*Deep Learning Illustrated* Errata

*Most recently updated by* [*Jon Krohn*](https://www.jonkrohn.com/) *on Apr 16, 2020*

“To err and err and err again, but less and less and less.” ~ Piet Hien

## Chapter 2

* Page 30: The bit.ly/word2viz link is broken. Please use [jonkrohn.com/word2viz](http://jonkrohn.com/word2viz) instead.

## Chapter 5

* Page 83: The section title “Training a Deep Learning Model” should be “Training a Neural Network Model”

## Chapter 7

* Figure 7.1: There’s a directed edge (an arrow) missing between the neuron labeled *x2* and the neuron labeled *a2*
* Figure 7.2: Ditto
* Figure 7.3: Ditto
* Figure 7.4: Ditto. In addition, there’s another directed edge missing between the neurons *a4* and *y3*

## Chapter 9

* Page 138: The first sentence in the Batch Normalization section should read: “During neural network training, the distribution of parameters in a given layer may gradually move around…”
* Footnote 16 should read: “This circumstance can be annotated as *p >> n*, indicating the *p*arameter count is much greater than the *n*umber of samples.”
* Page 147: Instead of “we’re”, it should read “we’ve reached a momentous milestone”
* Page 152: The command in step 2 for running TensorBoard should be tensorboard --logdir==`logs` --port 6006 (as opposed to the --logdir argument being set to the overly-specific `logs/deep-net`)

## Chapter 10

* Page 167: “spacial context” should be “spatial context”
* Figure 10.10: On the right-hand side of the figure, the conv blocks should appear above the pooling block.
* Figure 10.12: Along the bottom of the figure, the lowest block in the sixth column should be black not red, as with all of the other skip connections in that part of the figure.
* Footnote 33: Apologies to Ross Girshick, his surname does not have an “n” in it.
* Footnote 36: Ditto

## Chapter 11

* Figure 11.25: An occurrence of the word “output” is misspelt “ouput”
* Example 11.40: Programmatically it makes no difference, but for consistency with Figure 11.27, it might be more straightforward if k\_conv\_1 were set to 2 and k\_conv\_2 were set to 3 instead of the other way around.

## Chapter 13

* Page 286: Add “sonar” to the list of autonomous vehicle sensors, e.g., “cameras, radar, sonar, lidar”
* Footnote 2 should read: “Same principle as sonar but uses lasers intead of sound.” (Thanks to Austen Groener, an AI Research Scientist at Lockheed Martin Space, for pointing this one out.)

## Appendix B

* There’s an error in the partial derivative notation for backpropagation. See [this issue in GitHub](https://github.com/the-deep-learners/deep-learning-illustrated/issues/6).