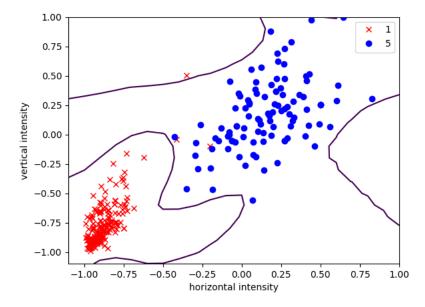
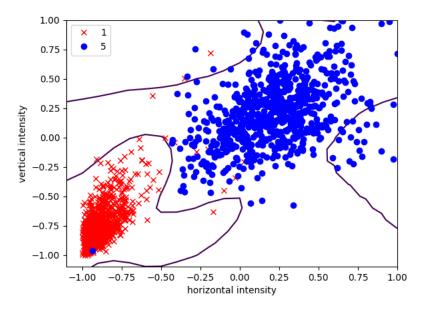
- 1. The dimensions of Z are 45
- 2. training data:

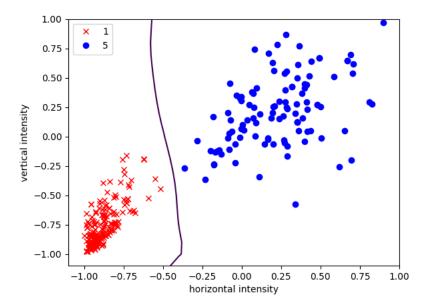


testing data:

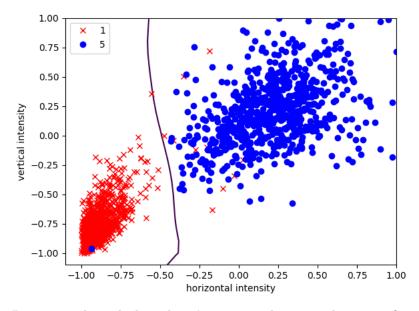


The data appears to be  ${\bf overfitted}$ 

3. training data:



testing data:



Data is regularized, there doesn't appear to be any under or overfitting.