

Supervised Learning

Writeup for Assignment 01 - CS 6741

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Figure 1: Test Error by Training Size - C4.5



Figure 2: Test Error by Training Size - ANN

ABSTRACT

An analysis of two machine learning classification problems, including an evaluation of various learning algorithms and an exploration into the

1. CLASSIFICATION PROBLEM 1 - POISON MUSHROOMS

The first dataset we shall examine is

2. CLASSIFICATION PROBLEM 2 - XXXX

Our second dataset was also chosen from the UCI ML Repository and is titled, Adult [1].

3. ALGORITHM EVALUATIONS

3.1 Learning Curve

3.2 Decision Trees

3.3 Neural networks

3.4 Boosting

3.5 Support Vector Machines

3.6 k-nearest neighbor

4. ANALYSIS

4.1 Overview of Results

4.2 Algorithm Comparison

5. REFERENCES

- [1] K. Bache and M. Lichman UCI Machine Learning Repository 2013 <http://archive.ics.uci.edu/ml> University of California, Irvine, School of Information and Computer Sciences