

Project 5

for NeuroComputing/Theoretical Neuroscience 2016

This final individual project is due on Monday, April 4 at noon by email to NeuroCompDal@gmail.com and should be presented in our last class on Tuesday April 5. The aim of this project is to write a small scientific modeling paper. An outline of some aspects of writing will be given in class and posted on the course wiki. The page limit is 6 pages that include all parts of the project report. Please don't hesitate to talk to me about the progress of your modeling experiments.

NESC 4177:

Similar to Part 3 of Project 2, take some data of your interest, but this time it has to be related to neuroscience such as EEG data or data from psychophysical experiments, and model them with a multilayer perceptron. Please talk to me about the data set and the progress in this project. The final project report is in form of a brief scientific paper as outlined in class.

CSCI 6508:

Implement some aspects of the model paper you reviewed in class and discuss your own numerical experiments. Try to extend the experiment in a novel way, and discuss your findings in a brief scientific paper as discussed in class.