

Evolutionary Analysis Fifth Edition

Digital Sport for Performance Enhancement and Competitive Evolution: Intelligent Gaming Technologies
Introductory Chemistry
MATLAB® Recipes for Earth Sciences
Physical Metallurgy
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Evolutionary Analysis
A Guide to the Project Management Body of Knowledge (PMBOK®) Guide - Sixth Edition / Agile Practice Guide Bundle (HINDI)
The Psychology of Criminal Conduct
Eckert Animal Physiology
Writing Papers in the Biological Sciences
Fluid Mechanics
Fundamentals of Information Systems
Software Evolution with UML and XML
Fenner and White's Medical Virology
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The Prentice Hall Guide to Evaluating Online Resources with Research Navigator
Evolution
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Multi-Agent Applications with Evolutionary Computation and Biologically Inspired Technologies: Intelligent Techniques for Ubiquity and Optimization
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Computer Organization, Design, and Architecture, Fifth Edition
Phylogenetic Trees Made Easy
Veterinary Ophthalmology
Corporate Finance
The Emergence and Evolution of Religion
Biology of the Invertebrates
Biological Safety
The Prefrontal Cortex

Digital Sport for Performance Enhancement and Competitive Evolution: Intelligent Gaming Technologies

To support the broadening spectrum of project delivery approaches, PMI is offering A Guide to the Project Management Body of Knowledge (PMBOK® Guide) - Sixth Edition as a bundle with its latest, the Agile Practice Guide. The PMBOK® Guide - Sixth Edition now contains detailed information about agile; while the Agile Practice Guide, created in partnership with Agile Alliance®, serves as a bridge to connect waterfall and agile. Together they are a powerful tool for project managers. The PMBOK® Guide - Sixth Edition - PMI's flagship publication has been updated to reflect the latest good practices in project management. New to the Sixth Edition, each knowledge area will contain a section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge—including discussion of project management business documents—and information on the PMI Talent Triangle™ and the essential skills for success in today's market. Agile Practice Guide has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) - Sixth Edition, and was developed as the result of collaboration

between the Project Management Institute and the Agile Alliance.

Introductory Chemistry

Merging theory and practice into a comprehensive, highly-anticipated text Corporate Finance continues its legacy as one of the most popular financial textbooks, with well-established content from a diverse and highly respected author team. Unique in its features, this valuable text blends theory and practice with a direct, succinct style and commonsense presentation. Readers will be introduced to concepts in a situational framework, followed by a detailed discussion of techniques and tools. This latest edition includes new information on venture finance and debt structuring, and has been updated throughout with the most recent statistical tables. The companion website provides statistics, graphs, charts, articles, computer models, and classroom tools, and the free monthly newsletter keeps readers up to date on the latest happenings in the field. The authors have generously made themselves available for questions, promising an answer in seventy-two hours. Emphasizing how key concepts relate to real-world situations is what makes Corporate Finance a valuable reference with real relevance to the professional and student alike. Readers will gain insight into the methods and tools that shape the industry, allowing them to: Analyze investments with regard to hurdle rates, cash flows, side costs, and more Delve into the financing process and learn the tools and techniques of valuation Understand cash dividends and buybacks, spinoffs, and divestitures Explore the link between valuation and corporate finance As the global economy begins to recover, access to the most current information and statistics will be required. To remain relevant in the evolving financial environment, practitioners will need a deep understanding of the mechanisms at work. Corporate Finance provides the expert guidance and detailed explanations for those requiring a strong foundational knowledge, as well as more advanced corporate finance professionals.

MATLAB® Recipes for Earth Sciences

The latest edition of a popular text and reference on database research, with substantial new material and revision; covers classical literature and recent hot topics. Lessons from database research have been applied in academic fields ranging from bioinformatics to next-generation Internet architecture and in industrial uses including Web-based e-commerce and search engines. The core ideas in the field have become increasingly influential. This text provides both students and professionals with a grounding in database research and a technical context for understanding recent innovations in the field. The readings included treat the most important issues in the database area--the basic material for any DBMS professional. This fourth edition has been substantially updated and revised, with 21 of the 48 papers new to the edition, four of them published for the first time. Many of the sections have been newly organized, and each section includes a new or substantially revised introduction that discusses the context, motivation, and controversies in a particular area, placing it in the broader perspective of database research. Two introductory articles, never before published, provide an organized,

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current introduction to basic knowledge of the field; one discusses the history of data models and query languages and the other offers an architectural overview of a database system. The remaining articles range from the classical literature on database research to treatments of current hot topics, including a paper on search engine architecture and a paper on application servers, both written expressly for this edition. The result is a collection of papers that are seminal and also accessible to a reader who has a basic familiarity with database systems.

Physical Metallurgy

Fenner and White's Medical Virology, Fifth Edition provides an integrated view of related sciences, from cell biology, to medical epidemiology and human social behavior. The perspective represented by this book, that of medical virology as an infectious disease science, is meant to provide a starting point, an anchor, for those who must relate the subject to clinical practice, public health practice, scholarly research, and other endeavors. The book presents detailed exposition on the properties of viruses, how viruses replicate, and how viruses cause disease. These chapters are then followed by an overview of the principles of diagnosis, epidemiology, and how virus infections can be controlled. The first section concludes with a discussion on emergence and attempts to predict the next major public health challenges. These form a guide for delving into the specific diseases of interest to the reader as described in Part II. This lucid and concise, yet comprehensive, text is admirably suited to the needs of not only advanced students of science and medicine, but also postgraduate students, teachers, and research workers in all areas of virology. Features updated and expanded coverage of pathogenesis and immunity Contains the latest laboratory diagnostic methods Provides insights into clinical features of human viral disease, vaccines, chemotherapy, epidemiology, and control

Time Series Analysis

Helping you focus on mastering the quantitative skills and conceptual knowledge you need to get a true understanding of chemistry, this text continues the tradition of relevance that makes it so effective. Now including MasteringChemistry, the online homework, tutorial, and assessment product with a demonstrated record of helping students quickly master concepts, this edition includes new opportunities for you to practice key concepts. MasteringChemistry provides seamless synergy with the text to create a dynamic learning program that enables you to learn both in and out of the classroom.

Marcus and Feldman's Osteoporosis

An ethologist shows man to be a gene machine whose world is one of savage competition and deceit

Evolutionary Analysis

Written by leading theorists and empirical researchers, this book presents new ways of addressing the old question: Why did religion first emerge and then continue to evolve in all human societies? The authors of the book—each with a different background across the social sciences and humanities—assimilate conceptual leads and empirical findings from anthropology, evolutionary biology, evolutionary sociology, neurology, primate behavioral studies, explanations of human interaction and group dynamics, and a wide range of religious scholarship to construct a deeper and more powerful explanation of the origins and subsequent evolutionary development of religions than can currently be found in what is now vast literature. While explaining religion has been a central question in many disciplines for a long time, this book draws upon a much wider array of literature to develop a robust and cross-disciplinary analysis of religion. The book remains true to its subtitle by emphasizing an array of both biological and sociocultural forms of selection dynamics that are fundamental to explaining religion as a universal institution in human societies. In addition to Darwinian selection, which can explain the biology and neurology of religion, the book outlines a set of four additional types of sociocultural natural selection that can fill out the explanation of why religion first emerged as an institutional system in human societies, and why it has continued to evolve over the last 300,000 years of societal evolution. These sociocultural forms of natural selection are labeled by the names of the early sociologists who first emphasized them, and they can be seen as a necessary supplement to the type of natural selection theorized by Charles Darwin. Explanations of religion that remain in the shadow cast by Darwin's great insights will, it is argued, remain narrow and incomplete when explaining a robust sociocultural phenomenon like religion.

Evolutionary Analysis

For undergraduate courses in Evolution By presenting evolutionary biology as a dynamic, ongoing research effort and organizing discussions around questions, this best-selling text helps students think like scientists as they learn about evolution. The authors convey the excitement and logic of evolutionary science by introducing principles through recent and classical studies, and by emphasizing real-world applications. In the Fifth Edition, co-author Jon Herron takes the lead in streamlining and updating content to reflect key changes in the field. The design and art program have also been updated for enhanced clarity.

A Guide to the Project Management Body of Knowledge (PMBOK(R) Guide-Sixth Edition / Agile Practice Guide Bundle (HINDI)

Suitable for a one- or two-semester undergraduate or beginning graduate course in computer science and computer engineering, Computer Organization, Design, and Architecture, Fifth Edition presents the operating principles, capabilities,

and limitations of digital computers to enable the development of complex yet efficient systems. With 11 new sections and four revised sections, this edition takes students through a solid, up-to-date exploration of single- and multiple-processor systems, embedded architectures, and performance evaluation. See What's New in the Fifth Edition Expanded coverage of embedded systems, mobile processors, and cloud computing Material for the "Architecture and Organization" part of the 2013 IEEE/ACM Draft Curricula for Computer Science and Engineering Updated commercial machine architecture examples The backbone of the book is a description of the complete design of a simple but complete hypothetical computer. The author then details the architectural features of contemporary computer systems (selected from Intel, MIPS, ARM, Motorola, Cray and various microcontrollers, etc.) as enhancements to the structure of the simple computer. He also introduces performance enhancements and advanced architectures including networks, distributed systems, GRIDs, and cloud computing. Computer organization deals with providing just enough details on the operation of the computer system for sophisticated users and programmers. Often, books on digital systems' architecture fall into four categories: logic design, computer organization, hardware design, and system architecture. This book captures the important attributes of these four categories to present a comprehensive text that includes pertinent hardware, software, and system aspects.

The Psychology of Criminal Conduct

Veterinary Ophthalmology, Fifth Edition is a fully updated version of the gold-standard reference for diseases and treatment of the animal eye in veterinary medicine. With an internationally renowned list of contributing authors, the book has been revised and expanded to incorporate the most up-to-date research and information. New chapters cover ophthalmic genetics and DNA tests, microsurgery, photography, camelid ophthalmology, and rabbit ophthalmology, and existing chapters feature expanded coverage of noninvasive imaging techniques, feline ophthalmology, equine ophthalmology, and marine mammals and penguins. The book retains its classic structure, with sections on basic vision sciences, the foundations of clinical ophthalmology, canine ophthalmology, and special ophthalmology, which encompasses specific coverage of most commonly treated species and chapters on neuro-ophthalmology and systemic diseases. A companion website offers the images from the book available for download in PowerPoint and the references linked to CrossRef. Veterinary Ophthalmology remains the most comprehensive resource for authoritative information on veterinary ophthalmology worldwide and is a key reference for anyone interested in veterinary or comparative ophthalmology.

Eckert Animal Physiology

This classic animal physiology text focuses on comparative examples that illustrate the general principles of physiology at all levels of organisation—from molecular mechanisms to regulated physiological systems to whole organisms in their environment. This textbook is an authoritative and complete guide to the field of animal physiology which uses a threefold

approach to teaching. The Comparative Approach emphasises basic mechanisms but allows patterns of physiological function in different species to demonstrate how evolution creates diversity. This approach encourages students to appreciate the underlying principles that govern physiological systems. The Experimental Emphasis helps students to understand the process of scientific discovery and shows how our knowledge of physiology continually increases and finally the Integrative Approach presents information about specific physiological systems at all levels of organisation, from molecular interactions to interactions between an organism and its environment.n included.

Writing Papers in the Biological Sciences

Combining the latest research and most current coverage available into a succinct nine chapters, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E equips students with a solid understanding of the core principles of IS and how it is practiced. The streamlined 560-page eighth edition features a wealth of new examples, figures, references, and cases as it covers the latest developments from the field--and highlights their impact on the rapidly changing role of today's IS professional. In addition to a stronger career emphasis, the text includes expanded coverage of mobile solutions, energy and environmental concerns, the increased use of cloud computing across the globe, and two cases per chapter. Learning firsthand how information systems can increase profits and reduce costs, students explore new information on e-commerce and enterprise systems, artificial intelligence, virtual reality, green computing, and other issues reshaping the industry. The text introduces the challenges and risks of computer crimes, hacking, and cyberterrorism. It also presents some of the most current research on virtual communities, global IS work solutions, and social networking. No matter where students' career paths may lead, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E and its resources can help them maximize their success as employees, decision makers, and business leaders. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Fluid Mechanics

Douglas Futuyma presents an overview of current thinking on theories of evolution, aimed at an undergraduate audience.

Fundamentals of Information Systems

Software Evolution with UML and XML

Gives students access to the most current information available via EBSCO's Content Select Academic Journal Database,

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The New York Times Search By Subject Archive, “Best of the Web” Link Library and information on the latest news and current events.

Fenner and White's Medical Virology

This book provides step-by-step procedures to help police administrators execute their duties and fulfill their responsibilities more effectively, efficiently and productively. Divided into sections-behavioral aspects of police management, functional aspects of police management, and modern police management: major issues-it introduces the reader to a broad range of topics with which all police managers should be familiar.

Biological Science

Introduction to Emergency Management, Fifth Edition, offers a fully up-to-date analysis of US emergency management principles. In addition to expanding coverage of risk management in a time of climate change and terrorism, Haddow, Bullock, and Coppola discuss the impact of new emergency management technologies, social media, and an increasing focus on recovery. They examine the effects of the 2012 election results and discuss FEMA’s controversial National Flood Insurance Program (NFIP). Introduction to Emergency Management, Fifth Edition, gives instructors and students the best textbook content, instructor-support materials, and online resources to prepare future EM professionals for this demanding career. Introduction to FEMA's Whole Community disaster preparedness initiative Material on recent disaster events, including the Boston Marathon Bombing (2013), Hurricane Sandy (2012), the Joplin Tornado (2011), the Haiti Earthquake (2011), and the Great East Japan Earthquake (2010) New and updated material on the Department of Homeland Security and the ongoing efforts of the emergency management community to manage terrorism hazards Top-of-the-line ancillaries that can be uploaded to Blackboard and other course management systems.

Evolutionary Analysis

Written by a professional biologist who is also an experienced writing teacher, this comprehensive guide for students writing in biology, zoology, and botany provides detailed instruction on researching, drafting, revising, and documenting papers, reviews, poster presentations, and other forms of science writing. The sixth edition features an expanded and revised chapter 1 on research strategies and sources, a greater diversity of examples from different subdisciplines (molecular biology, animal ecology, and genetics), and new technology tips throughout for searching databases and using software designed for charts, graphs, note-taking, and documentation.

The Prentice Hall Guide to Evaluating Online Resources with Research Navigator

"This book compiles numerous ongoing projects and research efforts in the design of agents in light of recent development in neurocognitive science and quantum physics, providing readers with interdisciplinary applications of multi-agents systems, ranging from economics to engineering"--Provided by publisher.

Evolution

For undergraduate courses in Evolution By presenting evolutionary biology as a dynamic, ongoing research effort and organizing discussions around questions, this best-selling text helps you think like a scientist as you learn about evolution. The authors convey the excitement and logic of evolutionary science by introducing principles through recent and classical studies, and by emphasizing real-world applications. In the Fifth Edition, co-author Jon Herron takes the lead in streamlining and updating content to reflect key changes in the field. The design and art program have also been updated for enhanced clarity.

Readings in Database Systems

This fifth edition of the highly regarded family of titles that first published in 1965 is now a three-volume set and over 3,000 pages. All chapters have been revised and expanded, either by the fourth edition authors alone or jointly with new co-authors. Chapters have been added on the physical metallurgy of light alloys, the physical metallurgy of titanium alloys, atom probe field ion microscopy, computational metallurgy, and orientational imaging microscopy. The books incorporate the latest experimental research results and theoretical insights. Several thousand citations to the research and review literature are included. Exhaustively synthesizes the pertinent, contemporary developments within physical metallurgy so scientists have authoritative information at their fingertips Replaces existing articles and monographs with a single, complete solution Enables metallurgists to predict changes and create novel alloys and processes

The Selfish Gene

This is the most comprehensive introductory graduate or advanced undergraduate text in fluid mechanics available. It builds from the fundamentals, often in a very general way, to widespread applications to technology and geophysics. In most areas, an understanding of this book can be followed up by specialized monographs and the research literature. The material added to this new edition will provide insights gathered over 45 years of studying fluid mechanics. Many of these insights, such as universal dimensionless similarity scaling for the laminar boundary layer equations, are available nowhere

else. Likewise for the generalized vector field derivatives. Other material, such as the generalized stream function treatment, shows how stream functions may be used in three-dimensional flows. The CFD chapter enables computations of some simple flows and provides entrée to more advanced literature. *New and generalized treatment of similar laminar boundary layers. *Generalized treatment of streamfunctions for three-dimensional flow . *Generalized treatment of vector field derivatives. *Expanded coverage of gas dynamics. *New introduction to computational fluid dynamics. *New generalized treatment of boundary conditions in fluid mechanics. *Expanded treatment of viscous flow with more examples.

Multi-Agent Applications with Evolutionary Computation and Biologically Inspired Technologies: Intelligent Techniques for Ubiquity and Optimization

Praise for the Fourth Edition: "This book is . . . an excellent source of examples for regression analysis. It has been and still is readily readable and understandable." —Journal of the American Statistical Association Regression analysis is a conceptually simple method for investigating relationships among variables. Carrying out a successful application of regression analysis, however, requires a balance of theoretical results, empirical rules, and subjective judgment. Regression Analysis by Example, Fifth Edition has been expanded and thoroughly updated to reflect recent advances in the field. The emphasis continues to be on exploratory data analysis rather than statistical theory. The book offers in-depth treatment of regression diagnostics, transformation, multicollinearity, logistic regression, and robust regression. The book now includes a new chapter on the detection and correction of multicollinearity, while also showcasing the use of the discussed methods on newly added data sets from the fields of engineering, medicine, and business. The Fifth Edition also explores additional topics, including: Surrogate ridge regression Fitting nonlinear models Errors in variables ANOVA for designed experiments Methods of regression analysis are clearly demonstrated, and examples containing the types of irregularities commonly encountered in the real world are provided. Each example isolates one or two techniques and features detailed discussions, the required assumptions, and the evaluated success of each technique. Additionally, methods described throughout the book can be carried out with most of the currently available statistical software packages, such as the software package R. Regression Analysis by Example, Fifth Edition is suitable for anyone with an understanding of elementary statistics.

Emerging Technologies for the Evolution and Maintenance of Software Models

Completely revised and updated, this respected reference offers comprehensive and current coverage of every aspect of vaccination—from development to use in reducing disease. It provides authoritative information on vaccine production, available preparations, efficacy, and safety recommendations for vaccine use, with rationales data on the impact of vaccination programs on morbidity and mortality and more. And now, as an Expert Consult title, it includes a companion web site offering this unparalleled guidance where and when you need it most! Provides a complete understanding of each

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disease, including clinical characteristics, microbiology, pathogenesis, diagnosis, and treatment, as well as epidemiology and public health issues. Offers comprehensive coverage of both existing vaccines and vaccines currently in the research and development stage. Examines vaccine stability, immunogenicity, efficacy, duration of immunity, adverse events, indications, contraindications, precautions, administration with other vaccines, and disease control strategies. Analyses the cost-benefit and cost-effectiveness of vaccines. Discusses the proper use of immune globulins and antitoxins. Illustrates concepts and objective data with approximately 600 tables and figures. Includes access to a companion web site offering the complete contents of the book - fully searchable - for rapid consultation from anyplace with an Internet connection.

Primate Behavioral Ecology

This title provides a forum where expert insights are presented on the subject of linking three current phenomena: software evolution, UML and XML.

Vaccines

Model-driven software development drastically alters the software development process, which is characterized by a high degree of innovation and productivity. Emerging Technologies for the Evolution and Maintenance of Software Models contains original academic work about current research and research projects related to all aspects affecting the maintenance, evolution, and reengineering (MER), as well as long-term management, of software models. The mission of this book is to present a comprehensive and central overview of new and emerging trends in software model research and to provide concrete results from ongoing developments in the field.

Introduction to Emergency Management

Regression Analysis by Example

The Third Chimpanzee

The Prefrontal Cortex, Fifth Edition, provides users with a thoroughly updated version of this comprehensive work that has historically served as the classic reference on this part of the brain. The book offers a unifying, interdisciplinary perspective that is lacking in other volumes written about the frontal lobes, and is, once again, written by the award-winning author who

discovered "memory cells," the physiological substrate of working memory. The fifth edition constitutes a comprehensive update, including all the major advances made on the physiology and cognitive neuroscience of the region since publication in 2008. All chapters have been fully revised, and the overview of prefrontal functions now interprets experimental data within the theoretical framework of the new paradigm of cortical structure and dynamics (the Cognit Paradigm), addressing the accompanying social, economic, and cultural implications. Provides a distinctly interdisciplinary view of the prefrontal cortex, covering all major methodologies, from comparative anatomy to modern imaging Unique analysis and synthesis of a large body of basic and clinical data on the subject (more than 2000 references) Written by an award-winning author who discovered "memory cells," the physiological substrate of working memory Synthesizes evidence that the prefrontal cortex constitutes a complex pre-adaptive system Incorporates emerging study of the role of the frontal lobes in social, economic, and cultural adaptation

Evolutionary Analysis, Global Edition

This textbook is the most concise and readable invertebrates book in terms of detail and pedagogy (other texts do not offer boxed readings, a second color, end of chapter questions, or pronunciation guides). All phyla of invertebrates are covered (comprehensive) with an emphasis on unifying characteristics of each group.

Adaptation in Natural and Artificial Systems

Praise for the Fourth Edition "As with previous editions, the authors have produced a leading textbook on regression." —Journal of the American Statistical Association A comprehensive and up-to-date introduction to the fundamentals of regression analysis Introduction to Linear Regression Analysis, Fifth Edition continues to present both the conventional and less common uses of linear regression in today's cutting-edge scientific research. The authors blend both theory and application to equip readers with an understanding of the basic principles needed to apply regression model-building techniques in various fields of study, including engineering, management, and the health sciences. Following a general introduction to regression modeling, including typical applications, a host of technical tools are outlined such as basic inference procedures, introductory aspects of model adequacy checking, and polynomial regression models and their variations. The book then discusses how transformations and weighted least squares can be used to resolve problems of model inadequacy and also how to deal with influential observations. The Fifth Edition features numerous newly added topics, including: A chapter on regression analysis of time series data that presents the Durbin-Watson test and other techniques for detecting autocorrelation as well as parameter estimation in time series regression models Regression models with random effects in addition to a discussion on subsampling and the importance of the mixed model Tests on individual regression coefficients and subsets of coefficients Examples of current uses of simple linear regression models

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and the use of multiple regression models for understanding patient satisfaction data. In addition to Minitab, SAS, and S-PLUS, the authors have incorporated JMP and the freely available R software to illustrate the discussed techniques and procedures in this new edition. Numerous exercises have been added throughout, allowing readers to test their understanding of the material. Introduction to Linear Regression Analysis, Fifth Edition is an excellent book for statistics and engineering courses on regression at the upper-undergraduate and graduate levels. The book also serves as a valuable, robust resource for professionals in the fields of engineering, life and biological sciences, and the social sciences.

Introduction to Linear Regression Analysis

The Development of an Extraordinary Species We human beings share 98 percent of our genes with chimpanzees. Yet humans are the dominant species on the planet -- having founded civilizations and religions, developed intricate and diverse forms of communication, learned science, built cities, and created breathtaking works of art -- while chimps remain animals concerned primarily with the basic necessities of survival. What is it about that two percent difference in DNA that has created such a divergence between evolutionary cousins? In this fascinating, provocative, passionate, funny, endlessly entertaining work, renowned Pulitzer Prize-winning author and scientist Jared Diamond explores how the extraordinary human animal, in a remarkably short time, developed the capacity to rule the world . . . and the means to irrevocably destroy it.

Computer Organization, Design, and Architecture, Fifth Edition

Provides an overview of the increasing level of digitization in sport including areas of gaming and athlete training.

Phylogenetic Trees Made Easy

List of figures. Preface to the 1992 edition. Preface. The general setting. A formal framework. Illustrations. Schemata. The optimal allocation of trials. Reproductive plans and genetic operators. The robustness of genetic plans. Adaptation of codings and representations. An overview. Interim and prospectus. Glossary of important symbols.

Veterinary Ophthalmology

Supports and motivates you as you learn to think like a biologist. Building upon Scott Freeman's unique narrative style that incorporates the Socratic approach and draws you into thinking like a biologist, the Fourth Edition has been carefully refined to motivate and support a broader range of learners as they are introduced to new concepts and encouraged to develop

and practice new skills. Each page of the book is designed in the spirit of active learning and instructional reinforcement, equipping novice learners with tools that help them advance in the course--from recognizing essential information in highlighted sections to demonstrating and applying their understanding of concepts in practice exercises that gradually build in difficulty.

Corporate Finance

Biological safety and biosecurity protocols are essential to the reputation and responsibility of every scientific institution, whether research, academic, or production. Every risk—no matter how small—must be considered, assessed, and properly mitigated. If the science isn't safe, it isn't good. Now in its fifth edition, *Biological Safety: Principles and Practices* remains the most comprehensive biosafety reference. Led by editors Karen Byers and Dawn Wooley, a team of expert contributors have outlined the technical nuts and bolts of biosafety and biosecurity within these pages. This book presents the guiding principles of laboratory safety, including: the identification, assessment, and control of the broad variety of risks encountered in the lab; the production facility; and, the classroom. Specifically, *Biological Safety* covers protection and control elements—from biosafety level cabinets and personal protection systems to strategies and decontamination methods administrative concerns in biorisk management, including regulations, guidelines, and compliance various aspects of risk assessment covering bacterial pathogens, viral agents, mycotic agents, protozoa and helminths, gene transfer vectors, zoonotic agents, allergens, toxins, and molecular agents as well as decontamination, aerobiology, occupational medicine, and training A resource for biosafety professionals, instructors, and those who work with pathogenic agents in any capacity, *Biological Safety* is also a critical reference for laboratory managers, and those responsible for managing biohazards in a range of settings, including basic and agricultural research, clinical laboratories, the vivarium, field study, insectories, and greenhouses.

The Emergence and Evolution of Religion

Introduces methods of data analysis in geosciences using MATLAB such as basic statistics for univariate, bivariate and multivariate datasets, jackknife and bootstrap resampling schemes, processing of digital elevation models, gridding and contouring, geostatistics and kriging, processing and georeferencing of satellite images, digitizing from the screen, linear and nonlinear time-series analysis and the application of linear time-invariant and adaptive filters. Includes a brief description of each method and numerous examples demonstrating how MATLAB can be used on data sets from earth sciences.

Biology of the Invertebrates

Biological Safety

Marcus and Feldman's Osteoporosis, Fifth Edition, is the most comprehensive, authoritative reference on this disease. Led by a new editorial team, this fifth edition offers critical information on reproductive and hormonal risk factors, new therapeutics, ethnicity, nutrition, therapeutics, management and economics, comprising a tremendous wealth of knowledge in a single source not found elsewhere. Written by renowned experts in the field, this two-volume reference is a must-have for biomedical researchers, research clinicians, fellows, academic and medical libraries, and any company involved in osteoporosis drug research and development. Summarizes the latest research in bone biology and translational applications in a range of new therapeutic agents, including essential updates on therapeutic uses of calcium, vitamin D, SERMS, bisphosphonates, parathyroid hormone, and new therapeutic agents Recognizes the critical importance of new signaling pathways for bone health, including Wnt, OPG and RANK, of interest to both researchers who study bone biology and clinicians who treat osteoporosis Offers new insights into osteoporosis associated with menopause, pre-menopause, chronic kidney disease, diabetes, HIV and other immune disorders

The Prefrontal Cortex

This comprehensive introductory text integrates evolutionary, ecological, and demographic perspectives with new results from field studies and contemporary noninvasive molecular and hormonal techniques to understand how different primates behave and the significance of these insights for primate conservation. Each chapter is organized around the major research themes in the field, with Strier emphasizing the interplay between theory, observations, and conservation issues. Examples are drawn from the "classic" primate field studies as well as more recent studies on previously neglected species, illustrating the vast behavioral variation that exists across the primate order. Primate Behavioral Ecology 5th Edition also examines how anthropogenic activities are negatively impacting primate populations, including a thorough analysis of behavioural plasticity and its implications. This fully updated new edition incorporates exciting new discoveries and the most up-to-date approaches in the field to provide an invaluable overview of the field of primate behavioral ecology and its applications to primate conservation. It is considered to be a "must read" for all students interested in primates.

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