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KEY=WEISS - SIENA MELENDEZ

Introductory Statistics

Pearson For one- or two-semester courses in statistics. *Statistically Significant Weiss's Introductory Statistics, Tenth Edition, is the ideal textbook for introductory statistics classes that emphasize statistical reasoning and critical thinking. Comprehensive in its coverage, Weiss's meticulous style offers careful, detailed explanations to ease the learning process. With more than 1,000 data sets and over 3,000 exercises, this text takes a data-driven approach that encourages students to apply their knowledge and develop statistical understanding. This text contains parallel presentation of critical-value and p-value approaches to hypothesis testing. This unique design allows the flexibility to concentrate on one approach or the opportunity for greater depth in comparing the two. Also available with MyStatLab MyStatLab is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them absorb course material and understand difficult concepts. Note: You are purchasing a standalone product; MyStatLab does not come packaged with this content. MyStatLab is not a self-paced technology and should only be purchased when required by an instructor. If you would like to purchase both the physical text and MyStatLab, search for: 0321989406 / 9780321989406 Introductory Statistics Plus MyStatLab with Pearson eText -- Access Card Package Package consists of: 0321847997 / 9780321847997 My StatLab Glue-in Access Card 032184839X / 9780321848390 MyStatLab Inside Sticker for Glue-In Packages 0321989171 / 9780321989178 Introductory Statistics Students, if interested in purchasing this title with MyStatLab, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information.*

Elementary Statistics

Pearson Weiss's *Elementary Statistics, Ninth Edition, is the ideal textbook for introductory statistics classes that emphasize statistical reasoning and critical thinking. Comprehensive in its coverage, Weiss's meticulous style offers careful, detailed explanations to ease the learning process. With more than 1,000 data sets and over 3,000 exercises, this text takes a data-driven approach that encourages students to apply their knowledge and develop statistical understanding. This text contains parallel presentation of critical-value and p-value approaches to hypothesis testing. This unique design allows the flexibility to concentrate on one approach or the opportunity for greater depth in comparing the two. NOTE: Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, and registrations are not transferable. To register for and use Pearson's MyLab & Mastering products, you may also need a Course ID, which your instructor will provide. Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for Pearson's MyLab & Mastering products may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. Note: You are purchasing a standalone product; MyStatLab does not come packaged with this content. MyStatLab is not a self-paced technology and should only be purchased when required by an instructor. If you would like to purchase both the physical text and MyStatLab, search for: 0321989678 / 9780321989673 Elementary Statistics Plus MyStatLab with Pearson eText -- Access Card Package Package consists of: 0321847997 / 9780321847997 My StatLab Glue-in Access Card 0321929713 / 9780321929716 MyStatLab for Business Statistics Sticker 0321989392 / 9780321989390 Elementary Statistics Students, if interested in purchasing this title with MyMathLab, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information.*

Introductory Statistics

Introductory Statistics

Introductory Statistics is designed for the one-semester, introduction to statistics course and is geared toward students majoring in fields other than math or engineering. This text assumes students have been exposed to intermediate algebra, and it focuses on the applications of statistical knowledge rather than the theory behind it. The foundation of this textbook is Collaborative Statistics, by Barbara Illowsky and Susan Dean. Additional topics, examples, and ample opportunities for practice have been added to each chapter. The development choices for this textbook were made with the guidance of many faculty members who are deeply involved in teaching this course. These choices led to innovations in art, terminology, and practical applications, all with a goal of increasing relevance and accessibility for students. We strove to make the discipline meaningful, so that students can draw from it a working knowledge that will enrich their future studies and help them make sense of the world around them. Coverage and Scope Chapter 1 Sampling and Data Chapter 2 Descriptive Statistics Chapter 3 Probability Topics Chapter 4 Discrete Random Variables Chapter 5 Continuous Random Variables Chapter 6 The Normal Distribution Chapter 7 The Central Limit Theorem Chapter 8 Confidence Intervals Chapter 9 Hypothesis Testing with One Sample Chapter 10 Hypothesis Testing with Two Samples Chapter 11 The Chi-Square Distribution Chapter 12 Linear Regression and Correlation Chapter 13 F Distribution and One-Way ANOVA

Elementary Statistics Plus Mystatlab with Pearson Etext -- Access Card Package

Pearson NOTE: Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, and registrations are not transferable. To register for and use Pearson's MyLab & Mastering products, you may also need a Course ID, which your instructor will provide. Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for Pearson's MyLab & Mastering products may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. Weiss's *Elementary Statistics, Ninth Edition*, is the ideal textbook for introductory statistics classes that emphasize statistical reasoning and critical thinking. Comprehensive in its coverage, Weiss's meticulous style offers careful, detailed explanations to ease the learning process. With more than 850 data sets and over 2,350 exercises, this text takes a data-driven approach that encourages students to apply their knowledge and develop statistical understanding. This text contains parallel presentation of critical-value and p-value approaches to hypothesis testing. This unique design allows the flexibility to concentrate on one approach or the opportunity for greater depth in comparing the two. 0321989678 / 9780321989673 *Elementary Statistics Plus MyStatLab with Pearson eText -- Access Card Package* Package consists of: 0321847997 / 9780321847997 *My StatLab Glue-in Access Card* 0321929713 / 9780321929716 *MyStatLab for Business Statistics Sticker* 0321989392 / 9780321989390 *Elementary Statistics*

Introductory Statistics

Wiley Diagrams are used frequently throughout the book to explain difficult concepts. * Clear and concise explanations of statistical methods. * Step-by-step solutions to each problem presented in an example.

Statistical Mechanics of Lattice Systems

A Concrete Mathematical Introduction

Cambridge University Press A self-contained, mathematical introduction to the driving ideas in equilibrium statistical mechanics, studying important models in detail.

Modeling Longitudinal Data

Springer Science & Business Media *The book features many figures and tables illustrating longitudinal data and numerous homework problems. The associated web site contains many longitudinal data sets, examples of computer code, and labs to re-enforce the material. Weiss emphasizes continuous data rather than discrete data, graphical and covariance methods, and generalizations of regression rather than generalizations of analysis of variance.*

Predictive Data Mining

A Practical Guide

Morgan Kaufmann *This book is the first technical guide to provide a complete, generalized road map for developing data-mining applications, together with advice on performing these large-scale, open-ended analyses for real-world data warehouses.*

Bayesian Data Analysis, Third Edition

CRC Press *Now in its third edition, this classic book is widely considered the leading text on Bayesian methods, lauded for its accessible, practical approach to analyzing data and solving research problems. Bayesian Data Analysis, Third Edition continues to take an applied approach to analysis using up-to-date Bayesian methods. The authors—all leaders in the statistics community—introduce basic concepts from a data-analytic perspective before presenting advanced methods. Throughout the text, numerous worked examples drawn from real applications and research emphasize the use of Bayesian inference in practice. New to the Third Edition Four new chapters on nonparametric modeling Coverage of weakly informative priors and boundary-avoiding priors Updated discussion of cross-validation and predictive information criteria Improved convergence monitoring and effective sample size calculations for iterative simulation Presentations of Hamiltonian Monte Carlo, variational Bayes, and expectation propagation New and revised software code The book can be used in three different ways. For undergraduate students, it introduces Bayesian inference starting from first principles. For graduate students, the text presents effective current approaches to Bayesian modeling and computation in statistics and related fields. For researchers, it provides an assortment of Bayesian methods in applied statistics. Additional materials, including data sets used in the examples, solutions to selected exercises, and software instructions, are available on the book's web page.*

Data Structures and Algorithm Analysis in C++

*In this second edition of his successful book, experienced teacher and author Mark Allen Weiss continues to refine and enhance his innovative approach to algorithms and data structures. Written for the advanced data structures course, this text highlights theoretical topics such as abstract data types and the efficiency of algorithms, as well as performance and running time. Before covering algorithms and data structures, the author provides a brief introduction to C++ for programmers unfamiliar with the language. Dr Weiss's clear writing style, logical organization of topics, and extensive use of figures and examples to demonstrate the successive stages of an algorithm make this an accessible, valuable text. New to this Edition *An appendix on the Standard Template Library (STL) *C++ code, tested on multiple platforms, that conforms to the ANSI ISO final draft standard 0201361221B04062001*

Introduction to Information Retrieval

Cambridge University Press *Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.*

An Introduction to Discrete-Valued Time Series

John Wiley & Sons *A first approach for modeling time series of counts : the thinning-based INAR (1) model -- Further thinning-based models for count time series -- INGARCH models for count time series -- Further models for count time series -- Analyzing categorical time series -- Models for categorical time series -- Control charts for count processes -- Control charts for categorical processes*

Data Structures and Problem Solving Using Java

Pearson New International Edition

Pearson Higher Ed *For the second or third programming course. A practical and unique approach to data structures that separates interface from implementation. This book provides a practical introduction to data structures with an emphasis on abstract thinking and problem solving, as well as the use of Java. It does this through what remains a unique approach that clearly separates each data structure's interface (how to use a data structure) from its implementation (how to actually program that structure). Parts I (Tour of Java), II (Algorithms and Building Blocks), and III (Applications) lay the groundwork by discussing basic concepts and tools and providing some practical examples, while Part IV (Implementations) focuses on implementation of data structures. This forces the reader to think about the functionality of the data structures before the hash table is implemented. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.*

Introduction to Business Statistics

South Western Educational Publishing *Highly praised for its clarity and great examples, Weiers' INTRODUCTION TO BUSINESS STATISTICS, 6E introduces fundamental statistical concepts in a conversational language that connects with today's students. Even those intimidated by statistics quickly discover success with the book's proven learning aids, outstanding illustrations, non-technical terminology, and hundreds of current examples drawn from real-life experiences familiar to students. A continuing case and contemporary applications combine with more than 100 new or revised exercises and problems that reflect the latest changes in business today with an accuracy you can trust. You can easily introduce today's leading statistical software and teach not only how to complete calculations by hand and using Excel, but also how to determine which method is best for a particular task. The book's student-oriented approach is supported with a wealth of resources, including the innovative new CengageNOW online course management and learning system that saves you time while helping students master the statistical skills most important for business success.*

An Introduction to Medical Statistics

Oxford University Press *Now in its Fourth Edition, An Introduction to Medical Statistics continues to be a 'must-have' textbook for anyone who needs a clear logical guide to the subject. Written in an easy-to-understand style and packed with real life examples, the text clearly explains the statistical principles used in the medical literature. Taking readers through the common statistical methods seen in published research and guidelines, the text focuses on how to interpret and analyse statistics for clinical practice. Using extracts from real studies, the author illustrates how data can be employed correctly and incorrectly in medical research helping readers to evaluate the statistics they encounter and appropriately implement findings in clinical practice. End of chapter exercises, case studies and multiple choice questions help readers to apply their learning and develop their own interpretative skills. This thoroughly revised edition includes new chapters on meta-analysis, missing data, and survival analysis.*

Numerical Analysis

Cengage Learning *This well-respected text gives an introduction to the theory and application of modern numerical approximation techniques for students taking a one- or two-semester course in numerical analysis. With an accessible treatment that only requires a calculus prerequisite, Burden and Faires explain how, why, and when approximation techniques can be expected to work, and why, in*

some situations, they fail. A wealth of examples and exercises develop students' intuition, and demonstrate the subject's practical applications to important everyday problems in math, computing, engineering, and physical science disciplines. The first book of its kind built from the ground up to serve a diverse undergraduate audience, three decades later Burden and Faires remains the definitive introduction to a vital and practical subject. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Clinical and Translational Science

Principles of Human Research

Academic Press *Clinical and Translational Science: Principles of Human Research, Second Edition*, is the most authoritative and timely resource for the broad range of investigators taking on the challenge of clinical and translational science, a field that is devoted to investigating human health and disease, interventions, and outcomes for the purposes of developing new treatment approaches, devices, and modalities to improve health. This updated second edition has been prepared with an international perspective, beginning with fundamental principles, experimental design, epidemiology, traditional and new biostatistical approaches, and investigative tools. It presents complete instruction and guidance from fundamental principles, approaches, and infrastructure, especially for human genetics and genomics, human pharmacology, research in special populations, the societal context of human research, and the future of human research. The book moves on to discuss legal, social, and ethical issues, and concludes with a discussion of future prospects, providing readers with a comprehensive view of this rapidly developing area of science. Introduces novel physiological and therapeutic strategies for engaging the fastest growing scientific field in both the private sector and academic medicine Brings insights from international leaders into the discipline of clinical and translational science Addresses drug discovery, drug repurposing and development, innovative and improved approaches to go/no-go decisions in drug development, and traditional and innovative clinical trial designs

Axel Honneth

John Wiley & Sons With his insightful and wide-ranging theory of recognition, Axel Honneth has decisively reshaped the Frankfurt School tradition of critical social theory. Combining insights from philosophy, sociology, psychology, history, political economy, and cultural critique, Honneth's work proposes nothing less than an account of the moral infrastructure of human sociality and its relation to the perils and promise of contemporary social life. This book provides an accessible overview of Honneth's main contributions across a variety of fields, assessing the strengths and weaknesses of his thought. Christopher Zurn clearly explains Honneth's multi-faceted theory of recognition and its relation to diverse topics: individual identity, morality, activist movements, progress, social pathologies, capitalism, justice, freedom, and critique. In so doing, he places Honneth's theory in a broad intellectual context, encompassing classic social theorists such as Kant, Hegel, Marx, Freud, Dewey, Adorno and Habermas, as well as contemporary trends in social theory and political philosophy. Treating the full range of Honneth's corpus, including his major new work on social freedom and democratic ethical life, this book is the most up-to-date guide available. Axel Honneth will be invaluable to students and scholars working across the humanities and social sciences, as well as anyone seeking a clear guide to the work of one of the most influential theorists writing today.

The Far Right Today

John Wiley & Sons The far right is back with a vengeance. After several decades at the political margins, far-right politics has again taken center stage. Three of the world's largest democracies – Brazil, India, and the United States – now have a radical right leader, while far-right parties continue to increase their profile and support within Europe. In this timely book, leading global expert on political extremism Cas Mudde provides a concise overview of the fourth wave of postwar far-right politics, exploring its history, ideology, organization, causes, and consequences, as well as the responses available to civil society, party, and state actors to challenge its ideas and influence. What defines this current far-right renaissance, Mudde argues, is its mainstreaming and normalization within the contemporary political landscape. Challenging orthodox thinking on the relationship between conventional and far-right politics, Mudde offers a complex and insightful picture of one of the key political challenges of our time.

Data Structures and Algorithms in Java

John Wiley & Sons The design and analysis of efficient data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java

interface. Concrete data structures realizing the ADTs are provided as Java classes implementing the interfaces. The Java code implementing fundamental data structures in this book is organized in a single Java package, `net.datastructures`. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is complimentary with the Java Collections Framework.

A Course in Probability

Pearson College Division This text is intended primarily for readers interested in mathematical probability as applied to mathematics, statistics, operations research, engineering, and computer science. It is also appropriate for mathematically oriented readers in the physical and social sciences. Prerequisite material consists of basic set theory and a firm foundation in elementary calculus, including infinite series, partial differentiation, and multiple integration. Some exposure to rudimentary linear algebra (e.g., matrices and determinants) is also desirable. This text includes pedagogical techniques not often found in books at this level, in order to make the learning process smooth, efficient, and enjoyable. *Fundamentals of Probability: Probability Basics. Mathematical Probability. Combinatorial Probability. Conditional Probability and Independence. Discrete Random Variables: Discrete Random Variables and Their Distributions. Jointly Discrete Random Variables. Expected Value of Discrete Random Variables. Continuous Random Variables: Continuous Random Variables and Their Distributions. Jointly Continuous Random Variables. Expected Value of Continuous Random Variables. Limit Theorems and Advanced Topics: Generating Functions and Limit Theorems. Additional Topics.* For all readers interested in probability.

Introduction to Algorithms, third edition

MIT Press The latest edition of the essential text and professional reference, with substantial new material on such topics as vEB trees, multithreaded algorithms, dynamic programming, and edge-based flow. Some books on algorithms are rigorous but incomplete; others cover masses of material but lack rigor. *Introduction to Algorithms* uniquely combines rigor and comprehensiveness. The book covers a broad range of algorithms in depth, yet makes their design and analysis accessible to all levels of readers. Each chapter is relatively self-contained and can be used as a unit of study. The algorithms are described in English and in a pseudocode designed to be readable by anyone who has done a little programming. The explanations have been kept elementary without sacrificing depth of coverage or mathematical rigor. The first edition became a widely used text in universities worldwide as well as the standard reference for professionals. The second edition featured new chapters on the role of algorithms, probabilistic analysis and randomized algorithms, and linear programming. The third edition has been revised and updated throughout. It includes two completely new chapters, on van Emde Boas trees and multithreaded algorithms, substantial additions to the chapter on recurrence (now called "Divide-and-Conquer"), and an appendix on matrices. It features improved treatment of dynamic programming and greedy algorithms and a new notion of edge-based flow in the material on flow networks. Many exercises and problems have been added for this edition. The international paperback edition is no longer available; the hardcover is available worldwide.

Introduction to Crystallographic Statistics

Oxford University Press This monograph provides an introductory and self-contained survey of techniques and theories of structure-factor statistics.

Introduction to Abnormal Child and Adolescent Psychology

SAGE Publications Robert Weis' third edition of *Introduction to Abnormal Child and Adolescent Psychology* adopts a developmental psychopathology approach to understanding child disorders. Using case studies, this perspective examines the emergence of disorders over time, pays special attention to risk and protective factors that influence developmental processes and trajectories, and examines child psychopathology in the context of normal development. Designed to be flexible via its focused modular organization, the text reflects the latest changes to the DSM (DSM 5, 2013) and is updated with new research and developments in the field.

The Eagle and the Dragon

Globalization and European Dreams of Conquest in China and America in the Sixteenth Century

John Wiley & Sons *In this important new book the renowned historian Serge Gruzinski returns to two episodes in the sixteenth century which mark a decisive stage in global history and show how China and Mexico experienced the expansion of Europe. In the early 1520s, Magellan set sail for Asia by the Western route, Cortes seized Mexico and some Portuguese based in Malacca dreamed of colonizing China. The Aztec Eagle was destroyed but the Chinese Dragon held strong and repelled the invaders - after first seizing their cannon. For the first time, people from three continents encountered one other, confronted one other and their lives became entangled. These events were of great interest to contemporaries and many people at the time grasped the magnitude of what was going on around them. The Iberians succeeded in America and failed in China. The New World became inseparable from the Europeans who were to conquer it, while the Celestial Empire became, for a long time to come, an unattainable goal. Gruzinski explores this encounter between civilizations that were different from one another but that already fascinated contemporaries, and he shows that our world today bears the mark of this distant age. For it was in the sixteenth century that human history began to be played out on a global stage. It was then that connections between different parts of the world began to accelerate, not only between Europe and the Americas but also between Europe and China. This is what is revealed by a global history of the sixteenth century, conceived as another way of reading the Renaissance, less Eurocentric and more in tune with our age.*

Essentials of Glycobiology

CSHL Press *Sugar chains (glycans) are often attached to proteins and lipids and have multiple roles in the organization and function of all organisms. "Essentials of Glycobiology" describes their biogenesis and function and offers a useful gateway to the understanding of glycans.*

Research Methods For Business

A Skill Building Approach

John Wiley & Sons *Research Methods For Business, 8th Edition explains the principles and practices of using a systematic, organized method for solving problematic issues in business organizations. Designed to help students view research from the perspective of management, this popular textbook guides students through the entire business research process. Organized into six main themes—Introduction, Defining the Management and the Research Problem, Theory, Collecting Information, Drawing Conclusions, and Writing and Presenting the Research Report—the text enables students to develop the skills and knowledge required to successfully create, conduct, and analyze a research project. Now in its eighth edition, this popular textbook has been thoroughly updated to incorporate substantial new and expanded content, and reflect current research methods and practices. The text uses a unique blended learning approach, allowing instructors the flexibility to custom-tailor their courses to fit their specific needs. This innovative approach combines the face-to-face classroom methods of the instructor with internet-based activities that enable students to study what they want, when they want, at their own pace.*

Python Data Science Handbook

Essential Tools for Working with Data

"O'Reilly Media, Inc." *For many researchers, Python is a first-class tool mainly because of its libraries for storing, manipulating, and gaining insight from data. Several resources exist for individual pieces of this data science stack, but only with the Python Data Science Handbook do you get them all—IPython, NumPy, Pandas, Matplotlib, Scikit-Learn, and other related tools. Working scientists and data crunchers familiar with reading and writing Python code will find this comprehensive desk reference ideal for tackling day-to-day issues: manipulating, transforming, and cleaning data; visualizing different types of data; and using data to build statistical or machine learning models. Quite simply, this is the must-have reference for scientific computing in Python. With this handbook, you'll learn how to use:*

Python and Jupyter: provide computational environments for data scientists using Python NumPy: includes the ndarray for efficient storage and manipulation of dense data arrays in Python Pandas: features the DataFrame for efficient storage and manipulation of labeled/columnar data in Python Matplotlib: includes capabilities for a flexible range of data visualizations in Python Scikit-Learn: for efficient and clean Python implementations of the most important and established machine learning algorithms

Elementary Statistics

Picturing the World

Prentice Hall *For algebra-based Introductory Statistics courses. Offering an approach with a visual/graphical emphasis, this text offers a number of examples on the premise that students learn best by doing. This book features an emphasis on interpretation of results and critical thinking over calculations.*

Elementary Statistics Technology Update + Mystatlab Student Access Code Card

Pearson College Division *Mario Triola's Elementary Statistics remains the market-leading introductory statistics textbook because it engages readers with an abundance of real data in the examples, applications, and exercises. Statistics is all around us in our daily lives, and Triola is dedicated to finding new real-world examples and data sets that make sense for today's reader. The Eleventh Edition contains more than 2000 exercises, 87% of which are new, and 82% of which use real data. It also contains hundreds of examples, 86% of which are new and 94% of which use real data. By analyzing real data, students are able to connect abstract concepts to the world at large. As a result, they gain conceptual understanding and learn to think statistically, using the same methods that professional statisticians employ. The Technology Update includes new instruction that covers major advancements in statistics software since the first printing of the Eleventh Edition. A new Student Workbook offers even greater opportunity for students to apply their knowledge and practice as they progress through the course. The workbook can be packaged with any Triola textbook.*

Biology for AP[®] Courses

Biology for AP[®] courses covers the scope and sequence requirements of a typical two-semester Advanced Placement[®] biology course. The text provides comprehensive coverage of foundational research and core biology concepts through an evolutionary lens. Biology for AP[®] Courses was designed to meet and exceed the requirements of the College Board's AP[®] Biology framework while allowing significant flexibility for instructors. Each section of the book includes an introduction based on the AP[®] curriculum and includes rich features that engage students in scientific practice and AP[®] test preparation; it also highlights careers and research opportunities in biological sciences.

Probability and Statistics

The Science of Uncertainty

Macmillan *Unlike traditional introductory math/stat textbooks, Probability and Statistics: The Science of Uncertainty brings a modern flavor based on incorporating the computer to the course and an integrated approach to inference. From the start the book integrates simulations into its theoretical coverage, and emphasizes the use of computer-powered computation throughout.* Math and science majors with just one year of calculus can use this text and experience a refreshing blend of applications and theory that goes beyond merely mastering the technicalities. They'll get a thorough grounding in probability theory, and go beyond that to the theory of statistical inference and its applications. An integrated approach to inference is presented that includes the frequency approach as well as Bayesian methodology. Bayesian inference is developed as a logical extension of likelihood methods. A separate chapter is devoted to the important topic of model checking and this is applied in the context of the standard applied statistical techniques. Examples of data analyses using real-world data are presented throughout the text. A final chapter introduces a number of the most important stochastic process models using elementary methods. *Note: An appendix in the book contains Minitab code for more involved computations. The code can be used by students as templates for their own calculations. If a software package like Minitab is used with the course then no programming is required by the students.*

The Consequences of Modernity

John Wiley & Sons *In this major theoretical statement, the author offers a new and provocative interpretation of the institutional transformations associated with modernity. We do not as yet, he argues, live in a post-modern world. Rather the distinctive characteristics of our major social institutions in the closing period of the twentieth century express the emergence of a period of 'high modernity,' in which prior trends are radicalised rather than undermined. A post-modern social universe may eventually come into being, but this as yet lies 'on the other side' of the forms of social and cultural organization which currently dominate world history. In developing an account of the nature of modernity, Giddens concentrates upon analyzing the intersections between trust and risk, and security and danger, in the modern world. Both the trust mechanisms associated with modernity and the distinctive 'risk profile' it produces, he argues, are distinctively different from those characteristic of pre-modern social orders. This book build upon the author's previous theoretical writings, and will be of fundamental interest to anyone concerned with Giddens's overall project. However, the work covers issues which the author has not previously analyzed and extends the scope of his work into areas of pressing practical concern. This book will be essential reading for second year undergraduates and above in sociology, politics, philosophy, and cultural studies.*

Introduction To Algorithms

MIT Press *The first edition won the award for Best 1990 Professional and Scholarly Book in Computer Science and Data Processing by the Association of American Publishers. There are books on algorithms that are rigorous but incomplete and others that cover masses of material but lack rigor. Introduction to Algorithms combines rigor and comprehensiveness. The book covers a broad range of algorithms in depth, yet makes their design and analysis accessible to all levels of readers. Each chapter is relatively self-contained and can be used as a unit of study. The algorithms are described in English and in a pseudocode designed to be readable by anyone who has done a little programming. The explanations have been kept elementary without sacrificing depth of coverage or mathematical rigor. The first edition became the standard reference for professionals and a widely used text in universities worldwide. The second edition features new chapters on the role of algorithms, probabilistic analysis and randomized algorithms, and linear programming, as well as extensive revisions to virtually every section of the book. In a subtle but important change, loop invariants are introduced early and used throughout the text to prove algorithm correctness. Without changing the mathematical and analytic focus, the authors have moved much of the mathematical foundations material from Part I to an appendix and have included additional motivational material at the beginning.*

Environmental Statistics and Data Analysis

Routledge *This easy-to-understand introduction emphasizes the areas of probability theory and statistics that are important in environmental monitoring, data analysis, research, environmental field surveys, and environmental decision making. It communicates basic statistical theory with very little abstract mathematical notation, but without omitting importa*

Statebuilding

John Wiley & Sons *After civil wars end, what can sustain peace in the long-term? In particular, how can outsiders facilitate durable conflict-managing institutions through statebuilding - a process that historically has been the outcome of bloody struggles to establish the state's authority over warlords, traditional authorities, and lawless territories? In this book, Timothy Sisk explores international efforts to help the world's most fragile post-civil war countries today build viable states that can provide for security and deliver the basic services essential for development. Tracing the historical roots of statebuilding to the present day, he demonstrates how the United Nations, leading powers, and well-meaning donors have engaged in statebuilding as a strategic approach to peacebuilding after war. Their efforts are informed by three key objectives: to enhance security by preventing war recurrence and fostering community and human security; to promote development through state provision of essential services such as water, sanitation, and education; to enhance human rights and democracy, reflecting the liberal international order that reaffirms the principles of democracy and human rights, . Improving governance, alongside the state's ability to integrate social differences and manage conflicts over resources, identity, and national priorities, is essential for long-term peace. Whether the global statebuilding enterprise can succeed in creating a world of peaceful, well-governed, development-focused states is unclear. But the book concludes with a road map toward a better global regime to enable peacebuilding and development-oriented statebuilding into the 21st century.*

Statistics for the Utterly Confused, 2nd edition

McGraw Hill Professional *Statistics for the Utterly Confused, Second Edition* When it comes to understanding statistics, even good students can be confused. Perfect for students in any introductory non-calculus-based statistics course, and equally useful to professionals working in the world, *Statistics for the Utterly Confused* is your ticket to success. Statistical concepts are explained step-by-step and applied to such diverse fields as business, economics, finance, and more. The message of *Statistics for the Utterly Confused* is simple: you don't have to be confused anymore. Updated and expanded to give you the latest changes in the field, this up-to-the-minute edition includes many new examples of Excel output, the most widely used of all statistics programs; a new chapter on Analysis of Variance (ANOVA); and 200 additions to the 700 self-testing questions and answers. The expert author's Web site also gives you tons of fresh examples, practice problems, and strategies--so you can go from utterly confused to totally prepared in no time! Inside, you'll discover how to: Grasp the meaning of everyday statistical concepts Find out what's probable and what isn't Read, understand, and solve statistics problems Improve your scores on exams Use your skills in any field

The Second Media Age

John Wiley & Sons This book examines the implications of new communication technologies in the light of the most recent work in social and cultural theory and argues that new developments in electronic media, such as the Internet and Virtual Reality, justify the designation of a "second media age".

Countdown bin Laden

The Untold Story of the 247-Day Hunt to Bring the Mastermind of 9/11 to Justice

Simon and Schuster #1 NATIONAL BESTSELLER * INSTANT NEW YORK TIMES BESTSELLER Following Chris Wallace's "riveting" (*The New York Times*) and "propulsive" (*Time*) first book *Countdown 1945* comes a deeply reported, revelatory, and thrillingly told account of the final months of the hunt for Osama bin Laden. On August 27, 2010, three CIA officers ask for a private meeting with CIA Director Leon Panetta. During that secret session, they tell Panetta that agents have tracked a courier with deep Al Qaeda ties to a three-story house at the end of a dead-end street in Abbottabad, Pakistan. But they say it's more than a house—it's a heavily protected fortress. No one in the meeting says the name bin Laden. They don't have to. Everyone understands that finally, after nearly a decade, maybe, just maybe, they've found the world's most wanted man. In *Countdown bin Laden*, celebrated journalist and anchor of Fox News Sunday Chris Wallace delivers a vivid account of the final eight months of intelligence gathering, national security strategizing, and meticulous military planning that leads to the climactic mission when SEAL Team Six closes in on its target. The book delivers new information collected from Wallace's in-depth interviews with more than a dozen central figures, including Admiral William H. McRaven—leader of the operation in Pakistan—as well as CIA Director Panetta, Secretary of State Hillary Rodham Clinton, Defense Secretary Robert Gates, National Security Advisor Tom Donilon, and the SEAL Team Six special operator who kills Osama bin Laden. Wallace also brings to life the human elements of this story, talking to families who lost loved ones on 9/11, sharing what relatives of SEAL Team Six went through, and bringing us inside the tense Situation Room during the raid. *Countdown bin Laden* is a historical thriller filled with intrigue, cinematic action, and fresh reporting about the race to apprehend and bring to justice the mastermind of the most consequential terrorist attack in American history.