

CS 383 - Machine Learning

Alex Marion

Assignment 8 - Artificial Neural Networks

Winter 2017

1 Artificial Neural Networks

Accuracy	0.940639
Testing Error	0.059361

Table 1: ANN Testing Error

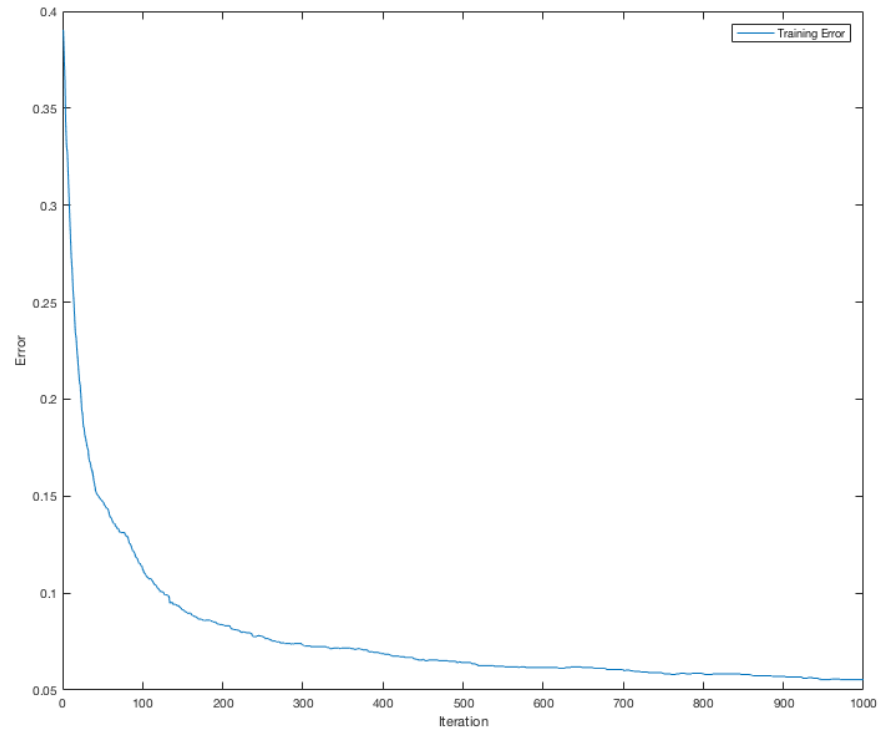


Figure 1: Training Error for ANN

2 The Precision-Recall Tradeoff

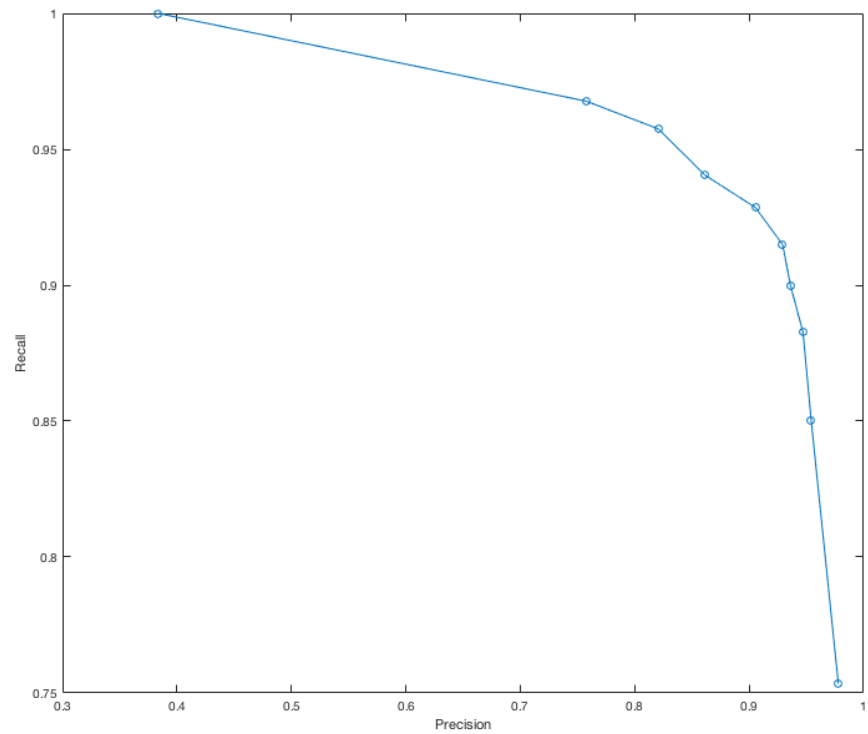


Figure 2: PR-Graph for ANN

3 Multi-Class Artificial Neural Networks

Accuracy	0.956215
Testing Error	0.043785

Table 2: ANN Testing Error

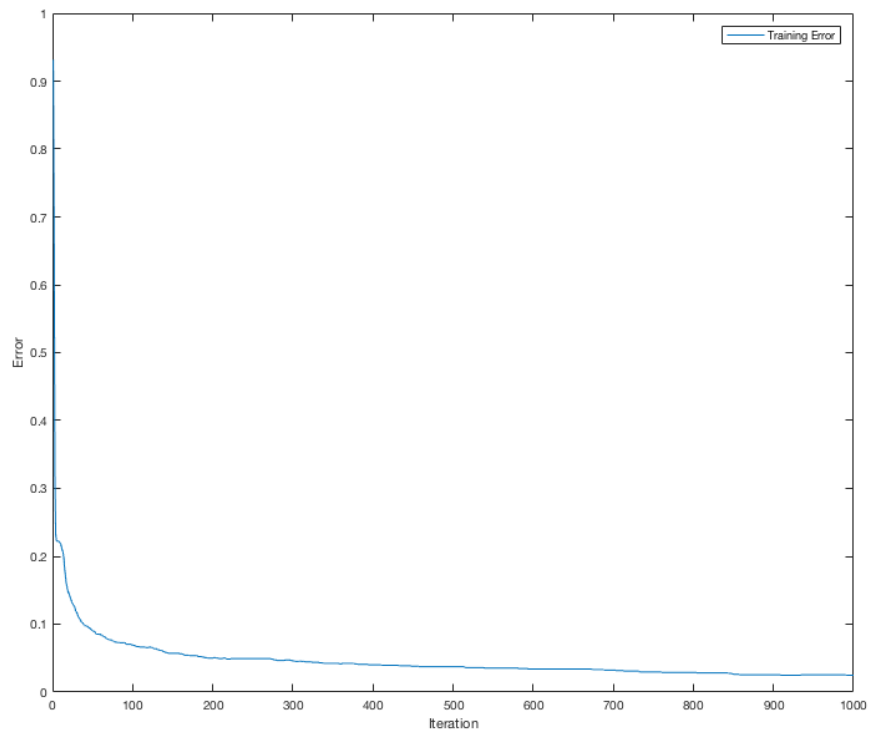


Figure 3: Training Error for Multi-Class ANN