Updates

Introduction to Computational Science:
Modeling and Simulation for the Sciences, Second Edition
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We appreciate suggestions made by our readers.

p. 87, Module 3.2, last sentence in Exercise 5
This sentence should read, “The system should model two situations, length > unweighted_length and length ≤ unweighted_length.”

Courtesy of Naiyf S. Alsaud

p. 117, Module 4.1, “Answers to Quick Review Questions,” 2
“B. BTS, because a larger portion of the white tip sharks are dying”

p. 165, Module 4.5, reaction
The reaction should be labeled with (1) as the text refers to “Reaction 1.”

Courtesy of Naiyf S. Alsaud

p. 171, Module 4.5, sentence after Quick Review Question 6
p. 172, Module 4.5, first and last sentences in “Modeling Inhibition”
The letter “a” is missing from “Michaelis-Menten.”

Courtesy of Naiyf S. Alsaud

p. 183, Module 5.2, last line of “Modeling Errors”
Change “is” to “his.”

Courtesy of Naiyf S. Alsaud

p. 189, Module 5.2, next-to-last line of second paragraph
Change “3.71/1.54” to “3.71/9.75.”

Courtesy of Naiyf S. Alsaud

p. 213, Module 6.3,
Change “((slope of tan at P(8))” to “(slope of tan at P(8))”

Courtesy of Naiyf S. Alsaud
p. 216, Module 6.3, “Error” section, third line
Change “(180 – P(8)) / P(8)” to “180 – P(8) / P(8)”

Courtesy of Naiyf S. Alsaud

p. 235, Module 7.1, Part d, third paragraph, equation
Change b after the minus to e: “Verify that \( B = \frac{aA_0}{b-a} \left( e^{-at} - e^{-be} \right) \)”

p. 727, Module 17.7, Project 1 a
Change “probHIV = 0.05” to “probHIV = 0.0055”

Courtesy of Tarun Sharma

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