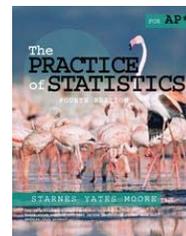


AP Statistics Textbooks, Software, Resource Books, Exam Review Materials

Textbooks

1. The Practice of Statistics, Fourth Edition (TPS 4e), by Daren Starnes, Dan Yates, and David Moore, W. H. Freeman and Company, 2012. ISBN-10: 1-4292-4559-X ISBN-13: 978-1-4292-4559-3
<http://www.highschool.bfwpub.com/Catalog/product/practiceofstatistics-fourthedition-starnes>



The Practice of Statistics (TPS) was the first book written specifically for the Advanced Placement (AP) Statistics course. *TPS* is organized to closely follow the College Board's AP Statistics Course Description and is designed to prepare students for the AP exam. In the fourth edition (*TPS 4e*), we have made the AP connection even stronger by:

- Ensuring that every item on the College Board's "Topic Outline" is covered thoroughly in the text. In addition, we have indicated content that goes beyond the AP syllabus, such as Simpson's paradox, data ethics, and Normal approximation to the binomial.
- Continuing to use terms, notation, formulas, and tables that are consistent with those found on the AP Statistics exam.
- Following accepted conventions from AP exam rubrics when presenting model solutions.
- Adding five-option multiple-choice exercises throughout, as well as an AP Statistics Practice Test at the end of each chapter and four Cumulative AP Practice Tests.
- Including AP Exam Tips in the margin where appropriate.
- Consulting a Content Advisory Board and supplements team who are intimately familiar with the AP Statistics course and exam.

e-book: Fully integrates the text with the student media, including the statistical applets used in many of the activities and data explorations. The eBook also offers a range of customization features including bookmarking, highlighting, note-taking, plus a convenient glossary. Available in One-Year and Six-Year Formats.

Annotated Teacher's Edition, by Josh Tabor ISBN-10: 1-4292-6258-3 ISBN-13: 978-1-4292-6258-3

With the fourth edition, we have incorporated all of the good things of the past, added more advice, alternate examples and resources, and restructured the way these are presented. To make things more efficient for teachers, we have decided to put as many resources as possible in the Annotated Teacher's Edition. This means that many of the great resources you used to find in the Teacher's Resource Binder are now in the ATE, making it the primary place teachers should look for advice about teaching AP Statistics.

Features:

- The complete student text.
- An introduction with general advice for teaching AP Statistics.
- Additional pages at the beginning of each chapter giving an overview of the chapter, including a discussion of the big ideas and correspondence with the AP Topic Outline.
- A list of resources for each chapter, including a comprehensive list of AP Free Response questions appropriate for that chapter.
- A pacing guide for each chapter, including learning objectives and suggested homework assignments.
- An exercise guide for each chapter, summarizing the content and format of each exercise to make assignments easier to plan.
- Answers, including graphs, on the same page as the exercises as well as answers to the Check Your Understanding features in the student text.
- Other features within each chapter include: Teaching Tips, AP Exam Common Errors, AP Exam Formula Sheet References, Alternate Activities, Alternate Examples, Learning Objectives, Technology Tips, References to materials in the Teacher's Resource Binder, Applets, and other useful resources.

Titanium Resource Binder, by Josh Tabor and Tim Brown ISBN-10: 1-4292-6259-1 ISBN-13: 978-1-4292-6259-0

Includes:

- A sample syllabus to provide a model for the AP audit.
- Duplication-ready Tables and Formula Sheets from the text.
- AP Free Response Question (FRQ) Summary.
- Three prepared quizzes for each section in the book.
- Three prepared tests for each chapter in the book with answer keys.
- Additional resources for each chapter that work in tandem with the ATE, including additional problems, materials for activities, rubrics for projects, review materials for the AP Exam, etc.
- AP Prep Flash Cards by Erica Chauvet.

Teacher's Resource CD-ROM ISBN-10: 1-4292-6254-0 ISBN-13: 978-1-4292-6254-5

Includes:

- All tests and quizzes from the Teacher's Resource Binder in Word format.
- Jason Molesky's Lecture PowerPoint Presentations.
- Image PowerPoints and JPEG Image Bank.
- The Teacher's Solutions Manual (PDF format).
- Statistical Applets referenced in the Activities and Data Explorations in the textbook.
- Supplemental Chapters, with accompanying teacher's resources, solutions, and other supplementary material (PDF format): Analysis of Variance, Multiple Linear Regression, Logistic Regression
- Data files for the larger data sets in a variety of formats, including: TI-83/84, TI-89, TI-Nspire, Fathom, Minitab, Excel, ASCII.

Teacher's Solutions Manual, by Ann Cannon ISBN-10: 1-4292-6261-3 ISBN-13: 978-1-4292-6261-3

Includes complete, worked-out solutions to all problems in the text. Care has been taken to insure that the language, notation, and terminology used in the Solutions Manual mirrors the text and the style of the AP Exam.

Printed Test Bank, by Tim Brown ISBN-10: 1-4292-6257-5 ISBN-13: 978-1-4292-6257-6

Offers more than 1000 questions, including: multiple-choice questions in the AP-exam style, with 5 stem answer, roman numeral problems, interpretation of graphs and output, and data analysis problems based on scenarios including statistical output, tables, and graphs. Each chapter also includes a table that identifies the content of each question to make question selection as easy as possible. The questions from the tests and quizzes found in the TRB are included in the test bank and are flagged for reference.

Computerized Test Bank, by Tim Brown**ISBN-10: 1-4292-6256-7****ISBN-13: 978-1-4292-6256-9**

Users may select from over 1000 test questions or write their own questions. Questions may be scrambled to create different versions of tests. Tests may be printed in many different formats or may be administered online using the ExamView Player.

Fathom Guide, by Tim Erickson**ISBN-10: 1-4292-6262-1****ISBN-13: 978-1-4292-6262-0**

Serves as both a basic introduction to Fathom and a guide for using this breakthrough software with TPS 4e.

Prep for the AP Exam Guide, by Michael Legacy**ISBN-10: 1-4292-6263-X****ISBN-13: 978-1-4292-6263-7**

Features four full-length AP style practice exams, each with 40 multiple-choice questions, 5 free response questions and an investigative task. Each exam has a full answer key with page references to relevant content in TPS4e.

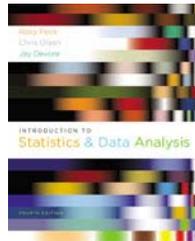
Book companion site: www.whfreeman.com/tps4e The TPS 4e Student Companion Web site offers a variety of resources to help students succeed in their AP Statistics course. This site is open to all students; no registration is required. *Resources include:*

- Statistical Applets that allow students to manipulate data and see the corresponding results graphically.
- Online Quizzes with instant feedback to help students master the material and prepare for chapter tests.
- EESSE Statistical Case Studies and accompanying exercises. The cases are organized by book chapter and by "real world" topic and include problems, graphics, and data sets portable to a variety of formats.
- Heather Overstreet's *TI-Nspire Activities (pdf format)*
- Data files for the larger data sets in a variety of formats, including: TI-83/84, TI-89, TI-Nspire, Fathom, Minitab, Excel, ASCII
- Calculator Program Files
- Supplemental Chapters (pdf format)
- Chapter 13. Analysis of Variance
- Chapter 14. Multiple Linear Regression
- Chapter 15. Logistic Regression
- and more...

2. Introduction to Statistics & Data Analysis, 4th edition (POD 4e) by Roxy Peck, Chris Olsen, and Jay Devore, Cengage Learning, 2012. ISBN-10: 0-840-06841-7 ISBN-13: 978-0-840-06841-5

<http://holtmcdougal.hmhco.com/hm/detail.htm?ID=1007500000079211>

Introduce your AP* students to the dynamic study of statistics and data analysis using the real, intriguing data and attention-grabbing examples found only in *Introduction to Statistics & Data Analysis*. This edition guides students through an intuition-based learning process that stresses interpretation and communication of statistical information, while preparing your class for all four parts of the AP* exam. More than 50 new examples and more than 270 new exercises, which use data from current newspapers and journals, help students understand statistical concepts in a realistic context. Exercises have been added to the "Interpreting and Communicating the Results of Statistical Analyses" sections, giving students the chance to practice these important skills.

**Instructor's Annotated Edition:****ISBN-10: 0-840-06838-7****ISBN-13: 978-0-840-06838-5**

This instructor version of the text includes answers to all exercises, including those not found in the answer key of the student edition, as well as teaching tips and annotated hints in the margins for covering certain topics.

Teacher's Resource Binder:**ISBN-10: 1-111-57473-1****ISBN-13: 978-1-111-57473-4****Teacher's Resource CD-ROM:****ISBN-10: 1-111-57474-X****ISBN-13: 978-1-111-57474-1****PowerLecture CD-ROM w/ExamView Testing ISBN-10: 1-111-57424-3 ISBN-13: 978-1-111-57424-6**

This CD-ROM provides the instructor with dynamic media tools for teaching, including Microsoft® PowerPoint® lecture slides and figures from the book. Create, deliver, and customize tests (both print and online) in minutes with ExamView® Computerized Testing, featuring algorithmic equations. You'll also find a link to the Solution Builder online solutions manual, allowing you to easily build solution sets for homework or exams.

3. Statistics in Action, 2nd edition (SIA 2e), by Ann Watkins, Dick Schaeffer, and George Cobb, Key Curriculum Press, 2008. ISBN-13: 978-1-55953-909-8 <http://www.keypress.com/x5494.xml>

Prepare Students for AP success by Working with Real Data. *Statistics in Action* provides in-depth coverage of AP Exam topics and question styles. New textbook features focus on the AP Exam:

- AP Sample Tests for each chapter
- AP Tip icons in the text that alert students to pay special attention to certain concepts or procedures
- "Model Answer" exercises that give students practice with questions similar to those on the free-response portion of the AP Exam.
- You'll be able to cover all the AP Statistics topics—before the AP Exam.

With the first 11 chapters, you'll give students the concepts, skills, explanations, and experiences they need to learn and retain the material tested on the AP Exam. After the exam, you can teach the last chapter, which covers more advanced material.

- You will find it easier to motivate your students as they work with real-world data and authentic case studies found throughout this statistics curriculum.
- Engaging activities—many intended to be taught using partners or small groups—give you an interesting way to introduce and teach the topics that allows your students to explore and internalize statistical concepts.
- You will solidify your students' statistical reasoning with guided discussions followed by practice problems in which the important ideas build on one another.
- The textbook's frequent, high-quality examples will help you clearly demonstrate statistical techniques and



illustrate a wide variety of statistical applications. • Experiments and practice problems will help you prepare your students to apply their statistical knowledge both to everyday situations and the AP Statistics Exam. • You will easily integrate technology for a deeper learning experience. *Statistics in Action* incorporates appropriate graphing calculator usage and helps you teach your students to read a variety of graphical displays and computer printouts from industry-standard software—skills they'll need for success on the AP Statistics Exam, in future courses, and in field practice. Likewise, you can easily enhance your students' ability to analyze large data sets with statistical software, such as *Fathom*.

Student Resource Site: <http://www.keypress.com/x7065.xml>

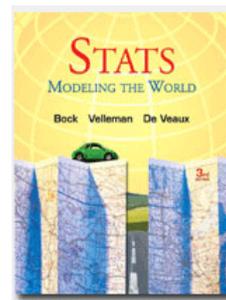
Instructor's Guide Volumes 1 and 2 These guides provide comprehensive support for implementing this curriculum. Chapter Overviews include goals, content overviews, time requirements, materials lists, and suggestions for class and home assignments. There are daily lesson plans with special notes for AP® teachers, complete solutions to all problems, blackline masters, and correlations to the AP Statistics Topic Outline.

Instructor's Resource Book with CD This book contains chapter quizzes and tests (including multiple choice and AP Practice Quizzes), print and Web resources, and additional case studies. The CD includes calculator programs and textbook data sets in multiple formats: Word, Excel, Fathom, TI-83/84 Plus, TI-89, and TI-Nspire.

Calculator Notes for the Texas Instruments TI-83 Plus and TI-84 Plus This ancillary gives keystroke directions for using all calculator functions referenced in the student textbook, plus calculator programs.

Statistics in Action with Fathom This supplement uses Fathom Dynamic Data Software to provide alternative versions of most activities in the student textbook. These technology-enhanced experiences deepen students' understanding. The accompanying CD contains Fathom data sets and demonstrations.

4. Stats: Modeling the World, 3rd edition (BVD 3e), by Dave Bock, Paul Velleman, and Dick DeVeaux, Pearson Education, 2010. ISBN-10: 0131359584 ISBN-13: 9780131359581
http://wps.aw.com/aw_bock_statsmodworld_3/



Features: • Leads with practical data analysis and graphics, encouraging students to "do statistics" and "think statistically" from the start. • Applauded for its readability—your students will read this book! • New TI-Nspire content integrated throughout the text, including margin pointers describing the new calculator activities. • Updated data used in examples and exercises. • Hundreds of new exercises, including more single-concept exercises, prepare students for the more comprehensive exercises. • Video Lectures for each chapter of the text show the authors delivering a 7-10 minute review of the important points of the chapter. Instructors then show students how to solve statistics problems by carefully working through an example from the text using the authors' hallmark Think/Show/Tell problem-solving method. • Instructor Resource CD-ROM and ActivStats CD-ROM packaged with every new copy of the Teacher's Edition. • Fully updated AP teacher and student supplements—including *AP* Statistics Test Prep workbook*, Teacher's Edition, Teacher' Solutions Manual, Test Bank and Teacher Resource Manual, TestGen, and Graphing Calculator Manual.

Teacher's Edition	ISBN-10: 0131359592	ISBN-13: 9780131359598
Teacher's Solutions Manual	ISBN-10: 0131360094	ISBN-13: 9780131360099
Printed Test Bank & Resource Manual	ISBN-10: 0131359606	ISBN-13: 9780131359604
TestGen CD-ROM	ISBN-10: 0131359614	ISBN-13: 9780131359611
Graphing Calculator Manual	ISBN-10: 0321570944	ISBN-13: 9780321570949
Video Lectures on DVD	ISBN-10: 0321571037	ISBN-13: 9780321571038
AP Test Prep: Statistics	ISBN-10: 0131359649	ISBN-13: 9780131359642

Software



MINITAB, Inc.

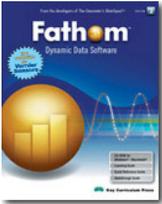
High School Representative: Linda Holderman (800) 448-3555 X3241 or (814) 753-3241
lholderman@minitab.com

<http://www.minitab.com/>

Minitab is the ideal package to prepare your students for the Advanced Placement Statistics Exam—and college. More than 400 textbooks and supplements reference Minitab, making it easy to integrate into statistical coursework. And because the software includes more than 700 sample data sets, it's easy to enhance your courses and reduce class preparation time.

Fathom* Software and Curriculum

http://www.keypress.com/catalog/products/software/Prod_Fathom.html



In the same way that *The Geometer's Sketchpad*® revolutionized the study of geometry, *Fathom Dynamic Statistics* software will forever change the way you and your students approach the study of statistics. Coming from three years of National Science Foundation-funded research and development, this amazing computer learning environment gives your students the power to gather, explore, and analyze data, and to understand statistics as never before. Dynamic dragging makes data analysis easy and abstract concepts meaningful. It's an invaluable tool that helps your students excel at and enjoy courses from algebra to statistics—and other subjects as well.

JMP Software

<http://www.jmp.com/academic/student.shtml>

Contact: Connie Freeman (919) 531-6433 or email Connie.Freeman@jmp.com

JMP Student Edition is available in a convenient five-year license for qualified Advanced Placement statistics programs.



Online software



www.statcrunch.com

CrunchIt!

<http://bcs.whfreeman.com/eeseecrunchit/>

Free, downloadable software

WinStat

<http://math.exeter.edu/rparris/winstats.html>

Videos

Against All Odds: Inside Statistics

<http://www.learner.org/resources/series65.html>

With an emphasis on "doing" statistics rather than on passive learning, this series goes on location to help uncover statistical solutions to the puzzles of everyday life. You learn how data collection and manipulation--paired with intelligent judgment and common sense--lead to greater understanding of the world.

Decisions Through Data

<http://www.comap.com/product/?idx=200>

Statistics: Decisions Through Data is an introductory statistics course that unravels the statistical arguments behind surveys, polls, experiments, and product claims. Each episode begins with a documentary segment that engages students' interest, and then teaches skills to gather data, analyze patterns, and draw conclusions about real-world issues.

Statistically Speaking and Stat Clips

<http://www.proproblem.com/WHF/Index5.html>

Statistically Speaking videos bring the world of statistics into your classroom. Using documentary footage and interviews with people who use statistics in their professional lives, these 32 videos (of approx 20 minutes in length) demonstrate how statistics is used by real people to make important decisions.

StatClips lecture videos were created and presented by Alan Dabney, PhD, Statistics Department, Texas A&M University. These 36 videos are innovative visual tutorials that illustrate key statistical concepts. In 3-5 minutes, each *StatClips* video combines dynamic animation, data sets, and interesting scenarios to help students understand the concepts in an introductory statistics course. Whether used in the classroom, or as a supplemental resource, *StatClips* provide a new, contemporary means for learning statistics.

Resource Books

Workshop Statistics: Discovery with Data, 4th Edition, by Allan J. Rossman, Beth L. Chance, Wiley Publishing, 2012. ISBN-13: 978-0-470-54209-5

The fourth edition of *Workshop Statistics: Discovery with Data* continues to emphasize collaborative learning, require student observation, and integrate technology for gathering, recording, and synthesizing data. It provides even more guidance and resources for students to support their active learning of statistics and includes updated real data sets with everyday applications in order to promote statistical literacy.

Activity-Based Statistics, 2nd edition, by Dick Schaeffer et. al., Wiley Publishing, 2008.

<http://www.wiley.com/WileyCDA/WileyTitle/productCd-EHEP000278.html>

Activity-Based Statistics helps build real statistical understanding through a set of innovative hands-on activities that can be used each day in conjunction with other texts. The second edition continues to emphasize discovery by motivating students to apply the skills they have learned to discover the everyday relevance of statistics. There are over 45 activities and five long-term projects that have been updated and extended to encourage students to experience statistics in context. While the second edition includes updated technology extensions for Fathom, technology is used throughout the book to extend activities and is not required to complete them.

The Cartoon Guide to Statistics, by Larry Gonick, Woolcott Smith (Contributor), Woolcott Smith, HarperCollins (paper); ISBN-10: 0062731025 <http://www.amazon.com>

AP Exam Review Books

AP Statistics: Preparing for the Advanced Placement Examination, 2nd edition, by James Bohan in collaboration with Beth Chance <http://www.amscopub.com/>

Barron's AP Statistics, 5th Edition, by Martin Sternstein, ISBN-13: 9780764140892

<http://www.barroneduc.com/0764140892.html>

BARRON'S AP STATISTICS FLASH CARDS, by Martin Sternstein, ISBN-13: 9780764194108

<http://www.barroneduc.com/0764194100.html>

REA AP Statistics with TestWare, by Robin Levine-Wissing, November 2009, ISBN-13: 9780738607900

http://www.rea.com/display_prod.cfm?p=0738607908&g=0878916520

Princeton Review Cracking the AP Statistics Exam, 2011 edition, by Madhuri Mulekar, ISBN-13: 978-0375427824 www.amazon.com

5 Steps to a 5 AP Statistics, 2010-2011 Edition, by Duane Hinders, ISBN-13: 9780071621885

<http://www.mhprofessional.com/product.php?cat=111&isbn=0071621881>