

6.867 Machine Learning Homework 3

1 NEURAL NETWORKS

Stuff

1.1 Implementation

smaller.

1.2 Section 2

1.2.1 sub sub sub section

1.3 Install Latex

2 CONVOLUTIONAL NEURAL NETWORKS

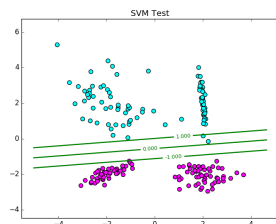
Stuff

2.1 Artist

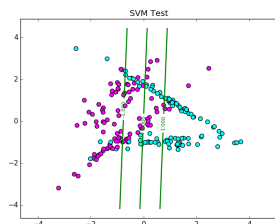
2.2 2D Dataset Results

Some table.

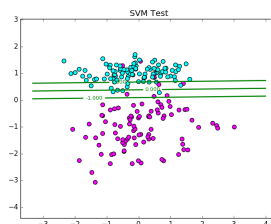
	Training Error	Validation Error	Test Error
Dataset 1	0	0	0
Dataset 2	0.1775	0.18	0.195
Dataset 3	0.02	0.03	0.045
Dataset 4	0.3	0.305	0.3



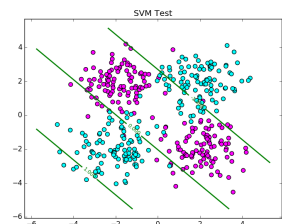
(a) Dataset 1, C=1



(b) Dataset 2, C=1



(c) Dataset 3, C=1



(d) Dataset 4, C=1

Figure 1: Linear SVM performance of different datasets. Datasets 1 and 3 are relatively linearly separable so this SVM performs well on them. Dataset 2 and 4 are definitely not linearly separable so this SVM is not the right model for the data.

2.3 Section