CS 613 - Machine Learning

Assignment 4 - Artificial Neural Networks
Alex Lapinski
Fall 2016

11/27/2016

1 Binary Artificial Neural Networks

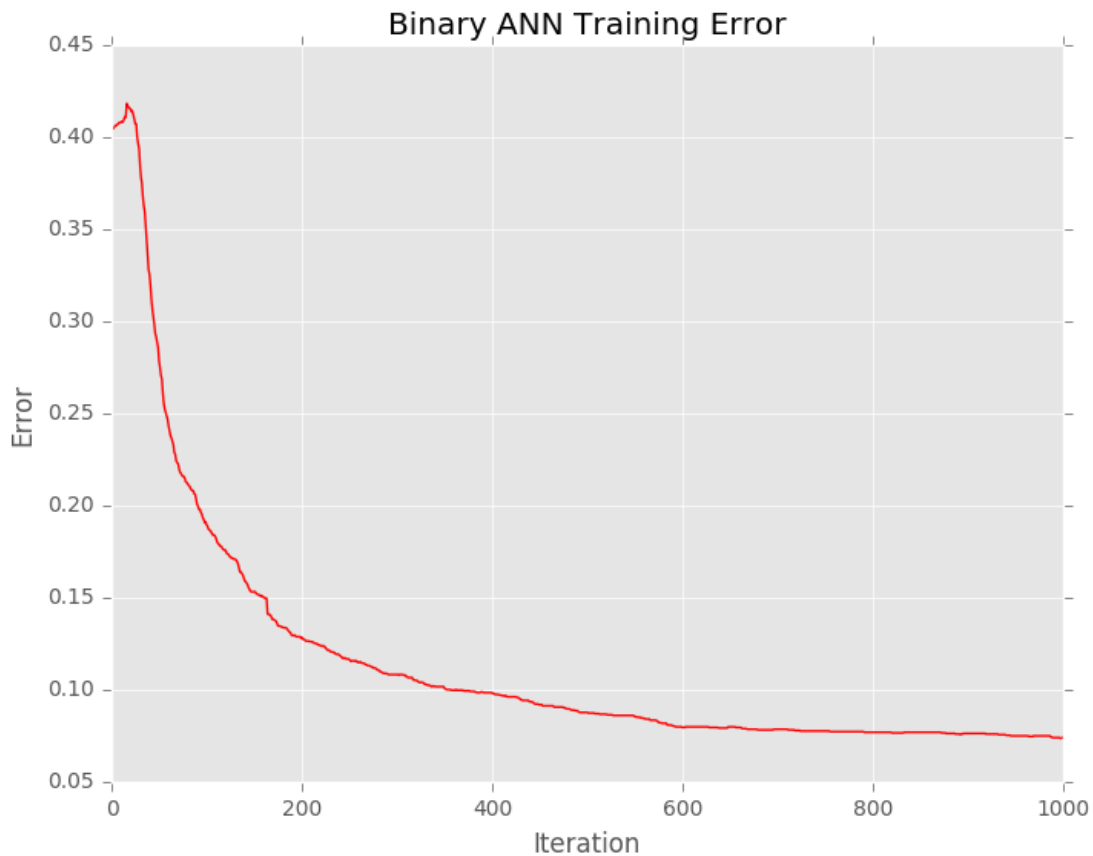| Testing Error	0.0782268578879

Table 1: Binary ANN Testing Error

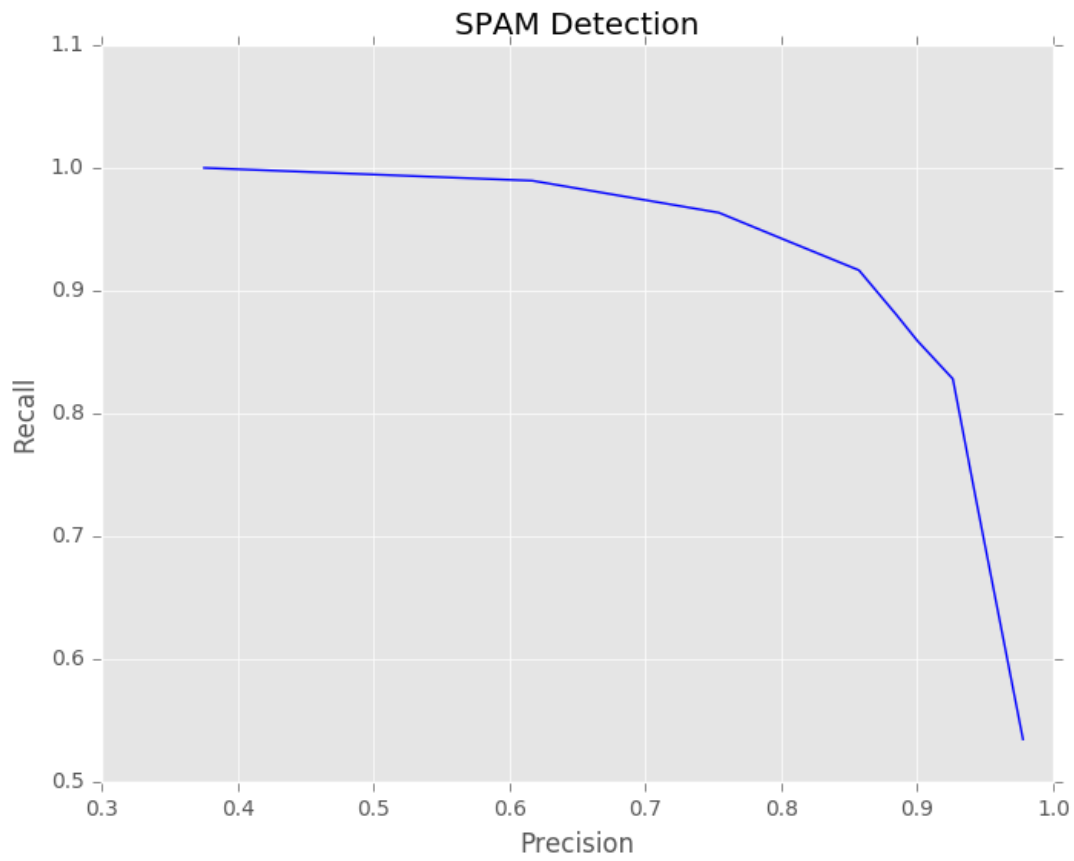Figure 1: Training Error for ANN

2 The Precision-Recall Tradeoff

Figure 2: PR-Graph for Binary ANN

3 Multi-Class Artificial Neural Networks

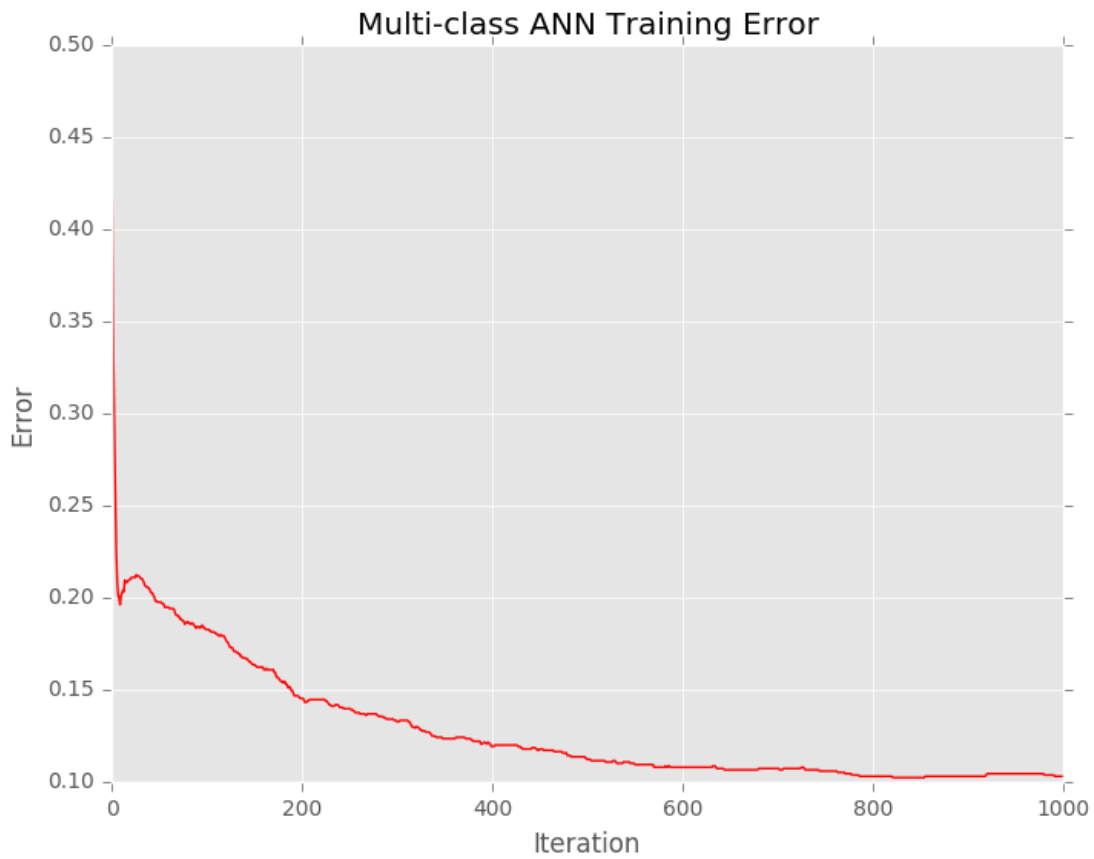| Testing Error	0.101551480959

Table 2: ANN Testing Error

Figure 3: Training Error for Multi-Class ANN