

Lab 8

COEN 140

Good Intro To Tensorflow notes/slides:

<https://web.stanford.edu/class/cs20si/2017/lectures/>

Code for Logistic Regression:

<https://www.geeksforgeeks.org/ml-logistic-regression-using-tensorflow/>

https://github.com/aymericdamien/TensorFlow-Examples/blob/master/examples/2_BasicModels/logistic_regression.py

My base code for a simple Neural Network:

<https://colab.research.google.com/drive/1vPMxK3BupxtCUpLyHbggfZ4TBfftBpXT>

Tasks:

- 1) Understand Tensorflow at a high level (tensors, data-flow graphs) and enough to manipulate existing code.
- 2) Change/add to the neural network architecture I provided above. Your goal is to increase the test accuracy as much as possible. Best 5 test scores (total from both sections) will get 5 bonus points.