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Big Data Analytics with R and Hadoop Vignesh Prajapati, 2013 Big Data Analytics with R and Hadoop is a tutorial style book that focuses on all the powerful big data tasks that can be achieved by integrating R and Hadoop. This book is ideal for R developers who are looking for a way to perform big data analytics with Hadoop. This book is also aimed at those who know Hadoop and want to build some intelligent applications over Big data with R packages. It would be helpful if readers have basic knowledge of R.

Big Data Analytics: Applications, Hadoop Technologies and Hive Dr.P.Pushpa, Dr.V.Thamilarasi, Dr. S. Lakshmi Prabha, Mrs. Sudha Nagarajan, 2024-04-22 Dr P Pushpa Lecturer School of Software Engineering East China University of Technology Nanchang Jiangxi China Dr V Thamilarasi Assistant Professor Department of Computer Science Sri Sarada College for Women Autonomous Salem Tamil Nadu India Dr S Lakshmi Prabha Associate Professor Department of Computer Science Seethalakshmi Ramaswami College Tiruchirappalli Tamil Nadu India Mrs Sudha Nagarajan Assistant Professor Department of Computer Science Excel College for Commerce and Science Komarapalayam Namakkal Tamil Nadu India

Big Data Forensics - Learning Hadoop Investigations Joe Sremack, 2015-09-24 Perform forensic investigations on Hadoop clusters with cutting edge tools and techniques. About This Book Identify collect and analyze Hadoop evidence forensically. Learn about Hadoop's internals and Big Data file storage concepts. A step by step guide to help you perform forensic analysis using freely available tools. Who This Book Is For This book is meant for statisticians and forensic analysts with basic knowledge of digital forensics. They do not need to know Big Data Forensics. If you are an IT professional, law enforcement professional, legal professional or a student interested in Big Data and forensics, this book is the perfect hands on guide for learning how to conduct Hadoop forensic investigations. Each topic and step in the forensic process is described in accessible language. What You Will Learn Understand Hadoop internals and file storage. Collect and analyze Hadoop forensic evidence. Perform complex forensic analysis for fraud and other investigations. Use state of the art forensic tools. Conduct interviews to identify Hadoop evidence. Create compelling presentations of your forensic findings. Understand how Big Data clusters operate. Apply advanced forensic techniques in an investigation including file carving, statistical analysis and more. In Detail Big Data forensics is an important type of digital investigation that involves the identification, collection and analysis of large scale Big Data systems. Hadoop is one of the most popular Big Data solutions and forensically investigating a Hadoop cluster requires specialized tools and techniques. With the explosion of Big Data, forensic investigators need to be prepared to analyze the petabytes of data stored in Hadoop clusters. Understanding Hadoop's operational structure and performing forensic analysis with court accepted tools and best practices will help you conduct a successful investigation. Discover how to perform a complete forensic investigation of large scale Hadoop clusters using the same tools and techniques employed by forensic experts. This book begins by taking you through the process of forensic investigation and the pitfalls to avoid. It will walk you through Hadoop's internals and architecture and you will discover what types of

information Hadoop stores and how to access that data You will learn to identify Big Data evidence using techniques to survey a live system and interview witnesses After setting up your own Hadoop system you will collect evidence using techniques such as forensic imaging and application based extractions You will analyze Hadoop evidence using advanced tools and techniques to uncover events and statistical information Finally data visualization and evidence presentation techniques are covered to help you properly communicate your findings to any audience Style and approach This book is a complete guide that follows every step of the forensic analysis process in detail You will be guided through each key topic and step necessary to perform an investigation Hands on exercises are presented throughout the book and technical reference guides and sample documents are included for real world use

Scaling Big Data with Hadoop and Solr - Second Edition Hrishikesh Vijay Karambelkar,2015-04-27 This book is aimed at developers designers and architects who would like to build big data enterprise search solutions for their customers or organizations No prior knowledge of Apache Hadoop and Apache Solr Lucene technologies is required

Hadoop Essentials Shiva Achari,2015-04-29 If you are a system or application developer interested in learning how to solve practical problems using the Hadoop framework then this book is ideal for you This book is also meant for Hadoop professionals who want to find solutions to the different challenges they come across in their Hadoop projects

Hadoop MapReduce v2 Cookbook - Second Edition Thilina Gunarathne,2015-02-25 If you are a Big Data enthusiast and wish to use Hadoop v2 to solve your problems then this book is for you This book is for Java programmers with little to moderate knowledge of Hadoop MapReduce This is also a one stop reference for developers and system admins who want to quickly get up to speed with using Hadoop v2 It would be helpful to have a basic knowledge of software development using Java and a basic working knowledge of Linux

Mastering Predictive Analytics with R Rui Miguel Forte,2015-06-17 R offers a free and open source environment that is perfect for both learning and deploying predictive modeling solutions in the real world With its constantly growing community and plethora of packages R offers the functionality to deal with a truly vast array of problems This book is designed to be both a guide and a reference for moving beyond the basics of predictive modeling The book begins with a dedicated chapter on the language of models and the predictive modeling process Each subsequent chapter tackles a particular type of model such as neural networks and focuses on the three important questions of how the model works how to use R to train it and how to measure and assess its performance using real world data sets By the end of this book you will have explored and tested the most popular modeling techniques in use on real world data sets and mastered a diverse range of techniques in predictive analytics

Mastering RStudio - Develop, Communicate, and Collaborate with R Julian Hillebrand,Maximilian H. Nierhoff,2015-12-04 Harness the power of RStudio to create web applications R packages markdown reports and pretty data visualizations About This Book Discover the multi functional use of RStudio to support your daily work with R code Learn to create stunning meaningful and interactive graphs and learn to embed them into easy communicable reports using multiple

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Predictive Analytics Using Rattle and Qlik Sense Ferran Garcia Pagans, 2015-06-30 Qlik Sense Desktop the personal and free version of Qlik Sense is a powerful tool for business analysts to analyze data and create useful data applications Rattle developed in R is a GUI used for data mining and complements Qlik Sense Desktop very well By combining Rattle and Qlik Sense Desktop a business user can learn how to apply predictive analytics to create real world data applications The objective is to use Qlik Sense to analyze data and complement it with predictive analytics using Rattle This book will introduce you to basic predictive analysis techniques using Rattle and basic data visualizations concepts using Qlik Sense Desktop You will start by setting up Qlik Sense Desktop R and Rattle and learn the basic of these tools Then this book will examine the data and make it ready to be analyzed After that you will get to know the key concepts of predictive analytics by building simple models with Rattle and creating visualizations with Qlik Sense Desktop Finally the book will show you the basics of data visualization and will help you to create your first data application and dashboard

HDInsight Essentials - Second Edition Rajesh Nadipalli, 2015-01-27 If you want to discover one of the latest tools designed to produce stunning Big Data insights this book features everything you need to get to grips with your data Whether you are a data

architect developer or a business strategist HDInsight adds value in everything from development administration and reporting

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