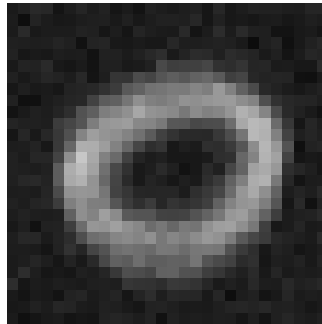# HW3: Problem 2
Ian Dover

1   Part 1

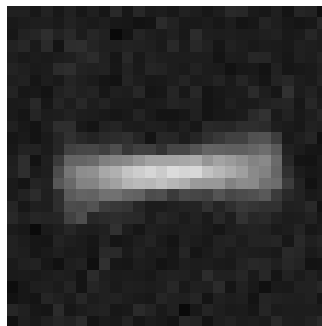Figure 1: Vector Image of Label = 0

Figure 2: Vector Image of Label = 1

2   Part 2

The ALS algorithm was used to reduce images to a size of 20 x 20. In Python using sklearn.ensemble, a random forest classifier was trained with the specified hyper-parameters

3   Part 3

Accuracy on the training data: 1.0.
Accuracy on the test data: 0.5.
Accuracy on the noisy data: 0.5.