Corrections (8/2016)

A Practical Approach to Analyzing Healthcare Data, Third Edition

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- Example 4.11, page 80

  Step 4 in the example should be:

  4. Compare the test statistic to a critical value based on alpha and the distribution of the test statistic

$$p = \frac{0.0250\ x\ 360 + 0.0102\ x\ 197}{360 + 197} = \frac{11}{557} = 0.0197\ or\ 1.97\%$$

$$Z = \frac{0.0250 - 0.0102}{\sqrt{0.0197\ x\ (1 - 0.0197) x \left[\frac{1}{360} + \frac{1}{197}\right]}} = \frac{0.0148}{\sqrt{0.0194\ x 0.008}} = 1.188$$

  Note: the denominators should be 360 and 197 (as shown above) and not 360,972 and 197,734 as printed in text.

- Example 5.7, page 93—94

  The test statistic in step 3 should be -2.64, not 2.64.In step 5, the second sentence should read, "The value of the test statistic is -2.64, which is less than -2.030," but we can still conclude that the null hypothesis should be rejected as stated.

- Example 6.3, page 118

  The headings on the last column of the calculation table should be: (X-$\bar{X}$)- (Y-$\bar{Y}$).

  Note the exponent (squared) should not be in that formula. The values in the table are correct.