

DREXEL UNIVERSITY

CS499I

ADVANCED NEURAL NETWORKS

Facial Recognition With Networks

Author:

Alexander MARION
Matthew D'AMORE

Supervisor:

Dr. Matthew BURLICK

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1 Artificial Neural Networks

Accuracy	0.940639
Testing Error	0.059361

Table 1: ANN Testing Error

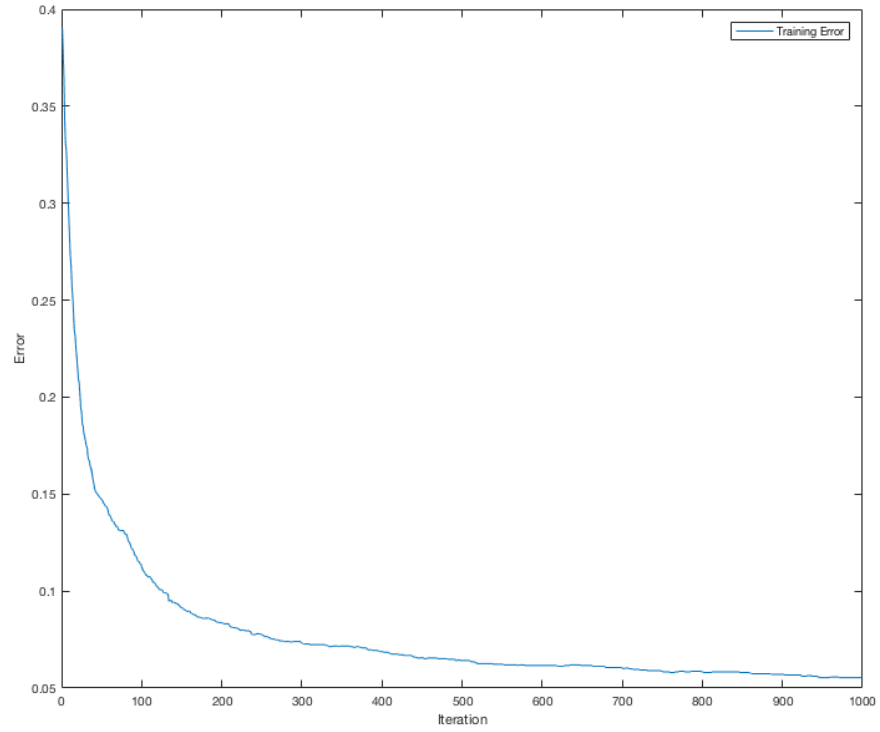


Figure 1: Training Error for ANN

2 The Precision-Recall Tradeoff

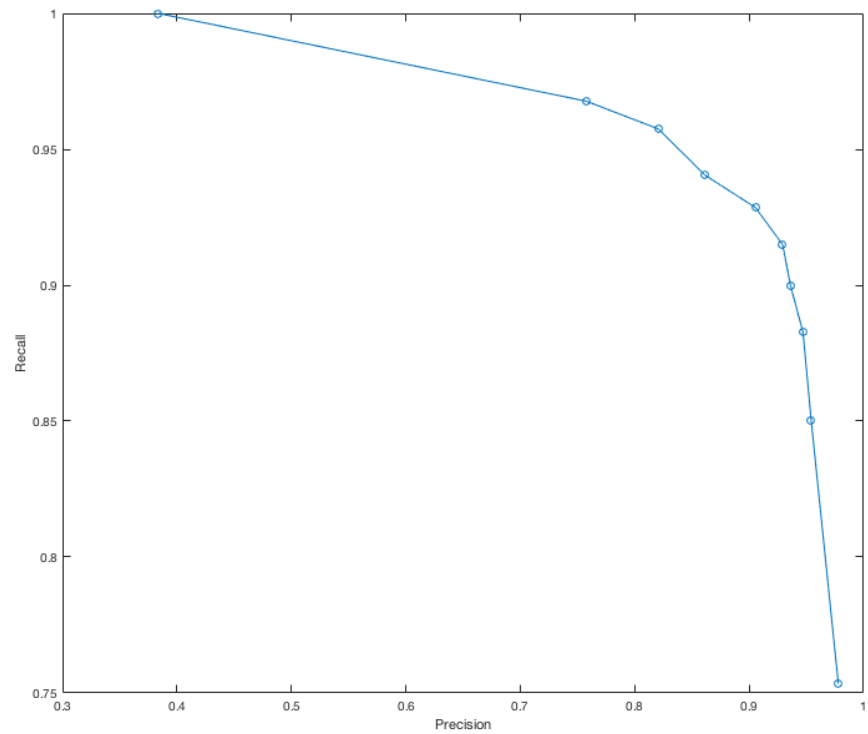


Figure 2: PR-Graph for ANN

3 Multi-Class Artificial Neural Networks

Accuracy	0.956215
Testing Error	0.043785

Table 2: ANN Testing Error

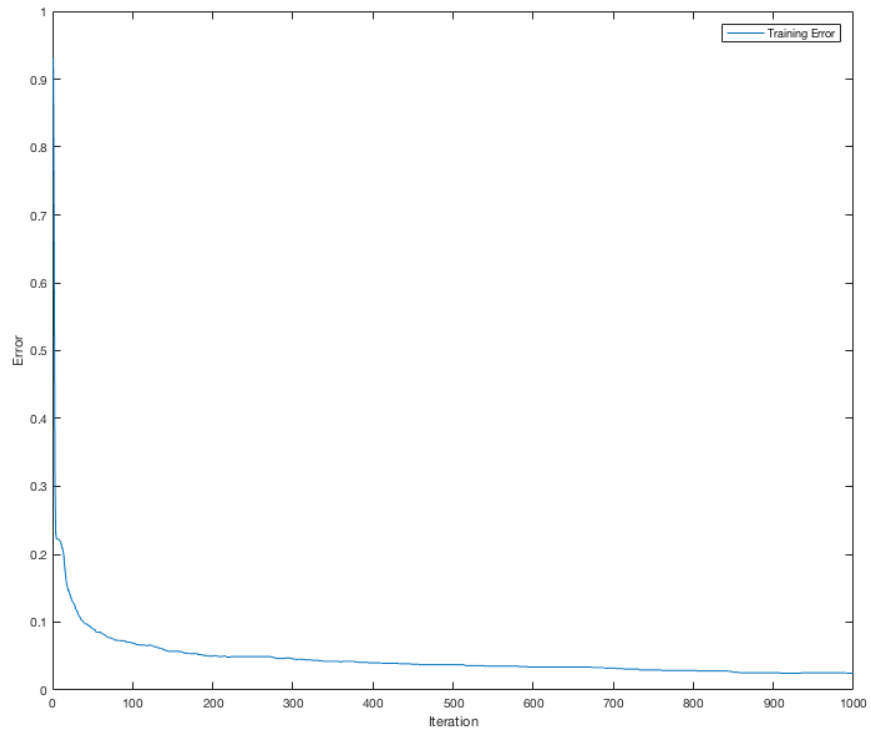


Figure 3: Training Error for Multi-Class ANN