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ZB6HFZ - TRISTIN CARDENAS

Learn how to build recommender systems from one of Amazon's pioneers in the field. Frank Kane spent over nine years at Amazon, where he managed and led the development of many of Amazon's personalized product recommendation technologies.You've seen automated recommendations everywhere - on Netflix's home page, on YouTube, and on Amazon as these machine learning algorithms learn about your unique interests, and show the best products or content for you as an individual. These technologies have become central to the largest, most prestigious tech employers out there, and by understanding how they work, you'll become very valuable to them.This book is adapted from Frank's popular online course published by Sundog Education, so you can expect lots of visual aids from its slides and a conversational, accessible tone throughout the book. The graphics and scripts from over 300 slides are included, and you'll have access to all of the source code associated with it as well.We'll cover tried and true recommendation algorithms based on neighborhood-based collaborative filtering, and work our way up to more modern techniques including matrix factorization and even deep learning with artificial neural networks. Along the way, you'll learn from Frank's extensive industry experience to understand the real-world challenges you'll encounter when applying these algorithms at large scale and with real-world data.This book is very hands-on; you'll develop your own framework for evaluating and combining many different recommendation algorithms together, and you'll even build your own neural networks using Tensorflow to generate recommendations from real-world movie ratings from real people. We'll cover: -Building a recommendation engine-Evaluating recommender systems-Content-based filtering using item attributes-Neighborhood-based collaborative filtering with user-based, item-based, and KNN CF-Model-based methods including matrix factorization and SVD-Applying deep learning, AI, and artificial neural networks to recommendations-Session-based recommendations with recursive neural networks-Scaling to massive data sets with Apache Spark machine learning, Amazon DSSTNE deep learning, and AWS SageMaker with factorization machines-Real-world challenges and solutions with recommender systems-Case studies from YouTube and Netflix-Building hybrid, ensemble recommendersThis comprehensive book takes you all the way from the early days of collaborative filtering, to bleeding-edge applications of deep neural networks and modern machine learning techniques for recommending the best items to every individual user.The coding exercises for this book use the Python programming language. We include an intro to Python if you're new to it, but you'll need some prior programming experience in order to use this book successfully. We also include a short introduction to deep learning, Tensorflow, and Keras if you are new to the field of artificial intelligence, but you'll need to be able to understand new computer algorithms.Dive in, and learn about one of the most interesting and lucrative applications of machine learning and deep learning there is!

This book teaches you how to build and maintain effective data pipelines. Youll explore the most common usage patterns, including aggregating multiple data sources, connecting to and from data lakes, and cloud deployment. --

Learn how to use, deploy, and maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break down Spark topics into distinct sections, each with unique goals. Youâ??ll explore the basic operations and common functions of Sparkâ??s structured APIs, as well as Structured Streaming, a new high-level API for building end-to-end streaming applications. Developers and system administrators will learn the fundamentals of monitoring, tuning, and debugging Spark, and explore machine learning techniques and scenarios for employing MLlib, Sparkâ??s scalable machine-learning library. Get a gentle overview of big data and Spark Learn about DataFrames, SQL, and Datasetsâ??Sparkâ??s core APIsâ??through worked examples Dive into Sparkâ??s low-level APIs, RDDs, and execution of SQL and DataFrames Understand how Spark runs on a cluster Debug, monitor, and tune Spark clusters and applications Learn the power of Structured Streaming, Sparkâ??s stream-processing engine Learn how you can apply MLlib to a variety of problems, including classification or recommendation

In American literature, domestic fictions--that is, novels focused on the home and homemaking--are linked with white, middle-class women's fiction and culture. Employing a spatial lens, Neodomestic American Fiction joins and extends other studies in redefining domestic fiction's literary history and definition. Unlike previous redefinitions and reevaluations, Neodomestic American Fiction reads domestic novels alongside feminist geography and architectural history to map the links and disjunctions among a range of authors writing during the same period as well as across centuries and cultures. Kristin Jacobson's attention to domestic geographies reveals a new space and subgenre emerge in the 1980s: neodomestic fiction. In this innovative study, Kristin Jacobson identifies over thirty novels that renovate traditional forms, therefore challenging model domesticity's conservative gender, racial, and sexual politics. Rather than produce stable single-family homes, neodomestic fictions advance a politics of instability characterized by mobility, renovation and redesign, and relational space. These "alternative" domesticities--when read in the context of neodomestic fiction--are not marginal but rather central to domesticity's configurations. Such resistance, as Iris Marion Young argues, "is integral to modern political theory and is not an alternative to it." Thus, this spatial analysis of post-1980 domestic novels does not indicate a post-feminist or post-gender world. Rather, neodomestic fiction's heterogeneous, unstable spaces offer opportunities to examine contemporary hierarchies and experiment with more egalitarian homemaking. These fictions include Toni Morrison's Paradise, Barbara Kingsolver's The Poisonwood Bible, Leslie Marmon Silko's Gardens in the Dunes, and Chang-rae Lee's A Gesture Life.

This book introduces Apache Spark, the open source cluster computing system that makes data analytics fast to write and fast to run. You'll learn how

to express parallel jobs with just a few lines of code, and cover applications from simple batch jobs to stream processing and machine learning.-- "Saints, Scholars, and Schizophrenics, in its original form--now integrally reproduced in the new edition--is a most important seminal study of an Irish community."—Conor Cruise O'Brien

Winner of the ARSC's Award for Best Research (History) in Folk, Ethnic, or World Music (2008) When Jamaican recording engineers Osbourne "King Tubby" Ruddock, Errol Thompson, and Lee "Scratch" Perry began crafting "dub" music in the early 1970s, they were initiating a musical revolution that continues to have worldwide influence. Dub is a sub-genre of Jamaican reggae that flourished during reggae's "golden age" of the late 1960s through the early 1980s. Dub involves remixing existing recordings—electronically improvising sound effects and altering vocal tracks—to create its unique sound. Just as hip-hop turned phonograph turntables into musical instruments, dub turned the mixing and sound processing technologies of the recording studio into instruments of composition and real-time improvisation. In addition to chronicling dub's development and offering the first thorough analysis of the music itself, author Michael Veal examines dub's social significance in Jamaican culture. He further explores the "dub revolution" that has crossed musical and cultural boundaries for over thirty years, influencing a wide variety of musical genres around the globe. Ebook Edition Note: Seven of the 25 illustrations have been redacted.

Data is bigger, arrives faster, and comes in a variety of formats—and it all needs to be processed at scale for analytics or machine learning. But how can you process such varied workloads efficiently? Enter Apache Spark. Updated to include Spark 3.0, this second edition shows data engineers and data scientists why structure and unification in Spark matters. Specifically, this book explains how to perform simple and complex data analytics and employ machine learning algorithms. Through step-by-step walk-throughs, code snippets, and notebooks, you'll be able to: Learn Python, SQL, Scala, or Java high-level Structured APIs Understand Spark operations and SQL Engine Inspect, tune, and debug Spark operations with Spark configurations and Spark UI Connect to data sources: JSON, Parquet, CSV, Avro, ORC, Hive, S3, or Kafka Perform analytics on batch and streaming data using Structured Streaming Build reliable data pipelines with open source Delta Lake and Spark Develop machine learning pipelines with MLlib and productionize models using MLflow

Anthropology in today's world. Through clear writing, a balanced theoretical approach, and engaging examples, Cultural Anthropology stresses the importance of social inequality and human rights, the environment, culture change and applied aspects of anthropology. Rich examples of gender, ethnicity, race, class, and age thread through the topical coverage of economic systems, the life-cycle, health, kinship, social organization, politics, language, religion, and expressive culture. In addition, the last two chapters address how migration is changing world cultures and how the importance of local cultural values and needs are shaping international development policies and programs. Note: MyAnthroLab does not come automatically packaged with this text. To purchase MyAnthroLab, please visit: www.myanthrolab.com or you can purchase a valuepack of the text + MyAnthroLab (at no additional cost): ValuePack ISBN-10: 0205949509 / ValuePack ISBN-13: 9780205949502

Harness the power of PolyBase data virtualization software to make data from a variety of sources easily accessible through SQL queries while using the T-SQL skills you already know and have mastered. PolyBase Revealed shows you how to use the PolyBase feature of SQL Server 2019 to integrate SQL Server with Azure Blob Storage, Apache Hadoop, other SQL Server instances, Oracle, Cosmos DB, Apache Spark, and more. You will learn how PolyBase can help you reduce storage and other costs by avoiding the need for ETL processes that duplicate data in order to make it accessible from one source. PolyBase makes SQL Server into that one source, and T-SQL is your golden ticket. The book also covers PolyBase scale-out clusters, allowing you to distribute PolyBase queries among several SQL Server instances, thus improving performance. With great flexibility comes great complexity, and this book shows you where to look when queries fail, complete with coverage of internals, troubleshooting techniques, and where to find more information on obscure cross-platform errors. Data virtualization is a key target for Microsoft with SQL Server 2019. This book will help you keep your skills current, remain relevant, and build new business and career opportunities around Microsoft's product direction. What You Will LearnInstall and configure PolyBase as a stand-alone service, or unlock its capabilities with a scale-out cluster Understand how PolyBase interacts with outside data sources while presenting their data as regular SQL Server tables Write queries combining data from SQL Server, Apache Hadoop, Oracle, Cosmos DB, Apache Spark, and more Troubleshoot PolyBase queries using SQL Server Dynamic Management Views Tune PolyBase queries using statistics and execution plans Solve common business problems, including "cold storage" of infrequently accessed data and simplifying ETL jobs Who This Book Is For SQL Server developers working in multi-platform environments who want one easy way of communicating with, and collecting data from, all of these sources

The XXX Filmography, 1968-1988 features more than 3,000 A to Z entries, covering the historic, artistic, and technical aspects of adult cinema from those years, including 35mm features, 16mm storefront features, and 8mm loops. It provides director, producer, cast, screenwriter, cinematographer, and composer listings, with a detailed synopsis for each film. Production company credits, release dates and running times are also given. A DVD appendix lists all titles currently available on DVD, and complete cast and director indexes make this work the most comprehensive guide to Golden Age triple-X films ever published.

Contains highlights of an American College of Neuropsychopharmacology conference on new directions in the development of atypical and other novel antipsychotic drugs. Presents new theories and preclinical and clinical data on various drugs and classes of drugs including amperozide and other

drugs.

Bowser the Hound, outsmarted so often by Old Man Coyote, is taken advantage of once again when the coyote leads him on a long chase that ends far from the canine's home.

In additionto covering thoroughly the core areas of physical organic chemistry -structure and mechanism - this book will escort the practitioner of organic chemistry into a field that has been thoroughlyupdated.

Frank Kane's hands-on Spark training course, based on his bestselling Taming Big Data with Apache Spark and Python video, now available in a book. Understand and analyze large data sets using Spark on a single system or on a cluster. About This Book Understand how Spark can be distributed across computing clusters Develop and run Spark jobs efficiently using Python A hands-on tutorial by Frank Kane with over 15 real-world examples teaching you Big Data processing with Spark Who This Book Is For If you are a data scientist or data analyst who wants to learn Big Data processing using Apache Spark and Python, this book is for you. If you have some programming experience in Python, and want to learn how to process large amounts of data using Apache Spark, Frank Kane's Taming Big Data with Apache Spark and Python will also help you. What You Will Learn Find out how you can identify Big Data problems as Spark problems Install and run Apache Spark on your computer or on a cluster Analyze large data sets across many CPUs using Spark's Resilient Distributed Datasets Implement machine learning on Spark using the MLlib library Process continuous streams of data in real time using the Spark streaming module Perform complex network analysis using Spark's GraphX library Use Amazon's Elastic MapReduce service to run your Spark jobs on a cluster In Detail Frank Kane's Taming Big Data with Apache Spark and Python is your companion to learning Apache Spark in a hands-on manner. Frank will start you off by teaching you how to set up Spark on a single system or on a cluster, and you'll soon move on to analyzing large data sets using Spark RDD, and developing and running effective Spark jobs quickly using Python. Apache Spark has emerged as the next big thing in the Big Data domain – quickly rising from an ascending technology to an established superstar in just a matter of years. Spark allows you to quickly extract actionable insights from large amounts of data, on a real-time basis, making it an essential tool in many modern businesses. Frank has packed this book with over 15 interactive, fun-filled examples relevant to the real world, and he will empower you to understand the Spark ecosystem and implement production-grade real-time Spark projects with ease. Style and approach Frank Kane's Taming Big Data with Apache Spark and Python is a hands-on tutorial with over 15 real-world examples carefully explained by Frank in a step-by-step manner. The examples vary in complexity, and you can move through them at your own pace.

NEW YORK TIMES BESTSELLER • "A fascinating look at how consumers perceive logos, ads, commercials, brands, and products."—Time How much do we know about why we buy? What truly influences our decisions in today's message-cluttered world? In Buyology, Martin Lindstrom presents the astonishing findings from his groundbreaking three-year, seven-million-dollar neuromarketing study—a cutting-edge experiment that peered inside the brains of 2,000 volunteers from all around the world as they encountered various ads, logos, commercials, brands, and products. His startling results shatter much of what we have long believed about what captures our interest—and drives us to buy. Among the questions he explores: • Does sex actually sell? • Does subliminal advertising still surround us? • Can "cool" brands trigger our mating instincts? • Can our other senses—smell, touch, and sound—be aroused when we see a product? Buyology is a fascinating and shocking journey into the mind of today's consumer that will captivate anyone who's been seduced—or turned off—by marketers' relentless attempts to win our loyalty, our money, and our minds.

A comprehensive guide to advanced deep learning techniques, including Autoencoders, GANs, VAEs, and Deep Reinforcement Learning, that drive today's most impressive AI results Key FeaturesExplore the most advanced deep learning techniques that drive modern AI resultsImplement Deep Neural Networks, Autoencoders, GANs, VAEs, and Deep Reinforcement LearningA wide study of GANs, including Improved GANs, Cross-Domain GANs and Disentangled Representation GANsBook Description Recent developments in deep learning, including GANs, Variational Autoencoders, and Deep Reinforcement Learning, are creating impressive AI results in our news headlines - such as AlphaGo Zero beating world chess champions, and generative AI that can create art paintings that sell for over $400k because they are so human-like. Advanced Deep Learning with Keras is a comprehensive guide to the advanced deep learning techniques available today, so you can create your own cutting-edge AI. Using Keras as an open-source deep learning library, you'll find hands-on projects throughout that show you how to create more effective AI with the latest techniques. The journey begins with an overview of MLPs, CNNs, and RNNs, which are the building blocks for the more advanced techniques in the book. You'll learn how to implement deep learning models with Keras and Tensorflow, and move forwards to advanced techniques, as you explore deep neural network architectures, including ResNet and DenseNet, and how to create Autoencoders. You then learn all about Generative Adversarial Networks (GANs), and how they can open new levels of AI performance. Variational AutoEncoders (VAEs) are implemented, and you'll see how GANs and VAEs have the generative power to synthesize data that can be extremely convincing to humans - a major stride forward for modern AI. To complete this set of advanced techniques, you'll learn how to implement Deep Reinforcement Learning (DRL) such as Deep Q-Learning and Policy Gradient Methods, which are critical to many modern results in AI. What you will learnCutting-edge techniques in human-like AI performanceImplement advanced deep learning models using KerasThe building blocks for advanced techniques - MLPs, CNNs, and RNNsDeep neural networks – ResNet and DenseNetAutoencoders and Variational AutoEncoders (VAEs)Generative Adversarial Networks (GANs) and creative AI techniquesDisentangled Representation GANs, and Cross-Domain GANsDeep Reinforcement Learning (DRL) methods and implementationProduce industry-standard applications using OpenAI gymDeep Q-Learning and Policy Gradient MethodsWho this book is for Some fluency with Python is assumed. As an advanced book, you'll be familiar with some machine learning approaches, and some practical experience with DL will be helpful. Knowledge of Keras or TensorFlow is not required but would be helpful.

Combine the power of Apache Spark and Python to build effective big data applications Key Features Perform effective data processing, machine learning, and analytics using PySpark Overcome challenges in developing and deploying Spark solutions using Python Explore recipes for efficiently combining Python and Apache Spark to process data Book Description Apache Spark is an open source framework for efficient cluster computing with a strong interface for data parallelism and fault tolerance. The PySpark Cookbook presents effective and time-saving recipes for leveraging the power of Python and putting it to use in the Spark ecosystem. You'll start by learning the Apache Spark architecture and how to set up a Python environment for Spark. You'll then get familiar with the modules available in PySpark and start using them effortlessly. In addition to this, you'll discover how to abstract data with RDDs and DataFrames, and understand the streaming capabilities of PySpark. You'll then move on to using ML and MLlib in order to solve any problems related to the machine learning capabilities of PySpark and use GraphFrames to solve graph-processing problems. Finally, you will explore how to deploy your applications to the cloud using the spark-submit command. By the end of this book, you will be able to use the Python API for Apache Spark to solve any problems associated with building data-intensive applications. What you will learn Configure a local instance of PySpark in a virtual environment Install and configure Jupyter in local and multi-node environments Create DataFrames from JSON and a dictionary using pyspark.sql Explore regression and clustering models available in the ML module Use DataFrames to transform data used for modeling Connect to PubNub and perform aggregations on streams Who this book is for The PySpark Cookbook is for you if you are a Python developer looking for hands-on recipes for using the Apache Spark 2.x ecosystem in the best possible way. A thorough understanding of Python (and some familiarity with Spark) will help you get the best out of the book.

Dark. Powerful. Dangerous James Maxwell is one of the billionaire elites who rules Las Vegas City with an iron fist. This is his story. My name is Mia Donovan, a twenty-two-year-old, small-town girl who has signed a contract with the billionaire in exchange for my brother's freedom and protection. My world has changed—both for better and worse. James Maxwell is the man behind this. I'm fascinated, mesmerized by this charm that binds me to him, entrapping me in his embrace. I've fallen in love with him, which hurts because it is unrequited. What's worse, my life is at risk because I'm too close to the powerful man who has too many enemies. And so our story continues... Entwined with You contains Chained to You: Volumes 3 & 4 of the Chained to You serial. Vegas Billionaires Series: 1 - Chained to You [James and Mia Book 1] 2 - Entwined with You [James and Mia Book 2] 3 - Loved by You [James and Mia Book 3] 4 - Chained by Love [William and Savannah] Keywords: romance ebook, sexy romance, steamy contemporary romance, steamy romance, steamy billionaire romance, sexy billionaire romance

Of all the writing that emerged from the existentialist movement, Simone de Beauvoir's groundbreaking study of women will probably have the most extensive and enduring impact. It is at once a work of anthropology and sociology, of biology and psychoanalysis, from the pen of a writer and novelist of pennetrating imaginative power.THE SECOND SEX stands, five decades after its first appearance, as the first landmark in the modern feminist upsurge that has transformed perceptions of the social relationship of man and womankind in our time

Before you can build analytics tools to gain quick insights, you first need to know how to process data in real time. With this practical guide, developers familiar with Apache Spark will learn how to put this in-memory framework to use for streaming data. You'll discover how Spark enables you to write streaming jobs in almost the same way you write batch jobs. Authors Gerard Maas and François Garillot help you explore the theoretical underpinnings of Apache Spark. This comprehensive guide features two sections that compare and contrast the streaming APIs Spark now supports: the original Spark Streaming library and the newer Structured Streaming API. Learn fundamental stream processing concepts and examine different streaming architectures Explore Structured Streaming through practical examples; learn different aspects of stream processing in detail Create and operate streaming jobs and applications with Spark Streaming; integrate Spark Streaming with other Spark APIs Learn advanced Spark Streaming techniques, including approximation algorithms and machine learning algorithms Compare Apache Spark to other stream processing projects, including Apache Storm, Apache Flink, and Apache Kafka Streams

Changing preferencesis a phenomenonoften invoked but rarely properlyaccounted for. Throughout the history of the social sciences, researchers have come against the possibility that their subjects' preferenceswere affected by the phenomenato be explainedor by otherfactorsnot taken into accountin the explanation.Sporadically, attempts have been made to systematically investigate these in uences, but none of these seems to have had a lasting impact. Today we are still not much further with respect to preference change than we were at the middle of the last century. This anthology hopes to provide a new impulse for research into this important subject. In particular, we have chosen two routes to amplify this impulse. First, we stress the use of modellingtechniquesfamiliar from economicsand decision theory. Instead of constructing complex, all-encompassing theories of preference change, the authors of this volume start with very simple, formal accounts of some possible and hopefully plausible mechanism of preference change. Eventually, these models may nd their way into larger, empirically adequate theories, but at this stage, we think that the most importantwork lies in building structure.Secondly,we stress the importance of interdisciplinary exchange. Only by drawing together experts from different elds can the complex empirical and theoretical issues in the modelling of preference change be adequately investigated.

Quickly find solutions to common programming problems encountered while processing big data. Content is presented in the popular problem-solution format. Look up the programming problem that you want to solve. Read the solution. Apply the solution directly in your own code. Problem solved! PySpark Recipes covers Hadoop and its shortcomings. The architecture of Spark, PySpark, and RDD are presented. You will learn to apply RDD to solve day-to-day big data problems. Python and NumPy are included and make it easy for new learners of PySpark to understand and adopt the model. What You Will Learn Understand the advanced features of PySpark2 and SparkSQL Optimize your code Program SparkSQL with Python Use Spark Streaming and Spark MLlib with Python Perform graph analysis with GraphFrames Who This Book Is For Data analysts, Python programmers, big data enthusiasts

The book presents a basis for the interaction of the brain and nervous system with painting, music and literature, and a discussion of art from multiple facets – such as anatomy, migraine, illusion and evolutionary biology. The book explores several aspects of the neurobiology of painting, including evolutionary neurobiology, sensation vs. perception, the visual brain and how the mind works, and also explores the affects of brain disorders and trauma on artist, with a concluding chapter on Frida Kahlo and the spinal cord injury that influenced her painting.

An introduction to issues of sexual consent, covering key strands of feminist thought, how sexual consent is negotiated in practice, the influence of popular culture, and more. The #MeToo movement has focused public attention on the issue of sexual consent. People of all genders, from all walks of life, have stepped forward to tell their stories of sexual harassment and violation. In a predictable backlash, others have taken to mass media to inquire plaintively if "flirting" is now forbidden. This volume in the MIT Press Essential Knowledge series offers a nuanced introduction to sexual consent by a writer who is both a scholar and an activist on this issue. It has become clear from discussions of the recent high-profile cases of Harvey Wein-

stein, Bill Cosby, and others that there is no clear agreement over what constitutes consent or non-consent and how they are expressed and perceived in sexual situations. This book presents key strands of feminist thought on the subject of sexual consent from across academic and activist communities and covers the history of research on consent in such fields as psychology and feminist legal studies. It discusses how sexual consent is negotiated in practice, from "No means no" to "Yes means yes," and describes what factors might limit individual agency in such negotiations. It examines how popular culture, including pornography, romance fiction, and sex advice manuals, shapes our ideas of consent; explores the communities at the forefront of consent activism; and considers what meaningful social change in this area might look like. Going beyond the conventional cisgender, heterosexual norm, the book lists additional resources for those seeking to improve their practice of consent, survivors of sexual violence, and readers who want to understand contemporary debates on this issue in more depth.

Success isn't about what you know. It's about how you think. Building a great career and an enriching life isn't rocket science. It's about understanding more clearly, thinking more creatively, and planning more effectively. This guide to productive thinking will help you do exactly that. Whether you need to solve business problems, create new opportunities, or improve your personal life, Think Better offers the principles and tools you need. Author Tim Hurson takes you through the critical steps you need to: • Commit to Change: Discover how what's working often blinds us to what's possible. Recognize that every frustration is an opportunity in disguise. Imagine a future of creative possibilities. • Integrate the Principles of Productive Thinking: Don't just think outside the box. Recognize that for productive thinkers there is no box. Unlock the creative ideas in the "third third" of your consciousness—ideas that are always there, but often hovering just out of reach. • Take Active Steps to Focus on and Solve Problems: Use the thinking tools in this book to make the unexpected connections that are at the heart of all creative ideas and implementable solutions. It's a myth that people are either born productive thinkers or not. Productive thinking is a skill that can be taught, learned, practiced, and mastered—by anyone. Thinking better leads to doing better, and ultimately to being better—in business and in life. With productive thinking, you can take on challenges in ways you never dreamed possible.

Despite the recent turn to affects and emotions in the humanities and despite the unceasing popularity of romantic and erotic love as a motif in fictional works of all genres, the subject has received surprisingly little attention in academic studies of contemporary drama. Love in Contemporary British Drama reflects the appeal of love as a topic and driving force in dramatic works with in-depth analyses of eight pivotal plays from the past three decades. Following an interdisciplinary and historical approach, the study collects and condenses theories of love from philosophy and sociology to derive persisting discourses and to examine their reoccurrence and transformation in contemporary plays. Special emphasis is put on narratives of love's compensatory function and precariousness and on how modifications of these narratives epitomise the peculiarities of emotional life in the social and cultural context of the present. Based on the assumption that drama is especially inclined to draw on shared narratives for representations of love, the book demonstrates that love is both a window to remnants of the past in the present and a proper subject matter for drama in times in which the suitability of the dramatic form has been questioned.

Build data-intensive applications locally and deploy at scale using the combined powers of Python and Spark 2.0 About This Book Learn why and how you can efficiently use Python to process data and build machine learning models in Apache Spark 2.0 Develop and deploy efficient, scalable real-time Spark solutions Take your understanding of using Spark with Python to the next level with this jump start guide Who This Book Is For If you are a Python developer who wants to learn about the Apache Spark 2.0 ecosystem, this book is for you. A firm understanding of Python is expected to get the best out of the book. Familiarity with Spark would be useful, but is not mandatory. What You Will Learn Learn about Apache Spark and the Spark 2.0 architecture Build and interact with Spark DataFrames using Spark SQL Learn how to solve graph and deep learning problems using GraphFrames and TensorFrames respectively Read, transform, and understand data and use it to train machine learning models Build machine learning models with MLlib and ML Learn how to submit your applications programmatically using spark-submit Deploy locally built applications to a cluster In Detail Apache Spark is an open source framework for efficient cluster computing with a strong interface for data parallelism and fault tolerance. This book will show you how to leverage the power of Python and put it to use in the Spark ecosystem. You will start by getting a firm understanding of the Spark 2.0 architecture and how to set up a Python environment for Spark. You will get familiar with the modules available in PySpark. You will learn how to abstract data with RDDs and DataFrames and understand the streaming capabilities of PySpark. Also, you will get a thorough overview of machine learning capabilities of PySpark using ML and MLlib, graph processing using GraphFrames, and polyglot persistence using Blaze. Finally, you will learn how to deploy your applications to the cloud using the spark-submit command. By the end of this book, you will have established a firm understanding of the Spark Python API and how it can be used to build data-intensive applications. Style and approach This book takes a very comprehensive, step-by-step approach so you understand how the Spark ecosystem can be used with Python to develop efficient, scalable solutions. Every chapter is standalone and written in a very easy-to-understand manner, with a focus on both the hows and the whys of each concept.

This book examines Hittite religion from a historical point of view, stressing two basically different stages in its development. The Old Hittite pantheon of the capital Hattu'a maintains the indigenous religious tradition of the Hattians without any trace of Mesopotamian, Hurrian or Syrian influence, although Hittite and Luwian deities were worshiped in the family and house cults. The Hittite religion of the Empire period has been examined from a new viewpoint. At the time there were two offi cial pantheons in the state and the dynastic cult respectively. The former is an amalgam of Hattian, Hittite, Luwian, Hurrian, Syrian and Mesopotamian deities organized on a geographical principle, whereas the latter is purely Hurrian, refl ecting the religious beliefs of the new royal family of Kizzuwatnan origin that also infl uenced local pantheons of central and northern Anatolia. Through the Hurrians, Mesopotamian and Syrian cults were adopted. Simultaneously, many aspects of the Luwian religious tradition were absorbed into both the state and local cults.

A completely updated, revised edition of the classic, outfitted with a whole new arsenal of indispensable knowledge on global affairs, popular culture, economic trends, scientific principles, and modern arts. Here's your chance to brush up on all those subjects you slept through in school, reacquaint yourself with all the facts you once knew (then promptly forgot), catch up on major developments in the world today, and become the Renaissance man or woman you always knew you could be! How do you tell the Balkans from the Caucasus? What's the difference between fission and fusion? Whigs and Tories? Shiites and Sunnis? Deduction and induction? Why aren't all Shakespearean comedies necessarily thigh-slappers? What are trans-

cendental numbers and what are they good for? What really happened in Plato's cave? Is postmodernism dead or just having a bad hair day? And for extra credit, when should you use the adjective continual and when should you use continuous? An Incomplete Education answers these and thousands of other questions with incomparable wit, style, and clarity. American Studies, Art History, Economics, Film, Literature, Music, Philosophy, Political Science, Psychology, Religion, Science, and World History: Here's the bottom line on each of these major disciplines, distilled to its essence and served up with consummate flair. In this revised edition you'll find a vitally expanded treatment of international issues, reflecting the seismic geopolitical upheavals of the past decade, from economic free-fall in South America to Central Africa's world war, and from violent radicalization in the Muslim world to the crucial trade agreements that are defining globalization for the twenty-first century. And don't forget to read the section "A Nervous American's Guide to Living and Loving on Five Continents" before you answer a personal ad in the International Herald Tribune. As delightful as it is illuminating, An Incomplete Education packs ten thousand years of culture into a single superbly readable volume. This is a book to celebrate, to share, to give and receive, to pore over and browse through, and to return to again and again.

Gain the key language concepts and programming techniques of Scala in the context of big data analytics and Apache Spark. The book begins by introducing you to Scala and establishes a firm contextual understanding of why you should learn this language, how it stands in comparison to Java, and how Scala is related to Apache Spark for big data analytics. Next, you'll set up the Scala environment ready for examining your first Scala programs. This is followed by sections on Scala fundamentals including mutable/immutable variables, the type hierarchy system, control flow expressions and code blocks. The author discusses functions at length and highlights a number of associated concepts such as functional programming and anonymous functions. The book then delves deeper into Scala's powerful collections system because many of Apache Spark's APIs bear a strong resemblance to Scala collections. Along the way you'll see the development life cycle of a Scala program. This involves compiling and building programs using the industry-standard Scala Build Tool (SBT). You'll cover guidelines related to dependency management using SBT as this is critical for building large Apache Spark applications. Scala Programming for Big Data Analytics concludes by demonstrating how you can make use of the concepts to write programs that run on the Apache Spark framework. These programs will provide distributed and parallel computing, which is critical for big data analytics. What You Will LearnSee the fundamentals of Scala as a general-purpose programming languageUnderstand functional programming and object-oriented programming constructs in ScalaUse Scala collections and functions Develop, package and run Apache Spark applications for big data analyticsWho This Book Is For Data scientists, data analysts and data engineers who intend to use Apache Spark for large-scale analytics. /div

In this newly revised and updated 2nd edition of Voices of Early Modern Japan, Constantine Nomikos Vaporis offers an accessible collection of annotated historical documents of an extraordinary period in Japanese history, ranging from the unification of warring states under Tokugawa Ieyasu in the early seventeenth century to the overthrow of the shogunate just after the opening of Japan by the West in the mid- nineteenth century. Through close examination of primary sources from "The Great Peace," this fascinating textbook offers fresh insights into the Tokugawa era: its political institutions, rigid class hierarchy, artistic and material culture, religious life, and more, demonstrating what historians can uncover from the words of ordinary people. New features include: • An expanded section on religion, morality and ethics; • A new selection of maps and visual documents; • Sources from government documents and household records to diaries and personal correspondence, translated and examined in light of the latest scholarship; • Updated references for student projects and research assignments. The first edition of Voices of Early Modern Japan was the winner of the 2013 Franklin R. Buchanan Prize for Curricular Materials. This fully revised textbook will prove a comprehensive resource for teachers and students of East Asian Studies, history, culture, and anthropology.

"Like man, woman is a human being." When The Second Sex was first published in Paris in 1949—groundbreaking, risqué, brilliantly written and strikingly modern—it provoked both outrage and inspiration. The Independent Woman contains three key chapters of Beauvoir's masterwork, which illuminate the feminine condition and identify practical social reforms for gender equality. It captures the essence of the spirited manifesto that switched on light bulbs in the heads of a generation of women and continues to exert profound influence on feminists today.

A concise guide to implementing Spark Big Data analytics for Python developers, and building a real-time and insightful trend tracker data intensive appAbout This Book• Set up real-time streaming and batch data intensive infrastructure using Spark and Python• Deliver insightful visualizations in a web app using Spark (PySpark)• Inject live data using Spark Streaming with real-time eventsWho This Book Is ForThis book is for data scientists and software developers with a focus on Python who want to work with the Spark engine, and it will also benefit Enterprise Architects. All you need to have is a good background of Python and an inclination to work with Spark.What You Will Learn• Create a Python development environment powered by Spark (PySpark), Blaze, and Bookeh• Build a real-time trend tracker data intensive app• Visualize the trends and insights gained from data using Bookeh• Generate insights from data using machine learning through Spark MLLIB• Juggle with data using Blaze• Create training data sets and train the Machine Learning models• Test the machine learning models on test datasets• Deploy the machine learning algorithms and models and scale it for real-time eventsIn DetailLooking for a cluster computing system that provides high-level APIs? Apache Spark is your answer—an open source, fast, and general purpose cluster computing system. Spark's multi-stage memory primitives provide performance up to 100 times faster than Hadoop, and it is also well-suited for machine learning algorithms.Are you a Python developer inclined to work with Spark engine? If so, this book will be your companion as you create data-intensive app using Spark as a processing engine, Python visualization libraries, and web frameworks such as Flask.To begin with, you will learn the most effective way to install the Python development environment powered by Spark, Blaze, and Bookeh. You will then find out how to connect with data stores such as MySQL, MongoDB, Cassandra, and Hadoop.You'll expand your skills throughout, getting familiarized with the various data sources (Github, Twitter, Meetup, and Blogs), their data structures, and solutions to effectively tackle complexities. You'll explore datasets using iPython Notebook and will discover how to optimize the data models and pipeline. Finally, you'll get to know how to create training datasets and train the machine learning models.By the end of the book, you will have created a real-time and insightful trend tracker data-intensive app with Spark.Style and approach This is a comprehensive guide packed with easy-to-follow examples that will take your skills to the next level and will get you up and running with Spark.

Solve Data Analytics Problems with Spark, PySpark, and Related Open Source Tools Spark is at the heart of today's Big Data revolution, helping data professionals supercharge efficiency and performance in a wide range of data processing and analytics tasks. In this guide, Big Data expert Jeffrey

Aven covers all you need to know to leverage Spark, together with its extensions, subprojects, and wider ecosystem. Aven combines a language-agnostic introduction to foundational Spark concepts with extensive programming examples utilizing the popular and intuitive PySpark development environment. This guide's focus on Python makes it widely accessible to large audiences of data professionals, analysts, and developers—even those with little Hadoop or Spark experience. Aven's broad coverage ranges from basic to advanced Spark programming, and Spark SQL to machine learning. You'll learn how to efficiently manage all forms of data with Spark: streaming, structured, semi-structured, and unstructured. Throughout, concise topic overviews quickly get you up to speed, and extensive hands-on exercises prepare you to solve real problems. Coverage includes: • Understand Spark's evolving role in the Big Data and Hadoop ecosystems • Create Spark clusters using various deployment modes • Control and optimize the operation of Spark clusters and applications • Master Spark Core RDD API programming techniques • Extend, accelerate, and optimize Spark routines with advanced API platform constructs, including shared variables, RDD storage, and partitioning • Efficiently integrate Spark with both SQL and non-relational data stores • Perform stream processing and messaging with Spark Streaming and Apache Kafka • Implement predictive modeling with SparkR and Spark MLlib

This book is an in-depth analysis of three of the most crucial years in twentieth-century Italian history, the years 1943-46. After more than two decades of a Fascist regime and a disastrous war experience during which Italy changed sides, these years saw the laying of the political and cultural foundations for what has since become known as Italy's First Republic. Drawing on texts from the literature, film, journalism, and political debate of the period, Antifascisms offers a thorough survey of the personalities and positions that informed the decisions taken in this crucial phase of modern Italian history.

An overview of English as it is spoken in the Northern dialect regions of Ireland.