

Worksheet 5 – regression and neural nets

Team: _____

Please place one finished copy of your work in your team folder

Save your work as I may ask you to demo it to the class.

1. Zillow

In class I demo'd how to predict the selling price of a house. Using Zillow (or any real estate site) determine the attributes to use and construct a weka data file. Try various algorithms including linear regression and perceptron. Describe both the attributes you used and the results.

2. Predicting MPG

Let's take a look at another data file. This one is supplied to us by Weka. You can download it at <http://www.zacharski.org/files/autoMpg.arff>.

The data file contains attributes of cars. We are going to try to predict mpg. (Unfortunately, the data is from 1970-1982.) Compare linear regression and multilevel perceptron on this problem.