Errata: Intro to Python for Computer Science and Data Science

First Printing Errata

Chapter 1
- Page 1, second to last objectives bullet: "Study" should be "Read"
- Page 20, Section 1.9 last bullet: "most widely data-science languages" should be "most widely used data-science languages"
- Page 21, Section 1.10 heading: "Test-Drive" should be "Test-Drives"

Chapter 2
- Page 69, under the heading, **Determining the Range of a Collection of Values**, delete the last sentence, "In later data science sections, we'll look at common data distributions."

Chapter 4
- Page 128-129: Figure 4.2's caption should be, "Simulating the dice game Craps."
- Page 147, **Functional-style programming topics** table: Both mentions of 18 should be 17.
- Page 151, first paragraph: "a detailed treatment" should be "additional detail"
- Page 151, exercise 4.5 title: Remove the ?

Chapter 5
- Page 155, 6th Objectives bullet: "and the functional-style programming operations" should be "and the operations"
- Page 159, in the paragraph below snippet 27: "difference" should be "different"
- Page 175, Snippet 12, `search_key` should be key.
- Page 186, Snippet numbers 7-11 should be 8-12, and under the heading **Combining Iterables into Tuples of Corresponding Elements**, "snippet [11]" should say "snippet [12]."
- Page 186, Snippet 8
  ```
  reversed_numbers = [item for item in reversed(numbers)]
  ```
  should be
  ```
  reversed_numbers = [item ** 2 for item in reversed(numbers)]
  ```

Chapter 6
- Page 215, snippet [12]'s output should be
  ```
  December  February  January  March
  ```
-
- Page 217, Fig. 6.1 caption should be "Using a dictionary to represent an instructor's grade book."

- Page 218, Fig. 6.2 caption should be "Tokenizing a string and counting unique words."

Chapter 7

- Page 263, under the heading **Accessing a Series' Elements**: "by via" should be "via"
- Page 270, snippets [23] and [24] should say `grades.iat[1, 1]`

Chapter 8

- Page 286, Section 8.2.2, "right0-aligns" should be "right-aligns".

Chapter 9

- Page 335, Self Check #3: In both exercise description's code and in snippet [1]'s code
    ```
    print(f'int({value}) is {int(value)}')
    ```
  should be
    ```
    print(f'int({value}) is {x}')
    ```
- Page 338-9, Self Check #3: In both exercise description's code and in snippet [1]'s code
    ```
    print(f'int({value}) is {int(value)}')
    ```
  should be
    ```
    print(f'int({value}) is {x}')
    ```
- Page 346, the snippet number 9 should be 5.
- Page 347-8, the snippet numbers 5 through 11 should be 6 through 12.

Chapter 10

- Page 398, 4th bullet: "StandardErrors" should say "Exceptions."
- Page 412, First line under the heading **Built-In Namespace**: In "The built-in namespace contains associates identifiers" delete "contains."
- Page 421-422: The table heading, "Sources time-series dataset" should say, "Time-series dataset sources"
- Page 421 footnote 25: "with a more" should be "with more"

Chapter 12

- Page 510, Section 12.9, 3rd bullet: "UCIs" should be "UCI's"

Chapter 13

- Page 517, last line of the paragraph under the heading "Twitter and Big Data": "portions the all-time" should be "portions of the all-time"
- Page 525, footnote 7: "any attribute we use" should say "any attributes we use"

Chapter 14

- This is not errata, however, if you're using macOS you can eliminate the warning, "Couldn't find ffplay or avplay" by executing the following command to reinstall the ffmpeg libraries:
    ```
    brew reinstall ffmpeg --with-sdl2
    ```

For details see: https://github.com/HackerShackOfficial/AI-Smart-Mirror/issues/41

Chapter 15

- Page 630, in the line above snippet 16: "two time" should say "two times"

Chapter 16

- Page 666, first line under "Keras and TensorFlow": "Scikit-learn" should be "scikit-learn"
- Page 667, 4 lines above footnote 5: "Scikit-learn" should be "scikit-learn"
- Page 692, second line under "Evaluating the Model": "model's model's" should be "model's"

Chapter 17

- Page 730, second to last line under "Creating the books Database": "books.sql" should be in computer font.
- Page 756, second line: "Google publishes its designs" should be "Google published its designs"
- Page 776, Self Check exercise 2: "Spark uses a" should be "Spark uses a(n)"
- Page 798, last line: "in your career" should say "pursue your career"