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KEY=BUSINESS - JORDAN MICAH

Building Business Solutions

Business Analysis with Business Rules

Knowledge Automation

How to Implement Decision Management in Business Processes

John Wiley & Sons *A proven decision management methodology for increased profits and lowered risks Knowledge Automation: How to Implement Decision Management in Business Processes describes a simple but comprehensive methodology for decision management projects, which use business rules and predictive analytics to optimize and automate small, high-volume business decisions. It includes Decision Requirements Analysis (DRA), a new method for taking the crucial first step in any IT project to implement decision management: defining a set of business decisions and identifying all the information—business knowledge and data—required to make those decisions. Describes all the stages in automating business processes, from business process modeling down to the implementation of decision services Addresses how to use business rules and predictive analytics to optimize and automate small, high-volume business decisions Proposes a simple "top-down" method for defining decision requirements and representing them in a single diagram Shows how clear requirements can allow decision management projects to be run with reduced risk and increased profit Nontechnical and accessible, Knowledge Automation reveals how DRA is destined to become a standard technique in the business analysis and project management toolbox.*

Principles of the Business Rule Approach

Addison-Wesley Professional *The idea of Business Rules has been around for a while. Simply put, a Business Rule is a statement that defines or constrains some aspect of the business. In practice they are meant to reduce or eliminate the delays, waste, and frustration associated with the IT department having to be involved with almost every action affecting an organization's information systems. The advent of Web services has created renewed interest in them. There are now several well established rules-based products that have demonstrated the effectiveness of their use. But until now there has not been a definitive guide to Business Rules. Ron Ross, considered to be the father of Business Rules, will help organizations apply this powerful solution to their own computer system problems. This book is intended to be the first book that anyone from an IT manager to a business manager will read to understand what Business Rules are, and what how they can be applied to their own situation.*

BUILDING BUSINESS SOLUTIONS

Buisiness Analysis and Business Rules

Systems of Insight for Digital Transformation: Using IBM Operational Decision Manager Advanced and Predictive Analytics

IBM Redbooks *Systems of record (SORs) are engines that generates value for your business. Systems of engagement (SOE) are always evolving and generating new customer-centric experiences and new opportunities to capitalize on the value in the systems of record. The highest value is gained when systems of record and systems of engagement are brought together to deliver insight. Systems of insight (SOI) monitor and analyze what is going on with various behaviors in the systems of engagement and information being stored or transacted in the systems of record. SOIs seek new opportunities, risks, and operational behavior that needs to be reported or have action taken to optimize business outcomes. Systems of insight are at the core of the Digital Experience, which tries to derive insights from the enormous amount of data generated by automated processes and customer interactions. Systems of Insight can also provide the ability to apply analytics and rules to real-time data as it flows within, throughout, and beyond the enterprise (applications, databases, mobile, social, Internet of Things) to gain the wanted insight. Deriving this insight is a key step toward being able to make the best decisions and take the most appropriate actions. Examples of such actions are to improve the number of satisfied clients, identify clients at risk of leaving and incentivize them to stay loyal, identify patterns of risk or fraudulent behavior and take action to minimize it as early as possible, and detect patterns of behavior in operational systems and transportation that lead to failures, delays, and maintenance and take early action to minimize risks and costs. IBM® Operational Decision Manager is a decision management platform that provides capabilities that support both event-driven insight patterns, and business-rule-driven scenarios. It also can easily be used in combination with other IBM Analytics solutions, as the detailed examples will show. IBM Operational Decision Manager Advanced, along with complementary IBM software offerings that also provide capability for systems of insight, provides a way to deliver the greatest value to your customers and your business. IBM Operational Decision Manager Advanced brings together data from different sources to recognize meaningful trends and patterns. It empowers business users to define, manage, and automate repeatable operational decisions. As a result, organizations can create and shape customer-centric business moments. This IBM Redbooks® publication explains the key concepts of systems of insight and how to implement a system of insight solution with examples. It is intended for IT architects and professionals who are responsible for implementing a systems of insights solution requiring event-based context pattern detection and deterministic decision services to enhance other analytics solution components with IBM Operational Decision Manager Advanced.*

Business Rules Applied

Building Better Systems Using the Business Rules Approach

Wiley *From a bestselling author and expert--a soon-to-be classic on application development Representing a significant change of focus in software engineering, the business rule approach to application development benefits all decision makers. Managers looking to take advantage of new opportunities will turn to business rules to implement change. IT has already learned the benefits of separating data by processing and managing data as an independent component of systems. A rules-extended development approach does exactly the same thing for business rules: by reducing the*

amount of code that needs to be written, it shortens the time necessary to implement change. Bestselling author Barbara von Halle (The Handbook of Relational Database Design from Addison Wesley) presents the first book to show in practical, real-world terms how to build applications using business rule concepts and techniques. This authoritative guide will give readers: o Complete guidance for system designers and database managers o The motivation for using the business rule approach o Techniques for discovering and managing rules o Guidance on how to conduct rule analysis o Steps for designing the implementation options of the rules, as well as designing workflow and database components

Practical Salesforce Development Without Code

Building Declarative Solutions on the Salesforce Platform

Apress *Use this hands-on guide to build powerful solutions on the Salesforce platform without using a single line of code. This revised and expanded second edition includes Process Builder, Flow Builder, Lightning App Builder, Lightning Bolt Solutions, and more. Practical Salesforce Development Without Code shows you how to unlock the power of the Salesforce platform to solve real business problems. Adhering to Salesforce's "clicks, not code" mantra, Salesforce expert Phil Weinmeister walks Salesforce newcomers and veterans through different business problems and identifies effective—and proven—approaches to solutions using the platform's declarative framework. By adopting this book as your guide, you will learn how to deliver business solutions within Salesforce by combining analysis, creativity, and logic with core elements such as validation rules, workflow rules, processes, flows, formula fields, and Lightning apps. In addition, Weinmeister dissects and explains the most useful functions and features for declarative developers and shows you how to use them. Best of all, Weinmeister uses real-life business scenarios and visuals. Applying the lessons learned from this how-to guide will ultimately save you time and ensure that your clients or internal customers are enabled, equipped, and empowered. What You'll Learn Build objects, fields, and relationships to establish a sensible data model Automate business processes by using Workflow, Process Builder, and Flow Utilize functions and develop formulas effectively for a variety of business needs Develop approval processes to handle exception scenarios Employ actions to easily create efficient and relevant user experiences Manage your environments and deploy your solutions Who This Book Is for Business analysts, Salesforce administrators, and Salesforce developers*

Business Analysis Agility

Solve the Real Problem, Deliver Real Value

Addison-Wesley Professional *Understand and Solve Your Customers' Real Problems with Agile Business Analysis To deliver real value, you must understand what your customers truly value, and solve the problems they really need solved. Business analysis can help you do this—and it's as crucial in agile environments now as it always has been. In Business Analysis Agility, leading experts James Robertson and Suzanne Robertson show how to perform business analysis in an agile way: trying new things, adapting to changes and discoveries, staying flexible, and being quick. Drawing on their unsurpassed experience of hundreds of projects and organizations, the Robertsons help you prioritize relentlessly, focus investments on delivering value, and learn in ways that improve your results. Uncover the real customer problems hidden behind assumptions and conventional solutions Hypothesize potential solutions and quickly test them with safe-to-fail probes Understand how people, hardware, software, organizations, and other components come together in an optimal customer experience Write stories that help you find solutions that deliver more value to customers and the business Think about problems and projects in more agile, nimble, and open-minded ways The Robertsons' approach to analytical thinking will be valuable to anyone who wants to build better software in agile environments: analysts, developers, team leads, project managers, software architects, and other team members and stakeholders at all levels of experience.*

Commerce Business Daily

A Practitioner's Guide to Data Governance

A Case-Based Approach

Emerald Group Publishing *Data governance looks simple on paper, but in reality it is a complex issue facing organizations. In this practical guide, data experts Uma Gupta and San Cannon look to demystify data governance through pragmatic advice based on real-world experience and cutting-edge academic research.*

Building Intelligent Solutions Standard Requirements

5starcooks *What is the kind of project structure that would be appropriate for your Building Intelligent Solutions project, should it be formal and complex, or can it be less formal and relatively simple? How do you know that any Building Intelligent Solutions analysis is complete and comprehensive? What are the revised rough estimates of the financial savings/opportunity for Building Intelligent Solutions improvements? Is the Building Intelligent Solutions organization completing tasks effectively and efficiently? Do you combine technical expertise with business knowledge and Building Intelligent Solutions Key topics include lifecycles, development approaches, requirements and how to make a business case? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who asks the right questions to make Building Intelligent Solutions investments work better. This Building Intelligent Solutions All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth Building Intelligent Solutions Self-Assessment. Featuring 668 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Building Intelligent Solutions improvements can be made. In using the questions you will be better able to: - diagnose Building Intelligent Solutions projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Building Intelligent Solutions and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Building Intelligent Solutions Scorecard, you will develop a clear picture of which Building Intelligent Solutions areas need attention. Your purchase includes access details to the Building Intelligent Solutions self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard, and... - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation ...plus an extra, special, resource that helps you with project managing. INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.*

Code of Federal Regulations

1985-1999

Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

The Practice of Enterprise Modeling

First IFIP WG 8.1 Working Conference, PoEM 2008, Stockholm, Sweden, November 12-13, 2008, Proceedings

Springer Science & Business Media *Enterprise modeling (EM) has gained substantial popularity both in the academic community and among practitioners. A variety of EM methods, approaches, and tools are developed and offered on the market. In practice they are used for various p- poses such as business strategy development, process restructuring, as well as business and IT architecture alignment and governance. PoEM 2008, the First IFIP WG 8. 1 Working Conference on The Practice of Ent- prise Modeling, took place in Stockholm, Sweden. It is the first conference aiming to establish a dedicated forum where the use of EM in practice is addressed by bringing together researchers, users, and practitioners. The goals of PoEM 2008 were to - velop a better understanding of the practice of EM, to contribute to improved EM practice, as well as to share knowledge and experiences. The theme of PoEM 2008 was EM in different application contexts, e. g. , software development, including agile development, as well as business development, gove- ance, and change.*

Oracle Data Warehousing and Business Intelligence Solutions

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

American Druggist and Pharmaceutical Record

Design Solutions for nZEB Retrofit Buildings

IGI Global *Construction projects, once they are completed, are intended to exist in the skylines of cities and towns for decades. Sustainable technologies seek to take these existing structures and make them environmentally friendly and energy efficient. Design Solutions for nZEB Retrofit Buildings is a critical scholarly resource that examines the importance of creating architecture that not only promotes the daily function of these buildings but is also environmentally sustainable. Featuring a broad range of topics including renewable energy sources, solar energy, and energy performance, this book is geared toward professionals, students, and researchers seeking current research on sustainable options for upgrading existing edifices to become more environmentally friendly.*

Texas Instruments Technical Journal

Business Rule Concepts

Getting to the Point of Knowledge

Is your current approach really working?. Are you sure you are addressing the right problems in the right ways?. Take a few hours to read about the most fundamental innovation in business operations and business computing in decades. It is not just about IT any more!. Decisioning, Requirements, Governance, Knowledge. Radical in its simplicity, this concise, easy-to-read handbook presents a groundbreaking, common-sense approach to solving today's operational business problems. Find out why current IT methods have broken down and no longer scale. Written by the father of business rules, here are proven answers. Get your company on the road to true agility!. New this Edition : Decisioning, Capturing best practices, Enterprise design, Really smart systems, Building business vocabularies, Structured verbalization for business communication, Applied semantics and concept analysis, Re-engineering governance. Introducing: General Rulebook Systems (GRBS), Plus all you need to know about: Business rules, Forms of business guidance, Fact models, Applying SBVR, Innovations in compliance, More effective process models, Pragmatic knowledge retention, Rule management.

SPS2020

Proceedings of the Swedish Production Symposium, October 7-8, 2020

IOS Press *Knowledge-intensive product realization implies embedded intelligence; meaning that if both theoretical and practical knowledge and understanding of a subject is integrated into the design and production processes of products, this will significantly increase added value. This book presents papers accepted for the 9th Swedish Production Symposium (SPS2020), hosted by the School of Engineering, Jönköping University, Sweden, and held online on 7 & 8 October 2020 because of restrictions due to the Corona virus pandemic. The subtitle of the conference was Knowledge Intensive Product Realization in Co-Operation for Future Sustainable Competitiveness. The book contains the 57 papers accepted for presentation at the conference, and these are divided into nine sections which reflect the topics covered: resource efficient production; flexible production; virtual production development; humans in production systems; circular production systems and maintenance; integrated product and production development; advanced and optimized components, materials and manufacturing; digitalization for smart products and services; and responsive and efficient operations and supply chains. In addition, the book presents five special sessions from the symposium: development of changeable and reconfigurable production systems; smart production system design and development; supply chain relocation; management of manufacturing digitalization; and additive manufacturing in the production system. The book will be of interest to all those working in the field of knowledge-intensive product realization.*

The Code of Federal Regulations of the United States of America

The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

Marketing Financial Services

Routledge *Within a practical business context of the changing, competitive climate, this book details the implications for marketing strategy. New chapters cover topics such as credit cards and customer care, while several relevant case studies have also been added. Combining analysis of principles, concepts and techniques with sound practical advice, 'Marketing Financial Services' is ideal for students on degree and postgraduate courses, including Chartered Institute of Bankers. There is also a tutor resource pack to accompany the case studies in this textbook.*

Advanced Information Systems Engineering Workshops

CAiSE 2012 International Workshops, Gdańsk, Poland, June 25-26, 2012, Proceedings

Springer *This book constitutes the thoroughly refereed proceedings of eight international workshops held in Gdańsk, Poland, in conjunction with the 24th International Conference on Advanced Information Systems Engineering, CAiSE 2012, in June 2012. The 35 full and 17 short revised papers were carefully selected from 104 submissions. The eight workshops were Agility of Enterprise Systems (AgilES), Business/IT Alignment and Interoperability (BUSITAL), Enterprise and Organizational Modeling and Simulation (EOMAS), Governance, Risk and Compliance (GRCIS), Human-Centric Process-Aware Information Systems (HC-PAIS), System and Software Architectures (IWSSA), Ontology, Models, Conceptualization and Epistemology in Social, Artificial and Natural Systems (ONTOSE), and Information Systems Security Engineering (WISSE).*

Business Analysis For Dummies

John Wiley & Sons *Your go-to guide on business analysis Business analysis refers to the set of tasks and activities that help companies determine their objectives for meeting certain opportunities or addressing challenges and then help them define solutions to meet those objectives. Those engaged in business analysis are charged with identifying the activities that enable the company to define the business problem or opportunity, define what the solutions looks like, and define how it should behave in the end. As a BA, you lay out the plans for the process ahead. Business Analysis For Dummies is the go to reference on how to make the complex topic of business analysis easy to understand. Whether you are new or have experience with business analysis, this book gives you the tools, techniques, tips and tricks to set your project's expectations and on the path to success. Offers guidance on how to make an impact in your organization by performing business analysis Shows you the tools and techniques to be an effective business analysis professional Provides a number of examples on how to perform business analysis regardless of your role If you're interested in learning about the tools and techniques used by successful business analysis professionals, Business Analysis For Dummies has you covered.*

Agile Business Rule Development

Process, Architecture, and JRules Examples

Springer Science & Business Media *Business rules are everywhere. Every enterprise process, task, activity, or function is governed by rules. However, some of these rules are implicit and thus poorly enforced, others are written but not enforced, and still others are perhaps poorly written and obscurely enforced. The business rule approach looks for ways to elicit, communicate, and manage business rules in a way that all stakeholders can understand, and to enforce them within the IT infrastructure in a way that supports their traceability and facilitates their maintenance. Boyer and Mili will help you to adopt the business rules approach effectively. While most business rule development methodologies put a heavy emphasis on up-front business modeling and analysis, agile business rule development (ABRD) as introduced in this book is incremental, iterative, and test-driven. Rather than spending weeks discovering and analyzing rules for a complete business function, ABRD puts the emphasis on producing executable, tested rule sets early in the project without jeopardizing the quality, longevity, and maintainability of the end result. The authors' presentation covers all four aspects required for a successful application of the business rules approach: (1) foundations, to understand what business rules are (and are not) and what they can do for you; (2) methodology, to understand how to apply the business rules approach; (3) architecture, to understand how rule automation impacts your application; (4) implementation, to actually deliver the technical solution within the context of a particular business rule management system (BRMS). Throughout the book, the authors use an insurance case study that deals with claim processing. Boyer and Mili cater to different audiences: Project managers will find a pragmatic, proven methodology for delivering and maintaining business rule applications. Business analysts and rule authors will benefit from guidelines and best practices for rule discovery and analysis. Application architects and software developers will appreciate an exploration of the design space for business rule applications, proven architectural and design patterns, and coding guidelines for using JRules.*

Rules and Regulations

Laws of the State of New York

Global Perspectives on E-Commerce Taxation Law

Ashgate Publishing, Ltd. *This book considers the implications for the domestic and international tax systems of the growth of e-commerce. It covers a wide variety of activities, from discussion of the principles governing direct and indirect taxation, to explanation of the implementation and use of e-commerce on the part of businesses as well as the application of existing tax principles in this field.*

Handbook of Research on Applying Emerging Technologies Across Multiple Disciplines

IGI Global *In recent decades, there has been a groundbreaking evolution in technology. Every year, technology not only advances, but it also spreads throughout industries. Many fields such as law, education, business, engineering, and more have adopted these advanced technologies into their toolset. These technologies have a vastly different effect ranging from these different industries. The Handbook of Research on Applying Emerging Technologies Across Multiple Disciplines examines how technologies impact many different areas of knowledge. This book combines a solid theoretical approach with many practical applications of new technologies within many disciplines. Covering topics such as computer-supported collaborative learning, machine learning algorithms, and blockchain, this text is essential for technologists, IT specialists, programmers, computer scientists, engineers, managers, administrators, academicians, students, policymakers, and researchers.*

Forensic Services Directory

Catalog of Federal Domestic Assistance

Identifies and describes specific government assistance opportunities such as loans, grants, counseling, and procurement contracts available under many agencies and programs.

Data-Centric Business and Applications

Towards Software Development (Volume 4)

Springer Nature *This book explores various aspects of software creation and development as well as data and information processing. It covers relevant topics such as business analysis, business rules, requirements engineering, software development processes, software defect prediction, information management systems, and knowledge management solutions. Lastly, the book presents lessons learned in information and data management processes and procedures.*

Decision Management Systems

A Practical Guide to Using Business Rules and Predictive Analytics

Pearson Education *"A very rich book sprinkled with real-life examples as well as battle-tested advice." —Pierre Haren, VP ILOG, IBM "James does a thorough job of explaining Decision Management Systems as enablers of a formidable business transformation." —Deepak Advani, Vice President, Business Analytics Products and SPSS, IBM Build Systems That Work Actively to Help You Maximize Growth and Profits Most companies rely on operational systems that are largely passive. But what if you could make your systems active participants in optimizing your business? What if your systems could act intelligently on their own? Learn, not just report? Empower users to take action instead of simply escalating their problems? Evolve without massive IT investments? Decision Management Systems can do all that and more. In this book, the field's leading expert demonstrates how to use them to drive unprecedented levels of business value. James Taylor shows how to integrate operational and analytic technologies to create systems that are more agile, more analytic, and more adaptive. Through actual case studies, you'll learn how to combine technologies such as predictive analytics, optimization, and business rules—improving customer service, reducing fraud, managing risk, increasing agility, and driving growth. Both a practical how-to guide and a framework for planning, Decision Management Systems focuses on mainstream business challenges. Coverage includes Understanding how Decision Management Systems can transform your business Planning your systems "with the decision in mind" Identifying, modeling, and prioritizing the decisions you need to optimize Designing and implementing robust decision services Monitoring your ongoing decision-making and learning how to improve it Proven enablers of effective Decision Management Systems: people, process, and technology Identifying and overcoming obstacles that can derail your Decision Management Systems initiative*

Industrial Standardization and Commercial Standards Monthly

Digital Business Models for Industry 4.0

How Innovation and Technology Shape the Future of Companies

Springer Nature

Smart Business Intelligence Solutions with Microsoft SQL Server 2008

Microsoft Press *Get the end-to-end instruction you need to design, develop, and deploy more effective data integration, reporting, and analysis solutions using SQL Server 2008--whether you're new to business intelligence (BI) programming or a seasoned pro. With real-world examples and insights from an expert team, you'll master the concepts, tools, and techniques for building solutions that deliver intelligence--and business value--exactly where users want it. Discover how to: Manage the development life cycle and build a BI team Dig into SQL Server Analysis Services, Integration Services, and Reporting Services Navigate the Business Intelligence Development Studio (BIDS) Write queries that rank, sort, and drill down on sales data Develop extract, transform, and load (ETL) solutions Add a source code control system Help secure packages for deployment via encryption and credentials Use MDX and DMX Query Designers to build reports based on OLAP cubes and data mining models Create and implement custom objects using .NET code View reports in Microsoft Office Excel and Office SharePoint Serverook*

Federal Program Evaluations

A Directory for the Congress

Contains an inventory of evaluation reports produced by and for selected Federal agencies, including GAO evaluation reports that relate to the programs of those agencies.

Managing Complex Projects

A New Model

Berrett-Koehler Publishers *For organizations to thrive, indeed to survive, in today's global economy, we must find ways to dramatically improve the performance of large-scale projects. Applying the concepts of complexity theory can complement conventional project management approaches and enable us to adapt to the unrelenting change that we ignore at our own peril. Managing Complex Projects: A New Model offers an innovative way of looking at projects and treating them as complex adaptive systems. Applying the principles of complexity thinking will enable project managers and leadership teams to manage large-scale initiatives successfully. • Explore how complexity thinking can be used to find new, creative ways to think about and manage projects • Diagnose complexity on a wide range of projects — from small, independent, short projects to highly complex, longer projects • Understand and manage the complexity of the business problem, opportunity, solution, and other dimensions that come into play when managing large-scale efforts Use the Project Complexity Model to determine the most effective approach to managing all aspects of a project based on the level of complexity involved.*

Building the Law Department

With expert contributions from in-house lawyers and external counsel, Building the Law Department of Tomorrow contains invaluable advice on aligning a modern law department's strategy with its practice.

Business Analytics Using R - A Practical Approach

Apress *Learn the fundamental aspects of the business statistics, data mining, and machine learning techniques required to understand the huge amount of data generated by your organization. This book explains practical business analytics through examples, covers the steps involved in using it correctly, and shows you the context in which a particular technique does not make sense. Further, Practical Business Analytics using R helps you understand specific issues faced by organizations and how the solutions to these issues can be facilitated by business analytics. This book will discuss and explore the following through examples and case studies: An introduction to R: data management and R functions The architecture, framework, and life cycle of a business analytics project Descriptive analytics using R: descriptive statistics and data cleaning Data mining: classification, association rules, and clustering Predictive analytics: simple regression, multiple regression, and logistic regression This book includes case studies on important business analytic techniques, such as classification, association, clustering, and regression. The R language is the statistical tool used to demonstrate the concepts throughout the book. What You Will Learn • Write R programs to handle data • Build analytical models and draw useful inferences from them • Discover the basic concepts of data mining and machine learning • Carry out predictive modeling • Define a business issue as an analytical problem Who This Book Is For Beginners who want to understand and learn the fundamentals of analytics using R. Students, managers, executives, strategy and planning professionals, software professionals, and BI/DW professionals.*

Building Big Data and Analytics Solutions in the Cloud

IBM Redbooks *Big data is currently one of the most critical emerging technologies. Organizations around the world are looking to exploit the explosive growth of data to unlock previously hidden insights in the hope of creating new revenue streams, gaining operational efficiencies, and obtaining greater understanding of customer needs. It is important to think of big data and analytics together. Big data is the term used to describe the recent explosion of different types of data from disparate sources. Analytics is about examining data to derive interesting and relevant trends and patterns, which can be used to inform decisions, optimize processes, and even drive new business models. With today's deluge of data comes the problems of processing that data, obtaining the correct skills to manage and analyze that data, and establishing rules to govern the data's use and distribution. The big data technology stack is ever growing and sometimes confusing, even more so when we add the complexities of setting up big data environments with large up-front investments. Cloud computing seems to be a perfect vehicle for hosting big data workloads. However, working on big data in the cloud brings its own challenge of reconciling two contradictory design principles. Cloud computing is based on the concepts of consolidation and resource pooling, but big data systems (such as Hadoop) are built on the shared nothing principle, where each node is independent and self-sufficient. A solution architecture that can allow these mutually exclusive principles to coexist is required to truly exploit the elasticity and ease-of-use of cloud computing for big data environments. This IBM® RedpaperTM publication is aimed at chief architects, line-of-business executives, and CIOs to provide an understanding of the cloud-related challenges they face and give prescriptive guidance for how to realize the benefits of big data solutions quickly and cost-effectively.*