

Sapling Plus

SaplingPlus for *The Practice of Statistics*, Sixth Edition provides students with a learning experience replete with text-specific resources and questions and powerful homework that teaches through meaningful hints, targeted feedback, and detailed solutions.

HOW CAN SAPLING PLUS ADVANCE YOUR CLASSROOM?

Homework Assignments and Challenge Homework

Online Homework Assignments are multiple-choice questions taken from the in-text exercises.

- Designed to be auto-graded and save you time.
- One pre-built homework assignment available per Section.

Homework Challenge Assignments are pre-built assignments that aim to **reinforce the lesson concepts**.

- Includes several question types including multiple-choice, drag and drop, multiple select, numerical entry, and more!

Real-time Automatic Grading

Sapling Learning provides automatic grading, allowing you to get an accurate picture of student results by quickly glancing at the stats page. More than your typical gradebook, there's a heat map format that provides deeper insight on student abilities.



Worked Example Videos and Worked Exercise Videos

Examples and exercises marked with the **play icon** are supported by videos in which an experienced statistics teacher walks students through each step in the example and solution, giving students extra help when they need it.

Statistical Applets

Use the **applets** to perform simulations and generate graphs and summary statistics.

Professional Development Videos

Professional Development videos offer helpful advice and guidelines for teachers as they prepare to teach.



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Alternate Examples and Activity Overviews

Teacher's Edition includes:

- **Alternate examples** can be used in class as the basis for a quiz or test item, or as additional practice for your students.
- **Activity overview videos** provide teaching advice, answers, and a list of materials for each activity.

FRAPPY! and Chapter Projects


- **FRAPPY!** - the **Free Response AP® Problem, Yay!** - questions prepare students to answer free-response questions successfully.
- **Chapter Projects** conclude Chapters 1, 3, 4, 10, and 12
 - **Chapters Projects 1, 3, and 10** help students think like statisticians by analyzing larger data sets with multiple interest variables.
 - **Chapters Projects 4 and 12** contain longer-term projects that require students to engage in the statistical problem-solving process.

Activity: Mean as a "balance Point"

1. Stack all 5 pennies above the 6-inch mark on your ruler. Place your pencil under the ruler to make a "seesaw" on a desk or table. Move the pencil until the ruler balances. What is the relationship between the location of the pencil and the mean of the five data values: 6, 6, 6, 6, 6?

The mean and location of the penny are the same.

2. Move one penny off the stack to the 8-inch mark on your ruler. Now move one other penny so that the ruler balances again without moving the pencil. Where did you put the other penny? 4. What is the mean of the five data values represented by the pennies now? 6



balance point

data

0 2 4 6 8 10 12

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Starnes/Tabor, The Practice of Statistics

Chapter 1 FRAPPY!

Directions: Show all your work. Indicate clearly the methods you use, because you will be scored on the correctness of your methods as well as on the accuracy and completeness of your results and explanations.

Using data from the 2000 census, a random sample of 348 U.S. residents aged 18 and older was selected. Among the variables recorded were gender (male or female), housing status (rent or own), and marital status (married or not married).

The two-way table below summarizes the relationship between gender and housing status.

	Male	Female	Total
Own	132	122	254
Rent	50	44	94
Total	182	166	348

(a) What percentage of the males in the sample own their home?

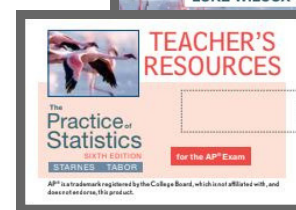
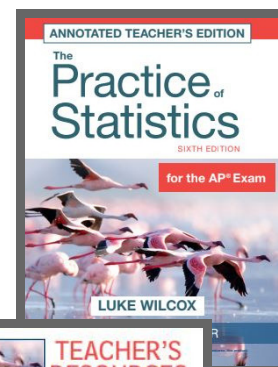
The Practice of Statistics, Sixth Edition Resources and Ancillaries

Student Resources

- Online Homework Assignments
- Worked Example Videos
- Worked Exercise Videos
- Chapter Review Exercise Videos
- TI-83/84 Technology Corner Videos
- TI-Nspire Technology Corners and Videos
- TI-89 Technology Corners and Videos
- HP Prime Technology Corners
- Statistical Applets
- FRAPPY! Student Samples
- Data Sets

Teacher Resources

- **Annotated Teacher's Edition**
- **ExamView® Assessment Suite**
- **Teacher Resource Flash Drive**
- Professional Development Videos
- Alternate Examples
- Teacher Resource Materials
- Prepared Tests and Quizzes
- Lecture Presentation Slides
- Activity Overview Videos
- FRAPPY! Resources
- Complete Worked Solutions
- Free-Response Question Index (by topic and chapter)



Sign up for a demonstration at
<https://meetme.so/highschool>