11th exercises for SIM'2020

Ex. 1
Redo the example of asteroid spectral classification with artificial neural network, Sec. 10.4 in the lecture handout, in the computing environment of your choice. Should be possible to do, at least, in Python or Matlab, probably also in R.

a) Select a suitable ANN library for you, download and install.

b) Form and train a network for classifying the asteroid spectral data. Download training/testing data from the course homepage, files `S/C/X-type asteroid spectra`. The network structure can be the same as, or similar to the one in the lecture example.

c) Report the performance of the trained network.