

Errata in first printing of  
Discovering Computer Science:  
Interdisciplinary Problems, Principles, and Python Programming

- Page headers should include chapter and section numbers.
- p. 63, line -1: “function” should be plural
- p. 65, after first epigraph: make “Lecture” lower case in “Turing Award Lecture”
- p. 95, line 3: missing “so” before “let’s”
- p. 95, line -9: replace “of the functions from which we” with “of other functions that”
- p. 101, Exercise 3.5.3: insert “each worth” in the parentheses before “7 points”, “3 points”, and “2 points”
- p. 120, 6 lines after the code snippet at the top: delete the extra “the”
- p. 142, Reflection 4.19: insert “we” between “do” and “figure”
- p. 164: replace the definition of  $X(k)$  with

$$X(k) = \frac{1}{2} \left( X(k-1) + \frac{n}{X(k-1)} \right).$$

and insert “The initial condition is  $X(0) = 1.$ ” as the second sentence after the equation.

- p. 206, line 5: remove “histogram” that is not in italics
- p. 310, Exercise 6.7.8, first line: replace “is a repeat of” with “is multiple contiguous copies of”
- p. 319, Question 6.2.2: replace “10,000” with “5,000”
- p. 330, Figure 7.4 caption: delete “scatter”
- p. 545, line 4 of the code snippet: insert “sorted” between “keys: a” and “list”
- p. 550: line 4 of the code snippet: insert “sorted” between “keys: a” and “list”
- p. 685, Part 4, line 3: insert “an” between “On the book web site is” and “almost-complete”
- p. 685: second to last sentence: replace with “The mouse click triggers a call to a function named `clickMap`. The `clickMap` function draws a red dot where the click occurred, calls the `closestDistance` method of the `Track` class to find the Muni route that is closest to the click, and finally calls the `draw` method to draw the route on the map along with the times that the `Track` passed the click position.”