

Linked How Everything Is Connected To Everything Else And What It Means For Business Science And Everyday Life

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The Quantum Universe

#1 NEW YORK TIMES BESTSELLER • NOW A MAJOR MOTION PICTURE STARRING MICHAEL B. JORDAN AND JAMIE FOXX • A powerful true story about the potential for mercy to redeem us, and a clarion call to fix our broken system of justice—from one of the most brilliant and influential lawyers of our time. “[Bryan Stevenson’s] dedication to fighting for justice and equality has inspired me and many others and made a lasting impact on our country.”—John Legend NAMED ONE OF THE MOST INFLUENTIAL BOOKS OF THE DECADE BY CNN • Named One of the Best Books of the Year by The New York Times • The Washington Post • The Boston Globe • The Seattle Times • Esquire • Time Bryan Stevenson was a young lawyer when he founded the Equal Justice Initiative, a legal practice dedicated to defending those most desperate and in need: the poor, the wrongly condemned, and women and children trapped in the farthest reaches of our criminal justice system. One of his first cases was that of Walter McMillian, a young man who was sentenced to die for a notorious murder he insisted he didn’t commit. The case drew Bryan into a tangle of conspiracy, political machination, and legal brinkmanship—and transformed his understanding of mercy and justice forever. Just Mercy is at once an unforgettable account of an idealistic, gifted young lawyer’s coming of age, a moving window into the lives of those he has defended, and an inspiring argument for compassion in the pursuit of true justice. Winner of the Carnegie Medal for Excellence in Nonfiction • Winner of the NAACP Image Award for Nonfiction • Winner of a Books for a Better Life Award • Finalist for the Los Angeles Times Book Prize • Finalist for the Kirkus Reviews Prize • An American Library Association Notable Book “Every bit as moving as To Kill a Mockingbird, and in some ways more so . . . a searing indictment of American criminal justice and a stirring testament to the salvation that fighting for the vulnerable sometimes yields.”—David Cole, The New York Review of Books “Searing, moving . . . Bryan Stevenson may, indeed, be America’s Mandela.”—Nicholas Kristof, The New York Times “You don’t have to read too long to start cheering for this man. . . . The message of this book . . . is that evil can be overcome, a difference

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can be made. Just Mercy will make you upset and it will make you hopeful.”—Ted Conover, The New York Times Book Review “Inspiring . . . a work of style, substance and clarity . . . Stevenson is not only a great lawyer, he’s also a gifted writer and storyteller.”—The Washington Post “As deeply moving, poignant and powerful a book as has been, and maybe ever can be, written about the death penalty.”—The Financial Times “Brilliant.”—The Philadelphia Inquirer

Living with the Stars

THE INTERNATIONAL BESTSELLER 'A book that could actually make us happy' SIMON AMSTELL 'This amazing book will change your life' ELTON JOHN 'One of the most important texts of recent years' BRITISH JOURNAL OF GENERAL PRACTICE 'Brilliant, stimulating, radical' MATT HAIG 'The more people read this book, the better off the world will be' NAOMI KLEIN 'Wonderful' HILLARY CLINTON 'Eye-opening' GUARDIAN 'Brilliant for anyone wanting a better understanding of mental health' ZOE BALL 'A game-changer' DAVINA MCCALL 'Extraordinary' DR MAX PEMBERTON 'Beautiful' RUSSELL BRAND Depression and anxiety are now at epidemic levels. Why? Across the world, scientists have uncovered evidence for nine different causes. Some are in our biology, but most are in the way we are living today. Lost Connections offers a radical new way of thinking about this crisis. It shows that once we understand the real causes, we can begin to turn to pioneering new solutions - ones that offer real hope.

Linked

Are all film stars linked to Kevin Bacon? Why do the stock markets rise and fall sharply on the strength of a vague rumour? How does gossip spread so quickly? Are we all related through six degrees of separation? There is a growing awareness of the complex networks that pervade modern society. We see them in the rapid growth of the Internet, the ease of global communication, the swift spread of news and information, and in the way epidemics and financial crises develop with startling speed and intensity. This introductory book on the new science of networks takes an interdisciplinary approach, using economics, sociology, computing, information science and applied mathematics to address fundamental questions about the links that connect us, and the ways that our decisions can have consequences for others.

The Mind-Gut Connection

Laudato Si 'is Pope Francis' second encyclical which focuses on the theme of the environment. In fact, the Holy Father in his encyclical urges all men and women of good will, the rulers and all the powerful on earth to reflect deeply on the theme of the environment and the care of our planet. This is our common home, we must take care of it and love it - the Holy Father tells us - because its end is also ours.

TCP/IP Network Administration

A revolutionary new theory showing how we can predict human behavior-from a radical genius and bestselling author Can we scientifically predict our future? Scientists and pseudo scientists have been pursuing this mystery for hundreds and perhaps thousands of years. But now, astonishing new research is revealing patterns in human behavior previously thought to be purely random. Precise, orderly, predictable patterns Albert Laszlo Barabasi, already the world's preeminent researcher on the science of networks, describes his work on this profound mystery in Bursts, a stunningly original investigation into human nature. His approach relies on the digital reality of our world, from mobile phones to the Internet and email, because it has turned society into a huge research laboratory. All those electronic trails of time stamped texts, voicemails, and internet searches add up to a previously unavailable massive data set of statistics that track our movements, our decisions, our lives. Analysis of these trails is offering deep insights into the rhythm of how we do everything. His finding? We work and fight and play in short flourishes of activity followed by next to nothing. The pattern isn't random, it's "bursty." Randomness does not rule our lives in the way scientists have assumed up until now. Illustrating this revolutionary science, Barabasi artfully weaves together the story of a 16th century burst of human activity-a bloody medieval crusade launched in his homeland, Transylvania-with the modern tale of a contemporary artist hunted by the FBI through our post 9/11 surveillance society. These narratives illustrate how predicting human behavior has long been the obsession, sometimes the duty, of those in power. Barabasi's astonishingly wide range of examples from seemingly unrelated areas include how dollar bills move around the U.S., the pattern everyone follows in writing email, the spread of epidemics, and even the flight patterns of albatross. In all these phenomena a virtually identical, mathematically described bursty pattern emerges. Bursts reveals what this amazing new research is showing us about where individual spontaneity ends and predictability in human behavior begins. The way you think about your own potential to do something truly extraordinary will never be the same.

Lost Connections

Data is getting bigger and more complex by the day, and so are your choices in handling it. Explore some of the most cutting-edge databases available - from a traditional relational database to newer NoSQL approaches - and make informed decisions about challenging data storage problems. This is the only comprehensive guide to the world of NoSQL databases, with in-depth practical and conceptual introductions to seven different technologies: Redis, Neo4J, CouchDB, MongoDB, HBase, Postgres, and DynamoDB. This second edition includes a new chapter on DynamoDB and updated content for each chapter. While relational databases such as MySQL remain as relevant as ever, the alternative, NoSQL paradigm has opened up new horizons in performance and scalability and changed the way we approach data-centric problems. This book presents the essential concepts behind each database alongside hands-on examples that make each technology come

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alive. With each database, tackle a real-world problem that highlights the concepts and features that make it shine. Along the way, explore five database models - relational, key/value, columnar, document, and graph - from the perspective of challenges faced by real applications. Learn how MongoDB and CouchDB are strikingly different, make your applications faster with Redis and more connected with Neo4J, build a cluster of HBase servers using cloud services such as Amazon's Elastic MapReduce, and more. This new edition brings a brand new chapter on DynamoDB, updated code samples and exercises, and a more up-to-date account of each database's feature set. Whether you're a programmer building the next big thing, a data scientist seeking solutions to thorny problems, or a technology enthusiast venturing into new territory, you will find something to inspire you in this book. What You Need: You'll need a *nix shell (Mac OS or Linux preferred, Windows users will need Cygwin), Java 6 (or greater), and Ruby 1.8.7 (or greater). Each chapter will list the downloads required for that database.

Small Pieces Loosely Joined

In this insightful social commentary, David Weinberger goes beyond misdirected hype to reveal what is truly revolutionary about the Web. Just as Marshall McLuhan forever altered our view of broadcast media, Weinberger shows that the Web is transforming not only social institutions but also bedrock concepts of our world such as space, time, self, knowledge-even reality itself. Through stories of life on the Web, a unique take on Web sites, and a pervasive sense of humor, Weinberger is the first to put the Web into the social and intellectual context we need to begin assessing its true impact on our lives. The irony, according to Weinberger, is that this seemingly weird new technology is more in tune with our authentic selves than is the modern world. Funny, provocative, and ultimately hopeful, *Small Pieces Loosely Joined* makes us look at the Web as never before.

Essential Questions

Describes how individuals can become successful leaders through passion and connection with an interested group, and provides real-life case studies that illustrate this method.

The Formula

Ethernet has been the core networking technology since the early 1980s, and is used by every high-tech business. While the basic protocols have changed little, new options such as Fast Ethernet and Gigabit Ethernet have increased the complexity of the topic. *Ethernet: The Definitive Guide* provides everything you need to know to set up and manage an Ethernet network. *Ethernet: The Definitive Guide* includes details about the IEEE 802.3 standard and its protocols, and is

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separated into five parts: Introduction to Ethernet provides a tour of basic Ethernet theory and operation, including a description of Ethernet frames, operation of the Media Access Control (MAC) protocol, full-duplex mode, and Auto-Negotiation. Ethernet Media Systems is the heart of the book. This section shows you how to build media-specific Ethernet networks, from a basic 10BASE-T Ethernet offering 10 Mbps over twisted-pair cables, to an advanced 1000BASE-X Gigabit Ethernet system, providing up to 1 Gbps of data transfer over fiber optic cables. Building Your Ethernet System teaches you how to build twisted-pair and fiber optic media segments, as well as how to expand the reach of your local area network using repeaters and switching hubs. Performance and Troubleshooting is divided into two chapters. The first describes the performance of a given Ethernet channel, as well as the performance of the entire network system. The second chapter includes a tutorial on troubleshooting techniques and describes the kinds of problems; network administrators are likely to encounter. The last part of the book, Appendixes, includes a complete glossary of terms used throughout the book, a resource list, descriptions of thick and thin coax-based Ethernet systems, and a guide to AUI equipment installation and configuration. Ethernet: The Definitive Guide is the one essential source of information for network administrators who need to build and manage scalable local area networks.

Dirk Gently's Holistic Detective Agency

“A thorough and damning exploration of the incestuous relationship between Trump and his favorite channel.” —The New York Times “A Rosetta Stone for stuff about this presidency that doesn’t otherwise make sense to normal humans.” —Rachel Maddow, MSNBC “Stelter’s critique goes beyond salacious tidbits about extramarital affairs (though there are plenty of those) to expose a collusion that threatens the pillars of our democracy.” —The Washington Post The urgent and untold story of the collusion between Fox News and Donald Trump from the New York Times bestselling author of Top of the Morning. While other leaders were marshaling resources to combat the greatest pandemic in modern history, President Donald Trump was watching TV. Trump watches over six hours of Fox News a day, a habit his staff refers to as “executive time.” In January 2020, when Fox News began to downplay COVID-19, the President was quick to agree. In March, as the deadly virus spiraled out of control, Sean Hannity mocked “coronavirus hysteria” as a “new hoax” from the left. Millions of Americans took Hannity and Trump’s words as truth—until some of them started to get sick. In Hoax, CNN anchor and chief media correspondent Brian Stelter tells the twisted story of the relationship between Donald Trump and Fox News. From the moment Trump glided down the golden escalator to announce his candidacy in the 2016 presidential election to his acquittal on two articles of impeachment in early 2020, Fox hosts spread his lies and smeared his enemies. Over the course of two years, Stelter spoke with over 250 current and former Fox insiders in an effort to understand the inner workings of Rupert Murdoch’s multibillion-dollar media empire. Some of the confessions are alarming. “We don’t really believe all this stuff,” a producer says. “We just tell other people to believe it.” At the center of the story lies Sean Hannity, a college dropout who, following the death of Fox News mastermind Roger Ailes, reigns supreme at the network that pays him \$30

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million a year. Stelter describes the raging tensions inside Fox between the Trump loyalists and the few remaining journalists. He reveals why former chief news anchor Shep Smith resigned in disgust in 2019; why a former anchor said “if I stay here I’ll get cancer;” and how Trump has exploited the leadership vacuum at the top to effectively seize control of the network. Including never before reported details, Hoax exposes the media personalities who, though morally bankrupt, profit outrageously by promoting the President’s propaganda and radicalizing the American right. It is a book for anyone who reads the news and wonders: How did this happen?

Analyzing Social Media Networks with NodeXL

In *The Quantum Universe*, Brian Cox and Jeff Forshaw approach the world of quantum mechanics in the same way they did in *Why Does E=mc²?* and make fundamental scientific principles accessible—and fascinating—to everyone. The subatomic realm has a reputation for weirdness, spawning any number of profound misunderstandings, journeys into Eastern mysticism, and woolly pronouncements on the interconnectedness of all things. Cox and Forshaw’s contention? There is no need for quantum mechanics to be viewed this way. There is a lot of mileage in the “weirdness” of the quantum world, and it often leads to confusion and, frankly, bad science. *The Quantum Universe* cuts through the Wu Li and asks what observations of the natural world made it necessary, how it was constructed, and why we are confident that, for all its apparent strangeness, it is a good theory. The quantum mechanics of *The Quantum Universe* provide a concrete model of nature that is comparable in its essence to Newton’s laws of motion, Maxwell’s theory of electricity and magnetism, and Einstein’s theory of relativity.

Laudato Si'

This complete guide to setting up and running a TCP/IP network is essential for network administrators, and invaluable for users of home systems that access the Internet. The book starts with the fundamentals -- what protocols do and how they work, how addresses and routing are used to move data through the network, how to set up your network connection -- and then covers, in detail, everything you need to know to exchange information via the Internet. Included are discussions on advanced routing protocols (RIPv2, OSPF, and BGP) and the gated software package that implements them, a tutorial on configuring important network services -- including DNS, Apache, sendmail, Samba, PPP, and DHCP -- as well as expanded chapters on troubleshooting and security. *TCP/IP Network Administration* is also a command and syntax reference for important packages such as gated, pppd, named, dhcpcd, and sendmail. With coverage that includes Linux, Solaris, BSD, and System V TCP/IP implementations, the third edition contains: Overview of TCP/IP Delivering the data Network services Getting startedM Basic configuration Configuring the interface Configuring routing Configuring DNS Configuring network servers Configuring sendmail Configuring Apache Network security Troubleshooting Appendices include dip, pppd, and chat

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reference, a gated reference, a dhcpd reference, and a sendmail reference This new edition includes ways of configuring Samba to provide file and print sharing on networks that integrate Unix and Windows, and a new chapter is dedicated to the important task of configuring the Apache web server. Coverage of network security now includes details on OpenSSH, stunnel, gpg, iptables, and the access control mechanism in xinetd. Plus, the book offers updated information about DNS, including details on BIND 8 and BIND 9, the role of classless IP addressing and network prefixes, and the changing role of registrars. Without a doubt, TCP/IP Network Administration, 3rd Edition is a must-have for all network administrators and anyone who deals with a network that transmits data over the Internet.

Everything Is Connected

Analyzing Social Media Networks with NodeXL offers backgrounds in information studies, computer science, and sociology. This book is divided into three parts: analyzing social media, NodeXL tutorial, and social-media network analysis case studies. Part I provides background in the history and concepts of social media and social networks. Also included here is social network analysis, which flows from measuring, to mapping, and modeling collections of connections. The next part focuses on the detailed operation of the free and open-source NodeXL extension of Microsoft Excel, which is used in all exercises throughout this book. In the final part, each chapter presents one form of social media, such as e-mail, Twitter, Facebook, Flickr, and Youtube. In addition, there are descriptions of each system, the nature of networks when people interact, and types of analysis for identifying people, documents, groups, and events. Walks you through NodeXL, while explaining the theory and development behind each step, providing takeaways that can apply to any SNA Demonstrates how visual analytics research can be applied to SNA tools for the mass market Includes case studies from researchers who use NodeXL on popular networks like email, Facebook, Twitter, and wikis Download companion materials and resources at <https://nodexl.codeplex.com/documentation>

Tribes

From Douglas Adams, the legendary author of one of the most beloved science fiction novels of all time, *The Hitchhiker's Guide to the Galaxy*, comes a wildly inventive novel—in trade paperback for the first time—of ghosts, time travel, and one detective's mission to save humanity from extinction. DIRK GENTLY'S HOLISTIC DETECTIVE AGENCY We solve the whole crime We find the whole person Phone today for the whole solution to your problem (Missing cats and messy divorces a specialty) Douglas Adams, the “master of wacky words and even wackier tales” (Entertainment Weekly) once again boggles the mind with a completely unbelievable story of ghosts, time travel, eccentric computer geniuses, Samuel Taylor Coleridge, the end of the world, and—of course—missing cats.

Revelations

Illustrated throughout in full colour, this pioneering text is the only book you need for an introduction to network science.

The Logic of Real Arguments

A NEW YORK TIMES 100 NOTABLE BOOKS OF 2019 SELECTION From #1 New York Times bestselling author Stephen King, the most riveting and unforgettable story of kids confronting evil since It. In the middle of the night, in a house on a quiet street in suburban Minneapolis, intruders silently murder Luke Ellis's parents and load him into a black SUV. The operation takes less than two minutes. Luke will wake up at The Institute, in a room that looks just like his own, except there's no window. And outside his door are other doors, behind which are other kids with special talents—telekinesis and telepathy—who got to this place the same way Luke did: Kalisha, Nick, George, Iris, and ten-year-old Avery Dixon. They are all in Front Half. Others, Luke learns, graduated to Back Half, "like the roach motel," Kalisha says. "You check in, but you don't check out." In this most sinister of institutions, the director, Mrs. Sigsby, and her staff are ruthlessly dedicated to extracting from these children the force of their extranormal gifts. There are no scruples here. If you go along, you get tokens for the vending machines. If you don't, punishment is brutal. As each new victim disappears to Back Half, Luke becomes more and more desperate to get out and get help. But no one has ever escaped from the Institute. As psychically terrifying as Firestarter, and with the spectacular kid power of It, The Institute is Stephen King's gut-wrenchingly dramatic story of good vs. evil in a world where the good guys don't always win.

Hoax

By the New York Times bestselling author of The Bone Clocks | Shortlisted for the Man Booker Prize A postmodern visionary and one of the leading voices in twenty-first-century fiction, David Mitchell combines flat-out adventure, a Nabokovian love of puzzles, a keen eye for character, and a taste for mind-bending, philosophical and scientific speculation in the tradition of Umberto Eco, Haruki Murakami, and Philip K. Dick. The result is brilliantly original fiction as profound as it is playful. In this groundbreaking novel, an influential favorite among a new generation of writers, Mitchell explores with daring artistry fundamental questions of reality and identity. Cloud Atlas begins in 1850 with Adam Ewing, an American notary voyaging from the Chatham Isles to his home in California. Along the way, Ewing is befriended by a physician, Dr. Goose, who begins to treat him for a rare species of brain parasite. . . . Abruptly, the action jumps to Belgium in 1931, where Robert Frobisher, a disinherited bisexual composer, contrives his way into the household of an infirm maestro who has a beguiling wife and a nubile daughter. . . . From there we jump to the West Coast in the 1970s and a troubled reporter named Luisa Rey, who stumbles upon a web of corporate greed and murder that threatens to claim her life. . . . And onward, with dazzling

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virtuosity, to an inglorious present-day England; to a Korean superstate of the near future where neocapitalism has run amok; and, finally, to a postapocalyptic Iron Age Hawaii in the last days of history. But the story doesn't end even there. The narrative then boomerangs back through centuries and space, returning by the same route, in reverse, to its starting point. Along the way, Mitchell reveals how his disparate characters connect, how their fates intertwine, and how their souls drift across time like clouds across the sky. As wild as a videogame, as mysterious as a Zen koan, *Cloud Atlas* is an unforgettable tour de force that, like its incomparable author, has transcended its cult classic status to become a worldwide phenomenon. Praise for *Cloud Atlas* “[David] Mitchell is, clearly, a genius. He writes as though at the helm of some perpetual dream machine, can evidently do anything, and his ambition is written in magma across this novel’s every page.”—The New York Times Book Review “One of those how-the-holy-hell-did-he-do-it? modern classics that no doubt is—and should be—read by any student of contemporary literature.”—Dave Eggers “Wildly entertaining . . . a head rush, both action-packed and chillingly ruminative.”—People “The novel as series of nested dolls or Chinese boxes, a puzzle-book, and yet—not just dazzling, amusing, or clever but heartbreaking and passionate, too. I’ve never read anything quite like it, and I’m grateful to have lived, for a while, in all its many worlds.”—Michael Chabon “*Cloud Atlas* ought to make [Mitchell] famous on both sides of the Atlantic as a writer whose fearlessness is matched by his talent.”—The Washington Post Book World “Thrilling . . . One of the biggest joys in *Cloud Atlas* is watching Mitchell sashay from genre to genre without a hitch in his dance step.”—Boston Sunday Globe “Grand and elaborate . . . [Mitchell] creates a world and language at once foreign and strange, yet strikingly familiar and intimate.”—Los Angeles Times From the Hardcover edition.

Future Crimes

This new and expanded edition of *The Logic of Real Arguments* explains a distinctive method for analysing and evaluating arguments. It discusses many examples, ranging from newspaper articles to extracts from classic texts, and from easy passages to much more difficult ones. It shows students how to use the question 'What argument or evidence would justify me in believing P?', and also how to deal with suppositional arguments beginning with the phrase 'Suppose that X were the case.' It aims to help students to think critically about the kind of sustained, theoretical arguments which they commonly encounter in the course of their studies, including arguments about the natural world, about society, about policy, and about philosophy. It will be valuable for students and their teachers in a wide range of disciplines including philosophy, law and the social sciences.

Everything Is Connected

What are "essential questions," and how do they differ from other kinds of questions? What's so great about them? Why should you design and use essential questions in your classroom? Essential questions (EQs) help target standards as you

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organize curriculum content into coherent units that yield focused and thoughtful learning. In the classroom, EQs are used to stimulate students' discussions and promote a deeper understanding of the content. Whether you are an Understanding by Design (UbD) devotee or are searching for ways to address standards—local or Common Core State Standards—in an engaging way, Jay McTighe and Grant Wiggins provide practical guidance on how to design, initiate, and embed inquiry-based teaching and learning in your classroom. Offering dozens of examples, the authors explore the usefulness of EQs in all K-12 content areas, including skill-based areas such as math, PE, language instruction, and arts education. As an important element of their backward design approach to designing curriculum, instruction, and assessment, the authors

- *Give a comprehensive explanation of why EQs are so important;
- *Explore seven defining characteristics of EQs;
- *Distinguish between topical and overarching questions and their uses;
- *Outline the rationale for using EQs as the focal point in creating units of study; and
- *Show how to create effective EQs, working from sources including standards, desired understandings, and student misconceptions.

Using essential questions can be challenging—for both teachers and students—and this book provides guidance through practical and proven processes, as well as suggested "response strategies" to encourage student engagement. Finally, you will learn how to create a culture of inquiry so that all members of the educational community—students, teachers, and administrators—benefit from the increased rigor and deepened understanding that emerge when essential questions become a guiding force for learners of all ages.

Six Degrees: The Science of a Connected Age

Cloud Atlas

How we raise young children is one of today's most highly personalized and sharply politicized issues, in part because each of us can claim some level of "expertise." The debate has intensified as discoveries about our development-in the womb and in the first months and years-have reached the popular media. How can we use our burgeoning knowledge to assure the well-being of all young children, for their own sake as well as for the sake of our nation? Drawing from new findings, this book presents important conclusions about nature-versus-nurture, the impact of being born into a working family, the effect of politics on programs for children, the costs and benefits of intervention, and other issues. The committee issues a series of challenges to decision makers regarding the quality of child care, issues of racial and ethnic diversity, the integration of children's cognitive and emotional development, and more. Authoritative yet accessible, *From Neurons to Neighborhoods* presents the evidence about "brain wiring" and how kids learn to speak, think, and regulate their behavior. It examines the effect of the climate-family, child care, community-within which the child grows.

The Seventh Sense

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Living with the Stars describes the many fascinating connections between the universe and the human body, which range from the makeup of DNA and human cells, growth and aging, to stellar evolution and the beginning of the universe. This popular science book should be of interest to anyone who wonders about the processes going on in our human bodies that connect us to our environment on Earth, to the Solar System, to the stars in our Galaxy, and even to the origin of the universe.

Just Mercy

The Anarchist Cookbook will shock, it will disturb, it will provoke. It places in historical perspective an era when "Turn on, Burn down, Blow up" are revolutionary slogans of the day. Says the author "This book is not written for the members of fringe political groups, such as the Weatherman, or The Minutemen. Those radical groups don't need this book. They already know everything that's in here. If the real people of America, the silent majority, are going to survive, they must educate themselves. That is the purpose of this book." In what the author considers a survival guide, there is explicit information on the uses and effects of drugs, ranging from pot to heroin to peanuts. There is detailed advice concerning electronics, sabotage, and surveillance, with data on everything from bugs to scramblers. There is a comprehensive chapter on natural, non-lethal, and lethal weapons, running the gamut from cattle prods to sub-machine guns to bows and arrows.

Six Degrees of Separation

Winner of the Newbery Medal and the National Book Award! This #1 New York Times bestselling, modern classic in which boys are forced to dig holes day in and day out is now available with a splashy new look. Stanley Yelnats is under a curse. A curse that began with his no-good-dirty-rotten-pig-stealing-great-great-grandfather and has since followed generations of Yelnatses. Now Stanley has been unjustly sent to a boys' detention center, Camp Green Lake, where the boys build character by spending all day, every day digging holes exactly five feet wide and five feet deep. There is no lake at Camp Green Lake. But there are an awful lot of holes. It doesn't take long for Stanley to realize there's more than character improvement going on at Camp Green Lake. The boys are digging holes because the warden is looking for something. But what could be buried under a dried-up lake? Stanley tries to dig up the truth in this inventive and darkly humorous tale of crime and punishment—and redemption. Includes a double bonus: an excerpt from *Small Steps*, the follow-up to *Holes*, as well as an excerpt from Louis Sachar's new middle-grade novel, *Fuzzy Mud*. "A smart jigsaw puzzle of a novel." --The New York Times WINNER OF THE BOSTON GLOBE-HORN BOOK AWARD A NEW YORK TIMES BOOK REVIEW NOTABLE CHILDREN'S BOOK SELECTED FOR NUMEROUS BEST BOOK OF THE YEAR AND ALA HONORS

Networks, Crowds, and Markets

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The term "Internet of Things" (IoT) refers to an ecosystem of interconnected physical objects and devices that are accessible through the Internet and can communicate with each other. The main strength of the IoT vision is the high impact it has created and will continue to do so on several aspects of the everyday life and behavior of its potential users. This book presents some of the state-of-the-art research work in the field of the IoT, especially on the issues of communication protocols, interoperability of protocols and semantics, trust security and privacy issues, reference architecture design, and standardization. It will be a valuable source of knowledge for researchers, engineers, practitioners, and graduate and doctoral students who are working in various fields of the IoT. It will also be useful for faculty members of graduate schools and universities.

Origin Story

If you're ready to build a large network system, this handy excerpt from Ethernet: The Definitive Guide, Second Edition gets you up to speed on a basic building block: Ethernet switches. Whether you're working on an enterprise or campus network, data center, or Internet service provider network, you'll learn how Ethernet switches function and how they're used in network designs. This brief tutorial also provides an overview of the most important features found in switches, from the basics to more advanced features found in higher-cost and specialized switches. Get an overview of basic switch operation, the spanning tree protocol, and switch performance issues Learn about switch management and some of the most widely used switch features Discover how a hierarchical design can help maintain stable network operations Delve into special-purpose switches, such as multi-layer, access, stacking, and wireless access-point switches Learn about advanced switch features designed for specific networking environments Dive deeper into switches, with a list of protocol and package documentation

The Institute

In this soaring and deeply provocative tragicomedy of race, class, and manners, John Guare has created the most important American play in years. Six Degrees of Separation is one of those rare works that capture both the supercharged pulse of our present era and the deepest and most mysterious movements of the human heart. Six Degrees of Separation won the 1990 New York Drama Critics Circle Award for Best Play, as well as the Hull Warriner Award and the Obie.

From Neurons to Neighborhoods

Celebrated scientists Nicholas Christakis and James Fowler explain the amazing power of social networks and our profound influence on one another's lives. Your colleague's husband's sister can make you fat, even if you don't know her. A happy

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neighbor has more impact on your happiness than a happy spouse. These startling revelations of how much we truly influence one another are revealed in the studies of Drs. Christakis and Fowler, which have repeatedly made front-page news nationwide. In *CONNECTED*, the authors explain why emotions are contagious, how health behaviors spread, why the rich get richer, even how we find and choose our partners. Intriguing and entertaining, *CONNECTED* overturns the notion of the individual and provides a revolutionary paradigm—that social networks influence our ideas, emotions, health, relationships, behavior, politics, and much more. It will change the way we think about every aspect of our lives.

Bursts

An architect of network theory summarizes his team's endeavor to create a blueprint of the world's networks, citing the scientific elements of the Internet, economies, terrorist organizations, and other knowledge-based groups. Reprint.

Network Science

In the bestselling tradition of Malcom Gladwell, James Gleick, and Nate Silver, prominent professor László Barabási gives us a trailblazing book that promises to transform the very foundations of how our success-obsessed society approaches their professional careers, life pursuits and long-term goals. Too often, accomplishment does not equal success. We did the work but didn't get the promotion; we played hard but weren't recognized; we had the idea but didn't get the credit. We convince ourselves that talent combined with a strong work ethic is the key to getting ahead, but also realize that combination often fails to yield results, without any deeper understanding as to why. Recognizing this striking disconnect, the author, along with a team of renowned researchers and some of the most advanced data-crunching systems on the planet, dedicated themselves to one goal: uncovering that ever-elusive link between performance and success. Now, based on years of academic research, *The Formula* finally unveils the groundbreaking discoveries of their pioneering study, not only highlighting the scientific and mathematic principles that underpin success, but also revolutionizing our understanding of: Why performance is necessary but not adequate Why "Experts" are often wrong How to assemble a creative team primed for success How to most effectively engage our networks "This is not just an important but an imperative project: to approach the problem of randomness and success using the state of the art scientific arsenal we have. Barabasi is the person."-Nassim Nicholas Taleb, author of the New York Times bestselling *The Black Swan* and Distinguished Professor of Risk Engineering at NYU

Internet of Things

NEW YORK TIMES and WALL STREET JOURNAL BESTSELLER ONE OF THE WASHINGTON POST'S 10 BEST BOOKS OF 2015 One

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of the world's leading authorities on global security, Marc Goodman takes readers deep into the digital underground to expose the alarming ways criminals, corporations, and even countries are using new and emerging technologies against you—and how this makes everyone more vulnerable than ever imagined. Technological advances have benefited our world in immeasurable ways, but there is an ominous flip side: our technology can be turned against us. Hackers can activate baby monitors to spy on families, thieves are analyzing social media posts to plot home invasions, and stalkers are exploiting the GPS on smart phones to track their victims' every move. We all know today's criminals can steal identities, drain online bank accounts, and wipe out computer servers, but that's just the beginning. To date, no computer has been created that could not be hacked—a sobering fact given our radical dependence on these machines for everything from our nation's power grid to air traffic control to financial services. Yet, as ubiquitous as technology seems today, just over the horizon is a tidal wave of scientific progress that will leave our heads spinning. If today's Internet is the size of a golf ball, tomorrow's will be the size of the sun. Welcome to the Internet of Things, a living, breathing, global information grid where every physical object will be online. But with greater connections come greater risks. Implantable medical devices such as pacemakers can be hacked to deliver a lethal jolt of electricity and a car's brakes can be disabled at high speed from miles away. Meanwhile, 3-D printers can produce AK-47s, bioterrorists can download the recipe for Spanish flu, and cartels are using fleets of drones to ferry drugs across borders. With explosive insights based upon a career in law enforcement and counterterrorism, Marc Goodman takes readers on a vivid journey through the darkest recesses of the Internet. Reading like science fiction, but based in science fact, *Future Crimes* explores how bad actors are primed to hijack the technologies of tomorrow, including robotics, synthetic biology, nanotechnology, virtual reality, and artificial intelligence. These fields hold the power to create a world of unprecedented abundance and prosperity. But the technological bedrock upon which we are building our common future is deeply unstable and, like a house of cards, can come crashing down at any moment. *Future Crimes* provides a mind-blowing glimpse into the dark side of technological innovation and the unintended consequences of our connected world. Goodman offers a way out with clear steps we must take to survive the progress unfolding before us. Provocative, thrilling, and ultimately empowering, *Future Crimes* will serve as an urgent call to action that shows how we can take back control over our own devices and harness technology's tremendous power for the betterment of humanity—before it's too late. From the Hardcover edition.

Ethernet

Explores the New Testament book of Revelation in a historical first-century context, reinterpreting the book as a scathing attack on the decadence of Rome that was subsequently adopted by early Christians as a weapon against heresy.

Nine Pints

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An examination of the AIDS crisis exposes the federal government for its inaction, health authorities for their greed, and scientists for their desire for prestige in the face of the AIDS pandemic.

Molecular Biology of the Cell

NEW YORK TIMES BESTSELLER WASHINGTON POST BESTSELLER Winner of the getAbstract 17th International Book Award "The Seventh Sense is a concept every businessman, diplomat, or student should aspire to master--a powerful idea, backed by stories and figures that will be impossible to forget." -- Walter Isaacson, author of Steve Jobs and Leonardo da Vinci
Endless terror. Refugee waves. An unfixable global economy. Surprising election results. New billion-dollar fortunes. Miracle medical advances. What if they were all connected? What if you could understand why? The Seventh Sense is the story of what all of today's successful figures see and feel: the forces that are invisible to most of us but explain everything from explosive technological change to uneasy political ripples. The secret to power now is understanding our new age of networks. Not merely the Internet, but also webs of trade, finance, and even DNA. Based on his years of advising generals, CEOs, and politicians, Ramo takes us into the opaque heart of our world's rapidly connected systems and teaches us what the losers are not yet seeing--and what the victors of this age already know.

Ethernet Switches

This New York Times bestseller "elegantly weaves evidence and insights . . . into a single, accessible historical narrative" (Bill Gates) and presents a captivating history of the universe -- from the Big Bang to dinosaurs to mass globalization and beyond. Most historians study the smallest slivers of time, emphasizing specific dates, individuals, and documents. But what would it look like to study the whole of history, from the big bang through the present day -- and even into the remote future? How would looking at the full span of time change the way we perceive the universe, the earth, and our very existence? These were the questions David Christian set out to answer when he created the field of "Big History," the most exciting new approach to understanding where we have been, where we are, and where we are going. In Origin Story, Christian takes readers on a wild ride through the entire 13.8 billion years we've come to know as "history." By focusing on defining events (thresholds), major trends, and profound questions about our origins, Christian exposes the hidden threads that tie everything together -- from the creation of the planet to the advent of agriculture, nuclear war, and beyond. With stunning insights into the origin of the universe, the beginning of life, the emergence of humans, and what the future might bring, Origin Story boldly reframes our place in the cosmos.

The Anarchist Cookbook

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Chances are, at some point in your life you've noticed the connection between your brain and your gut. If you've ever felt queasy as you walked into an uncomfortable situation or based a life decision based on a "gut feeling," then you know that sometimes our bodies react faster than our minds. Most of us have also experienced the same phenomenon in reverse, where our mental state has affected our digestive system—like the butterflies in our stomach before an important meeting or a first date. But while the dialogue between the mind and the gut has been recognized for centuries, scientists today are just starting to understand how powerful that connection is. In *The Mind-Gut Connection*, Dr. Emeran Mayer, executive director of the UCLA Oppenheimer Center for the Neurobiology of Stress, offers a cutting-edge view into this developing science, showing us the full impact of how the brain, gut, and microbiome—the community of microorganisms that live inside the digestive tract—communicate. As Dr. Mayer explains, when this communication channel is out of whack, major health problems can crop up, including food sensitivities and allergies, digestive disorders, obesity, depression, anxiety, and fatigue. *The Mind-Gut Connection* teaches us how, with a few simple changes to our diet and lifestyle, we can enjoy a happier mindset, enhanced immunity, a decreased risk of developing neurological diseases such as Parkinson's and Alzheimer's, and even lose weight. With a simple, practical regimen drawn from the latest research, Dr. Mayer shows us that paying attention to the mind-gut balance is the key to unlocking vibrant health.

Connected

Highlights the many ways we are all linked to the world around us.

Holes

An eye-opening exploration of blood, the life-giving substance with the power of taboo, the value of diamonds and the promise of breakthrough science. Blood carries life, yet the sight of it makes people faint. It is a waste product and a commodity pricier than oil. It can save lives and transmit deadly infections. Each one of us has roughly nine pints of it, yet many don't even know their own blood type. And for all its ubiquitousness, the few tablespoons of blood discharged by 800 million women are still regarded as taboo: menstruation is perhaps the single most demonized biological event. Rose George, author of *The Big Necessity*, is renowned for her intrepid work on topics that are invisible but vitally important. In *Nine Pints*, she takes us from ancient practices of bloodletting to the breakthrough of the "liquid biopsy," which promises to diagnose cancer and other diseases with a simple blood test. She introduces Janet Vaughan, who set up the world's first system of mass blood donation during the Blitz, and Arunachalam Muruganatham, known as "Menstrual Man" for his work on sanitary pads for developing countries. She probes the lucrative business of plasma transfusions, in which the US is known as the "OPEC of plasma." And she looks to the future, as researchers seek to bring synthetic blood to a hospital near you. Spanning science and politics, stories and global epidemics, *Nine Pints* reveals our life's blood in an entirely new light.

Nine Pints was named one of Bill Gates recommended summer reading titles for 2019.

And The Band Played on

Since the mid-twentieth century, conspiracy has pervaded our collective worldview, shaped by events such as the assassination of John F. Kennedy, the Vietnam War, Watergate, the Iran-Contra affair, and 9/11. *Everything Is Connected* examines how artists from the 1960s to the present have explored both the covert operations of power and the mutual suspicion between governments and their citizens. Featured are works by some thirty artists—including Sarah Charlesworth, Emory Douglas, Hans Haacke, Rachel Harrison, Jenny Holzer, Mike Kelley, Mark Lombardi, Cady Noland, Trevor Paglen, Raymond Pettibon, Jim Shaw, and Sue Williams—in media ranging from painting, drawing, and photography to video and installation art. Whether they uncover webs of deceit hidden in the public record or dive headlong into paranoid fever dreams, these artists use their work to take a powerful and proactive stance against the political corruption, consumerism, bureaucracy, and media manipulation that are hallmarks of contemporary life. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 14.0px Verdana}

Seven Databases in Seven Weeks

In the 1980's, James Gleick's *Chaos* introduced the world to complexity. Now, Albert-László Barabási's *Linked* reveals the next major scientific leap: the study of networks. We've long suspected that we live in a small world, where everything is connected to everything else. Indeed, networks are pervasive--from the human brain to the Internet to the economy to our group of friends. These linkages, it turns out, aren't random. All networks, to the great surprise of scientists, have an underlying order and follow simple laws. Understanding the structure and behavior of these networks will help us do some amazing things, from designing the optimal organization of a firm to stopping a disease outbreak before it spreads catastrophically. In *Linked*, Barabási, a physicist whose work has revolutionized the study of networks, traces the development of this rapidly unfolding science and introduces us to the scientists carrying out this pioneering work. These "new cartographers" are mapping networks in a wide range of scientific disciplines, proving that social networks, corporations, and cells are more similar than they are different, and providing important new insights into the interconnected world around us. This knowledge, says Barabási, can shed light on the robustness of the Internet, the spread of fads and viruses, even the future of democracy. Engaging and authoritative, *Linked* provides an exciting preview of the next century in science, guaranteed to be transformed by these amazing discoveries. From *Linked*: This book has a simple message: think networks. It is about how networks emerge, what they look like, and how they evolve. It aims to develop a web-based view of nature, society, and technology, providing a unified framework to better understand issues ranging from the vulnerability of the Internet to the spread of diseases. Networks are present everywhere. All we need is an eye for

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themWe will see the challenges doctors face when they attempt to cure a disease by focusing on a single molecule or gene, disregarding the complex interconnected nature of the living matter. We will see that hackers are not alone in attacking networks: we all play Goliath, firing shots at a fragile ecological network that, without further support, could soon replicate our worst nightmares by turning us into an isolated group of speciesLinked is meant to be an eye-opening trip that challenges you to walk across disciplines by stepping out of the box of reductionism. It is an invitation to explore link by link the next scientific revolution: the new science of networks.

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