Chapter 3

Pg 63 “What are the probabilities associated with flipping a coin twice? Figure 3.2(A) …”SHOULD BE **3.3(A)**

Pg 68 “Figure 3.5 shows a possible probability distribution…” Figure 3.5 is actually a reprint of figure 3.1. The figure called for is not to be found in the text. The file **ball_gaussian.ipe.pdf** should have been used.

Pg 74 In the second line of equations, the term **/(2σ²)** should not be part of the super-superscript

Pg 75 The initial description of the drunken sailor talks about taking steps in a random direction to the left or right. The subsequent description refers to backwards and forwards. **Change all references in this section to left and right to backwards and forwards.**

Pg 78 “The first term of equation (3.57) is …” SHOULD BE equation (3.56)
(Move the \label to the very beginning of the eqnarray or else LaTeX makes a mistake)

~~Pg 79 “… the standard deviation of a drunken walker from his starting point after N steps is σ sqrt(N)” SHOULD BE σ/sqrt(N)~~ The text is correct as is.

Pg 80 – 81 This is not a typo, and maybe it won’t confuse students but it seems to me that the weights of different tomatoes on the same plant are not independent. I would suggest that tomatoes should either be nested within maternal plant for the analysis or the average weight per plant should be analyzed. Otherwise the analysis commits the sin of pseudo-replication, which increases the type 1 error rate, and overestimates power.

You have 5 plants containing 15 tomatoes grown with EZGrow and 5 plants containing 13 tomatoes without.

Replace by

You have 15 plants grown with EZGrow from each of which you randomly choose one tomato and 13 plants grown without EZGrow from which you also randomly take one.

Pg 85. “…95% of the time X(bar) will lie between $\mu - \Delta X$ and $\mu + \Delta z$,…” SHOULD BE $\mu + \Delta X$