

Exercise 3

2) Features used are the same as in the example, i.e., R min, G min, B min, R avg, G avg, B avg.

For this small example, the GDA classifier performs even better than the SVM classifier from exercise 3 – just one sample is not classified correctly.

Prediction: 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 1, 1, 1,
1, 1

Ground truth: 0, 1, 1, 1, 1, 1, 1,
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1

Model output: 0, 1, 1, 1, 1, 1, 1,
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1

The model accuracy is: 98.33%