

Textbook Errata

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Errata for the textbook “Statistical Theory for Data Analysis: an Introduction” will be posted here as they are received.

Please email Katherine at kbrum@wharton.upenn.edu if you believe there is an error in the book and it will be added.

- p. 230 Solution to problem 3.7c) The probabilities subbed into the denominators of the conditional probability formulas were accidentally flipped. Here is a corrected version:

$$\text{Prob}(L|O) = \frac{\text{Prob}(L \cap O)}{\text{Prob}(O)} = \frac{0.26}{0.6} = \frac{13}{30}. \text{ Prob}(O|L) = \frac{\text{Prob}(L \cap O)}{\text{Prob}(L)} = \frac{0.26}{0.3} = \frac{13}{15}.$$

Since $\text{Prob}(L|O) \neq \text{Prob}(L)$ (and similarly $\text{Prob}(O|L) \neq \text{Prob}(O)$), the two events are not independent.