 4: Advanced Techniques: Exploring advanced modeling techniques and best practices.

Conclusion: Summary and future trends in SAP Predictive Analysis.

(Each chapter would then be expanded upon with detailed explanations and examples, mirroring the content already provided in this blog post.)

FAQs:

1. What is the difference between SAP Predictive Analysis and traditional BI? Traditional BI focuses on historical data analysis, while SAP Predictive Analysis leverages advanced algorithms to predict future outcomes.
1. What types of data can be used with SAP Predictive Analysis? SAP Predictive Analysis can handle various data types, including structured, semi-structured, and unstructured data.
1. What skills are needed to use SAP Predictive Analysis effectively? While technical expertise is beneficial, SAP Predictive Analysis offers user-friendly tools accessible to users with varying levels of technical

skills.

1. How secure is SAP Predictive Analysis? SAP Predictive Analysis incorporates robust security measures to protect sensitive data.
1. What is the cost of implementing SAP Predictive Analysis? The cost varies depending on factors such as the size of your organization, data volume, and required functionalities.
1. What are the potential challenges in implementing SAP Predictive Analysis? Challenges include data quality issues, lack of skilled personnel, and integration complexities.
1. How can I get started with SAP Predictive Analysis? Start by defining clear business objectives and identifying relevant data sources.
1. What are some best practices for building accurate predictive models? Best practices include thorough data preparation, careful model selection, and rigorous validation.
1. How does SAP Predictive Analysis compare to other predictive analytics platforms? SAP Predictive Analysis stands out with its seamless integration with the broader SAP ecosystem and its user-friendly interface.

Related Articles:

1. SAP Analytics Cloud: A Comprehensive Guide: Explores the broader SAP Analytics Cloud platform and its integration with Predictive Analysis.
2. SAP HANA for Predictive Analytics: Details the role of SAP HANA in powering predictive analytics solutions.

3. Machine Learning in SAP: Discusses the application of machine learning algorithms within the SAP environment.
4. Data Preparation for Predictive Analytics: Focuses on the crucial steps of data cleaning and transformation.
5. Model Validation Techniques for Predictive Analytics: Explains methods for ensuring the accuracy and reliability of predictive models.
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7. Customer Churn Prediction with SAP: Shows how to use SAP Predictive Analysis to predict and reduce customer churn.
8. Fraud Detection with SAP Predictive Analysis: Explores the use of SAP Predictive Analysis in detecting fraudulent activities.
9. The Future of Predictive Analytics in Business: Discusses emerging trends and future possibilities in the field of predictive analytics.

sap predictive analysis: SAP Predictive Analytics Antoine Chabert, Andreas Forster, Laurent Tessier, Pierpaolo Vezzosi, 2017-12-30 Leave your crystal ball behind and peer into the future with SAP Predictive Analytics! Master predictive models--regression, time series forecasting, clustering, and more--and learn how to get SAP Predictive Analytics up and running. Discover the essential tools, from Predictive Factory and the Automated Modeler to the Data Manager and Social Network Analysis. Get predictive analysis working for you! Highlights include: Predictive models Classification models Regression models Time-series forecasting models Predictive Factory Automated Analytics Expert Analytics Social Network Analysis (SNA) Data Manager Installation Integration

sap predictive analysis: SAP Analytics Cloud: Predictive Analytics Antoine Chabert, David Serre, 2024 Today's organizations must be prepared for tomorrow's events. Forecast future behavior in SAP Analytics Cloud with this comprehensive guide to predictive analytics! Start by learning about the data types, scenarios, and methods used in predictive analytics projects. Then follow step-by-step instructions to build, analyze, and apply predictive models to your business data using classification, time series forecasting, and regression analysis. Automate your models and dive into the data science with this all-in-one guide! In this book, you'll learn about: a. Predictive Scenarios and Projects Understand the basics of predictive analytics in SAP Analytics Cloud: scenarios, data types, and actions. Then plan your predictive project, including identifying the key stakeholders and reviewing the methodology. b. Build, Train, Analyze, and Apply Master predictive models from end to end. Create classification, time series, and regression models; then train them to identify business patterns. Analyze and apply the results of your models to data in SAP Analytics Cloud. c. Practical Demonstrations See predictive analytics in action! Identify use cases for predictive modeling. For each data model, understand practical applications through curated examples with sample business data. Highlights include: 1) Predictive scenarios 2) Predictive forecasts 3) Data modeling 4) Planning 5) Time series model 6) Classification model 7) Regression model 8) Multi-actions 9) Data science 10) Stories and dashboards

sap predictive analysis: Predictive Analysis with SAP John MacGregor (Product manager), John MacGregor, (Pr, 2014

sap predictive analysis: Predictive Analysis with SAP John MacGregor, 2013-11-28 From your customers purchasing habits to your employees key performance indicators, data can provide business insight and predict future market trends. With this comprehensive guide to SAPs Predictive Analysis toolset, anticipate market changes, drive decision making and unlock the potential of your data sources. Filled with practical examples, case studies, and business explanations, this book will simplify the complex predictive analysis process and teach you how to use SAPs Predictive Analysis toolset to understand what your data has been trying to tell you. Extensive coverage of the Predictive Analysis module, the PAL Library, R-Integration, and HANA will enable you to choose the best algorithm for your needs. Learn how to organize large amounts of data into comprehensive data models, visualizations, and reports with ease!

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sap predictive analysis: Implementing Machine Learning with SAP S/4HANA Siar Sarferaz, Raghu Banda, 2020 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

sap predictive analysis: SAP Analytics Cloud Abassin Sidiq, 2020-05-26 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

sap predictive analysis: First Steps in SAP Predictive Analytics Anurag Barua, 2019-02-18 Curious about how to leverage SAP Predictive Analytics (SAP PA) to effectively mine data and unearth trends, patterns, and relationships? In this book written for users and analysts, readers will explore the foundations of SAP Predictive Analytics. Review the architectural underpinnings and technical components that make up SAP PA. Explore how SAP PA works with SAP HANA. Walk through the installation steps and learn the differences between the desktop and enterprise versions. Explore SAP PA modules and components, including the predictive analytical library (PAL), the application function library (AFL), and the SAP HANA automated predictive library (APL). Leverage the data manager and learn how to create an event log aggregation. Get tips for performing text analysis and take an in depth look at automated analytics, including Expert Analytics. Dive into a sales and pipeline forecasting example using specific SAP PA functions and algorithms. By using practical examples, tips, and screenshots, this book explores: - SAP PA architecture and technical components - How SAP PA works with SAP HANA - Core SAP PA modules

and components - Detailed sales/pipeline forecasting example

sap predictive analysis: SAP HANA 2.0 Denys Van Kempen, 2019 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: a. 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. b. 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. c. 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

sap predictive analysis: Practical Guide to SAP HANA and Big Data Analytics Dominique Alfermann, Stefan Hartmann, 2018-12-20 In this book written for SAP BI, big data, and IT architects, the authors expertly provide clear recommendations for building modern analytics architectures running on SAP HANA technologies. Explore integration with big data frameworks and predictive analytics components. Obtain the tools you need to assess possible architecture scenarios and get guidelines for choosing the best option for your organization. Know your options for on-premise, in the cloud, and hybrid solutions. Readers will be guided through SAP BW/4HANA and SAP HANA native data warehouse scenarios, as well as field-tested integration options with big data platforms. Explore migration options and architecture best practices. Consider organizational and procedural changes resulting from the move to a new, up-to-date analytics architecture that supports your data-driven or data-informed organization. By using practical examples, tips, and screenshots, this book explores: - SAP HANA and SAP BW/4HANA architecture concepts - Predictive Analytics and Big Data component integration - Recommendations for a sustainable, future-proof analytics solutions - Organizational impact and change management

sap predictive analysis: SAP Analytics Cloud: Predictive Analytics Sandeep Trivedi,
sap predictive analysis: Learning SAP Analytics Cloud Riaz Ahmed, 2017-07-10 Start making better business decisions backed by data About This Book Predict new opportunities and risks in a few mouse clicks Eliminate complexity with tools that let you plan, analyze, and collaborate in context—in real time Discover, visualize, plan, and predict in a single product with agile BI tools Who This Book Is For This book targets IT professionals, business analysts, BI developers, managers, newcomers to SAP Analytics Cloud, and ultimately anyone who wants to learn from self-paced, professional guidance and needs a solid foundation in SAP Analytics Cloud. What You Will Learn A clear understanding of SAP Analytics Cloud platform Create data models using different data sources, including Excel and text files . Present professional analyses using different types of charts, tables, geo maps, and more Using stories, drill up and down instantly to analyze data from various angles Share completed stories with other team members or compile them in SAP Digital Boardroom agendas for presentation to major stakeholders Export the results of a story to a PDF file Save time by planning, analyzing, predicting, and collaborating in context Discover, visualize, plan, and predict in one product as opposed to separate solutions In Detail The book starts with the basics of SAP Analytics Cloud (formerly known as SAP BusinessObjects Cloud) and exposes almost every significant feature a beginner needs to master. Packed with illustrations and short, essential, to-the-point descriptions, the book provides a unique learning experience. Your journey of exploration starts with a basic introduction to the SAP Analytics Cloud platform. You will then learn about different segments of the product, such as Models, Stories, Digital Boardroom, and so on. Then, you are introduced to the product's interface: the Home screen, the main menu, and more.

Then comes the hands-on aspect of the book, which starts with model creation. Next, you learn how to utilize a model to prepare different types of stories(reports) with the help of charts, tables, Geo Maps, and more. In the final chapters of this book, you will learn about Digital Boardroom, Collaboration, and Administration. Style and approach The easy-to-follow visual instructions provided in this book help business users and report developers create simple and complex stories (reports) quickly

sap predictive analysis: Practical Data Science with SAP Greg Foss, Paul Modderman, 2019-09-18 Learn how to fuse today's data science tools and techniques with your SAP enterprise resource planning (ERP) system. With this practical guide, SAP veterans Greg Foss and Paul Modderman demonstrate how to use several data analysis tools to solve interesting problems with your SAP data. Data engineers and scientists will explore ways to add SAP data to their analysis processes, while SAP business analysts will learn practical methods for answering questions about the business. By focusing on grounded explanations of both SAP processes and data science tools, this book gives data scientists and business analysts powerful methods for discovering deep data truths. You'll explore: Examples of how data analysis can help you solve several SAP challenges Natural language processing for unlocking the secrets in text Data science techniques for data clustering and segmentation Methods for detecting anomalies in your SAP data Data visualization techniques for making your data come to life

sap predictive analysis: Machine Learning with SAP Laboni Bhowmik, Avijit Dhar, Ranajay Mukherjee, 2020 Work smarter with machine learning! Begin with core machine learning concepts--types of learning, algorithms, data preparation, and more. Then use SAP Data Intelligence, SAP HANA, and other technologies to create your own machine learning applications. Master the SAP HANA Predictive Analysis Library (PAL) and machine learning functional and business services to train and deploy models. Finally, see machine learning in action in industries from manufacturing to banking. a. Foundation Build your understanding of probability concepts and algorithms that drive machine learning. See how linear regression, classification, and cluster analysis algorithms work, before plugging them into your very own machine learning app! b. Development Follow step-by-step instructions to gather and prepare data, create machine learning models, train and fine-tune models, and deploy your final app, all using SAP HANA and SAP Data Intelligence. c. Platforms Use built-in SAP HANA libraries to create applications that consume machine learning algorithms or integrate with the R language for additional statistical capabilities. Work with the SAP Leonardo functional services to customize and embed pre-trained models into applications or bring your own model with the help of Google TensorFlow. 1) Development 2) Retraining 3) Implementation 4) SAP Data Intelligence 5) SAP HANA predictive analysis library 6) SAP HANA extended machine learning library 7) SAP HANA automated predictive library 8) Google TensorFlow 9) Embedded machine learning 10) SAP Conversational AI 11) SAP Analytics Cloud Smart Predict

sap predictive analysis: Real Time Analytics with SAP HANA Vinay Singh, 2015-10-30 Enhance your SAP HANA skills using this step-by-step guide to creating and reporting data models for real-time analytics About This Book This book will help you to process analytical and transactional data in real time with the help of SAP HANA. Walk through the steps of the data modeling process and build various data models and artifacts in SAP HANA Studio. Packed with rich examples and use cases that are closely focused on developing real-time applications. Who This Book Is For If you are a SAP HANA data modeler, developer, implementation/migration consultant, project manager, or architect who is responsible for implementing/migrating to SAP HANA, then this book is for you. What You Will Learn Get to grips with the basic building blocks of Analytics/Data models in the SAP HANA environment. Discover various schemas, modeling principles, Joins, and the architecture of the SAP HANA engine. Build data models and artifacts in Sap HANA Studio. Design decision tables and understand the concept of transport management in the SAP HANA landscape. Work with the different views in SAP HANA Studio. Explore full-text search and fuzzy search in SAP HANA. Create your own scenarios and use cases using sample data and code. In Detail SAP HANA is an in-memory database created by SAP. SAP HANA breaks traditional database barriers to simplify IT landscapes,

eliminating data preparation, pre-aggregation, and tuning. SAP HANA and in-memory computing allow you to instantly access huge volumes of structured and unstructured data, including text data, from different sources. Starting with data modeling, this fast-paced guide shows you how to add a system to SAP HANA Studio, create a schema, packages, and delivery unit. Moving on, you'll get an understanding of real-time replication via SLT and learn how to use SAP HANA Studio to perform this. We'll also have a quick look at SAP Business Object DATA service and SAP Direct Extractor for Data Load. After that, you will learn to create HANA artifacts—Analytical Privileges and Calculation View. At the end of the book, we will explore the SMART DATA access option and AFL library, and finally deliver pre-packaged functionality that can be used to build information models faster and easier. Style and approach This is an easy-to-follow, step-by-step, rapid guide to help you learn analytics in SAP HANA through ample hands-on exercises and use case scenarios.

sap predictive analysis: SAP Lumira, Discovery Edition Xavier Hacking, Martijn Van Foeken, 2018

sap predictive analysis: Predictive Accounting with SAP S/4HANA Uwe Mayer, 2020 Get one step ahead with this guide to predictive accounting! See how predictive accounting is embedded in SAP S/4HANA with the Universal Journal, and learn how to configure it in your system. --

sap predictive analysis: Designing Dashboards with SAP Analytics Cloud Erik Bertram, James Charlton, Nina Hollender, Melanie Holzapfel, Nico Licht, Carmen Paduraru, 2021-07-28 SAP Analytics Cloud is overflowing with visualization options. Charts, tables, drilldowns, geomaps—if you can dream it, you can design and build it. Learn how to create a dashboard for any use case, from acquired data dashboards and responsive mobile dashboards to HR dashboards using SAP SuccessFactors data. Follow step-by-step instructions to structure your data, choose the relevant features, and then implement them. Contains custom-designed dashboards for each chapter! Highlights include: 1) Dashboard design 2) Live data connections 3) Acquired data dashboards 4) Planning dashboards 5) Responsive mobile dashboards 6) SAP SuccessFactors dashboards 7) Qualtrics dashboards 8) R visualizations 9) Analytics designer 10) SAP Digital Boardroom

sap predictive analysis: Implementing SAP HANA Jonathan Haun, Don Loden, Chris Hickman, Roy Wells, 2013 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

sap predictive analysis: SAP Data Intelligence Dharma Teja Atluri, Devraj Bardhan, Santanu Ghosh, Snehasish Ghosh, Arindom Saha, 2021 Manage your data landscape with SAP Data Intelligence! Begin by understanding its architecture and capabilities and then see how to set up and

install SAP Data Intelligence with step-by-step instructions. Walk through SAP Data Intelligence applications and learn how to use them for data governance, orchestration, and machine learning. Integrate with ABAP-based systems, SAP Vora, SAP Analytics Cloud, and more. Manage, secure, and operate SAP Data Intelligence with this all-in-one guide! In this book, you'll learn about:

a. Configuration Build your SAP Data Intelligence landscape! Use SAP Cloud Appliance Library for cloud deployment, including provisioning, sizing, and accessing the launchpad. Perform on-premise installations using tools like the maintenance planner.

b. Capabilities Put the core capabilities of SAP Data Intelligence to work! Manage and govern your data with the metadata explorer, use the modeler application to create data processing pipelines, create apps with the Jupyter Notebook, and more.

c. Integration and Administration Integrate, manage, and operate SAP Data Intelligence! Get step-by-step instructions for integration with SAP and non-SAP systems. Learn about key administration tasks and make sure your landscape is secure and running smoothly.

Highlights include:

- 1) Configuration and installation
- 2) Data governance
- 3) Data processing pipelines
- 4) Docker images
- 5) ML Scenario Manager
- 6) Jupyter Notebook
- 7) Python SDK
- 8) Integration
- 9) Administration
- 10) Security
- 11) Application lifecycle management
- 12) Use cases

sap predictive analysis: SAP S/4HANA Embedded Analytics Jürgen Butsmann, Thomas Fleckenstein, Anirban Kundu, 2021 Meet your BI needs with SAP S/4HANA embedded analytics! Explore the system architecture and data model and learn how to perform analytics on live transactional data. Business user? Walk step-by-step through SAP Smart Business KPIs, dashboards, and multidimensional reporting. Analytics specialist? Master the virtual data model and report creation. Jack of all trades? Create CDS views, apply custom fields and logic, and learn to integrate SAP S/4HANA with SAP Analytics Cloud. This is your complete guide to SAP S/4HANA embedded analytics! Highlights include:

- 1) Architecture
- 2) Virtual data model (VDM)
- 3) CDS views
- 4) SAP Fiori apps
- 5) SAP Smart Business
- 6) Key performance indicators (KPIs)
- 7) Dashboards
- 8) Reporting
- 9) Data warehousing
- 10) SAP Analytics Cloud
- 11) Machine learning

sap predictive analysis: Applied Predictive Modeling Max Kuhn, Kjell Johnson, 2013-05-17 Applied Predictive Modeling covers the overall predictive modeling process, beginning with the crucial steps of data preprocessing, data splitting and foundations of model tuning. The text then provides intuitive explanations of numerous common and modern regression and classification techniques, always with an emphasis on illustrating and solving real data problems. The text illustrates all parts of the modeling process through many hands-on, real-life examples, and every chapter contains extensive R code for each step of the process. This multi-purpose text can be used as an introduction to predictive models and the overall modeling process, a practitioner's reference handbook, or as a text for advanced undergraduate or graduate level predictive modeling courses. To that end, each chapter contains problem sets to help solidify the covered concepts and uses data available in the book's R package. This text is intended for a broad audience as both an introduction to predictive models as well as a guide to applying them. Non-mathematical readers will appreciate the intuitive explanations of the techniques while an emphasis on problem-solving with real data across a wide variety of applications will aid practitioners who wish to extend their expertise. Readers should have knowledge of basic statistical ideas, such as correlation and linear regression analysis. While the text is biased against complex equations, a mathematical background is needed for advanced topics.

sap predictive analysis: Data Modeling for SAP HANA 2.0 Anil Bavaraju, 2019 Find meaning in your business data. Build, manage, and secure calculation views and table functions with the SAP Web IDE for SAP HANA. See how SAP Web IDE, SAP HANA Live, and SAP S/4HANA embedded analytics all interact to create effective data models. Explore advanced modeling concepts compatible with SAP HANA 2.0, like predictive modeling and geospatial analysis. Begin designing the perfect model today

- a. Getting Started Understand the general modeling concepts you need to build effective data models. Get comfortable with the SAP Web IDE, model components, and dimensional schemas.
- b. Build, Manage, Secure Get step-by-step instructions to create table functions and calculation views, and learn how to manage models in the SAP Web IDE.. Then, tackle

the SAP HANA security concepts you need to lock down your data models. c. Advanced Topics See how SAP HANA Live and SAP S/4HANA embedded analytics factor in to your models, through virtual data models and core data service views. Then explore advanced features, including predictive models, spatial analysis, and more. 1) SAP HANA 2.0 2) Data Modeling 3) SAP Web IDE 4) Information views 5) Calculation views 6) Table functions 7) Model management 8) Model migration 9) SAP HANA Live 10) SAP S/4HANA embedded analytics 11) Security and authorizations

sap predictive analysis: 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 Grip 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

sap predictive analysis: Profitability Analysis with SAP S/4hana Kathrin Schmalzing, 2020-11-25 Whether you're running account-based or costing-based CO-PA, this is your one-stop shop for profitability analysis with SAP S/4HANA! Get the step-by-step instructions you need for configuring master data, operating concerns, value flows + and setting up your system. Then run your profitability operations and master both planning and reporting. + sentence about running profitability operations, from this to that. With this guide to CO-PA, you're ready for SAP S/4HANA!--

sap predictive analysis: Introducing Financial Planning and Analysis with SAP Analytics Cloud Js Irick, Scott Cairncross, Kermit Bravo, Parminder Ghatahora, 2019 Where do financial planning and cloud analytics intersect? Dig in and find out with this introduction. --

sap predictive analysis: SAP Business Intelligence Quick Start Guide Vinay Singh, 2019-02-27 Designing and deploying solutions using the SAP BusinessObjects Business Intelligence platform 4.2. Key FeaturesGet up and running with the SAP BusinessObjects Business Intelligence platformPerform effective data analysis and visualization for actionable insightsEnhance your BI strategy by creating different types of reports and dashboards using SAP BusinessObjectsBook Description 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. The book starts with an overview of the BI platform and various data sources for reporting. Then, we move on to looking at data visualization, analysis, reporting, and analytics using BusinessObjects Business Intelligence tools. You will learn about the features associated with

reporting, scheduling, and distribution and learn how to deploy the platform. Toward the end, you will learn about the strategies and factors that should be considered during deployment. By the end, you will be confident working with the SAP BusinessObjects Business Intelligence platform to deliver better insights for more effective decision making. What you will learn

Work with various tools to create interactive data visualization and analysis Query, report, and analyze with SAP Business Objects Web Intelligence Create a report in SAP Crystal Reports for Enterprise Visualize and manipulate data using an SAP Lumira Storyboard

Deep dive into the workings of the SAP predictive analytics tool Deploy and configure SAP BO Intelligence platform 4.2

Who this book is for This book is for Business Intelligence professionals and existing SAP ecosystem users who want to perform effective Business Intelligence using SAP BusinessObjects.

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