MATH 567: Mathematical Techniques in Data Science Lab 6

Dominique Guillot

Departments of Mathematical Sciences University of Delaware

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The goal of the exercise today is to implement the one-vs-all approach to classification for logistic regression.

- Review the one-vs-all classification technique in the Week 5 slides.
- Construct a function one_vs_all_logistic = function(trainY, trainX, testX) that outputs the "one-vs-all" classifier for logistic regression.

Some useful functions to help you:

- yvals = unique(trainY) returns the unique values in trainY.
- What does the following command do?

train_Y_cpy = factor(ifelse(trainY == yvals[i], 1,0))