Big Data For Chimps A Guide To Massive Scale Data Processing In Practice

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Big Data For Chimps A Guide To Massive Scale Data Processing In Practice ***2024-07-10***

HOLLAND JAMARCUS

The Chimp Who Would Be Human "O'Reilly Media, Inc." Since its inception, paleoanthropology has been closely wedded to the idea that big-game hunting by our hominin ancestors arose, first and foremost, as a means for acquiring energy and vital nutrients. This assumption has rarely been questioned, and seems intuitively obvious—meat is a nutrient-rich food with the ideal array of amino acids, and big animals provide meat in large, convenient packages. Through new research, the author of this volume provides a strong argument that the primary goals of big-game hunting were actually social and political—increasing hunter's prestige and standing—and that the nutritional component was just an added bonus. Through a comprehensive, interdisciplinary research approach, the author examines the historical and current perceptions of protein as an important nutrient source, the biological impact of a high-protein diet and the evidence of this in the archaeological record, and provides a compelling reexamination of this long-held conclusion. This volume will be of interest to researchers in Archaeology, Evolutionary Biology, and Paleoanthropology, particularly those studying diet and nutrition.

On and Off the Road in Africa Head of Zeus Ltd
Making Coding and Machine Learning Fun: Use Your Evolutionary History to Your Advantage, Learn All About AI & Have a Blast Doing So! Would you like to explore the exciting world of AI and machine learning without boring examples? What if I said you can learn and master these subjects and laugh at the same time? What if I told you that you evolved to code? Stone Age Code illustrates the evolution of improbable data scientists. Shane Neeley, the author of this exceptional book, shows the easiest and funniest approach to learning to code. Praise for Stone Age Code: "The book is simply brilliant and genuine, so friendly and stimulating!" — Emiliano Bruner, Ph.D., Hominid Paleoneurology Researcher, Centro Nacional de Investigación sobre la Evolución Humana (Spain) "A charming, informative, and thought-provoking read." — Adam Cornford, poet, journalist, and a great-great-grandson of Charles Darwin. "My overall impression as a lifelong professor of literature is that this book is engaging, humorous, thought-provoking, creatively written, and artistically inspired." — Alwin Baum, Ph.D., Professor of Literature, California State University Throughout this book, you will gain an understanding of deep learning with neural nets, natural language generation, and AI art. But don't worry; as technical as it may sound, Shane Neeley delivers these complex topics in an entertaining manner. Contrary to popular belief, you can code even if you're bad at math. Containing no equations or code, this book still teaches machine learning literacy, and in an amusing way. Now's your chance to become an AI forefather to future generations. Or just become inspired to build a funny robot that says strange things! Computational creativity and humor is here and fun to play with. Here's a small preview into chapters of this unique book: Chapter 1: A Greater Ape Approaches Chapter 2: Natural Language Selection Chapter 4: How to Rear Machines (Part 1) Chapter 6: You Don't Need Permission Chapter 10: Computational Creativity and the AI's Audience Chapter 13: First Deployment Chapter 14: Monkey Business Strategy Chapter 15: Being an AI's Dad And much more! (20 chapters and 18 robot-written excerpts in total) Fake Praise for Stone Age Code, written by AI: "Shane Neeley, data scientist, biologist, and bestselling author of High Frequency and Data Density, answers each and every AI question you've ever asked." — Acclaim-Writing-Robot "Book of the year (so far)." — Acclaim-Writing-Robot "Read it, laugh at it, and move on." — Acclaim-Writing-Robot Scroll up, click on "Buy", and Get Your Copy Now!
Yearbook of Pediatric Endocrinology 2006 University of Georgia Press
Dan Lieberman has written an innovative, exhaustively researched and carefully argued book dealing with the evolution of the human head. In it he addresses three interrelated questions. First, why does the human head look the way it does? Second, why did these transformations occur? And third, how is something as complex and vital as the head so variable and evolvable? This book addresses these questions in three sections. The first set of chapters review how human and ape heads grow, both in terms of individual parts (organs and regions) and as an integrated whole. The second section reviews how the head performs its major functions: housing the brain, chewing, swallowing, breathing, vocalizing, thermoregulating, seeing, hearing, tasting, smelling, and balancing during locomotion. The final set of chapters review the fossil evidence for major transformations of the head during human evolution from the divergence of the human and ape lineages through the origins of Homo sapiens. These chapters use developmental and functional insights from the first two sections to speculate on the developmental and selective bases for these transformations.
Protein, Fat, or Politics? Harvard University Press
Every year, perhaps even every week, there is some new gadget, device, service, or other digital offering intended to make our lives easier, better, more fun, or more instantaneous--making it that much harder to question how anything digital can be bad for us. Digital has created some wonderful things and we can hardly imagine life without them. But digital—the most relentless social

and economic juggernaut humanity has unleashed in centuries—is also destroying much we had taken for granted. And what is your place in this brave new world? In Digital Is Destroying Everything, futurist and digital marketing consultant Andrew Edwards tours the “blasted heath” digital is leaving behind and takes a fearless look at the troubled landscape that may lie ahead. The book is not, despite its title, a dystopian rant against all things digital and technological. Instead, expect to find a lively investigation into the ways digital has opened us to new and sometimes quite wonderful experiences, driven down costs for consumers, and given information a chance to be free. But the book also takes a clear-eyed look at many of the good (and sometimes bad) things—businesses and behaviors—digital has destroyed, and how the world may be diminished, compromised, and altered forever in its wake. This tour of the effects of digital technologies on our lives is sure to raise questions, touch a nerve, and enlighten even the most dedicated digital enthusiasts. Digital has created some wonderful things and we can hardly imagine life without them. But digital—the most relentless social and economic juggernaut humanity has unleashed in centuries—is also destroying much we had taken for granted. And what is your place in this brave new world? In Digital Is Destroying Everything, futurist and digital marketing consultant Andrew Edwards tours the “blasted heath” digital is leaving behind and takes a fearless look at the troubled landscape that may lie ahead. The book is not, despite its title, a dystopian rant against all things digital and technological. Instead, expect to find a lively investigation into the ways digital has opened us to new and sometimes quite wonderful experiences, driven down costs for consumers, and given information a chance to be free. But the book also takes a clear-eyed look at many of the good (and sometimes bad) things—businesses and behaviors—digital has destroyed, and how the world may be diminished, compromised, and altered forever in its wake. This tour of the effects of digital technologies on our lives is sure to raise questions, touch a nerve, and enlighten even the most dedicated digital enthusiasts.

Animals' Best Friends Harvard University Press

Focusing on the cutting-edge applications of AI cognitive computing from neuromorphic to quantum cognition as applied to AI business analytics, this new volume explores AI’s importance in managing cognitive processes along with ontological modeling concepts for venturing into new business frontiers. The volume presents a selection of significant new accomplishments in the areas of AI cognitive computing ranging from neurocognition perception and decision-making in the human brain—combining neurocognitive techniques and effective computing—to basic facial recognition computing models. Topics include: Agent neurocomputing techniques for facial expression recognition Computing haptic motion and ontology epistemic Characterizations of morph schemas for visual analytics Learning and perceptive computing Functional and structural neuroimaging modeling Observed links between facial recognition and affective emotional processes Interaction of cognitive and emotional processes during social decision-making Neurocognitive processing of emotional facial expressions in individuals Neurocognitive affective system for emotive robot androids Virtual reality-based affect adaptive neuromorphic computing Executive surveys indicate that cognitive adoption is very important in business strategy for success and to remain competitive. Employing cognitive-based processes provides the way to get the right information in the right hands at the right time, which is the key to winning in the digital era and to driving business value that emphasizes competitive differentiation. Several chapters of the volume address the goal of using cognitive technology to improve search capabilities, to provide personalized customer service in business and in health and wellness, and to create better workflow management. Key features: Looks at the newest frontiers on very popular AI and analytics topics Discusses new techniques for visual analytics and data filtering Shows how AI and cognitive science merges with quantum neurocognitive computing Presents ontology models with ontology preservation data filtering techniques Provides a cross-transposition on AI and digitizations for business model innovations Artificial Intelligence and Computing Logic: Cognitive Technology for AI Business Analytics is a valuable resource that informs businesses and other enterprises the value of artificial intelligence and computing logic applications.

Primates, Predators, and Human Evolution, Expanded Edition Vintage

Chimpanzees in biomedical and behavioral research constitute a national resource that has been valuable in addressing national health needs. Facilities that house chimpanzees owned and supported by the National Institutes of Health (NIH) have successfully met the research requirements of the scientific community. The captive chimpanzee population in the United States has grown substantially, particularly over the last decade. That growth is due primarily to the success of the NIH-sponsored Chimpanzee Breeding and Research Program, which achieved the birth numbers thought necessary to meet the projected needs of biomedical research. However, the expected level of use of the chimpanzee model in biomedical research did not materialize, and that has created a complex problem that threatens both the availability of chimpanzees for research in the future and the infrastructure required to ensure the well-being of captive chimpanzees used in biomedical research. Because the present system is fragmented, it is impossible to formulate an accurate overview of the size and nature of the chimpanzee population. But, if the chimpanzee is to continue to be used in biomedical research responsibly, effectively, and cost-effectively, we must be able to oversee, track, and coordinate the maintenance and use of chimpanzees and to control the size of the population. To assess the long-range situation and to develop, implement, and monitor the application of policies for the proper use and care of chimpanzees, an authoritative, centralized oversight structure is imperative. Once it is in place, it will be possible to refine and implement this report's recommendations.

Manipulative Monkeys "O'Reilly Media, Inc."

Mining big data requires a deep investment in people and time. How can you be sure you’re building the right models? With this hands-on book, you’ll learn a flexible toolset and methodology for building effective analytics applications with Hadoop. Using lightweight tools such as Python, Apache Pig, and the D3.js library, your team will create an agile environment for exploring data, starting with an example application to mine your own email inboxes. You’ll learn an iterative approach that enables you to quickly change the kind of analysis you’re doing, depending on what the data is telling you. All example code in this book is available as working Heroku apps. Create analytics applications by using the agile big data development methodology Build value from your data in a series of agile sprints, using the data-value stack Gain insight by using several data structures to extract multiple features from a single dataset Visualize data with charts, and expose different aspects through interactive reports Use

historical data to predict the future, and translate predictions into action Get feedback from users after each sprint to keep your project on track

The Winds of Will Cambridge University Press

A sweeping germ's-eye view of history from human origins to global pandemics Plagues upon the Earth is a monumental history of humans and their germs. Weaving together a grand narrative of global history with insights from cutting-edge genetics, Kyle Harper explains why humanity's uniquely dangerous disease pool is rooted deep in our evolutionary past, and why its growth is accelerated by technological progress. He shows that the story of disease is entangled with the history of slavery, colonialism, and capitalism, and reveals the enduring effects of historical plagues in patterns of wealth, health, power, and inequality. He also tells the story of humanity's escape from infectious disease—a triumph that makes life as we know it possible, yet destabilizes the environment and fosters new diseases. Panoramic in scope, Plagues upon the Earth traces the role of disease in the transition to farming, the spread of cities, the advance of transportation, and the stupendous increase in human population. Harper offers a new interpretation of humanity's path to control over infectious disease—one where rising evolutionary threats constantly push back against human progress, and where the devastating effects of modernization contribute to the great divergence between societies. The book reminds us that human health is globally interdependent—and inseparable from the well-being of the planet itself. Putting the COVID-19 pandemic in perspective, Plagues upon the Earth tells the story of how we got here as a species, and it may help us decide where we want to go.

The Mind Management Program to Help You Achieve Success, Confidence, and Happine ss "O'Reilly Media, Inc."

This guide is an ideal learning tool and reference for Apache Pig, the programming language that helps programmers describe and run large data projects on Hadoop. With Pig, they can analyze data without having to create a full-fledged application--making it easy for them to experiment with new data sets.

Almost Chimpanzee Princeton University Press

The renowned British primatologist continues the "engrossing account" of her time among the chimpanzees of Gombe, Tanzania (Publishers Weekly). In her classic, In the Shadow of Man, Jane Goodall wrote of her first ten years at Gombe. In Through a Window she continues the story, painting a more complete and vivid portrait of our closest relatives. On the shores of Lake Tanganyika, Gombe is a community where the principal residents are chimpanzees. Through Goodall's eyes we watch young Figan's relentless rise to power and old Mike's crushing defeat. We learn how one mother rears her children to succeed and another dooms hers to failure. We witness horrifying murders, touching moments of affection, joyous births, and wrenching deaths. As Goodall compellingly tells the story of this intimately intertwined community, we are shown human emotions stripped to their essence. In the mirror of chimpanzee life, we see ourselves reflected. "A humbling and exalting book . . . Ranks with the great scientific achievements of the twentieth century." —The Washington Post "[An] absolutely smashing account . . . Thrilling, affectionate, intelligent—a classic." —Kirkus Reviews, starred review

The Emergence and Evolution of Religion "O'Reilly Media, Inc."

To help you answer big data questions, this unique guide shows you how to use simple, fun, and elegant tools leveraging Apache Hadoop. You'll learn how to break problems into efficient data transformations to meet most of your analysis needs. Its developer-friendly approach works well for anyone using Hadoop, and flattens the learning curve for those working with big data for the first time. Written by Philip Kromer, founder and CTO at Infochimps, this book uses real data and real problems to illustrate patterns found across knowledge domains. It equips you with a fundamental toolkit for performing statistical summaries, text mining, spatial and time-series analysis, and light machine learning. For those working in an elastic cloud environment, you'll learn superpowers that make exploratory analytics especially efficient. Learn from detailed example programs that apply Hadoop to interesting problems in context Gain advice and best practices for efficient software development Discover how to think at scale by understanding how data must flow through the cluster to effect transformations Identify the tuning knobs that matter, and rules-of-thumb to know when they're needed

The New Chimpanzee National Academies Press

Big Data for Chimps

Plagues upon the Earth "O'Reilly Media, Inc."

"How do people who love animals translate that devotion into helping creatures who are not our pets? How do we express our care for animals when that means different things to omnivores and vegetarians-or, say, to hunters and non-hunters? Barbara J. King, a widely read expert on animal cognition and emotion, here guides readers through the difficult choices and deep rewards of turning empathy into action on behalf of animals. King discusses our relationship to animals in five different contexts: our homes, the wild, zoos, our food system, and research facilities such as biomedical laboratories. She offers a host of ways in which each of us can be better, and do better, for animals. Acting to improve animals' lives can, she shows, immeasurably enrich our own. True, there is also heartache and the risk of burnout from endlessness of animal rescue the dilemmas that attend it. But King's focus is on the joys. She describes the "happiness lift" that she herself has experienced joining with other activists on behalf of animals destined for slaughter or confined in sub-standard zoos-and in rescuing dozens of cats, some of whom we meet in this book. This is a book for anyone who cares for animals and wishes to do more for them, whether it's learning to live peaceably with spiders in the home or join with others to rescue our more dramatically endangered animal friends"--

Portraits of the Apes IUCN

A lifelong fascination with primates led Dale Peterson to Africa, which he crisscrossed in hope of sighting chimpanzees in the wild. As with any adventure worth retelling, however, Peterson's detours are as notable as his destinations. With the good-natured fatalism of the tested traveler, Peterson tells of trains and riverboats, opportunists and ecotourists, rain forests and shantytowns as he conveys the pitfalls of going forth on a budget as tiny as the continent is vast. Along the way, we also meet Jane Goodall and several other renowned primate researchers and caretakers. This is travel writing with a purpose, an account that inspires both admiration and concern for Africa's people, places, and natural diversity.

Man the Hunted W. W. Norton & Company

"What if life was neverending? What if you could change your body to adapt to an alien ecology? What if the pope were a robot? Spanning galaxies and millennia, this must-have anthology showcases classic contributions from H. G. Wells, Arthur C. Clarke, Octavia E. Butler, and Kurt Vonnegut, alongside a century of the eccentrics, rebels, and visionaries who have inspired generations of readers. Within its pages, you'll find beloved worlds of space

opera, hard SF, cyberpunk, the New Wave, and more. Learn about the secret history of science fiction, from titans of literature who also wrote SF to less well-known authors from more than twenty-five countries, some never before translated into English. In The Big Book of Science Fiction, literary power couple Ann and Jeff VanderMeer transport readers from Mars to Mechanopolis, planet Earth to parts unknown. Immerse yourself in the genre that predicted electric cars, space tourism, and smartphones. Sit back, buckle up, and dial in the coordinates, as this stellar anthology has got worlds within worlds"--Back cover.

Stone Age Code Big Data for ChimpsTo help you answer big data questions, this unique guide shows you how to use simple, fun, and elegant tools leveraging Apache Hadoop. You'll learn how to break problems into efficient data transformations to meet most of your analysis needs. Its developer-friendly approach works well for anyone using Hadoop, and flattens the learning curve for those working with big data for the first time. Written by Philip Kromer, founder and CTO at Infochimps, this book uses real data and real problems to illustrate patterns found across knowledge domains. It equips you with a fundamental toolkit for performing statistical summaries, text mining, spatial and time-series analysis, and light machine learning. For those working in an elastic cloud environment, you'll learn superpowers that make exploratory analytics especially efficient. Learn from detailed example programs that apply Hadoop to interesting problems in context Gain advice and best practices for efficient software development Discover how to think at scale by understanding how data must flow through the cluster to effect transformations Identify the tuning knobs that matter, and rules-of-thumb to know when they're neededBig Data for ChimpsA Guide to Massive-Scale Data Processing in Practice

Your inner Chimp can be your best friend or your worst enemy...this is the Chimp Paradox Do you sabotage your own happiness and success? Are you struggling to make sense of yourself? Do your emotions sometimes dictate your life? Dr. Steve Peters explains that we all have a being within our minds that can wreak havoc on every aspect of our lives—be it business or personal. He calls this being "the chimp," and it can work either for you or against you. The challenge comes when we try to tame the chimp, and persuade it to do our bidding. The Chimp Paradox contains an incredibly powerful mind management model that can help you be happier and healthier, increase your confidence, and become a more successful person. This book will help you to: —Recognize how your mind is working —Understand and manage your emotions and thoughts —Manage yourself and become the person you would like to be Dr. Peters explains the struggle that takes place within your mind and then shows you how to apply this understanding. Once you're armed with this new knowledge, you will be able to utilize your chimp for good, rather than letting your chimp run rampant with its own agenda.

The Chimpanzee & Me "O'Reilly Media, Inc."

A provocative view of human evolution that contends early humans occupied a far more vulnerable position in the food chain than we like to imagine.

Programming Pig Page Publishing Inc

Clear, provocative, and persuasive, Ever Green is an inspiring call to action to conserve Earth’s irreplaceable wild woods, counteract climate change, and save the planet. Five stunningly large forests remain on Earth: the Taiga, extending from the Pacific Ocean across all of Russia and far-northern Europe; the North American boreal, ranging from Alaska’s Bering seacoast to Canada’s Atlantic shore; the Amazon, covering almost the entirety of South America’s bulge; the Congo, occupying parts of six nations in Africa’s wet equatorial middle; and the island forest of New Guinea, twice the size of California. These megaforests are vital to preserving global biodiversity, thousands of cultures, and a stable climate, as economist John W. Reid and celebrated biologist Thomas E. Lovejoy argue convincingly in Ever Green. Megaforests serve an essential role in decarbonizing the atmosphere—the boreal alone holds 1.8 trillion metric tons of carbon in its deep soils and peat layers, 190 years’ worth of global emissions at 2019 levels—and saving them is the most immediate and affordable large-scale solution to our planet’s most formidable ongoing crisis. Reid and Lovejoy offer practical solutions to address the biggest challenges these forests face, from vastly expanding protected areas, to supporting Indigenous forest stewards, to planning smarter road networks. In gorgeous prose that evokes the majesty of these ancient forests along with the people and animals who inhabit them, Reid and Lovejoy take us on an exhilarating global journey.

Business Models for the Data Economy Bantam

In this "frightening and fascinating masterpiece" (Walter Isaacson), David Quammen explores the true origins of HIV/AIDS. The real story of AIDS—how it originated with a virus in a chimpanzee, jumped to one human, and then infected more than 60 million people—is very different from what most of us think we know. Recent research has revealed dark surprises and yielded a radically new scenario of how AIDS began and spread. Excerpted and adapted from the book Spillover, with a new introduction by the author, Quammen's hair-raising investigation tracks the virus from chimp populations in the jungles of southeastern Cameroon to laboratories across the globe, as he unravels the mysteries of when, where, and under what circumstances such a consequential "spillover" can happen. An audacious search for answers amid more than a century of data, The Chimp and the River tells the haunting tale of one of the most devastating pandemics of our time.

Building Full-Stack Data Analytics Applications with Spark HMH

Big data has presented a number of opportunities across industries. With these opportunities come a number of challenges associated with handling, analyzing, and storing large data sets. One solution to this challenge is cloud computing, which supports a massive storage and computation facility in order to accommodate big data processing. Managing and Processing Big Data in Cloud Computing explores the challenges of supporting big data processing and cloud-based platforms as a proposed solution. Emphasizing a number of crucial topics such as data analytics, wireless networks, mobile clouds, and machine learning, this publication meets the research needs of data analysts, IT professionals, researchers, graduate students, and educators in the areas of data science, computer programming, and IT development.