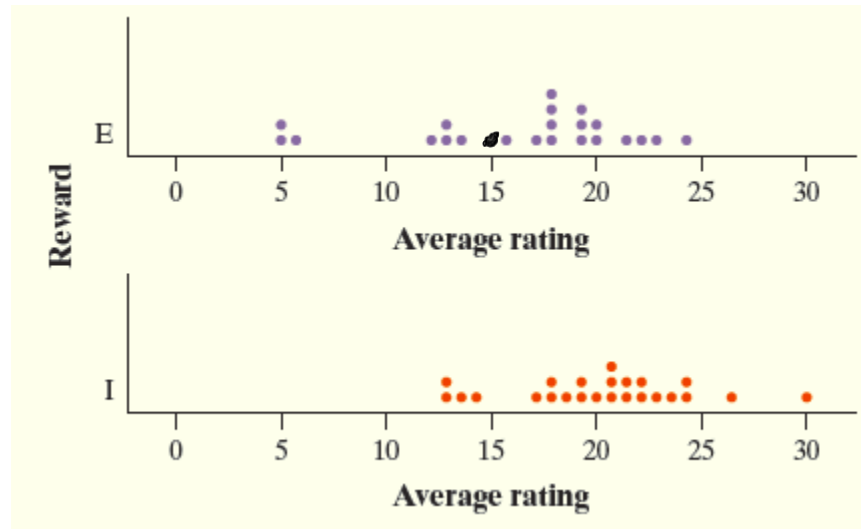


TPS 5e Student Edition Errata Page
(Updated April 25, 2017)

Chapter 1:

Page 22: In 20(b), delete “(in percents)” as we ask for percents at the end of the sentence.

Page 42, Exercise 43: The top dotplot is missing a dot above 15. See below.



Page 43: In Exercise 50, after first table: Change wording: “On the same day, the points scored by teams in Division V-AA were”

Page 62: In the box entitled “How to find the standard deviation”, Step 2 should read:
2. Average the **squared** distances by dividing their sum by $n - 1$.

Page 77: In Exercise R1.5, the word **Facebook** should be in bold in the exercise title.

Page 78: In Exercise R1.10, the word **Mercury** should be in bold in the exercise title.

Chapter 2:

Page 138, introductory paragraph before Exercises T2.9 and T2.10: Change to “In 2013, the mean was 515...”

Page 138, Exercise T2.7: Change to “If the heights of a population of men follow a Normal distribution, and the middle 99.7% have heights...”

Chapter 3:

Page 181: In the Minitab output in Figure 3.16, the number "0.16292" should be negative: "-0.16292".

Page 193, Exercise 40(c): Change to "Use the regression line to predict the average amount of natural gas Joan will use per day in a month..."

Page 193, Exercise 46: In the second sentence, change to "During March, ... and Joan used an average of 490 cubic feet of gas per day."

Chapter 4:

Page 229, Exercise 7 stem: The percentage for 15,182 should be 51, not 50: "In all, 13,147 (44%) said "Yes," 15,182 (51%) said "No," and..."

Page 231, Exercise 18 stem: last word should be "infested", not "infected".

Page 233, Exercise 40 stem: last word should be "state", not "district".

Cumulative AP Practice Test 1:

Page 283, Exercise AP1.9: In II., add the word "total" before "amount of dishwasher powder".

Chapter 6:

Page 384, Exercise 52: Change "total winnings" to "combined winnings" in 5th sentence.

Page 386, in the introductory paragraph for Exercises 65 and 66: *T* should be in italics in the last sentence.

Chapter 9:

Page 572, Exercise 48(a): Change wording to "...who would identify being very well-off..."

Chapter 10:

Page 663, Chapter Review

A confidence interval for a difference between two means provides an interval of plausible values for the true difference in means. The formula is <the formula shown is incorrect underneath the radical. The second *s* should have a 2 subscript.>

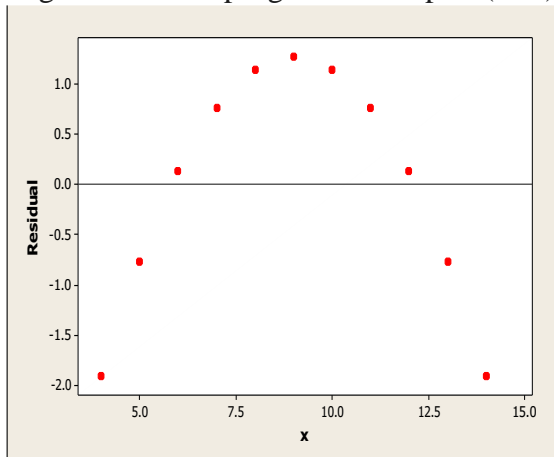
$$\left(\bar{x}_1 - \bar{x}_2 \right) \pm t^* \sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}$$

Chapter 11:

Page 735, AP Practice Test T11.9: Delete "in the study" from the end of answer choice (d).

Chapter 12:

Page 744: The top right residual plot (Bad) should be



Page 809, Cumulative AP Practice Test 4, Exercise AP4.42(b) should read “Assuming the conditions for performing inference are met, ... in part (a).”

Solutions:

Page S-21: In Exercise 5.3(b), the solution should say: No. The number of children with cystic fibrosis could be smaller or larger than 1 by random chance.

Page S-29: In exercise T6.11(c), the interpretation should say: If we were to randomly select many cartons of eggs, the number of broken eggs would typically vary by about 0.8219 from the mean (0.38).

Page S-32: In exercise 7.49, the solution should be 225.

Page S-35, CYU p.499 #4: "from 0.218 and 0.238" should be "from 0.218 to 0.238".

Page S-36, CYU p.522: In last sentence, "healing time" should be "healing rate".

Page S-53, T11.13: delete the initial "(a)" (item has only one part).

Web Chapters

Chapter 13:

Page 28, Exercise 23: In the first row of the table, the sample size for Cold temperature should be 16, not 18 as shown below.

Temperature	<i>n</i>	Weight (grams) at Hatching	Propensity to Strike
Cold	18	28.89 ± 8.08	6.40 ± 5.67
Neutral	38	32.93 ± 5.61	5.82 ± 4.24
Hot	75	32.27 ± 4.10	4.30 ± 2.70

Chapter 14:

Page 19 Screen shot error: Change T to F as shown below.

Session

Regression Analysis: Mass versus Humidity, Exposed

The regression equation is
Mass = 18.1 - 5.41 Humidity + 0.848 Exposed

Predictor	Coef	SE Coef	T	P
Constant	18.0848	0.6592	27.43	0.000
Humidity	-5.411	1.377	-3.93	0.000
Exposed	0.8484	0.3587	2.37	0.024

S = 1.01583 R-Sq = 47.7% R-Sq(adj) = 44.6%

Analysis of Variance

Source	DF	SS	MS	T	P
Regression	2	32.008	16.004	15.51	0.000
Residual Error	34	35.085	1.032		
Total	36	67.092			