

Revisions for “The Complete Idiot’s Guide to Statistics”, Second Edition

Page 51:

- The number 121.4 should be 12.4 in the equation for the weighted average.

Page 69:

- The heading for the fourth column should read $(x_i - \bar{x})$ rather than $(x_i - \bar{x})^2$.

Page 75:

- The last number in the data set should be 75 rather than 73.
- The last 4 equations on the page should read:

$$Q_3 = \frac{52 + 58}{2} = 55$$

$$IRQ = Q_3 - Q_1 = 55 - 43.5 = 11.5$$

Any values greater than

$$Q_3 + 1.5IRQ = 55 + (1.5)(11.5) = 72.25$$

or less than

$$Q_1 - 1.5IRQ = 43.5 - (1.5)(11.5) = 26.25$$

Page 77:

- For Question 6, the sentence “Assume this is a sample from the population.” should be added at the end.

Page 91:

- In Question 4 for “Your Turn”, the last word in Part a should read “crisis” rather than “noncrisis”.

Page 149:

- In the first paragraph, $\mu = 1$ should be replaced with $\mu = 0$.

Page 159:

- The area in the shaded region for Figure 11.16 should read 0.9066 rather than 0.7852.

Page 162:

- In the “Least You Need to Know” section, $\mu = 1$ should be replaced with $\mu = 0$.

Page 241:

- The last sentence in the first paragraph should read “Therefore, we do not have enough evidence to conclude that the average speed is not 65 miles per hour.”

Page 243:

- The hypothesis at the top of the page should read

$$H_0 : p \leq 0.30$$

$$H_1 : p > 0.30$$

Page 245:

- The calculated z-score in the last paragraph should be -0.96 rather than -0.86.
- The calculated z-score shown in Figure 16.14 should be -0.96 rather than -0.86.

Page 246:

- The calculated z-scores shown in Figure 16.15 should be +0.96 and -0.96 rather than + 0.86 and -0.86.
- The two equations under Figure 16.15 should read

$$P[z \leq -0.96] = 1 - P[z \leq +0.96]$$

$$P[z \leq -0.96] = 1 - 0.8315 = 0.1685$$