

exercise1

December 22, 2022

1 Exercise 1 - Fitting a linear rule classifier to credit data

Use linear rule classifiers – the perceptron rule, AdaLine and AdaLine SGD – on the credit approval dataset (**/lecture1/CreditData**) provided on the ECON5130 GitHub repository , and compute their in-sample accuracy based on the decision rule obtained after fitting. Plot the 2-D decision regions using different tuples of features in the dataset. If required, standardise the features before fitting. Comment on the performance of the different linear classifiers.