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KEY=THOMAS - YADIRA ADELAIDE

THOMAS' CALCULUS

[Pearson Education India](#)

THOMAS' CALCULUS, MULTIVARIABLE

[Pearson](#) **This text is designed for a three-semester or four-quarter calculus course (math, engineering, and science majors). The Single variable text covers the first two semesters of calculus, chapters 1-11. Chapters 12-16 can be found in the Multivariable text. --**

RESPONSE SURFACES, MIXTURES, AND RIDGE ANALYSES

[John Wiley & Sons](#) **The authority on building empirical models and the fitting of such surfaces to data—completely updated and revised Revising and updating a volume that represents the essential source on building empirical models, George Box and Norman Draper—renowned authorities in this field—continue to set the standard with the Second Edition of Response Surfaces, Mixtures, and Ridge Analyses, providing timely new techniques, new exercises, and expanded material. A comprehensive introduction to building empirical models, this book presents the general philosophy and computational details of a number of important topics, including factorial designs at two levels; fitting first and second-order models; adequacy of estimation and the use of transformation; and occurrence and elucidation of ridge systems. Substantially rewritten, the Second Edition reflects the emergence of ridge analysis of second-order response surfaces as a very practical tool that can be easily applied in a variety of circumstances. This unique, fully developed coverage of ridge analysis—a technique for exploring quadratic response surfaces including surfaces in the space of mixture ingredients and/or subject to linear restrictions—includes MINITAB® routines for performing the calculations for any number of dimensions. Many additional figures are included in the new edition, and new exercises (many based on data from published papers) offer insight into the methods used. The exercises and their solutions provide a variety of supplementary examples of response surface use, forming an extremely important component of the text. Response Surfaces, Mixtures, and Ridge Analyses, Second Edition presents material in a logical and understandable arrangement and includes six new chapters covering an up-to-date presentation of standard ridge analysis (without restrictions); design and analysis of mixtures experiments; ridge analysis methods when there are linear restrictions in the experimental space including the mixtures experiments case, with or without further linear restrictions; and canonical reduction of second-order response surfaces in the foregoing general case. Additional features in the new edition include: New exercises with worked answers added throughout An extensive revision of Chapter 5: Blocking and Fractionating 2k Designs Additional discussion on the projection of two-level designs into lower dimensional spaces This is an ideal reference for researchers as well as a primary text for Response Surface Methodology graduate-level courses and a supplementary text for Design of Experiments courses at the upper-undergraduate and beginning-graduate levels.**

STUDENT'S SOLUTIONS MANUAL, MULTIVARIABLE FOR THOMAS' CALCULUS AND THOMAS' CALCULUS: EARLY TRANSCENDENTALS

[Pearson College Division](#) **This manual contains completely worked-out solutions for all the odd-numbered exercises in the text, covering Chapters 11 16.**

NORMALIZING CORRUPTION

FAILURES OF ACCOUNTABILITY IN UKRAINE

[University of Michigan Press](#) **Accountability is crucial to every successful democratic system. The failure to develop functioning mechanisms of accountability has undermined democratic consolidation worldwide. Reliable tools that hold officials accountable are essential for democratic governance; one of the key threats to accountability comes from corrupt practices, especially when they are integrated—or normalized—in the day-to-day activities of institutions. This book focuses on the experiences of contemporary Ukraine to evaluate the successes and failures of institutions, politicians, political parties, bureaucracies, and civil society. Yet, the topic is directly relevant to countries that have experienced democratic backsliding, and especially those countries that are at risk. Normalizing Corruption addresses**

several interconnected questions: Under what circumstances do incumbents lose elections? How well do party organizations encourage cohesive behavior? Is executive authority responsive to inquiries from public organizations and other government institutions? How can citizens influence government actions? Do civil servants conduct their duties as impartial professionals, or are they beholden to other interests? The research builds upon extensive fieldwork, data collection, and data analysis that Erik S. Herron has conducted since 1999.

ADVANCES IN LATENT CLASS ANALYSIS

A FESTSCHRIFT IN HONOR OF C. MITCHELL DAYTON

IAP What is latent class analysis? If you asked that question thirty or forty years ago you would have gotten a different answer than you would today. Closer to its time of inception, latent class analysis was viewed primarily as a categorical data analysis technique, often framed as a factor analysis model where both the measured variable indicators and underlying latent variables are categorical. Today, however, it rests within much broader mixture and diagnostic modeling framework, integrating measured and latent variables that may be categorical and/or continuous, and where latent classes serve to define the subpopulations for whom many aspects of the focal measured and latent variable model may differ. For latent class analysis to take these developmental leaps required contributions that were methodological, certainly, as well as didactic. Among the leaders on both fronts was C. Mitchell "Chan" Dayton, at the University of Maryland, whose work in latent class analysis spanning several decades helped the method to expand and reach its current potential. The current volume in the Center for Integrated Latent Variable Research (CILVR) series reflects the diversity that is latent class analysis today, celebrating work related to, made possible by, and inspired by Chan's noted contributions, and signaling the even more exciting future yet to come.

UNIVERSITY CALCULUS

EARLY TRANSCENDENTALS

KEY BENEFIT The popular and respected Thomas' Calculus Series has been expanded to include a concise alternative. **University Calculus: Elements** is the ideal text for instructors who prefer the flexibility of a text that is streamlined without compromising the necessary coverage for a typical three-semester course. As with all of Thomas' texts, this book delivers the highest quality writing, trusted exercises, and an exceptional art program. Providing the shortest, lightest, and least-expensive early transcendentals presentation of calculus, **University Calculus: Elements** is the text that students will carry and use **KEY TOPICS** Functions and Limits; Differentiation; Applications of Derivatives; Integration; Techniques of Integration; Applications of Definite Integrals; Infinite Sequences and Series; Polar Coordinates and Conics; Vectors and the Geometry of Space; Vector-Valued Functions and Motion in Space; Partial Derivatives; Multiple Integrals; Integration in Vector Fields. **MARKET** for all readers interested in calculus.

INTRODUCTION TO APPLIED LINEAR ALGEBRA

VECTORS, MATRICES, AND LEAST SQUARES

Cambridge University Press A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

CONSUMER CREDIT AND THE AMERICAN ECONOMY

Financial Management Associati **Consumer Credit and the American Economy** examines the economics, behavioral science, sociology, history, institutions, law, and regulation of consumer credit in the United States. After discussing the origins and various kinds of consumer credit available in today's marketplace, this book reviews at some length the long run growth of consumer credit to explore the widely held belief that somehow consumer credit has risen "too fast for too long." It then turns to demand and supply with chapters discussing neoclassical theories of demand, new behavioral economics, and evidence on production costs and why consumer credit might seem expensive compared to some other kinds of credit like government finance. This discussion includes review of the economics of risk management and funding sources, as well discussion of the economic theory of why some people might be limited in their credit search, the phenomenon of credit rationing. This examination includes review of issues of risk management through mathematical methods of borrower screening known as credit scoring and financial market sources of funding for offerings of consumer credit. The book then discusses technological change in credit granting. It examines how modern automated information systems called credit reporting agencies, or more popularly "credit bureaus," reduce the costs of information acquisition and permit greater credit availability at less cost. This discussion is followed by examination of the logical offspring of technology, the ubiquitous credit card that permits consumers access to both payments and credit services worldwide virtually instantly. After a chapter on institutions that have arisen to supply credit to individuals for whom mainstream credit is often unavailable, including "payday loans" and other small dollar sources of loans, discussion turns to legal structure and the regulation of consumer credit. There are separate chapters on the theories behind the two main thrusts of federal regulation to this point, fairness for all and financial disclosure. Following these chapters, there is another on state regulation that has long focused on marketplace access and pricing. Before a final concluding chapter, another chapter focuses on two noncredit marketplace products that are closely related to credit. The first of them, debt protection including credit insurance and other forms of credit protection, is economically a complement. The second product, consumer leasing, is a substitute for credit use in many situations, especially involving acquisition of automobiles. This chapter is followed by a full review of consumer

bankruptcy, what happens in the worst of cases when consumers find themselves unable to repay their loans. Because of the importance of consumer credit in consumers' financial affairs, the intended audience includes anyone interested in these issues, not only specialists who spend much of their time focused on them. For this reason, the authors have carefully avoided academic jargon and the mathematics that is the modern language of economics. It also examines the psychological, sociological, historical, and especially legal traditions that go into fully understanding what has led to the demand for consumer credit and to what the markets and institutions that provide these products have become today.

CALCULUS AND ANALYTIC GEOMETRY

COCHRANE HANDBOOK FOR SYSTEMATIC REVIEWS OF INTERVENTIONS

Wiley Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions. Cochrane Reviews respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in The Cochrane Library (www.thecochranelibrary.com). The Cochrane Handbook for Systematic Reviews of Interventions contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or perform reviews themselves.

MOSTLY HARMLESS ECONOMETRICS

AN EMPIRICIST'S COMPANION

Princeton University Press In addition to econometric essentials, this book covers important new extensions as well as how to get standard errors right. The authors explain why fancier econometric techniques are typically unnecessary and even dangerous.

WILDLAND FIRE IN ECOSYSTEMS

FIRE AND NONNATIVE INVASIVE PLANTS

Forest Service This state-of-knowledge review of information on relationships between wildland fire and nonnative invasive plants can assist fire managers and other land managers concerned with prevention, detection, and eradication or control of nonnative invasive plants. The 16 chapters in this volume synthesize ecological and botanical principles regarding relationships between wildland fire and nonnative invasive plants, identify the nonnative invasive species currently of greatest concern in major bioregions of the United States, and describe emerging fire-invasive issues in each bioregion and throughout the nation. This volume can help increase understanding of plant invasions and fire and can be used in fire management and ecosystem-based management planning. The volume's first part summarizes fundamental concepts regarding fire effects on invasions by nonnative plants, effects of plant invasions on fuels and fire regimes, and use of fire to control plant invasions. The second part identifies the nonnative invasive species of greatest concern and synthesizes information on the three topics covered in part one for nonnative invasives in seven major bioregions of the United States: Northeast, Southeast, Central, Interior West, Southwest Coastal, Northwest Coastal (including Alaska), and Hawaiian Islands. The third part analyzes knowledge gaps regarding fire and nonnative invasive plants, synthesizes information on management questions (nonfire fuel treatments, postfire rehabilitation, and postfire monitoring), summarizes key concepts described throughout the volume, and discusses urgent management issues and research questions.

UNIVERSITY CALCULUS

EARLY TRANSCENDENTALS

Pearson Note: You are purchasing a standalone product; MyMathLab does not come packaged with this content. MyMathLab 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 MyMathLab, search for: 0321999576 / 9780321999573 University Calculus, Early Transcendentals Plus MyMathLab -- Access Card Package, 3/e Package consists of: 0321999584 / 9780321999580 University Calculus, Early Transcendentals, 3/e 0321654064 / 9780321654069 MyMathLab Inside Star Sticker 0321431308 / 9780321431301 MyMathLab -- Glue-in Access Card 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. University Calculus, Early Transcendentals, Third Edition helps students generalize and apply the key ideas of calculus through clear and precise explanations, thoughtfully chosen examples, meticulously crafted figures, and

superior exercise sets. This text offers the right mix of basic, conceptual, and challenging exercises, along with meaningful applications. This revision features more examples, more mid-level exercises, more figures, improved conceptual flow, and the best in technology for learning and teaching.

RESEARCH METHODS IN PUBLIC ADMINISTRATION AND NONPROFIT MANAGEMENT

[Routledge](#) Designed for both students and practitioners, the new edition of this popular text has been thoroughly revised. It incorporates the latest thinking in public administration and nonprofit management. The book integrates both quantitative and qualitative approaches to research, and also provides specific instruction in the use of commonly available statistical software programs such as Excel and SPSS. The book is exceptionally well illustrated, with plentiful exhibits, tables, figures, and exercises.

MATHEMATICAL DEMOGRAPHY

SELECTED PAPERS

[Springer Science & Business Media](#) Mathematical demography is the centerpiece of quantitative social science. The founding works of this field from Roman times to the late Twentieth Century are collected here, in a new edition of a classic work by David R. Smith and Nathan Keyfitz. Commentaries by Smith and Keyfitz have been brought up to date and extended by Kenneth Wachter and Hervé Le Bras, giving a synoptic picture of the leading achievements in formal population studies. Like the original collection, this new edition constitutes an indispensable source for students and scientists alike, and illustrates the deep roots and continuing vitality of mathematical demography.

AN INTRODUCTION TO MULTIVARIATE STATISTICAL ANALYSIS

[Wiley-Interscience](#) Perfected over three editions and more than forty years, this field- and classroom-tested reference: * Uses the method of maximum likelihood to a large extent to ensure reasonable, and in some cases optimal procedures. * Treats all the basic and important topics in multivariate statistics. * Adds two new chapters, along with a number of new sections. * Provides the most methodical, up-to-date information on MV statistics available.

THOMAS' CALCULUS 11TH MEDIA UPGRADE PART TWO PLUS MYMATHLAB

[Addison-Wesley Longman](#)

PRINCIPLES OF ADULT SURGICAL CRITICAL CARE

[Springer](#) This text provides a high level, comprehensive but concise review of adult surgical critical care. It can be used to review complex topics of critical illness in surgical patients, as a reference tool, or as preparation for a board examination. It is focused on the surgical patient including high yield facts, evidence-based guidelines, and critical care principles. To remain succinct, it concentrates on surgically relevant care. Further, the text is written with an expectation that reader already possesses a basic understanding of critical care pathophysiology and clinical practices such as those acquired during residency. Organized by organ system, each section contains several chapters addressing relevant disorders, monitoring and treatment modalities, and outcomes. Principles of Adult Surgical Critical Care will be of use to intensivists caring for surgical patients regardless of parent training domain. Additionally, this work is intended to be used by surgical critical care fellowship trainees as well as other advanced practice providers such as nurse practitioners and physician assistants who provide care in ICUs and emergency departments alike.

GRAPHICAL MODELS WITH R

[Springer Science & Business Media](#) Graphical models in their modern form have been around since the late 1970s and appear today in many areas of the sciences. Along with the ongoing developments of graphical models, a number of different graphical modeling software programs have been written over the years. In recent years many of these software developments have taken place within the R community, either in the form of new packages or by providing an R interface to existing software. This book attempts to give the reader a gentle introduction to graphical modeling using R and the main features of some of these packages. In addition, the book provides examples of how more advanced aspects of graphical modeling can be represented and handled within R. Topics covered in the seven chapters include graphical models for contingency tables, Gaussian and mixed graphical models, Bayesian networks and modeling high dimensional data.

COMPUTER AGE STATISTICAL INFERENCE

[Cambridge University Press](#) Take an exhilarating journey through the modern revolution in statistics with two of the ringleaders.

HANDBOOK OF OBESITY, TWO-VOLUME SET

[CRC Press](#) This 2 volume set comprises of the 3rd edition of Volume 1 and the 4th edition of Volume 2, both published in 2014. In recent years, we've developed a much better grasp of the biological and other factors associated with the development of obesity. New clinical trials, discoveries related to drug use, and greater understanding of the benefits of wei

HANDBOOK OF OBESITY - VOLUME 2

CLINICAL APPLICATIONS, FOURTH EDITION

[CRC Press](#) Several major developments have occurred since the last edition of Handbook of Obesity: Clinical Applications, including new clinical trials, discoveries related to drug use, and greater understanding of the benefits of weight loss in obese patients. Now in its fourth edition, this volume continues to offer unparalleled depth and breadth of coverage.

MULTIVARIATE STATISTICAL INFERENCE

REAL ANALYSIS

[Cambridge University Press](#) A text for a first graduate course in real analysis for students in pure and applied mathematics, statistics, education, engineering, and economics.

ELEMENTS OF CALCULUS AND ANALYTIC GEOMETRY

TEACHER'S RESOURCE BOOK

DIGITAL TRANSFORMATION IN BUSINESS AND SOCIETY

THEORY AND CASES

[Springer Nature](#) The digital traces that people leave behind as they conduct their daily lives provide a powerful resource for businesses to better understand the dynamics of an otherwise chaotic society. Digital technologies have become omnipresent in our lives and we still do not fully know how to make the best use of the data these technologies could harness. Businesses leveraging big data appropriately could definitely gain a sustainable competitive advantage. With a balanced mix of texts and cases, this book discusses a variety of digital technologies and how they transform people and organizations. It offers a debate on the societal consequences of the yet unfolding technological revolution and proposes alternatives for harnessing disruptive technologies for the greater benefit of all. This book will have wide appeal to academics in technology management, strategy, marketing, and human resource management.

APPLIED ECONOMETRICS

[MDPI](#) Although the theme of the monograph is primarily related to "Applied Econometrics", there are several theoretical contributions that are associated with empirical examples, or directions in which the novel theoretical ideas might be applied. The monograph is associated with significant and novel contributions in theoretical and applied econometrics; economics; theoretical and applied financial econometrics; quantitative finance; risk; financial modeling; portfolio management; optimal hedging strategies; theoretical and applied statistics; applied time series analysis; forecasting; applied mathematics; energy economics; energy finance; tourism research; tourism finance; agricultural economics; informatics; data mining; bibliometrics; and international rankings of journals and academics.

POVERTY, WEALTH AND PLACE IN BRITAIN, 1968 TO 2005

[Policy Press](#) This is the first detailed study of the recent geographical distribution of poverty and wealth in Britain. It presents the most comprehensive estimates of the changing levels of poverty and wealth from the late 1960s. A free pdf version of this report is available online at www.jrf.org.uk

MULTIVARIATE DATA ANALYSIS

[Pearson Higher Ed](#) This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. For graduate and upper-level undergraduate marketing research courses. For over 30 years, Multivariate Data Analysis has provided readers with the information they need to understand and apply multivariate data analysis. Hair et. al provides an applications-oriented introduction to multivariate analysis for the non-statistician. By reducing heavy statistical research into fundamental concepts, the text explains to readers how to understand and make use of the results of specific statistical techniques. In this Seventh Edition, the organization of the chapters has been greatly simplified. New chapters have been added on structural equations modeling, and all sections have been updated to reflect advances in technology, capability, and mathematical techniques.

THE BIBLE AND RADIOCARBON DATING

ARCHAEOLOGY, TEXT AND SCIENCE

[Routledge](#) Over the past several years, a number of Levantine archaeologists working on the Iron Age (ca. 1200 - 586 BCE) have begun to employ high precision radiocarbon dating to solve a wide range of chronological, historical and social issues. The incorporation of high precision radiocarbon dating methods and statistical modelling into the archaeological 'tool box' of the 'Biblical archaeologist' is revolutionizing the field. In fact, Biblical archaeology is leading the field of world archaeology in how archaeologists must deal with history, historical texts, and material culture. A great deal of debate has been generated by this new research direction in southern Levantine (Israel,

Jordan, Palestinian territories, southern Lebanon & Syria, the Sinai) archaeology. This book takes the pulse of how archaeology, science-based research methods and the Bible interface at the beginning of the 21st century and brings together a leading team of archaeologists, Egyptologists, Biblical scholars, radiocarbon dating specialists and other researchers who have embraced radiocarbon dating as a significant tool to test hypotheses concerning the historicity of aspects of the Old Testament or Hebrew Bible. As this book "raises the bar" in how archaeologists tackle historical issues as manifest in the interplay between the archaeological record and text, its interest will go well beyond the 'Holy Land.'

THOMAS' CALCULUS

GLOBAL EDITION

Prentice Hall This package includes a physical copy of Thomas' Calculus by Thomas, Weir and Hass, as well as access to **MATLAB**. This text is designed for a three-semester or four-quarter calculus course (math, engineering, and science majors). Calculus hasn't changed, but your students have. Today's students have been raised on immediacy and the desire for relevance, and they come to calculus with varied mathematical backgrounds. Thomas Calculus, Twelfth Edition, helps your students successfully generalize and apply the key ideas of calculus through clear and precise explanations, clean design, thoughtfully chosen examples, and superior exercise sets. Thomas offers the right mix of basic, conceptual, and challenging exercises, along with meaningful applications. This significant revision features more examples, more mid-level exercises, more figures, and improved conceptual flow. "This is the complete text, which contains Chapters 1-16. Separate versions are available, covering just Single Variable topics (contains Chapters 1-11 and Multivariable topics (contains Chapters 11-16). MyMathLab access is not included with this ISBN."

DISSERTATION ABSTRACTS INTERNATIONAL

THE SCIENCES AND ENGINEERING. B

A TUTORIAL ON THOMPSON SAMPLING

Now Publishers Thompson sampling is an algorithm for online decision problems where actions are taken sequentially in a manner that must balance between exploiting what is known to maximize immediate performance and investing to accumulate new information that may improve future performance. The algorithm addresses a broad range of problems in a computationally efficient manner and is therefore enjoying wide use. A Tutorial on Thompson Sampling covers the algorithm and its application, illustrating concepts through a range of examples, including Bernoulli bandit problems, shortest path problems, product recommendation, assortment, active learning with neural networks, and reinforcement learning in Markov decision processes. Most of these problems involve complex information structures, where information revealed by taking an action informs beliefs about other actions. It also discusses when and why Thompson sampling is or is not effective and relations to alternative algorithms.

CLINICAL PRACTICE GUIDELINES FOR CHRONIC KIDNEY DISEASE

THE FUTURE OF THE PUBLIC'S HEALTH IN THE 21ST CENTURY

National Academies Press The anthrax incidents following the 9/11 terrorist attacks put the spotlight on the nation's public health agencies, placing it under an unprecedented scrutiny that added new dimensions to the complex issues considered in this report. The Future of the Public's Health in the 21st Century reaffirms the vision of Healthy People 2010, and outlines a systems approach to assuring the nation's health in practice, research, and policy. This approach focuses on joining the unique resources and perspectives of diverse sectors and entities and challenges these groups to work in a concerted, strategic way to promote and protect the public's health. Focusing on diverse partnerships as the framework for public health, the book discusses: The need for a shift from an individual to a population-based approach in practice, research, policy, and community engagement. The status of the governmental public health infrastructure and what needs to be improved, including its interface with the health care delivery system. The roles nongovernment actors, such as academia, business, local communities and the media can play in creating a healthy nation. Providing an accessible analysis, this book will be important to public health policy-makers and practitioners, business and community leaders, health advocates, educators and journalists.

ESSENTIALS OF METAHEURISTICS (SECOND EDITION)

Interested in the Genetic Algorithm? Simulated Annealing? Ant Colony Optimization? Essentials of Metaheuristics covers these and other metaheuristics algorithms, and is intended for undergraduate students, programmers, and non-experts. The book covers a wide range of algorithms, representations, selection and modification operators, and related topics, and includes 71 figures and 135 algorithms great and small. Algorithms include: Gradient Ascent techniques, Hill-Climbing variants, Simulated Annealing, Tabu Search variants, Iterated Local Search, Evolution Strategies, the Genetic Algorithm, the Steady-State Genetic Algorithm, Differential Evolution, Particle Swarm Optimization, Genetic Programming variants, One- and Two-Population Competitive Coevolution, N-Population Cooperative Coevolution, Implicit Fitness Sharing, Deterministic Crowding, NSGA-II, SPEA2, GRASP, Ant Colony Optimization variants, Guided Local Search, LEM, PBIL, UMDA, cGA, BOA, SAMUEL, ZCS, XCS, and XCSF.

UNIVERSITY CALCULUS

ELEMENTS WITH EARLY TRANSCENDENTALS, BOOKS A LA CARTE EDITION

Addison-Wesley Longman **KEY BENEFIT:** The popular and respected Thomas' Calculus Series has been expanded to include a concise alternative. University Calculus: Elements is the ideal text for instructors who prefer the flexibility of a text that is streamlined without compromising the necessary coverage for a typical three-semester course. As with all of Thomas' texts, this book delivers the highest quality writing, trusted exercises, and an exceptional art program. Providing the shortest, lightest, and least-expensive early transcendentals presentation of calculus, University Calculus: Elements is the text that students will carry and use! **KEY TOPICS:** Functions and Limits; Differentiation; Applications of Derivatives; Integration; Techniques of Integration; Applications of Definite Integrals; Infinite Sequences and Series; Polar Coordinates and Conics; Vectors and the Geometry of Space; Vector-Valued Functions and Motion in Space; Partial Derivatives; Multiple Integrals; Integration in Vector Fields. **MARKET:** for all readers interested in calculus.

THE DATA SCIENCE DESIGN MANUAL

Springer This engaging and clearly written textbook/reference provides a must-have introduction to the rapidly emerging interdisciplinary field of data science. It focuses on the principles fundamental to becoming a good data scientist and the key skills needed to build systems for collecting, analyzing, and interpreting data. The Data Science Design Manual is a source of practical insights that highlights what really matters in analyzing data, and provides an intuitive understanding of how these core concepts can be used. The book does not emphasize any particular programming language or suite of data-analysis tools, focusing instead on high-level discussion of important design principles. This easy-to-read text ideally serves the needs of undergraduate and early graduate students embarking on an "Introduction to Data Science" course. It reveals how this discipline sits at the intersection of statistics, computer science, and machine learning, with a distinct heft and character of its own. Practitioners in these and related fields will find this book perfect for self-study as well. **Additional learning tools:** Contains "War Stories," offering perspectives on how data science applies in the real world Includes "Homework Problems," providing a wide range of exercises and projects for self-study Provides a complete set of lecture slides and online video lectures at www.data-manual.com Provides "Take-Home Lessons," emphasizing the big-picture concepts to learn from each chapter Recommends exciting "Kaggle Challenges" from the online platform Kaggle Highlights "False Starts," revealing the subtle reasons why certain approaches fail Offers examples taken from the data science television show "The Quant Shop" (www.quant-shop.com)

THE MACHINE GUNNERS

Nelson Thornes It's 1940, and Britain is at war. Young Chas McGill has the second-best collection of war souvenirs in town, but desperately wants it to be the best. Amidst the bombs and air raids, Chas and his friends plan their own war effort in their newly built bunker. Friendships are forged and loyalties tested, in the adventure of a lifetime. Robert Westall's "The Machine Gunners" has been read, studied - and loved - by successive generations of younger readers. It won the Carnegie Medal and was voted one of the most important children's novels of the past seventy years. This thrilling stage adaptation comes from the award-winning playwright Ali Taylor, and premiered at the Polka Theatre, London. It provides rich opportunities for discussion in the classroom, and for staging by schools, youth theatres and amateur companies.