

# INTRODUCTION 12 o reilly media [PDF]

Subversion 1.6 Official Guide Enterprise Data Workflows with Cascading Programming  
Beyond Practices Designing Data-Intensive Applications Becoming Functional Learning Java  
Learning Virtual Reality Learning PHP, MySQL, JavaScript, and CSS Enterprise IoT Learning R  
Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow Accumulo WTF?: What's  
the Future and Why It's Up to Us Calm Technology Think Complexity RT Essentials Managing  
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Science for Business Big Data Now: Current Perspectives from O'Reilly Radar

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**Subversion 1.6 Official Guide** 2009-10 this is the official guide and reference manual for subversion 1.6 the popular open source revision control technology

**Enterprise Data Workflows with Cascading** 2013-07-11 there is an easier way to build hadoop applications with this hands on book you ll learn how to use cascading the open source abstraction framework for hadoop that lets you easily create and manage powerful enterprise grade data processing applications without having to learn the intricacies of mapreduce working with sample apps based on java and other jvm languages you ll quickly learn cascading s streamlined approach to data processing data filtering and workflow optimization this book demonstrates how this framework can help your business extract meaningful information from large amounts of distributed data start working on cascading example projects right away model and analyze unstructured data in any format from any source build and test applications with familiar constructs and reusable components work with the scalding and cascalog domain specific languages easily deploy applications to hadoop regardless of cluster location or data size build workflows that integrate several big data frameworks and processes explore common use cases for cascading including features and tools that support them examine a case study that uses a dataset from the open data initiative

*Programming Beyond Practices* 2016-10-06 writing code is the easy part of your work as a software developer this practical book lets you explore the other 90 everything from requirements discovery and rapid prototyping to business analysis and designing for maintainability instead of providing neatly packaged advice from on high author gregory brown presents detailed examples of the many problems developers encounter including the thought process it takes to solve them he does this in an unusual and entertaining fashion by making you the main character in a series of chapter length stories as these stories progress the examples become more complex and your responsibilities increase together these stories take you on a journey that will make you question and refine the way you think about and work on software projects steps in this unique journey include using prototypes to explore project ideas spotting hidden dependencies in incremental changes identifying the pain points of service integrations developing a rigorous approach towards problem solving designing software from the bottom up data modeling in an imperfect world gradual process improvement as an antidote for over commitment the future of software development

**Designing Data-Intensive Applications** 2017-03-16 data is at the center of many challenges in system design today difficult issues need to be figured out such as scalability consistency reliability efficiency and maintainability in addition we have an overwhelming variety of tools including relational databases nosql datastores stream or batch processors and message brokers what are the right choices for your application how do you make sense of all these buzzwords in this practical and comprehensive guide author martin kleppmann helps you navigate this diverse landscape by examining the pros and cons of various technologies for processing and storing data software keeps changing but the fundamental principles remain the same with this book software engineers and architects will learn how to apply those ideas in practice and how to make full use of data in modern applications peer under the hood of the systems you already use and learn how to use and operate them more effectively make informed decisions by identifying the strengths and weaknesses of different tools navigate the trade offs around consistency scalability fault tolerance and complexity understand the distributed systems research upon which modern databases are built peek behind the scenes of major online services and learn from their architectures

**Becoming Functional** 2014-07-02 if you have an imperative and probably object oriented

programming background this hands on book will guide you through the alien world of functional programming author joshua backfield begins slowly by showing you how to apply the most useful implementation concepts before taking you further into functional style concepts and practices in each chapter you ll learn a functional concept and then use it to refactor the fictional xxy company s imperative style legacy code writing and testing the functional code yourself as you progress through the book you ll migrate from java 7 to groovy and finally to scala as the need for better functional language support gradually increases learn why today s finely tuned applications work better with functional code transform imperative style patterns into functional code following basic steps get up to speed with groovy and scala through examples understand how first class functions are passed and returned from other functions convert existing methods into pure functions and loops into recursive methods change mutable variables into immutable variables get hands on experience with statements and nonstrict evaluations use functional programming alongside object oriented design

**Learning Java** 2002 this updated edition introduces the basics of java and everything necessary to get up to speed on the new 1 4 version quickly cd contains the java 2 sdk for windows linux and solaris

**Learning Virtual Reality** 2015-10-26 annotation get an introduction to the technologies tools and techniques for programming virtual reality on the latest generation of desktop and mobile vr hardware with this hands on guide you ll learn essential development and production concepts including ui design stereo rendering 3d input and programming vr applications for native desktop mobile and the web you don t have to be a game development wizard or have 3d graphics experience to get started if you have basic programming skills and some familiarity with mobile development this book will help you gain a working knowledge of virtual reality through clear and simple examples

*Learning PHP, MySQL, JavaScript, and CSS* 2012-08-27 learn how to build interactive data driven websites even if you don t have any previous programming experience if you know how to build static sites with html this popular guide will help you tackle dynamic web programming you ll get a thorough grounding in today s core open source technologies php mysql javascript and css explore each technology separately learn how to combine them and pick up valuable web programming concepts along the way including objects xmlhttp cookies and session management this book provides review questions in each chapter to help you apply what you ve learned learn php essentials and the basics of object oriented programming master mysql from database structure to complex queries create web pages with php and mysql by integrating forms and other html features learn javascript fundamentals from functions and event handling to accessing the document object model pick up css basics for formatting and styling your web pages turn your website into a highly dynamic environment with ajax calls upload and manipulate files and images validate user input and secure your applications explore a working example that brings all of the ingredients together

Enterprise IoT 2015-10-29 current hype aside the internet of things will ultimately become as fundamental as the internet itself with lots of opportunities and trials along the way to help you navigate these choppy waters this practical guide introduces a dedicated methodology for businesses preparing to transition towards iot based business models with a set of best practices based on case study analysis expert interviews and the authors own experience the ignite iot methodology outlined in this book delivers actionable guidelines to assist you with iot strategy management and project execution you ll also find a detailed case study of a

project fully developed with this methodology this book consists of three parts illustrative case studies of selected iot domains including smart energy connected vehicles manufacturing and supply chain management and smart cities the ignite iot methodology for defining iot strategy preparing your organization for iot adoption and planning and executing iot projects a detailed case study of the iic track trace testbed one of the first projects to be fully developed according to the ignite iot methodology

**Learning R** 2013-09-09 learn how to perform data analysis with the r language and software environment even if you have little or no programming experience with the tutorials in this hands on guide you ll learn how to use the essential r tools you need to know to analyze data including data types and programming concepts the second half of learning r shows you real data analysis in action by covering everything from importing data to publishing your results each chapter in the book includes a quiz on what you ve learned and concludes with exercises most of which involve writing r code write a simple r program and discover what the language can do use data types such as vectors arrays lists data frames and strings execute code conditionally or repeatedly with branches and loops apply r add on packages and package your own work for others learn how to clean data you import from a variety of sources understand data through visualization and summary statistics use statistical models to pass quantitative judgments about data and make predictions learn what to do when things go wrong while writing data analysis code

Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow 2019-09-05 through a series of recent breakthroughs deep learning has boosted the entire field of machine learning now even programmers who know close to nothing about this technology can use simple efficient tools to implement programs capable of learning from data this practical book shows you how by using concrete examples minimal theory and two production ready python frameworks scikit learn and tensorflow author aurélien géron helps you gain an intuitive understanding of the concepts and tools for building intelligent systems you ll learn a range of techniques starting with simple linear regression and progressing to deep neural networks with exercises in each chapter to help you apply what you ve learned all you need is programming experience to get started explore the machine learning landscape particularly neural nets use scikit learn to track an example machine learning project end to end explore several training models including support vector machines decision trees random forests and ensemble methods use the tensorflow library to build and train neural nets dive into neural net architectures including convolutional nets recurrent nets and deep reinforcement learning learn techniques for training and scaling deep neural nets

**Accumulo** 2015-07 get up to speed on apache accumulo the flexible high performance key value store created by the national security agency nsa and based on google s bigtable data storage system written by former nsa team members this comprehensive tutorial and reference covers accumulo architecture application development table design and cell level security with clear information on system administration performance tuning and best practices this book is ideal for developers seeking to write accumulo applications administrators charged with installing and maintaining accumulo and other professionals interested in what accumulo has to offer you will find everything you need to use this system fully get a high level introduction to accumulo s architecture and data model take a rapid tour through single and multiple node installations data ingest and query learn how to write accumulo applications for several use cases based on examples dive into accumulo internals including information not available in the documentation get detailed information for installing administering tuning and measuring performance learn best practices based on

successful implementations in the field find answers to common questions that every new accumulo user asks

*WTF?: What's the Future and Why It's Up to Us* 2017-10-19 the man who can really make a whole industry happen eric schmidt executive chairman of google a punchy and provocative book wtf is an insightful and heartfelt plea daring us to reimagine a better economy and society financial times renowned as the oracle of silicon valley tim o reilly has spent three decades exploring the world transforming power of information technology now the leading thinker of the internet age turns his eye to the future and asks the questions that will frame the next stage of the digital revolution will increased automation destroy jobs or create new opportunities what will the company of tomorrow look like is a world dominated by algorithms to be welcomed or feared how can we ensure that technology serves people rather than the other way around how can we all become better at mapping future trends tim o reilly s insights create an authoritative compelling and often surprising portrait of the world we will soon inhabit highlighting both the many pitfalls and the enormous opportunities that lie ahead tim o reilly has been at the cutting edge of the internet since it went commercial new york times o reilly s ability to quickly identify nascent trends is unparalleled wired

**Calm Technology** 2015-12-18 how can you design technology that becomes a part of a user s life and not a distraction from it this practical book explores the concept of calm technology a method for smoothly capturing a user s attention only when necessary while calmly remaining in the background most of the time you ll learn how to design products that work well launch well are easy to support easy to use and remain unobtrusive author amber case presents ideas first introduced by researchers at xerox parc in 1995 and explains how they apply to our current technology landscape especially the internet of things this book is ideal for ux and product designers managers creative directors and developers you ll learn the importance and challenge of designing technology that respects our attention principles of calm design peripheral attention context and ambient awareness calm communication patterns improving attention through a variety of senses exercises for improving existing products through calm technology principles and patterns of calm technology for companies and teams the origins of calm technology at xerox parc

Think Complexity 2012-03-02 enhances python skills by working with data structures and algorithms and gives examples of complex systems using exercises case studies and simple explanations

**RT Essentials** 2005-08-18 provides information on using the ticketing system request tracker

**Managing Projects with GNU Make** 2004-11-19 this updated reference offers a clear description of make a central engine in many programming projects that simplifies the process of re linking a program after re compiling source files original intermediate

**The AI Organization** 2019-11-12 much in the same way that software transformed business in the past two decades ai is set to redefine organizations and entire industries just as every company is a software company today every company will soon be an ai company this practical guide explains how business and technical leaders can embrace this new breed of organization based on real customer experience microsoft s david carmona covers the journey necessary to become an ai organization from applying ai in your business today to the deep transformation that can empower your organization to redefine the industry you ll learn the core concepts of ai as they are applied to real business explore and prioritize the most appropriate use cases for ai in your company and drive the organizational and cultural change needed to transform your business with ai

Programming for PaaS 2013-07-31 platform as a service paas is gaining serious traction among web and mobile developers but as new paas providers emerge and existing vendors upgrade their features it's hard to keep track of what paas has to offer this thorough introduction takes you through the paas model from a developer's point of view and breaks down the types of services that google app engine windows azure heroku cloud foundry and others deliver whether you're an entrepreneur or part of a large enterprise development team this book shows you how paas can help you focus on innovative applications rather than spend your time worrying about technical operations track the cloud's evolution from iaas and devops to paas learn how paas combines the simplicity of shared web hosting with the control of dedicated hosting explore the benefits of both portable and non-portable paas options apply best practices for moving legacy apps to paas and understand the challenges involved write new applications for paas from scratch with restful microservices use paas to build mobile apps with backend services that scale examine the core services that each major provider currently offers learn the situations in which paas might not be advantageous

*Process Improvement Essentials* 2006-09-14 today technology has become too much a part of overall corporate success for its effectiveness to be left to chance the stakes are too high fortunately the idea of quality management is being reinvigorated in the last decade process programs have become more and more prevalent and out of all the available options three have moved to the top of the chain these three are the ISO 9001 2000 quality management standard from the international standards organization the capability maturity model integration from the software engineering institute and six sigma a methodology for improvement shaped by companies such as motorola honeywell and general electric these recognized and proven quality programs are rising in popularity as more technology managers are looking for ways to help remove degrees of risk and uncertainty from their business equations and to introduce methods of predictability that better ensure success process improvement essentials combines the foundation needed to understand process improvement theory with the best practices to help individuals implement process improvement initiatives in their organization the three leading programs ISO 9001 2000 CMMI and six sigma amidst the buzz and hype tend to get lumped together under a common label this book delivers a combined guide to all three programs compares their applicability and then sets the foundation for further exploration it's a one-stop shop designed to give you a working orientation to what the field is all about

Python Data Science Handbook 2016-11-21 for many researchers python is a first-class tool mainly because of its libraries for storing manipulating and gaining insight from data several resources exist for individual pieces of this data science stack but only with the python data science handbook do you get them all ipython numpy pandas matplotlib scikit learn and other related tools working scientists and data crunchers familiar with reading and writing python code will find this comprehensive desk reference ideal for tackling day-to-day issues manipulating transforming and cleaning data visualizing different types of data and using data to build statistical or machine learning models quite simply this is the must-have reference for scientific computing in python with this handbook you'll learn how to use ipython and jupyter provide computational environments for data scientists using python numpy includes the ndarray for efficient storage and manipulation of dense data arrays in python pandas features the dataframe for efficient storage and manipulation of labeled columnar data in python matplotlib includes capabilities for a flexible range of data visualizations in python scikit learn for efficient and clean python implementations of the most important and established machine learning algorithms



Introduction to Search with Sphinx 2011-04-20 this concise introduction to sphinx shows you how to use this free software to index an enormous number of documents and provide fast results to both simple and complex searches written by the creator of sphinx this authoritative book is short and to the point understand the particular way sphinx conducts searches install and configure sphinx and run a few basic tests issue basic queries to sphinx at the application level learn the syntax of search text and the effects of various search options get strategies for dealing with large data sets such as multi index searching apply relevance and ranking guidelines for presenting best results to the user

**Designing for Performance** 2014-12-04 as a web designer you encounter tough choices when it comes to weighing aesthetics and performance good content layout images and interactivity are essential for engaging your audience and each of these elements have an enormous impact on page load time and the end user experience in this practical book lara hogan helps you approach projects with page speed in mind showing you how to test and benchmark which design choices are most critical to get started all you need are basic html and css skills and photoshop experience topics include the impact of page load time on your site brand and users page speed basics how browsers retrieve and render content best practices for optimizing and loading images how to clean up html and css and optimize web fonts mobile first design with performance goals by breakpoint using tools to measure performance as your site evolves methods for shaping an organization s performance culture

Creating Augmented and Virtual Realities 2019-03-18 despite popular forays into augmented and virtual reality in recent years spatial computing still sits on the cusp of mainstream use developers artists and designers looking to enter this field today have few places to turn for expert guidance in this book erin pangilinan steve lukas and vasanth mohan examine the ar and vr development pipeline and provide hands on practice to help you hone your skills through step by step tutorials you ll learn how to build practical applications and experiences grounded in theory and backed by industry use cases in each section of the book industry specialists including timoni west victor prisacariu and nicolas meuleau join the authors to explain the technology behind spatial computing in three parts this book covers art and design explore spatial computing and design interactions human centered interaction and sensory design and content creation tools for digital art technical development examine differences between arkit arcore and spatial mapping based systems learn approaches to cross platform development on head mounted displays use cases learn how data and machine learning visualization and ai work in spatial computing training sports health and other enterprise applications

**Sendmail** 2002-12-18 reliable flexible and configurable enough to solve the mail routing needs of any web site sendmail has withstood the test of time but has become no less daunting in its complexity even the most experienced system administrators have found it challenging to configure and difficult to understand for help in unraveling its intricacies sendmail administrators have turned unanimously to one reliable source the bat book or sendmail by bryan costales and the creator of sendmail eric allman now in its third edition this best selling reference will help you master the most demanding version of sendmail yet the new edition of sendmail has been completely revised to cover sendmail 8.12 a version with more features and fundamental changes than any previous version of the unix based email routing program because the latest version of sendmail differs so significantly from earlier versions a massive rewrite of this best selling reference was called for the book begins by guiding you through the building and installation of sendmail and its companion programs such as vacation and makemap these additional programs are pivotal to sendmail s daily

operation next you'll cover the day to day administration of sendmail this section includes two entirely new chapters performance tuning to help you make mail delivery as efficient as possible and handling spam to deal with sendmail's rich anti spam features the next section of the book tackles the sendmail configuration file and debugging and finally the book wraps up with five appendices that provide more detail about sendmail than you may ever need altogether versions 8.10 through 8.12 include dozens of new features options and macros and this greatly expanded edition thoroughly addresses each and provides an advance look at sendmail version 8.13 expected to be released in 2003 with sendmail third edition in hand you will be able to configure this challenging but necessary utility for whatever needs your system requires this much anticipated revision is essential reading for sendmail administrators

**What is EPUB 3?** 2011-09-29 this book discusses the exciting new format that is set to unleash a content revolution in the publishing world laden with features the printed page could never offer such as embedded multimedia and scripted interactivity epub 3 will forever change what a book can be this article walks you through the format and puts it in its place in the digital landscape explaining why epub 3 is set to become the new global standard for ebooks as it also becomes the new accessible standard for ebooks

**UX Strategy** 2015-05-20 user experience ux strategy requires a careful blend of business strategy and ux design but until now there hasn't been an easy to apply framework for executing it this hands on guide introduces lightweight strategy tools and techniques to help you and your team craft innovative multi device products that people want to use whether you're an entrepreneur ux/ui designer product manager or part of an intrapreneurial team this book teaches simple to advanced strategies that you can use in your work right away along with business cases historical context and real world examples throughout you'll also gain different perspectives on the subject through interviews with top strategists define and validate your target users through provisional personas and customer discovery techniques conduct competitive research and analysis to explore a crowded marketplace or an opportunity to create unique value focus your team on the primary utility and business model of your product by running structured experiments using prototypes devise ux funnels that increase customer engagement by mapping desired user actions to meaningful metrics

**Practical Machine Learning with H2O** 2016-12-05 machine learning has finally come of age with h2o software you can perform machine learning and data analysis using a simple open source framework that's easy to use has a wide range of os and language support and scales for big data this hands on guide teaches you how to use h2o with only minimal math and theory behind the learning algorithms if you're familiar with r or python know a bit of statistics and have some experience manipulating data author darren cook will take you through h2o basics and help you conduct machine learning experiments on different sample data sets you'll explore several modern machine learning techniques such as deep learning random forests unsupervised learning and ensemble learning learn how to import manipulate and export data with h2o explore key machine learning concepts such as cross validation and validation data sets work with three diverse data sets including a regression a multinomial classification and a binomial classification use h2o to analyze each sample data set with four supervised machine learning algorithms understand how cluster analysis and other unsupervised machine learning algorithms work

**OpenShift for Developers** 2016-08-04 keen to build web applications for the cloud get a quick hands on introduction to openshift the open source platform as a service paas offering from red hat with this practical guide you'll learn the steps necessary to build deploy and

host a complete real world application on openshift without having to slog through long detailed explanations of the technologies involved openshift enables you to use docker application containers and the kubernetes cluster manager to automate the way you create ship and run applications through the course of the book you ll learn how to use openshift and the wildfly application server to build and then immediately deploy a java application online learn about openshift s core technology including docker based containers and kubernetes use a virtual machine with openshift installed and configured on your local environment create and deploy your first application on the openshift platform add language runtime dependencies and connect to a database trigger an automatic rebuild and redeployment when you push changes to the repository get a working environment up in minutes with application templates use commands to check and debug your application create and build docker based images for your application

**Zero Trust Networks** 2017-06-19 the perimeter defenses guarding your network perhaps are not as secure as you think hosts behind the firewall have no defenses of their own so when a host in the trusted zone is breached access to your data center is not far behind that s an all too familiar scenario today with this practical book you ll learn the principles behind zero trust architecture along with details necessary to implement it the zero trust model treats all hosts as if they re internet facing and considers the entire network to be compromised and hostile by taking this approach you ll focus on building strong authentication authorization and encryption throughout while providing compartmentalized access and better operational agility understand how perimeter based defenses have evolved to become the broken model we use today explore two case studies of zero trust in production networks on the client side google and on the server side pagerduty get example configuration for open source tools that you can use to build a zero trust network learn how to migrate from a perimeter based network to a zero trust network in production

*The Data Journalism Handbook* 2012-07-12 when you combine the sheer scale and range of digital information now available with a journalist s nose for news and her ability to tell a compelling story a new world of possibility opens up with the data journalism handbook you ll explore the potential limits and applied uses of this new and fascinating field this valuable handbook has attracted scores of contributors since the european journalism centre and the open knowledge foundation launched the project at mozfest 2011 through a collection of tips and techniques from leading journalists professors software developers and data analysts you ll learn how data can be either the source of data journalism or a tool with which the story is told or both examine the use of data journalism at the bbc the chicago tribune the guardian and other news organizations explore in depth case studies on elections riots school performance and corruption learn how to find data from the through freedom of information laws and by crowd sourcing extract information from raw data with tips for working with numbers and statistics and using data visualization deliver data through infographics news apps open data platforms and download links

**The New Kingmakers** 2013 the new kingmakers documents the rise of the developer class and provides strategies for companies to adapt to the new technology landscape from recruiting to retention it provides a playbook to work more efficiently and effectively with the most important members of your organization

**Digital Identity** 2005-08 looks at the standards for interoperability their meaning and their impact on an organization s overall identity management strategy explaining how digital identity can be employed to create an agile digital identity infrastructure and outlining specific problems and solutions

Essential Cybersecurity Science 2015-12-08 if you're involved in cybersecurity as a software developer, forensic investigator, or network administrator, this practical guide shows you how to apply the scientific method when assessing techniques for protecting your information systems. You'll learn how to conduct scientific experiments on everyday tools and procedures, whether you're evaluating corporate security systems, testing your own security product, or looking for bugs in a mobile game. Once author Josiah Dykstra gets you up to speed on the scientific method, he helps you focus on standalone, domain-specific topics such as cryptography, malware analysis, and system security engineering. The latter chapters include practical case studies that demonstrate how to use available tools to conduct domain-specific scientific experiments. Learn the steps necessary to conduct scientific experiments in cybersecurity, explore fuzzing to test how your software handles various inputs, measure the performance of the Snort intrusion detection system, locate malicious needles in a haystack in your network and its environment, evaluate cryptography design and application in IoT products, conduct an experiment to identify relationships between similar malware binaries, understand system-level security requirements for enterprise networks and web services.

*Windows Vista in a Nutshell* 2006-12-22 this unique reference thoroughly documents every important setting and feature in Microsoft's new operating system with alphabetical listings for hundreds of commands, windows, menus, listboxes, buttons, scrollbars, and other elements of Windows Vista. With this book's simple organization, you'll easily find any setting, tool, or feature for the task you want to accomplish, along with a system overview that highlights major changes and a tour of the basics, such as manipulating files and getting around the interface. *Windows Vista in a Nutshell* offers alphabetized references for these topics: the user interface, covers the sidebar, Aero Glass, the new control panel layout, and applets, as well as how to customize animated windows, the desktop, start menu, pop-up windows on the taskbar, and more; the file system, drives, data, and search, discusses working with the new Windows Explorer, virtual folders, searches, indexing, saved searches, metadata, and sharing; the Internet and networking, examines TCP/IP, RSS, tabbed browsing, and anti-phishing features of Internet Explorer, plus cookie handling, parental control features, and more; networking and wireless, offers an illustrated step-by-step guide to setting up a home network, covers the network center, sync center, hot spot access, wireless management, collaboration, and sharing; working with hardware, describes how to set up, maintain, and troubleshoot hardware, including keyboards, mice, monitors, USB devices, scanners, cameras, and sound devices, and how to add, install, and troubleshoot drivers; security, includes the Security Center, Windows Defender, user account protection, system protection, network access protection, Wi-Fi encryption, Windows Firewall, file encryption, and more; mobility, explains mobility center settings, plugging a secondary monitor into your computer, and the new network projection feature for making presentations; multimedia, covers Windows Photo Gallery, Media Player, Media Center, podcasting features, connecting to and syncing with MP3 players, recording TV and videos, making videos with Windows Movie Maker, and burning CDs and DVDs; the command prompt, provides commands for working with files, utilities for troubleshooting the network, and instructions on how to create your own batch files. Appendixes include information on installation, keyboard shortcuts, common filename extensions, and more. *Windows Vista in a Nutshell* is your one-stop source for everything you need from Microsoft's latest operating system.

*SQL in a Nutshell* 2004-09-24 *SQL in a Nutshell* applies the eminently useful *nutshell* format to structured query language (SQL), the elegant but complex, descriptive language that is used to create and manipulate large stores of data for SQL programmers, analysts, and database

administrators the new second edition of sql in a nutshell is the essential date language reference for the world s top sql database products sql in a nutshell is a lean focused and thoroughly comprehensive reference for those who live in a deadline driven world this invaluable desktop quick reference drills down and documents every sql command and how to use it in both commercial oracle db2 and microsoft sql server and open source implementations postgresql and mysql it describes every command and reference and includes the command syntax by vendor if the syntax differs across implementations a clear description and practical examples that illustrate important concepts and uses and it also explains how the leading commercial and open sources database product implement sql this wealth of information is packed into a succinct comprehensive and extraordinarily easy to use format that covers the sql syntax of no less than 4 different databases when you need fast accurate detailed and up to date sql information sql in a nutshell second edition will be the quick reference you ll reach for every time sql in a nutshell is small enough to keep by your keyboard and concise as well as clearly organized enough that you can look up the syntax you need quickly without having to wade through a lot of useless fluff you won t want to work on a project involving sql without it

**Deep Learning** 2017-07-28 although interest in machine learning has reached a high point lofty expectations often scuttle projects before they get very far how can machine learning especially deep neural networks make a real difference in your organization this hands on guide not only provides the most practical information available on the subject but also helps you get started building efficient deep learning networks authors adam gibson and josh patterson provide theory on deep learning before introducing their open source deeplearning4j dl4j library for developing production class workflows through real world examples you ll learn methods and strategies for training deep network architectures and running deep learning workflows on spark and hadoop with dl4j dive into machine learning concepts in general as well as deep learning in particular understand how deep networks evolved from neural network fundamentals explore the major deep network architectures including convolutional and recurrent learn how to map specific deep networks to the right problem walk through the fundamentals of tuning general neural networks and specific deep network architectures use vectorization techniques for different data types with datavec dl4j s workflow tool learn how to use dl4j natively on spark and hadoop

**Introducing Go** 2016-01-07 perfect for beginners familiar with programming basics this hands on guide provides an easy introduction to go the general purpose programming language from google author caleb doxsey covers the language s core features with step by step instructions and exercises in each chapter to help you practice what you learn go is a general purpose programming language with a clean syntax and advanced features including concurrency this book provides the one on one support you need to get started with the language with short easily digestible chapters that build on one another by the time you finish this book not only will you be able to write real go programs you ll be ready to tackle advanced techniques jump into go basics including data types variables and control structures learn complex types such as slices functions structs and interfaces explore go s core library and learn how to create your own package write tests for your code by using the language s go test program learn how to run programs concurrently with goroutines and channels get suggestions to help you master the craft of programming

**Data Science for Business** 2013-07-27 written by renowned data science experts foster provost and tom fawcett data science for business introduces the fundamental principles of data science and walks you through the data analytic thinking necessary for extracting useful

knowledge and business value from the data you collect this guide also helps you understand the many data mining techniques in use today based on an mba course provost has taught at new york university over the past ten years data science for business provides examples of real world business problems to illustrate these principles you ll not only learn how to improve communication between business stakeholders and data scientists but also how participate intelligently in your company s data science projects you ll also discover how to think data analytically and fully appreciate how data science methods can support business decision making understand how data science fits in your organization and how you can use it for competitive advantage treat data as a business asset that requires careful investment if you re to gain real value approach business problems data analytically using the data mining process to gather good data in the most appropriate way learn general concepts for actually extracting knowledge from data apply data science principles when interviewing data science job candidates

**Big Data Now: Current Perspectives from O'Reilly Radar** 2011-08-30 this collection represents the full spectrum of data related content we ve published on o reilly radar over the last year mike loukides kicked things off in june 2010 with what is data science and from there we ve pursued the various threads and themes that naturally emerged now roughly a year later we can look back over all we ve covered and identify a number of core data areas data issues the opportunities and ambiguities of the data space are evident in discussions around privacy the implications of data centric industries and the debate about the phrase data science itself the application of data products and processes a data product can emerge from virtually any domain including everything from data startups to established enterprises to media journalism to education and research data science and data tools the tools and technologies that drive data science are of course essential to this space but the varied techniques being applied are also key to understanding the big data arena the business of data take a closer look at the actions connected to data the finding organizing and analyzing that provide organizations of all sizes with the information they need to compete

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