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Professor Deitenbeck Winter 2019

9.5 Reflection: Week 9/10 Reflection

I’m very glad we have two weeks to get all of the tasks done for week 9/10, because the Neural Network Classifiers exercise is proving to be quite a challenge. Part 3 was relatively painless (the code in 20.15 from the “Cookbook” pretty much ran “right out of the box”). However, I am still struggling mightily to get Parts 1 and 2 working.

I believe my problem is that I can’t see the forest for the trees. Much of the example code in Chapter 12 of the “Applied Text Analysis with Python” textbook is involved in data transformation, leveraging the **PickledReviewsReader** class,which then has ripple effects throughout the rest of the code. The dataset we are tasked to use for the exercise does not appear to need this level of transformation. However, I’ve gotten so bogged down in this aspect of the sample code that I’ve made no forward progress applying the MLPClassifier, or the Keras classifier for Parts 1 and 2.

Last night I stumbled upon another approach that, on the surface, looks like it might be a better application for our exercise.

<https://datascienceplus.com/multi-class-text-classification-with-scikit-learn/>

I hope to get all the other week 9/10 “stuff” done tonight so I can focus on the NNC exercise for the rest of the week, using the tutorial at the link of above for guidance.