

The Practice of Statistics 8th edition

Resource Materials

Annotated Teacher's Edition (print and ebook)

Resources

- **Complete Solutions.** Complete worked solutions to the Check Your Understanding problems, Section Exercises, Unit Review Exercises, AP® Practice Tests, and Cumulative AP® Tests in the student textbook are available as PDF files in Achieve or by clicking on the link in the TE book. Care has been taken to ensure that the language, methodology, and notation are consistent with that used on the AP® Statistics exam.
- **Lecture Presentation Slides.** One, or more, PowerPoint deck has been developed per section to provide a starting point for teachers new to the course or to share with students who miss class. They have been designed to work in tandem with the new Lesson Handouts and to conform to the suggested Pacing Guide in the Teacher's Edition. The slides highlight the important vocabulary, skills, and ideas in each section and feature all of the Alternate Examples from the Teacher's Edition. Care has been taken with font and style to make them easy to use in Google classroom, as well.
- **NEW Lesson Handouts.** Premade lesson handouts in PDF format are available for students to use during daily lessons. The lesson handouts are aligned with the pacing guide and Lecture Presentation Slides. They cover the content defined by each Check Your Understanding feature. The lesson handouts for each unit/part are provided as PDFs in a zipped folder.
- **Premade Tests and Quizzes.** A full complement of ready-made quizzes and tests, with solutions, are available to assign on Achieve or print from a PDF. You may use them as written or modify them to create your own assessments.
- **Alternate Examples.** An Alternate Example is provided in Word format for every example in the textbook. They are featured in the Lecture Presentation Slides and Lesson Handouts.
- **Additional Handouts and Activities.** A set of additional handouts, worksheets, activities, simulations, templates, etc. are provided for each unit/part to enhance the content included in the student editions and to provide options for teachers.
- **Learning Target grids.** A list of learning targets is included at the beginning of each section. This tracking grid in PDF format is available to print and distribute to your students, if desired.
- **AP(R) Stats Prep Flashcards** are provided to help students study for unit tests and the AP® Statistics exam. We suggest printing them on card stock and laminating them for increased durability.
- **FRAPPY! Materials.** Supporting materials for the FRAPPY! (Free Response AP Problem, Yay!) are provided on Achieve. These materials include sample student responses, a scoring rubric, scoring commentaries, and a printable version of the original question with space for students to write their responses. They are not included in the student edition text, but teachers may choose to share them with their students.

- **Cumulative AP® Practice Tests.** A comprehensive test has been created by the authors for each of the 5 Units in the text. The Unit 1 test covers both parts of Unit 1. Each subsequent Cumulative test assesses the content of all previous units so that Cumulative AP® Practice Test 5 covers all of the course content required for the AP® Statistics exam.
 - The first four tests are written to be completed in about 2 hours (15 MC and 1 FRQ, with scoring guidelines), while the final test will mirror the real exam (42 MC and 4 FRQ, with scoring guidelines) and require about 6 hours for completion.
 - The Cumulative AP® Practice Tests are not included in the printed student edition or ebook to allow teachers to control the content. However, teachers are welcome to share them with their students.
- **Free Response Questions from Previous AP® Statistics Exams.** The author team maintains a comprehensive list of all free response questions from previous AP® Statistics exams that can be answered at the end of each unit/part. This list (the APFRQ Index) is updated after each AP® Statistics exam and can be found in the Teacher's Resources on Achieve.
- **Professional development videos**
 - **Unit/Part Overview videos** prepared by text authors, Daren Starnes and Josh Tabor, offer guidance on teaching the content in each Unit and Part. The authors introduce the big ideas in the unit as a whole and then highlight key concepts and skills in each section.
 - **Activity Overview videos:** one video per activity in the student edition provides insight and guidance on using the activity effectively in class
 - **Introduction to the TE and Resources video.** Teacher's Edition author, Doug Tyson, provides insights into teaching AP® Statistics and offers a tour of the Teacher's Edition and Teachers' Resources to help teachers use the myriad resources effectively.
- **Student and teacher videos.** Prepared by a diverse team of experienced AP(R) Statistics teachers, each of these videos is designed to emulate the voice of the teacher helping the student understand the content and develop mastery of the skills when the classroom teacher is not available:
 - **Example videos:** one per example in the student edition
 - **Exercise videos: selected exercises:** one for each **FOR PRACTICE, TRY EXERCISE**
 - **Review Exercise videos:** every review exercise is explored
- **Tech Corner videos.** Step-by-step instructions that mirror the Tech Corners in the Student Edition are provided for TI-84, Desmos, NumWorks, and Nspire. As new calculators become available, more may be added.
- **StatsExtras.** This new tool, organized by unit, provides easy access to many additional resources for teaching AP® Statistics to help you enrich your course and save valuable time. Because existing digital resources like blog posts, applets, external data sets, and other useful tools may have unexpected url changes, we have provided a spreadsheet that includes current hyperlinks to these resources and other new ones that may come into being.

Achieve is a comprehensive set of interconnected teaching and assessment tools that incorporate the most effective elements from Macmillan Learning's market leading solutions in a single, easy-to-use platform. Read the text, watch videos, and receive guided feedback on your homework.

- **Easy access to resources with the ebook.** Interactive and mobile-ready, the ebook allows students to read and reference the text both online and offline. All offline highlights and notes sync when you connect to the Internet. What's more, linked icons give students instant access to examples, exercise, and tech corner videos while online.
- The **online homework** system provides targeted feedback based on common misconceptions. It functions as a tutorial for students, guiding them to correct understanding and holding them accountable through the scores they earn. All of the feedback was written by experienced AP(R) Statistics teachers who have experience grading thousands of AP(R) Statistics exams.
- Thousands of practice problems are available including, **Check Your Understanding** problem, selected **Section Exercises**, all **Unit/Part Review exercises**, each **Unit/Part AP® Statistics Practice Test**, and all of the **Cumulative AP(R) Practice Tests** from the text.
- **Integrated Grading.** Students receive scores when they complete any assignment in Achieve. Teachers can choose to use that score as a grade or just acknowledge that the student completed the assignment.
- **Insight into student/class performance.** Teachers have the ability to view every single error that every single student, or group of students, made on each problem
- Teachers have full access to the Teacher's Edition Ebook and all TPS8 resources on Achieve.

BFW Test bank

- Features more than 2000 Questions including approximately 1400 multiple choice, with 4 answer choices to mirror the 2027 AP® Statistics exam style, and more than 600 open-ended, FRQ style questions.
- Each question has been tagged with the section and learning target to which it applies to allow teachers to choose MC and Free Response questions from our question bank to create their own tests and quizzes.
- MC items can be randomized, such that once a teacher selects the desired questions for a test/quiz, they can choose to print different FORMS of the assessment where the choices (A, B, C, D) are scrambled before printing.
- The created tests/quizzes can be exported to Word, PDF, or other formats and then printed or they may be exported to Canvas and other learning management systems.