

# Deep Learning Workshop Additional References

with

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# More in-depth courses

- <https://www.datacamp.com/courses/deep-learning-in-python>
- <https://classroom.udacity.com/courses/ud730> - Udacity free course on Deep Learning
- <https://developers.google.com/machine-learning/crash-course/ml-intro>
- [https://colab.research.google.com/github/GoogleCloudPlatform/training-data-analyst/blob/master/courses/fast-and-lean-data-science/01\\_MNIST\\_TPU\\_Keras.ipynb#scrollTo=iAZAn7ylhqAS](https://colab.research.google.com/github/GoogleCloudPlatform/training-data-analyst/blob/master/courses/fast-and-lean-data-science/01_MNIST_TPU_Keras.ipynb#scrollTo=iAZAn7ylhqAS)

# More in-depth courses

- <https://codelabs.developers.google.com/>
  - TensorFlow and deep learning, without a PhD  
<https://codelabs.developers.google.com/codelabs/cloud-tensorflow-mnist/index.html?index=..%2F..index#0>
  - Keras and modern convnets, on TPUs  
<https://codelabs.developers.google.com/codelabs/keras-flowers-tpu/index.html?index=..%2F..index#0>

# More in-depth courses

- A Beginner's Guide To Understanding CNNs - <https://adeshpande3.github.io/A-Beginner%27s-Guide-To-Understanding-Convolutional-Neural-Networks/>
- Time Series Forecasting with the Long Short-Term Memory Network in Python - <https://machinelearningmastery.com/time-series-forecasting-long-short-term-memory-network-python/>

# Tensorflow.js code and demos:

- Neural Playground: <https://opensource.google.com/projects/tensorflow-playground>
- PoseNet: <https://storage.googleapis.com/tfjs-models/demos/posenet/camera.html>
- <https://js.tensorflow.org/demos/> -- Andy to find one interesting demo
- <https://www.dlology.com/blog/top-10-deep-learning-experiences-run-on-your-browser/> - Danny to find one interesting demo
- Simple Neural Network using TensorFlow.js  
<https://codelabs.developers.google.com/codelabs/neural-tensorflow-js/index.html?index=..%2F..index#0>
- TensorFlow.js — Handwritten digit recognition with CNNs  
<https://codelabs.developers.google.com/codelabs/tfjs-training-classfication/index.html?index=..%2F..index#0>