

**From Data to Decision** is a capstone problem that requires critical thinking and writing. **Cooperative Group Activities** encourage active learning in groups.

### Other features:

**Real Data Sets** Appendix B contains printed versions of 23 large data sets referenced throughout the book, including 10 that are new. These data sets are also available on the companion Web site (<http://www.pearsonhighered.com/triola>), the CD-ROM bound in the back of new copies of the book, and MyStatLab.

**Margin Essays** Of 117 margin essays, 20% are new and several others have been updated. New topics include *Statistics for Online Dating*, *DNA Evidence Misused*, *Bar Code*, and *How Many People Do You Know?*

**Flowcharts** The text includes 17 flowcharts that simplify and clarify more complex concepts and procedures. Animated versions of the text's flowcharts are available within MyStatLab and MathXL.



**Top 20 Topics** The most important topics in any introductory statistics course are identified in the text with an icon. Students using MyStatLab have access to additional resources for learning these topics with definitions, animations, and video lessons.

**Quick-Reference Endpapers** Tables A-2 and A-3 (the normal and  $t$  distributions) are reproduced on the rear inside cover pages.

**Detachable Formula and Table Card** This insert, organized by chapter, gives students a quick reference for studying, or for use when taking tests (if allowed by the instructor). It also includes the most commonly used tables.

**CD-ROM** The CD-ROM was prepared by Mario F. Triola and is bound into the back of every new copy of the book. It contains the data sets from Appendix B available as txt files, Minitab worksheets, SPSS files, SAS files, JMP files, Excel workbooks, and a TI-83/84 Plus application. The CD also includes sections on *Probabilities Through Simulations* and *Bayes' Theorem*, an index of applications, a symbols table, programs for the TI-83/84 Plus graphing calculator, and instructions for obtaining STATDISK Statistical Software (Version 12).

### Technology

*New:* This edition now includes instructions and displays from the StatCrunch technology, and XLSTAT is now used in Excel screenshots.

As in the preceding edition, there are many displays of screens from technology throughout the book, and some exercises are based on displayed results from technology. Where appropriate, sections end with a *Using Technology* subsection that includes instruction for STATDISK, Minitab\*, Excel\*, StatCrunch, or a TI-83/84 Plus\* calculator. (Throughout this text, "TI-83/84 Plus" is used to identify a TI-83 Plus, TI-84 Plus, or TI-Nspire calculator with the TI-84 Plus keypad installed.) The end-of-chapter features include a *Technology Project*.

The STATDISK (Version 12) statistical software package is designed specifically for this textbook. STATDISK is free to users of this book and instructions for downloading it are included on the CD-ROM.