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Rowan taps the combined powers of Max McDaniels and David Menlo to counter the formidable armies of the demon Prusias and relies on the untested powers of Mina to outmaneuver deadly assassins. Online Statistics: An Interactive Multimedia Course of Study is a resource for learning and teaching introductory statistics. It contains material presented in textbook format and as video presentations. This resource features interactive demonstrations and simulations, case studies, and an analysis lab. This print edition of the public domain textbook gives the student an opportunity to own a physical copy to help enhance their educational experience. This part I features the book Front Matter, Chapters 1-10, and the full Glossary. Chapters Include: I. Introduction, II. Graphing Distributions, III. Summarizing Distributions, IV. Describing Bivariate Data, V. Probability, VI. Research Design, VII. Normal Distributions, VIII. Advanced Graphs, IX. Sampling Distributions, and X. Estimation. Online Statistics Education: A Multimedia Course of Study (<http://onlinestatbook.com/>). Project Leader: David M. Lane, Rice University.

#1 NEW YORK TIMES BESTSELLER • NOW A MAJOR MOTION PICTURE STARRING MICHAEL B. JORDAN AND JAMIE FOXX • A powerful true story about the potential for mercy to redeem us, and a clarion call to fix our broken system of justice—from one of the most brilliant and influential lawyers of our time. “[Bryan Stevenson’s] dedication to fighting for justice and equality has inspired me and many others and made a lasting impact on our country.”—John Legend NAMED ONE OF THE MOST INFLUENTIAL BOOKS OF THE DECADE BY CNN • Named One of the Best Books of the Year by The New York Times • The Washington Post • The Boston Globe • The Seattle Times • Esquire • Time Bryan Stevenson was a young lawyer when he founded the Equal Justice Initiative, a legal practice dedicated to defending those most desperate and in need: the poor, the wrongly condemned, and women and children trapped in the farthest reaches of our criminal justice system. One of his first cases was that of Walter McMillian, a young man who was sentenced to die for a notorious murder he insisted he didn’t commit. The case drew Bryan into a tangle of conspiracy, political machination, and legal brinksmanship.

ship—and transformed his understanding of mercy and justice forever. *Just Mercy* is at once an unforgettable account of an idealistic, gifted young lawyer's coming of age, a moving window into the lives of those he has defended, and an inspiring argument for compassion in the pursuit of true justice. Winner of the Carnegie Medal for Excellence in Nonfiction • Winner of the NAACP Image Award for Nonfiction • Winner of a Books for a Better Life Award • Finalist for the Los Angeles Times Book Prize • Finalist for the Kirkus Reviews Prize • An American Library Association Notable Book "Every bit as moving as *To Kill a Mockingbird*, and in some ways more so . . . a searing indictment of American criminal justice and a stirring testament to the salvation that fighting for the vulnerable sometimes yields."—David Cole, *The New York Review of Books* "Searing, moving . . . Bryan Stevenson may, indeed, be America's Mandela."—Nicholas Kristof, *The New York Times* "You don't have to read too long to start cheering for this man. . . . The message of this book . . . is that evil can be overcome, a difference can be made. *Just Mercy* will make you upset and it will make you hopeful."—Ted Conover, *The New York Times Book Review* "Inspiring . . . a work of style, substance and clarity . . . Stevenson is not only a great lawyer, he's also a gifted writer and storyteller."—*The Washington Post* "As deeply moving, poignant and powerful a book as has been, and maybe ever can be, written about the death penalty."—*The Financial Times* "Brilliant."—*The Philadelphia Inquirer*

A well-balanced introduction to probability theory and mathematical statistics. Featuring updated material, *An Introduction to Probability and Statistics, Third Edition* remains a solid overview to probability theory and mathematical statis-

tics. Divided into three parts, the Third Edition begins by presenting the fundamentals and foundations of probability. The second part addresses statistical inference, and the remaining chapters focus on special topics. *An Introduction to Probability and Statistics, Third Edition* includes: A new section on regression analysis to include multiple regression, logistic regression, and Poisson regression. A reorganized chapter on large sample theory to emphasize the growing role of asymptotic statistics. Additional topical coverage on bootstrapping, estimation procedures, and resampling. Discussions on invariance, ancillary statistics, conjugate prior distributions, and invariant confidence intervals. Over 550 problems and answers to most problems, as well as 350 worked out examples and 200 remarks. Numerous figures to further illustrate examples and proofs throughout. *An Introduction to Probability and Statistics, Third Edition* is an ideal reference and resource for scientists and engineers in the fields of statistics, mathematics, physics, industrial management, and engineering. The book is also an excellent text for upper-undergraduate and graduate-level students majoring in probability and statistics.

Roxy Peck, Chris Olsen and Jay Devore's new edition uses real data and attention-grabbing examples to introduce students to the study of statistical output and methods of data analysis. Based on the best-selling *STATISTICS: THE EXPLORATION AND ANALYSIS OF DATA, Fifth Edition*, this new *INTRODUCTION TO STATISTICS AND DATA ANALYSIS, Second Edition* integrates coverage of the graphing calculator and includes expanded coverage of probability. Traditional in structure yet modern in approach, this text guides students through an intuiti-

tion-based learning process that stresses interpretation and communication of statistical information. Conceptual comprehension is cemented by the simplicity of notation--frequently substituting words for symbols. Simple notation helps students grasp concepts. Hands-on activities and Seeing Statistics applets in each chapter allow students to practice statistics firsthand.

Barron's AP Statistics has in-depth content review, practice tests, and expert explanations to help students feel prepared on test day. The College Board has announced that there are May 2021 test dates available are May 3-7 and May 10-14, 2021. This edition includes:

- Five full-length practice tests in the book
- Three full-length practice tests online
- One diagnostic test to identify strengths and weaknesses so students can focus their study on areas for improvement
- Comprehensive subject review for all test topics
- Tips on how to select an appropriate procedure for the inference question on the exam
- Suggestions on how to prepare for the challenging Investigative Task on the exam
- Thirty-seven quizzes to be used as progress checks
- Fifty Misconceptions
- Fifty Common Errors students make on the AP exam
- Fifty AP Exam Hints, Advice, and Reminders
- A guide to basic uses of TI, Casio, and HP graphing calculators

When you Read Like a Writer (RLW) you work to identify some of the choices the author made so that you can better understand how such choices might arise in your own writing. The idea is to carefully examine the things you read, looking at the writerly techniques in the text in order to decide if you might want to adopt similar (or the same) techniques in your writing. You are reading to learn about writing. Instead of reading for content or to better understand the ideas in

the writing (which you will automatically do to some degree anyway), you are trying to understand how the piece of writing was put together by the author and what you can learn about writing by reading a particular text. As you read in this way, you think about how the choices the author made and the techniques that he/she used are influencing your own responses as a reader. What is it about the way this text is written that makes you feel and respond the way you do?

We want to give you the practice you need on the ACT McGraw-Hill's 10 ACT Practice Tests helps you gauge what the test measures, how it's structured, and how to budget your time in each section. Written by the founder and faculty of Advantage Education, one of America's most respected providers of school-based test-prep classes, this book provides you with the intensive ACT practice that will help your scores improve from each test to the next. You'll be able to sharpen your skills, boost your confidence, reduce your stress-and to do your very best on test day. 10 complete sample ACT exams, with full explanations for every answer 10 sample writing prompts for the optional ACT essay portion Scoring Worksheets to help you calculate your total score for every test Expert guidance in prepping students for the ACT More practice and extra help online ACT is a registered trademark of ACT, Inc., which was not involved in the production of, and does not endorse, this product.

Statistics and Probability with Applications, Third Edition is the only introductory statistics text written by high school teachers for high school teachers and students. Daren Starnes, Josh Tabor, and the extended team of contributors bring their in-depth understanding of statistics and the challenges faced by high school

students and teachers to development of the text and its accompanying suite of print and interactive resources for learning and instruction. A complete re-envisioning of the authors' *Statistics Through Applications*, this new text covers the core content for the course in a series of brief, manageable lessons, making it easy for students and teachers to stay on pace. Throughout, new pedagogical tools and lively real-life examples help captivate students and prepare them to use statistics in college courses and in any career.

Atlanta magazine's editorial mission is to engage our community through provocative writing, authoritative reporting, and superlative design that illuminate the people, the issues, the trends, and the events that define our city. The magazine informs, challenges, and entertains our readers each month while helping them make intelligent choices, not only about what they do and where they go, but what they think about matters of importance to the community and the region. Atlanta magazine's editorial mission is to engage our community through provocative writing, authoritative reporting, and superlative design that illuminate the people, the issues, the trends, and the events that define our city. The magazine informs, challenges, and entertains our readers each month while helping them make intelligent choices, not only about what they do and where they go, but what they think about matters of importance to the community and the region.

Developed from celebrated Harvard statistics lectures, *Introduction to Probability* provides essential language and tools for understanding statistics, randomness, and uncertainty. The book explores a wide variety of applications and examples, ranging from coincidences

and paradoxes to Google PageRank and Markov chain Monte Carlo (MCMC). Additional

This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

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

The second edition of a comprehensive state-of-the-art graduate level text on microeconomic methods, substantially revised and updated. The second edition of this acclaimed graduate text provides a unified treatment of two methods used in contemporary econometric research, cross section and data panel methods. By focusing on assumptions that can be given behavioral content, the book maintains an appropriate level of rigor while emphasizing intuitive thinking. The analysis covers both linear and nonlinear models, including models with dynamics and/or individual heterogeneity. In addition to general estimation frameworks (particular methods of moments and maximum likelihood), specific linear and nonlinear methods are covered in detail, including probit and logit models and their multivariate, Tobit models, models for count data, censored and missing data schemes, causal (or treatment) effects, and duration analysis. *Econometric Analysis of Cross Section and Panel Data* was the first graduate econometrics text to focus on microeconomic data structures, allowing assumptions to be separated into population and sampling assumptions. This second edition has been substantially updated and revised. Improvements include a broader class of models for missing data problems; more

detailed treatment of cluster problems, an important topic for empirical researchers; expanded discussion of "generalized instrumental variables" (GIV) estimation; new coverage (based on the author's own recent research) of inverse probability weighting; a more complete framework for estimating treatment effects with panel data, and a firmly established link between econometric approaches to nonlinear panel data and the "generalized estimating equation" literature popular in statistics and other fields. New attention is given to explaining when particular econometric methods can be applied; the goal is not only to tell readers what does work, but why certain "obvious" procedures do not. The numerous included exercises, both theoretical and computer-based, allow the reader to extend methods covered in the text and discover new insights.

Presents a multifaceted model of understanding, which is based on the premise that people can demonstrate understanding in a variety of ways.

Includes: Print Student Edition

SAT MATH TEST BOOK

'In this brilliant new edition Andy Field has introduced important new introductory material on statistics that the student will need and was missing at least in the first edition. This book is the best blend that I know of a textbook in statistics and a manual on SPSS. It is a balanced composite of both topics, using SPSS to illustrate important statistical material and, through graphics, to make visible important approaches to data analysis. There are many places in the book where I had to laugh, and that's saying a lot for a book on statistics. His excellent style engages the reader and makes reading about statistics fun' - David C Howell, Professor Emeritus, University of Vermont

USA This award-winning text, now fully updated with SPSS Statistics, is the only book on statistics that you will need! Fully revised and restructured, this new edition is even more accessible as it now takes students through from introductory to advanced level concepts, all the while grounding knowledge through the use of SPSS Statistics. Andy Field's humorous and self-deprecating style and the book's host of characters make the journey entertaining as well as educational. While still providing a very comprehensive collection of statistical methods, tests and procedures, and packed with examples and self-assessment tests to reinforce knowledge, the new edition now also offers: - a more gentle introduction to basic-level concepts and methods for beginners - new textbook features to make the book more user-friendly for those learning about more advanced concepts, encouraging 'critical thinking' - a brand new, full-colour design, making it easy for students to navigate between topics, and to understand how to use the latest version of SPSS Statistics - both 'real world' (the bizarre and the wonderful) and invented examples illustrate the concepts and make the techniques come alive for students - an additional chapter on multilevel modelling for advanced-level students - reinforced binding to make the book easier to handle at a computer workstation. The book also includes access to a brand new and improved companion Website, bursting with features including: - animated 'SPSS walk-through' videos clearly demonstrating how to use the latest SPSS Statistics modules - self-marking multiple choice questions - data sets for psychology, business and management and health sciences - a flash-card glossary for testing knowledge of key concepts - access to support material from SAGE study skills books. Statis-

tics lecturers are also provided with a whole range of resources and teaching aids, including: - the test bank - over 300 multiple-choice questions ready to upload to WebCT, Blackboard or other virtual learning environments - charts and diagrams in electronic format for inclusion in lecture slides - PowerPoint slides written by the author to accompany chapters of the text.

College Algebra provides a comprehensive exploration of algebraic principles and meets scope and sequence requirements for a typical introductory algebra course. The modular approach and richness of content ensure that the book meets the needs of a variety of courses. College Algebra offers a wealth of examples with detailed, conceptual explanations, building a strong foundation in the material before asking students to apply what they've learned. Coverage and Scope In determining the concepts, skills, and topics to cover, we engaged dozens of highly experienced instructors with a range of student audiences. The resulting scope and sequence proceeds logically while allowing for a significant amount of flexibility in instruction. Chapters 1 and 2 provide both a review and foundation for study of Functions that begins in Chapter 3. The authors recognize that while some institutions may find this material a prerequisite, other institutions have told us that they have a cohort that need the prerequisite skills built into the course. Chapter 1: Prerequisites Chapter 2: Equations and Inequalities Chapters 3-6: The Algebraic Functions Chapter 3: Functions Chapter 4: Linear Functions Chapter 5: Polynomial and Rational Functions Chapter 6: Exponential and Logarithm Functions Chapters 7-9: Further Study in College Algebra Chapter 7: Systems of Equations and Inequalities Chapter 8: Analytic Ge-

ometry Chapter 9: Sequences, Probability and Counting Theory

View a Panopto recording of textbook author Daren Starnes detailing ten reasons the new fourth edition of *The Practice of Statistics* is the right choice for the AP* Statistics course. Watch instructor video reviews [here](#). Available for your Fall 2010 Course! Request Sample Chapter 3 [here](#). The most thorough and exciting revision to date, *The Practice of Statistics 4e* is a text that fits all AP* Statistics classrooms. Authors Starnes, Yates and Moore drew upon the guidance of some of the most notable names in AP* and their students to create a text that fits today's classroom. The new edition comes complete with new pedagogical changes, including built-in AP* testing, four-step examples, section summaries, "Check Your Understanding" boxes and more. *The Practice of Statistics* long stands as the only high school statistics textbook that directly reflects the College Board course description for AP* Statistics. Combining the data analysis approach with the power of technology, innovative pedagogy, and a number of new features, the fourth edition will provide you and your students with the most effective text for learning statistics and succeeding on the AP* Exam.

High school algebra, grades 9-12.

Introductory Business Statistics is designed to meet the scope and sequence requirements of the one-semester statistics course for business, economics, and related majors. Core statistical concepts and skills have been augmented with practical business examples, scenarios, and exercises. The result is a meaningful understanding of the discipline, which will serve students in their business careers and real-world experiences.

Published by OpenStax College, U.S. His-

tory covers the breadth of the chronological history of the United States and also provides the necessary depth to ensure the course is manageable for instructors and students alike. U.S. History is designed to meet the scope and sequence requirements of most courses. The authors introduce key forces and major developments that together form the American experience, with particular attention paid to considering issues of race, class and gender. The text provides a balanced approach to U.S. history, considering the people, events and ideas that have shaped the United States from both the top down (politics, economics, diplomacy) and bottom up (eyewitness accounts, lived experience).

With the same design and feature sets as the market leading *Precalculus, 8/e*, this addition to the Larson *Precalculus* series provides both students and instructors with sound, consistently structured explanations of the mathematical concepts. Designed for a two-term course, this text contains the features that have made *Precalculus* a complete solution for both students and instructors: interesting applications, cutting-edge design, and innovative technology combined with an abundance of carefully written exercises. In addition to a brief algebra review and the core precalculus topics, *PRECALCULUS WITH LIMITS* covers analytic geometry in three dimensions and introduces concepts covered in calculus. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The textbook provides a comprehensive guide to teaching AP® Statistics effectively for new and experienced teachers alike. The 5th edition offers an introduction with general advice for teaching

AP® Statistics, a pacing guide for the chapter featuring Learning Objectives and suggested homework assignments, and other teaching resources. Features include Teaching Tips, notes about AP® Exam common errors and using the AP® Exam formula Sheet, and integrated notes on extra resources that are available.

Alcohol use disorder (AUD) is a major public health problem in the United States. The estimated 12-month and lifetime prevalence values for AUD are 13.9% and 29.1%, respectively, with approximately half of individuals with lifetime AUD having a severe disorder. AUD and its sequelae also account for significant excess mortality and cost the United States more than \$200 billion annually. Despite its high prevalence and numerous negative consequences, AUD remains undertreated. In fact, fewer than 1 in 10 individuals in the United States with a 12-month diagnosis of AUD receive any treatment. Nevertheless, effective and evidence-based interventions are available, and treatment is associated with reductions in the risk of relapse and AUD-associated mortality. The American Psychiatric Association Practice Guideline for the Pharmacological Treatment of Patients With Alcohol Use Disorder seeks to reduce these substantial psychosocial and public health consequences of AUD for millions of affected individuals. The guideline focuses specifically on evidence-based pharmacological treatments for AUD in outpatient settings and includes additional information on assessment and treatment planning, which are an integral part of using pharmacotherapy to treat AUD. In addition to reviewing the available evidence on the use of AUD pharmacotherapy, the guideline offers clear, concise, and actionable recommendation statements, each of

which is given a rating that reflects the level of confidence that potential benefits of an intervention outweigh potential harms. The guideline provides guidance on implementing these recommendations into clinical practice, with the goal of improving quality of care and treatment outcomes of AUD.

The essential introduction to the theory and application of linear models—now in a valuable new edition Since most advanced statistical tools are generalizations of the linear model, it is necessary to first master the linear model in order to move forward to more advanced concepts. The linear model remains the main tool of the applied statistician and is central to the training of any statistician regardless of whether the focus is applied or theoretical. This completely revised and updated new edition successfully develops the basic theory of linear models for regression, analysis of variance, analysis of covariance, and linear mixed models. Recent advances in the methodology related to linear mixed models, generalized linear models, and the Bayesian linear model are also addressed. *Linear Models in Statistics, Second Edition* includes full coverage of advanced topics, such as mixed and generalized linear models, Bayesian linear models, two-way models with empty cells, geometry of least squares, vector-matrix calculus, simultaneous inference, and logistic and nonlinear regression. Algebraic, geometrical, frequentist, and Bayesian approaches to both the inference of linear models and the analysis of variance are also illustrated. Through the expansion of relevant material and the inclusion of the latest technological developments in the field, this book provides readers with the theoretical foundation to correctly interpret computer software output as well as effectively use, cus-

tomize, and understand linear models. This modern Second Edition features: New chapters on Bayesian linear models as well as random and mixed linear models Expanded discussion of two-way models with empty cells Additional sections on the geometry of least squares Updated coverage of simultaneous inference The book is complemented with easy-to-read proofs, real data sets, and an extensive bibliography. A thorough review of the requisite matrix algebra has been added for transitional purposes, and numerous theoretical and applied problems have been incorporated with selected answers provided at the end of the book. A related Web site includes additional data sets and SAS® code for all numerical examples. *Linear Model in Statistics, Second Edition* is a must-have book for courses in statistics, biostatistics, and mathematics at the upper-undergraduate and graduate levels. It is also an invaluable reference for researchers who need to gain a better understanding of regression and analysis of variance.

The *College Physics for AP(R) Courses* text is designed to engage students in their exploration of physics and help them apply these concepts to the Advanced Placement(R) test. This book is Learning List-approved for AP(R) Physics courses. The text and images in this book are grayscale.

The politics of Ulster Unionism is central to the success or failure of any political settlement in Northern Ireland. This book examines the relationship between Ulster Unionism and the peace process in reference to these questions.

The bestselling workbook and grammar guide, revised and updated! Hailed as one of the best books around for teaching grammar, *The Blue Book of Grammar and Punctuation* includes easy-to-under-

stand rules, abundant examples, dozens of reproducible quizzes, and pre- and post-tests to help teach grammar to middle and high schoolers, college students, ESL students, homeschoolers, and more. This concise, entertaining workbook makes learning English grammar and usage simple and fun. This updated 12th edition reflects the latest updates to English usage and grammar, and includes answers to all reproducible quizzes to facilitate self-assessment and learning. Clear and concise, with easy-to-follow explanations, offering "just the facts" on English grammar, punctuation, and usage Fully updated to reflect the latest rules, along with even more quizzes and pre- and post-tests to help teach grammar Ideal for students from seventh grade through adulthood in the US and abroad For anyone who wants to understand the major rules and subtle guidelines of English grammar and usage, *The Blue Book of Grammar and Punctuation* offers comprehensive, straightforward instruction. *Cincinnati Magazine* taps into the DNA of the city, exploring shopping, dining, living, and culture and giving readers a ringside seat on the issues shaping the region.

With an exciting new look, math diagnostic tool, and a research roadmap to navigate projects, this new edition of Andy Field's award-winning text offers a unique combination of humor and step-by-step instruction to make learning statistics compelling and accessible to even the most anxious of students. The Fifth Edition takes students from initial theory to regression, factor analysis, and multilevel modeling, fully incorporating IBM SPSS Statistics© version 25 and fascinating examples throughout. SAGE edge offers a robust online environment featuring an impressive array of free tools and resources for review, study,

and further exploration, keeping both instructors and students on the cutting edge of teaching and learning. Course cartridges available for Blackboard and Moodle. Learn more at edge.sagepub.com/field5e Stay Connected Connect with us on Facebook and share your experiences with Andy's texts, check out news, access free stuff, see photos, watch videos, learn about competitions, and much more. Video Links Go behind the scenes and learn more about the man behind the book at Andy's YouTube channel Andy Field is the award winning author of *An Adventure in Statistics: The Reality Enigma* and is the recipient of the UK National Teaching Fellowship (2010), British Psychological Society book award (2006), and has been recognized with local and national teaching awards (University of Sussex, 2015, 2016).

Precalculus is adaptable and designed to fit the needs of a variety of precalculus courses. It is a comprehensive text that covers more ground than a typical one- or two-semester college-level precalculus course. The content is organized by clearly-defined learning objectives, and includes worked examples that demonstrate problem-solving approaches in an accessible way. Coverage and Scope Precalculus contains twelve chapters, roughly divided into three groups. Chapters

1-4 discuss various types of functions, providing a foundation for the remainder of the course. Chapter 1: Functions Chapter 2: Linear Functions Chapter 3: Polynomial and Rational Functions Chapter 4: Exponential and Logarithmic Functions Chapters 5-8 focus on Trigonometry. In Precalculus, we approach trigonometry by first introducing angles and the unit circle, as opposed to the right triangle approach more commonly used in College Algebra and Trigonometry courses. Chapter 5: Trigonometric Functions Chapter 6: Periodic Functions Chapter 7: Trigonometric Identities and Equations Chapter 8: Further Applications of Trigonometry Chapters 9-12 present some advanced Precalculus topics that build on topics introduced in chapters 1-8. Most Precalculus syllabi include some of the topics in these chapters, but few include all. Instructors can select material as needed from this group of chapters, since they are not cumulative. Chapter 9: Systems of Equations and Inequalities Chapter 10: Analytic Geometry Chapter 11: Sequences, Probability and Counting Theory Chapter 12: Introduction to Calculus Includes recommended citation format styles for journals, books, conference publications, patents, audio visuals, electronic information, maps, legal materials, newspaper articles, bibliographies, dissertations, and scientific reports.