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A Hands-On Introduction to Data Science Courier Corporation

There is no single methodology for creating the perfect product—but you can increase your odds. One of the best ways is to understand users' reasons for doing things. Mental Models gives you the tools to help you grasp, and design for, those reasons. Adaptive Path co-founder Indi Young has written a roll-up-your-sleeves book for designers, managers, and anyone else interested in making design strategic, and successful.

Computer Networking: A Top-Down Approach Featuring the Internet, 3/e Brooks/Cole Publishing Company

A history of the common people and the Industrial Revolution: "A true masterpiece" and one of the Modern Library's 100 Best Nonfiction Books of the twentieth century (Tribune). During the formative years of the Industrial Revolution, English workers and artisans claimed a place in society that would shape the following centuries. But the capitalist elite did not form the working class—the workers shaped their own creations, developing a shared identity in the process. Despite their lack of power and the indignity forced upon them by the upper classes, the working class emerged as England's greatest cultural and political

force. Crucial to contemporary trends in all aspects of society, at the turn of the nineteenth century, these workers united into the class that we recognize all across the Western world today. E. P. Thompson's magnum opus, *The Making of the English Working Class* defined early twentieth-century English social and economic history, leading many to consider him Britain's greatest postwar historian. Its publication in 1963 was highly controversial in academia, but the work has become a seminal text on the history of the working class. It remains incredibly relevant to the social and economic issues of current times, with the Guardian saying upon the book's fiftieth anniversary that it "continues to delight and inspire new readers."

Numerical Mathematics and Computing Don Mills, Ont. : Addison-Wesley Publishers

Originally published: Battle Creek, Mich.: Review and Herald Pub. Co., 1900.

Personal Finance Cengage Learning

In Thomas Ligotti's first nonfiction outing, an examination of the meaning (or meaninglessness) of life through an insightful, unsparing argument that proves the greatest horrors are not the products of our imagination but instead are found in reality. "There is a signature motif discernible in both works of philosophical pessimism and supernatural horror. It may be stated thus: Behind the scenes of life lurks something pernicious that makes a nightmare of our world." His fiction is known to be some of the most

terrifying in the genre of supernatural horror, but Thomas Ligotti's first nonfiction book may be even scarier. Drawing on philosophy, literature, neuroscience, and other fields of study, Ligotti takes the penetrating lens of his imagination and turns it on his audience, causing them to grapple with the brutal reality that they are living a meaningless nightmare, and anyone who feels otherwise is simply acting out an optimistic fallacy. At once a guidebook to pessimistic thought and a relentless critique of humanity's employment of self-deception to cope with the pervasive suffering of their existence, *The Conspiracy against the Human Race* may just convince readers that there is more than a measure of truth in the despairing yet unexpectedly liberating negativity that is widely considered a hallmark of Ligotti's work.

The Probability Tutoring Book Harper Collins

A self-study guide for practicing engineers, scientists, and students, this book offers practical, worked-out examples on continuous and discrete probability for problem-solving courses. It is filled with handy diagrams, examples, and solutions that greatly aid in the comprehension of a variety of probability problems.

The Study of Sociology CRC Press

For a three-semester or four-quarter calculus course covering single variable and multivariable calculus for mathematics, engineering, and science majors. Briggs/Cochran is the most successful new calculus series published in the last two decades. The authors' decades of teaching experience resulted in a text that reflects how students generally use a textbook-i.e., they start in the exercises and refer back to the narrative for help as needed. The text therefore builds from a foundation of meticulously crafted exercise sets, then draws students into the narrative through writing that reflects the voice of the instructor, examples that are stepped out and thoughtfully annotated, and figures that are designed to teach rather than simply supplement the narrative. The authors appeal to students' geometric intuition to introduce fundamental concepts, laying a foundation for the

rigorous development that follows. To further support student learning, the MyMathLab course features an eBook with 700 Interactive Figures that can be manipulated to shed light on key concepts. In addition, the Instructor's Resource Guide and Test Bank features quizzes, test items, lecture support, guided projects, and more. This book is an expanded version of *Calculus: Early Transcendentals* by the same authors, with an entire chapter devoted to differential equations, additional sections on other topics, and additional exercises in most sections. See the "Features" section for more details.

David and Goliath Pearson Education India

Explore the power of the underdog in Malcolm Gladwell's dazzling examination of success, motivation, and the role of adversity in shaping our lives, from the bestselling author of *The Bomber Mafia*. Three thousand years ago on a battlefield in ancient Palestine, a shepherd boy felled a mighty warrior with nothing more than a stone and a sling, and ever since then the names of David and Goliath have stood for battles between underdogs and giants. David's victory was improbable and miraculous. He shouldn't have won. Or should he have? In *David and Goliath*, Malcolm Gladwell challenges how we think about obstacles and disadvantages, offering a new interpretation of what it means to be discriminated against, or cope with a disability, or lose a parent, or attend a mediocre school, or suffer from any number of other apparent setbacks. Gladwell begins with the real story of what happened between the giant and the shepherd boy those many years ago. From there, *David and Goliath* examines Northern Ireland's Troubles, the minds of cancer researchers and civil rights leaders, murder and the high costs of revenge, and the dynamics of successful and unsuccessful classrooms—all to demonstrate how much of what is beautiful and important in the world arises from what looks like suffering and adversity. In the tradition of Gladwell's previous bestsellers—*The Tipping Point*, *Blink*, *Outliers* and *What the Dog Saw*—*David and Goliath* draws upon history, psychology, and powerful storytelling to reshape the way we think of the world around us.

When Computers Were Human Oxford University Press

Summary Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Machine learning has made remarkable progress in recent years. We went from near-unusable speech and image recognition, to near-human accuracy. We went from machines that couldn't beat a serious Go player, to defeating a world champion. Behind this progress is deep learning—a combination of engineering advances, best practices, and theory that enables a wealth of previously impossible smart applications. About the Book Deep Learning with Python introduces the field of deep learning using the Python

language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. You'll explore challenging concepts and practice with applications in computer vision, natural-language processing, and generative models. By the time you finish, you'll have the knowledge and hands-on skills to apply deep learning in your own projects. What's Inside Deep learning from first principles Setting up your own deep-learning environment Image-classification models Deep learning for text and sequences Neural style transfer, text generation, and image generation About the Reader Readers need intermediate Python skills. No previous experience with Keras, TensorFlow, or machine learning is required. About the Author François Chollet works on deep learning at Google in Mountain View, CA. He is the creator of the Keras deep-learning library, as well as a contributor to the TensorFlow machine-learning framework. He also does deep-learning research, with a focus on computer vision and the application of machine learning to formal reasoning. His papers have been published at major conferences in the field, including the Conference on Computer Vision and Pattern Recognition (CVPR), the Conference and Workshop on Neural Information Processing Systems (NIPS), the International Conference on Learning Representations (ICLR), and others. Table of Contents PART 1 - FUNDAMENTALS OF DEEP LEARNING What is deep learning? Before we begin: the mathematical building blocks of neural networks Getting started with neural networks Fundamentals of machine learning PART 2 - DEEP LEARNING IN PRACTICE Deep learning for computer vision Deep learning for text and sequences Advanced deep-learning best practices Generative deep learning Conclusions appendix A - Installing Keras and its dependencies on Ubuntu appendix B - Running Jupyter notebooks on an EC2 GPU instance

The Everything Store Cambridge University Press

For four hundred years—from the first Spanish assaults against the Arawak people of Hispaniola in the 1490s to the U.S. Army's massacre of Sioux Indians at Wounded Knee in the 1890s—the indigenous inhabitants of North and South America endured an unending firestorm of violence. During that time the native population of the Western Hemisphere declined by as many as 100 million people. Indeed, as historian David E. Stannard argues in this stunning new book, the European and white American destruction of the native peoples of the Americas was the most massive act of genocide in the history of the world. Stannard begins with a portrait of the enormous richness and diversity of life in the Americas prior to Columbus's fateful voyage in 1492. He then follows the path of genocide from the Indies to Mexico and Central and South America, then north to Florida, Virginia, and New England, and finally out across the Great Plains and Southwest to California and the North Pacific Coast. Stannard reveals that wherever Europeans or white Americans went, the native people were caught between imported plagues and barbarous atrocities, typically resulting in the annihilation of 95 percent of their populations. What kind of people, he asks, do such horrendous things to others? His highly provocative answer: Christians. Digging deeply into ancient European and

Christian attitudes toward sex, race, and war, he finds the cultural ground well prepared by the end of the Middle Ages for the centuries-long genocide campaign that Europeans and their descendants launched—and in places continue to wage—against the New World's original inhabitants. Advancing a thesis that is sure to create much controversy, Stannard contends that the perpetrators of the American Holocaust drew on the same ideological wellspring as did the later architects of the Nazi Holocaust. It is an ideology that remains dangerously alive today, he adds, and one that in recent years has surfaced in American justifications for large-scale military intervention in Southeast Asia and the Middle East. At once sweeping in scope and meticulously detailed, *American Holocaust* is a work of impassioned scholarship that is certain to ignite intense historical and moral debate.

The Mismeasure of Desire Vintage

From the bestselling author of the acclaimed *Chaos and Genius* comes a thoughtful and provocative exploration of the big ideas of the modern era: information, communication, and information theory. Acclaimed science writer James Gleick presents an eye-opening vision of how our relationship to information has transformed the very nature of human consciousness. A fascinating intellectual journey through the history of communication and information, from the language of Africa's talking drums to the invention of written alphabets; from the electronic transmission of code to the origins of information theory, into the new information age and the current deluge of news, tweets, images, and blogs. Along the way, Gleick profiles key innovators, including Charles Babbage, Ada Lovelace, Samuel Morse, and Claude Shannon, and reveals how our understanding of information is transforming not only how we look at the world, but how we live. A *New York Times* Notable Book A *Los Angeles Times* and *Cleveland Plain Dealer* Best Book of the Year Winner of the PEN/E. O. Wilson Literary Science Writing Award

Calculus Pearson Education India

Technics and Civilization first presented its compelling history of the machine and critical study of its effects on civilization in 1934—before television, the personal computer, and the Internet even appeared on our periphery. Drawing upon art, science, philosophy, and the history of culture, Lewis Mumford explained the origin of the machine age and traced its social results, asserting that the development of modern technology had its roots in the Middle Ages rather than the Industrial Revolution. Mumford sagely argued that it was the moral, economic, and political choices we made, not the machines that we used, that determined our then industrially driven economy. Equal parts powerful history and polemic criticism, *Technics and Civilization* was the first comprehensive attempt in English to portray the development of the machine age over the

last thousand years—and to predict the pull the technological still holds over us today. “The questions posed in the first paragraph of *Technics and Civilization* still deserve our attention, nearly three quarters of a century after they were written.”—*Journal of Technology and Culture*

The Concise Oxford Dictionary of Mathematics Packt Publishing Ltd
Learn all about implementing a good gamification design into your products, workplace, and lifestyle
Key Features Explore what makes a game fun and engaging
Gain insight into the Octalysis Framework and its applications
Discover the potential of the Core Drives of gamification through real-world scenarios
Book Description Effective gamification is a combination of game design, game dynamics, user experience, and ROI-driving business implementations. This book explores the interplay between these disciplines and captures the core principles that contribute to a good gamification design. The book starts with an overview of the Octalysis Framework and the 8 Core Drives that can be used to build strategies around the various systems that make games engaging. As the book progresses, each chapter delves deep into a Core Drive, explaining its design and how it should be used. Finally, to apply all the concepts and techniques that you learn throughout, the book contains a brief showcase of using the Octalysis Framework to design a project experience from scratch. After reading this book, you'll have the knowledge and skills to enable the widespread adoption of good gamification and human-focused design in all types of industries. What you will learn
Discover ways to use gamification techniques in real-world situations
Design fun, engaging, and rewarding experiences with Octalysis
Understand what gamification means and how to categorize it
Leverage the power of different Core Drives in your applications
Explore how Left Brain and Right Brain Core Drives differ in motivation and design methodologies
Examine the fascinating intricacies of White Hat and Black Hat Core Drives
Who this book is for Anyone who wants to implement gamification principles and techniques into their products, workplace, and lifestyle will find this book useful.

Living Fountains Or Broken Cisterns CRC Press

This edition of Swokowski's text is truly as its name implies: a classic. Groundbreaking in every way when first published, this book is a simple, straightforward, direct calculus text. Its popularity is directly due to its broad use of applications, the easy-to-understand writing style, and the wealth of examples and exercises which reinforce conceptualization of the subject matter. The author wrote this text with three objectives in mind. The first was to make the book more student-oriented by expanding discussions and providing more examples and figures to help clarify concepts. To further aid students, guidelines for solving problems were added in many sections of the text. The second objective was to stress the usefulness of calculus by means of modern applications of derivatives and integrals. The third objective, to make the text as accurate and error-free as

possible, was accomplished by a careful examination of the exposition, combined with a thorough checking of each example and exercise.

Mental Models Little, Brown

Drawing on their decades of teaching experience, William Briggs and Lyle Cochran have created a calculus text that carries the teacher's voice beyond the classroom. That voice-evident in the narrative, the figures, and the questions interspersed in the narrative-is a master teacher leading readers to deeper levels of understanding. The authors appeal to readers' geometric intuition to introduce fundamental concepts and lay the foundation for the more rigorous development that follows. Comprehensive exercise sets have received praise for their creativity, quality, and scope. Note: This is the standalone book if you want the book/access card order the ISBN below: 0321665880 / 9780321665881 Multivariable Calculus Plus MyMathLab -- Access Card Package Package consists of: 0321431308 / 9780321431301 MyMathLab/MyStatLab -- Glue-in Access Card 0321654064 / 9780321654069 MyMathLab Inside Star Sticker 0321664159 / 9780321664150 Multivariable Calculus

Calculus Open Road Media

Praise for *How Learning Works* "How Learning Works is the perfect title for this excellent book. Drawing upon new research in psychology, education, and cognitive science, the authors have demystified a complex topic into clear explanations of seven powerful learning principles. Full of great ideas and practical suggestions, all based on solid research evidence, this book is essential reading for instructors at all levels who wish to improve their students' learning." —Barbara Gross Davis, assistant vice chancellor for educational development, University of California, Berkeley, and author, *Tools for Teaching* "This book is a must-read for every instructor, new or experienced. Although I have been teaching for almost thirty years, as I read this book I found myself resonating with many of its ideas, and I discovered new ways of thinking about teaching." —Eugenia T. Paulus, professor of chemistry, North Hennepin Community College, and 2008 U.S. Community Colleges Professor of the Year from The Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education "Thank you Carnegie Mellon for making accessible what has previously been inaccessible to those of us who are not learning scientists. Your focus on the essence of learning combined with concrete examples of the daily challenges of teaching and clear tactical strategies for faculty to consider is a welcome work. I will recommend this book to all my colleagues." —Catherine M. Casserly, senior partner, The Carnegie Foundation for the Advancement of Teaching "As you read about each of the seven basic learning principles in this book, you will find advice that is grounded in learning theory, based on research evidence, relevant to college teaching, and easy to understand. The authors have extensive knowledge and experience in applying the science of learning to college teaching, and they graciously share it with you in this organized and readable book." —From the Foreword by Richard E. Mayer, professor of psychology, University of California, Santa

Barbara; coauthor, *e-Learning and the Science of Instruction*; and author, *Multimedia Learning*

Actionable Gamification Pearson

Authors Ward Cheney and David Kincaid show students of science and engineering the potential computers have for solving numerical problems and give them ample opportunities to hone their skills in programming and problem solving.
NUMERICAL MATHEMATICS AND COMPUTING, 7th Edition also helps students learn about errors that inevitably accompany scientific computations and arms them with methods for detecting, predicting, and controlling these errors. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Activity Coefficients in Electrolyte Solutions Wellesley-Cambridge Press
From "the most powerful psychiatrist in America" (New York Times) and "the man who wrote the book on mental illness" (Wired), a deeply fascinating and urgently important critique of the widespread medicalization of normality
Anyone living a full, rich life experiences ups and downs, stresses, disappointments, sorrows, and setbacks. These challenges are a normal part of being human, and they should not be treated as psychiatric disease. However, today millions of people who are really no more than "worried well" are being diagnosed as having a mental disorder and are receiving unnecessary treatment. In *Saving Normal*, Allen Frances, one of the world's most influential psychiatrists, warns that mislabeling everyday problems as mental illness has shocking implications for individuals and society: stigmatizing a healthy person as mentally ill leads to unnecessary, harmful medications, the narrowing of horizons, misallocation of medical resources, and draining of the budgets of families and the nation. We also shift responsibility for our mental well-being away from our own naturally resilient and self-healing brains, which have kept us sane for hundreds of thousands of years, and into the hands of "Big Pharma," who are reaping multi-billion-dollar profits. Frances cautions that the new edition of the "bible of psychiatry," the *Diagnostic and Statistical Manual of Mental Disorders-5 (DSM-5)*, will turn our current diagnostic inflation into hyperinflation by converting millions of "normal" people into "mental patients." Alarming, in DSM-5, normal grief will become "Major Depressive Disorder"; the forgetting seen in old age is "Mild Neurocognitive Disorder"; temper tantrums are "Disruptive Mood Dysregulation Disorder"; worrying about a medical illness is "Somatic Symptom Disorder"; gluttony is "Binge Eating Disorder"; and most of us will qualify for adult "Attention Deficit Disorder." What's more, all of these newly invented conditions will worsen the cruel paradox of the mental health industry: those who desperately need psychiatric help are left shamefully neglected, while the "worried well" are given the bulk of the treatment, often at their own detriment. Masterfully charting the history of psychiatric fads throughout history, Frances argues that whenever we arbitrarily label another aspect of the human condition a "disease," we

further chip away at our human adaptability and diversity, dulling the full palette of what is normal and losing something fundamental of ourselves in the process. Saving Normal is a call to all of us to reclaim the full measure of our humanity.

The Art of Not Being Governed Simon and Schuster

An introductory textbook offering a low barrier entry to data science; the hands-on approach will appeal to students from a range of disciplines.

A Book of Set Theory World Scientific Publishing Company

Gilbert Strang's clear, direct style and detailed, intensive explanations make this textbook ideal as both a course companion and for self-study. Single variable and multivariable calculus are covered in depth. Key examples of the application of calculus to areas such as physics, engineering and economics are included in order to enhance students' understanding. New to the third edition is a chapter on the 'Highlights of calculus', which accompanies the popular video lectures by the author on MIT's OpenCourseWare. These can be accessed from math.mit.edu/~gs.

Thomas' Calculus IEEE

An authorised reissue of the long out of print classic textbook, Advanced Calculus by the late Dr Lynn Loomis and Dr Shlomo Sternberg both of Harvard University has been a revered but hard to find textbook for the advanced calculus course for decades. This book is based on an honors course in advanced calculus that the authors gave in the 1960's. The foundational material, presented in the unstarred sections of Chapters 1 through 11, was normally covered, but different applications of this basic material were stressed from year to year, and the book therefore contains more material than was covered in any one year. It can accordingly be used (with omissions) as a text for a year's course in advanced calculus, or as a text for a three-semester introduction to analysis. The prerequisites are a good grounding in the calculus of one variable from a mathematically rigorous point of view, together with some acquaintance with linear algebra. The reader should be familiar with limit and continuity type arguments and have a certain amount of mathematical sophistication. As possible introductory texts, we mention Differential and Integral Calculus by R Courant, Calculus by T Apostol, Calculus by M Spivak, and Pure Mathematics by G Hardy. The reader should also have some experience with partial derivatives. In overall plan the book divides roughly into a first half which develops the calculus (principally the differential calculus) in the setting of normed vector spaces, and a second half which deals with the calculus of differentiable manifolds.