



TPS 7e vs. Updated TPS 6e

From Daren and Josh -

The Updated version of *TPS 6e* was written using a preliminary draft of the 2019 Course and Exam Description (CED), and well before the majority of the resources for AP[®] Classroom were created. And while the content in Updated *TPS 6e* aligns well with the CED on a unit level, the arrangement of the content within units deviated somewhat from the order of topics in the CED. Consequently, some users have found it difficult to use the Progress Checks, AP Daily videos, and Topic Questions that follow the strict ordering of the CED. Furthermore, the alignment between Updated *TPS 6e* and the CED was not transparent, as Updated *TPS 6e* was divided into 12 chapters while the CED was divided into 9 units.

The book's website (bfwpub.com/tps7e) has a lot of useful information about the new edition, but we want to highlight some important goals of *TPS 7e* here. These goals show how we capitalized on what we have learned since 2019 to address the concerns above, as well as describe many other new and continuing features that set *TPS* apart from its competitors.

- **Sharpen Alignment to the AP Statistics CED and AP Classroom Resources.** The 7th edition of *TPS* perfectly aligns with the College Board's Course and Exam Description (CED) for AP Statistics. The nine units in the CED correspond exactly with the nine units in *TPS 7e*, with longer units broken into two parts. This alignment makes it easy for teachers and students to know exactly where to look for resources in AP Classroom. Furthermore, the order of topics *within units* is also very tightly aligned to the CED, making it easy to use AP Daily videos, Topic Questions, and Progress Checks during the unit. Here are several examples of the many ways we sharpened the alignment:
 - In Updated *TPS 6e*, Chapters 8 and 9 present confidence intervals for a proportion, confidence intervals for a difference in proportions, significance tests for a proportion, and significance tests for a difference in proportions, in that order. In *TPS 7e*, Unit 6 (Parts I and II) present these topics in the order specified by the CED: confidence intervals for a proportion, significance tests for a proportion, confidence intervals for a difference in proportions, and significance tests for a difference in proportions. Similar changes were made to the inference topics in Unit 7.
 - Relationships between two categorical variables were shifted from Chapter 1 to Unit 2, to match their placement in the CED. Likewise, normal random variables were shifted from Chapter 6 to Unit 5.



- In *TPS 7e* we use exactly the same notation as on the formula sheet provided on both sections of the AP exam. For example, we use $\sigma_{\bar{x}}$ rather than $\sigma_{\bar{x}}$ for the standard error of the sampling distribution of the sample mean.
- **Make the Structure within Sections More Transparent.** In the 7th edition, we reorganized every section so that each Learning Target has a single corresponding subsection, each subsection has an example addressing the Learning Target, and each example leads to a very similar exercise (which has a back reference to the example). In the Section Exercises, we added headings corresponding to the Learning Targets to make it easier for teachers to create assignments.
- **Provide AP-Style Model Solutions in the Examples.** Speaking of examples, in *TPS 7e*, all of the examples are written in problem/solution format, giving students examples of solutions that are closely modeled after current (2021 and later) AP exam scoring guidelines. Furthermore, in each of these examples, the voice of the teacher and the voice of the student have been separated with model student solutions in handwritten font and teacher talk in separate dialogue boxes to the right side of the student solution. All of the examples and linked exercises have free, student-facing videos where an experienced AP reader guides the students through the question and solution.
- **Assist with Planning and Pacing.** There is a lot of content to cover in AP Statistics, so we worked hard to “trim the fat” whenever possible. For example, the discussions about transformations to achieve linearity, linear transformations of random variables, and chi-square tests for homogeneity have been reduced. We also removed some optional topics, such as normal probability plots. Finally, we placed the Check Your Understanding features strategically to identify the amount of content that fits in a 45–50 minute lesson.
- **Promote Active Learning.** Throughout *TPS 7e*, we continue to include classroom-tested activities that help introduce the content or deepen conceptual understanding. Many of these activities now feature the custom-made applets at www.stapplet.com. Furthermore, the experience first-formalize later lessons available at www.statsmedic.com continue to be closely aligned with *TPS*.
- **Promote Success on the AP Exam.** As the only textbook written *exclusively* for AP Statistics, our primary goal is to help students achieve success on the AP exam. Between Daren and Josh, the authors have nearly 50 years of experience at the AP Reading, serving primarily in leadership roles. Josh also spent 4 years on the Test Development Committee that writes the exam. New to the 7th edition are “For Investigation” exercises in every section to help prepare students for the exam’s Investigative Task and two additional types of AP Exam Tips: AP Exam Formula Sheet references and recommended AP Daily videos. Throughout the book, you will find continuing features that make exam preparation a clear priority: Free Response AP Problem, Yay! (FRAPPY!) activities at the end of each unit with



questions and scoring guidelines updated to match current (2021 and later) AP exam style and content, AP-level multiple choice questions at the end of every section, AP Statistics Practice Tests at the end of each unit/part, and Cumulative AP Practice Tests after Units 3, 5, 7, and 9.

- **Maintain the Best Teacher Support.** We are the only AP Statistics textbook to have a wrap-around annotated Teacher's Edition (TE). The TE for *TPS 7e* has even more Teaching Tips, AP exam common errors, and other just-in-time advice. As in previous editions, all of the alternate examples in the TE (one for each example in the student edition) are available in Word format for easy importing into class notes, power points, or assessments. The TE also includes multiple pacing guides, suggested assignments, and many other features that are helpful to both new and experienced teachers. Other resources include a solutions manual with fully worked out solutions, model quizzes and tests for each section and unit, a test bank with items tagged by learning target, professional development videos, and much more.
- **Expand Media Resources.** Our team of veteran AP readers has created hundreds of student-facing videos, one for each example, linked exercise, chapter review exercise, and Tech Corner. We also have an enhanced e-book, available in our brand-new Achieve digital platform. This platform also includes a completely revised and improved online homework system. The assessment platform now includes all Check Your Understanding questions—perfect for reading checks or exit tickets. Pre-built homework assignments are now broken up by day instead of by section and are perfectly aligned to the pacing guide provided in the TE. Questions are in a variety of formats, and each includes specific, easy-to-understand feedback and guidance for students.
- **Refresh Contexts in Examples and Exercises.** We purposely chose contexts for the examples and exercises to pique student's interest. Over 30% of the contexts in *TPS 7e* are new and another 30% are updated from Updated *TPS 6e*.

Please let us know if you have any questions or need any other resources - or would like a copy of *TPS 7e*. Please email your local rep or hsmarketing@bfwpub.com.