

CSc 447000, Fall 2022
Assignment 4
Due November 7, 2022, at midnight

Like the previous assignment, this assignment involves the entire Iris Dataset that includes 50 samples from each of the three species.

For the pair of features sepal length and sepal width, apply a neural network of your own design and using TensorFlow to predict the species of each sample. Compare your results to those you obtained last time for the Support Vector Machine with a linear kernel on the same data with the same features.

Discuss your results.

Please submit your work on Blackboard as an ipynb file. Please name your file as

LastName_FirstName_AS04.ipynb

You must discuss your answers and describe how you came up with them. Show your work. Just stating a correct answer won't get you more than half credit.

If you collaborate on this or any other assignment, you must have contributed substantially to anything you submit; just using a current (or past) classmate's work without having contributed substantially to it is not collaboration -- it's cheating.

If you collaborate with anyone you must indicate with whom you collaborated.