References

**This course drew from the following resources:**

**W​eek 1:**

-​ [UCI Machine Learning Repository: Energy efficiency Data Set](https://archive.ics.uci.edu/ml/datasets/Energy+efficiency)

-​ [Learning a Similarity Metric Discriminatively, with Application to Face Verification](http://yann.lecun.com/exdb/publis/pdf/chopra-05.pdf) (Chopra, Hadsell, LeCun, 2005)

-​  [Similarity Learning with (or without) Convolutional Neural Network](http://slazebni.cs.illinois.edu/spring17/lec09_similarity.pdf) (Chatterjee & Luo, n.d.)

-​ [The Distance Between Two Vectors](http://mathonline.wikidot.com/the-distance-between-two-vectors) ([Mathonline](http://mathonline.wikidot.com/))

**W​eek 2:**

-​ [Huber Loss](https://en.wikipedia.org/wiki/Huber_loss) (Wikipedia)

-​ [Dimensionality Reduction by Learning an Invariant Mapping](http://yann.lecun.com/exdb/publis/pdf/hadsell-chopra-lecun-06.pdf) (Hadsell, Chopra, LeCun, 2005)

**W​eek 4:**

-​ Lecture on [Residual Networks](https://www.coursera.org/lecture/convolutional-neural-networks/resnets-HAhz9) by Andrew Ng (part of [Deep Learning Specialization](https://www.coursera.org/specializations/deep-learning), [Course 4: Convolutional Neural Networks](https://www.coursera.org/learn/convolutional-neural-networks))

**W​eek 5:**

-​ [TensorBoard: TensorFlow's visualization toolkit](https://www.tensorflow.org/tensorboard)