Assignment 4

Computational Intelligence, SS2020

Team Members		
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1 Linear SVM

1.1 Plots

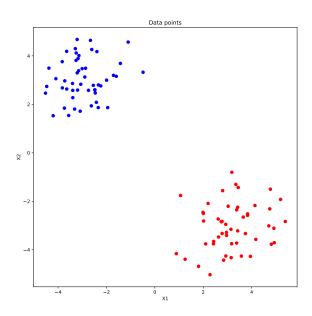


Figure 1: Dataset

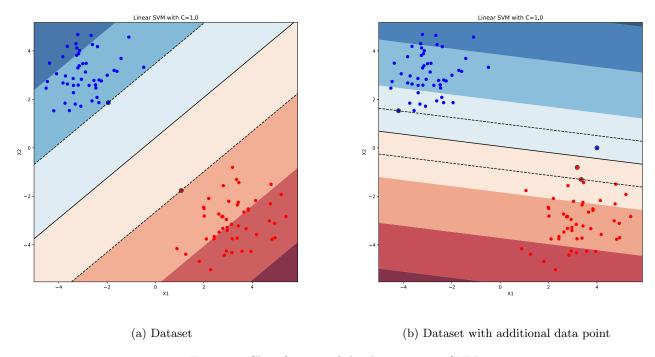


Figure 2: Classification of the dataset using SVM

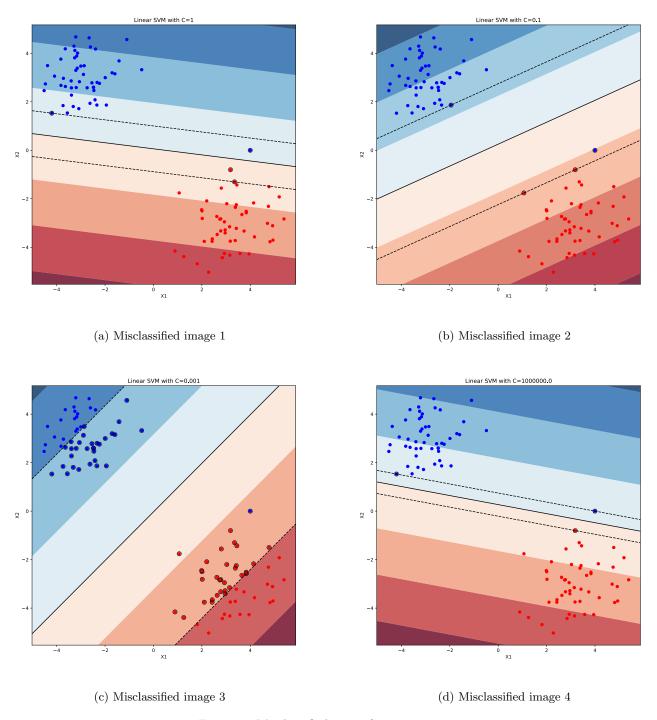


Figure 3: Misclassified items from our test set

- 1.2 How and why changed the decision boundary when the new point was added?
- 1.3 The inverse regularization parameter C
- 2 Nonlinear (kernel) SVM

2.1

2.2

2.3

2.4

2.5

2