Errata for
Python Programming and Visualization for Scientists - 2nd Edition
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This page documents known errors. To reduce the potential for confusion, instructors assigning this book are encouraged to distribute this page to their students. An up-to-date copy can be found on the 'Resources' page of this book at *www.sundogpublishing.com*

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p. 27: In the second shaded box the `zip()` functions should be arguments to the `list()` function, as is correctly done in the first shaded box.

p. 34: In the shaded box at the bottom of the page there should only be a single backslash in front of the newline character when defining the raw string.

p. 41: Midway down in the text the `sys.getdefaultencoding()` function is incorrectly listed as `sys.defaultencoding()`.

p. 43: In Sec. 4.1.2 it is incorrectly stated that truncating division returns the nearest whole number. It actually returns the nearest integer that is closest to zero (it essentially drops any of the decimal values).

p. 74: In the third-from-last and second-from-last lines in the code example the variable `in` should be `inches`.

p. 157: In the last sentence of the fourth paragraph `size=(w, h)` should instead be `figsize=(w, h)`.

p. 179: In the code example there should be an additional keyword `shading='auto'` within the call to `pcolormesh()`. This keyword must be used if the optional position arrays x and y have the same dimensions as the data array z.

p. 183: In Sec. 12.4.1 the text prior to the code example should have `cs = plt.contourf(z)` and `cb = plt.colorbar(cs)`.

p. 185: In the code example there are three places where text appears between the characters `!|` and `|!`. These characters were not meant to appear in the text, and those portions of text were meant to appear as bold and underlined.

p. 186: In the code example there is one place where text appears between the characters `!|` and `|!`. These characters were not meant to appear in the text, and those portions of text were meant to appear as bold and underlined.

p. 196: In the last sentence `ax.contourf()` should read `ax.contour()`

p. 197: In the third bullet `Figure.save_fig()` should be `Figure.savefig()`

p. 204: In the first sentence `zet_zlabel()` should read `set_zlabel()`

p. 205: The keyword `linewidth` in the `ax.contour()` should be plural `linewidths`.

p. 216: In description of the dateparser module the correct name of the function is `parse`.

p. 219: We neglected to mention that Pandas is usually imported and aliased as pd, using
`import pandas as pd`

p. 233: In the second code example the first line should read
`> temps['Means'] = mean_temps`

p. 235: Under the section **Reading from CSV** the data file being read is 'Monthly-temps.csv', not 'highs.csv'.

p. 237: In fifth line the word 'and' should be replaced with 'or'.

p. 237: Near the bottom of the page the keyword `index_column` should be `index_col`

p. 251: Before the bottom code example, the data attributes are named `attrs`, not `attr`

p. 260: In the section **Any non-newline character** the code output should include the \r and \t characters.

p. 297: In the third line replace 'ordinate' with 'abscissa'.

p. 298: In the fourth line following the code example replace 'ordinate' with 'abscissa'.

p. 299: In the first code example in Sec. 21.5 there is a missing comma after `"a random string"`.

p. 307: In the first line replace -1000 with 0.