Understanding Statistics in the Behavioural Sciences (Robert R. Pagano), 10th Edition
Corrections to the Text

This document provides corrections to a few errors/typos in the textbook that your classmates and instructors have noticed in the past couple of years.

Under each page number listed below, an excerpt from the text is given.
Bold text indicates a replacement/correction of the original text.
Text in *italics* provides additional information.

Page 126
The equation Y = 0.40X + 500 describes the relationship between the Y variable (salary) and the X variable (merchandise sold). It tells us that **X** increases by 1 unit for every 0.40 increase in **Y**.

Page 166
$\overline{Y} - b_y\overline{X} = 67.3125 - 0.6636(38.625) = \mathbf{41.681}$
The original text contains a negative sign instead of the first equals sign, and the final answer has an incorrectly rounded answer.

Page 202
p(A **and** B) = p(A)p(B)

Page 231
p(2 heads)= $3P^2Q = 3(.50)^2$**(.50)**=0.3750

Page 252
For example, for the alternative hypothesis "marijuana increases appetite," the null hypothesis asserts that "marijuana either has no effect on appetite, or it **decreases** appetite."

Page 350
15. *The answer key is based on a sample size of 20, not 25. In order to get the correct answer from the back of the book, use a sample size of 20 in your calculations.*

Page 350
18. b. Assume the population **standard deviation** is unknown and reanalyze the data using the same alpha level. What is your conclusion this time?

Page 574
(Answer to practice problems for Chapter 4)
27a. $s^2 = 4.14$

Page 581
(Answer to practice problems for Chapter 12)
22. Since $|z_{obt}| > 1.645$, reject H_0.

Page 584
(Answer to practice problems for Chapter 15)
23a. Between groups $SS = 135.5$, $MS = 67.75$
Within groups $SS = 74.5$, $MS = 8.28$
$F_{obt} = 8.18$

Version: Jan 27, 2018