Project 4 CSC242

Group member: Yuanzhuo Wang, Kevin Kao, Tongyu Yang

How to run our program:

Change the current directory to src. Then type

javac \*/\*/\*/\*.java

Then

To test for perceptron:

Java learn/lc/examples/PerceptronClassifierTest [file-name] [# of iterations] [learning rate]

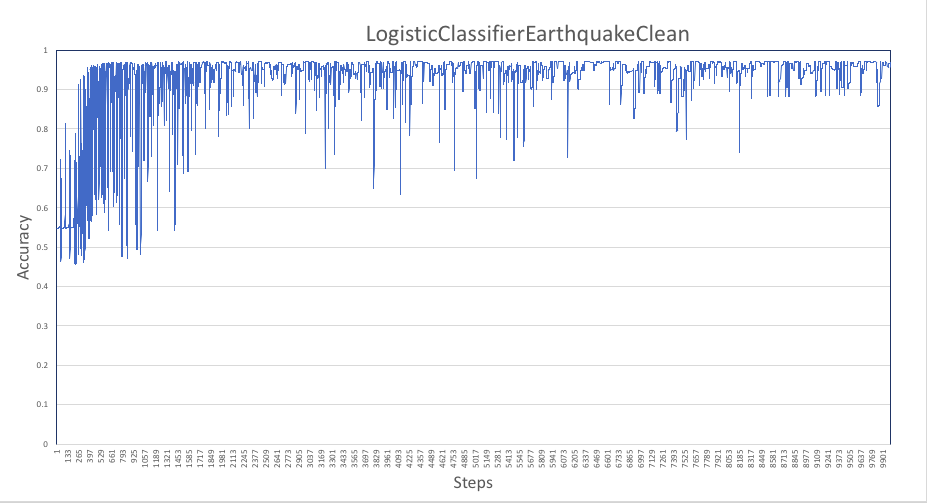
To test for logistic classifier:

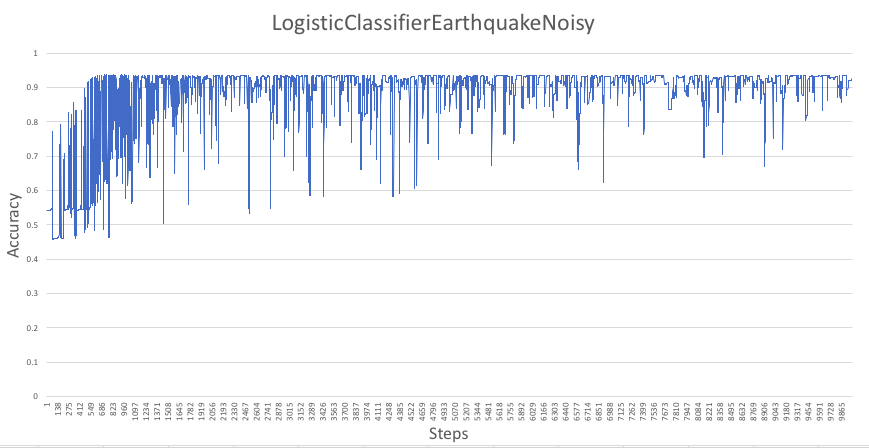
java learn/lc/examples/LogisticClassifierTest [file-name] [# of iterations] [learning rate]

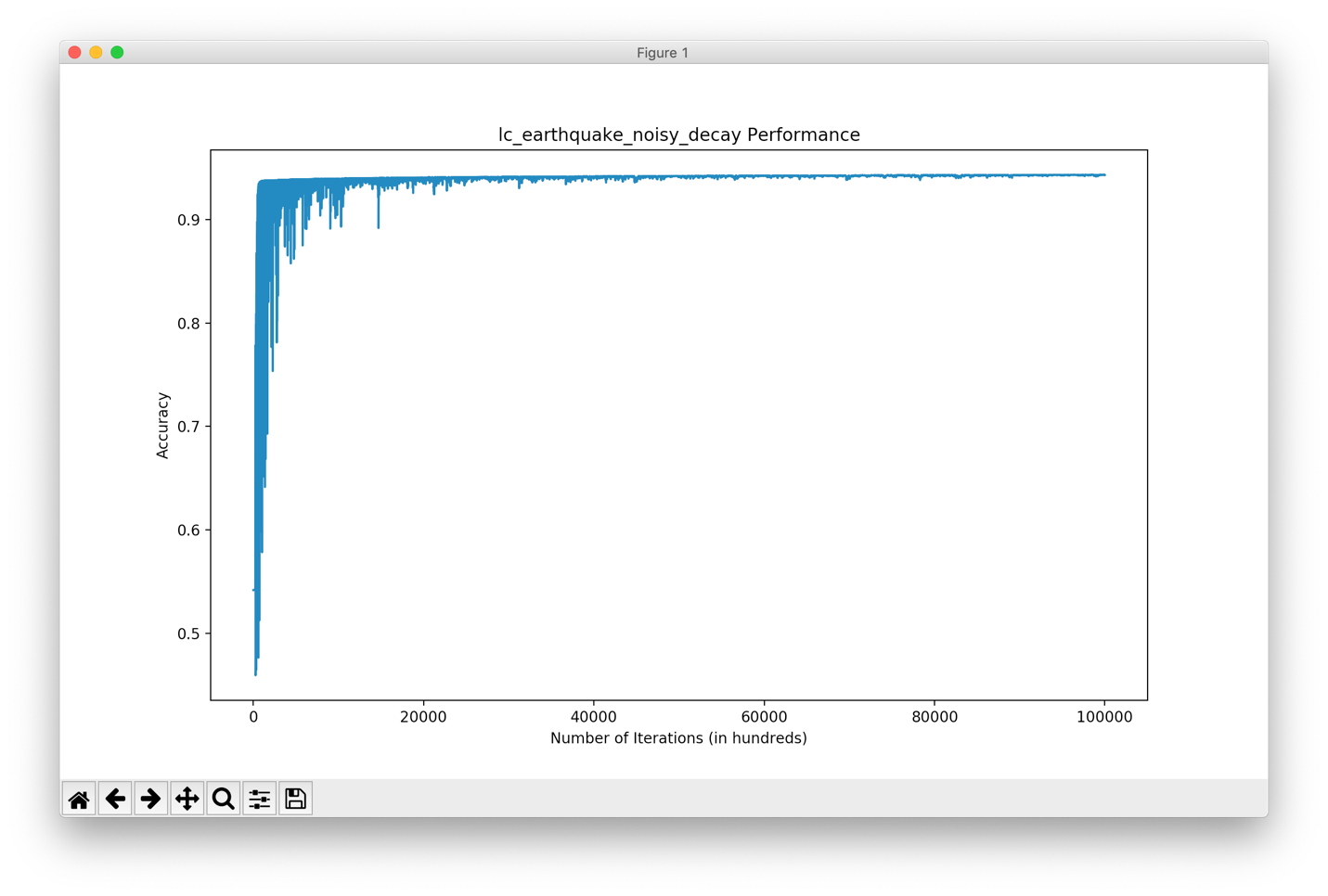
Sample for testing logistic classifier on the data “house-votes-84.data.num.txt” with 10000 iterations and learning rate 0.1:

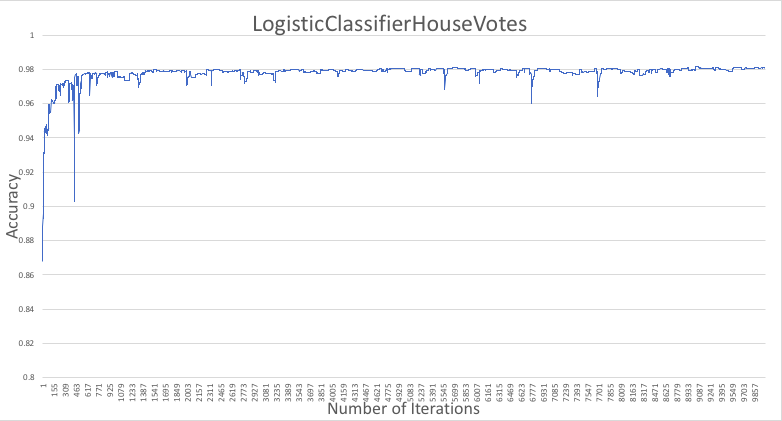
java learn/lc/examples/LogisticClassifierTest “learn/lc/examples/house-votes-84.data.num.txt” 10000 0.1

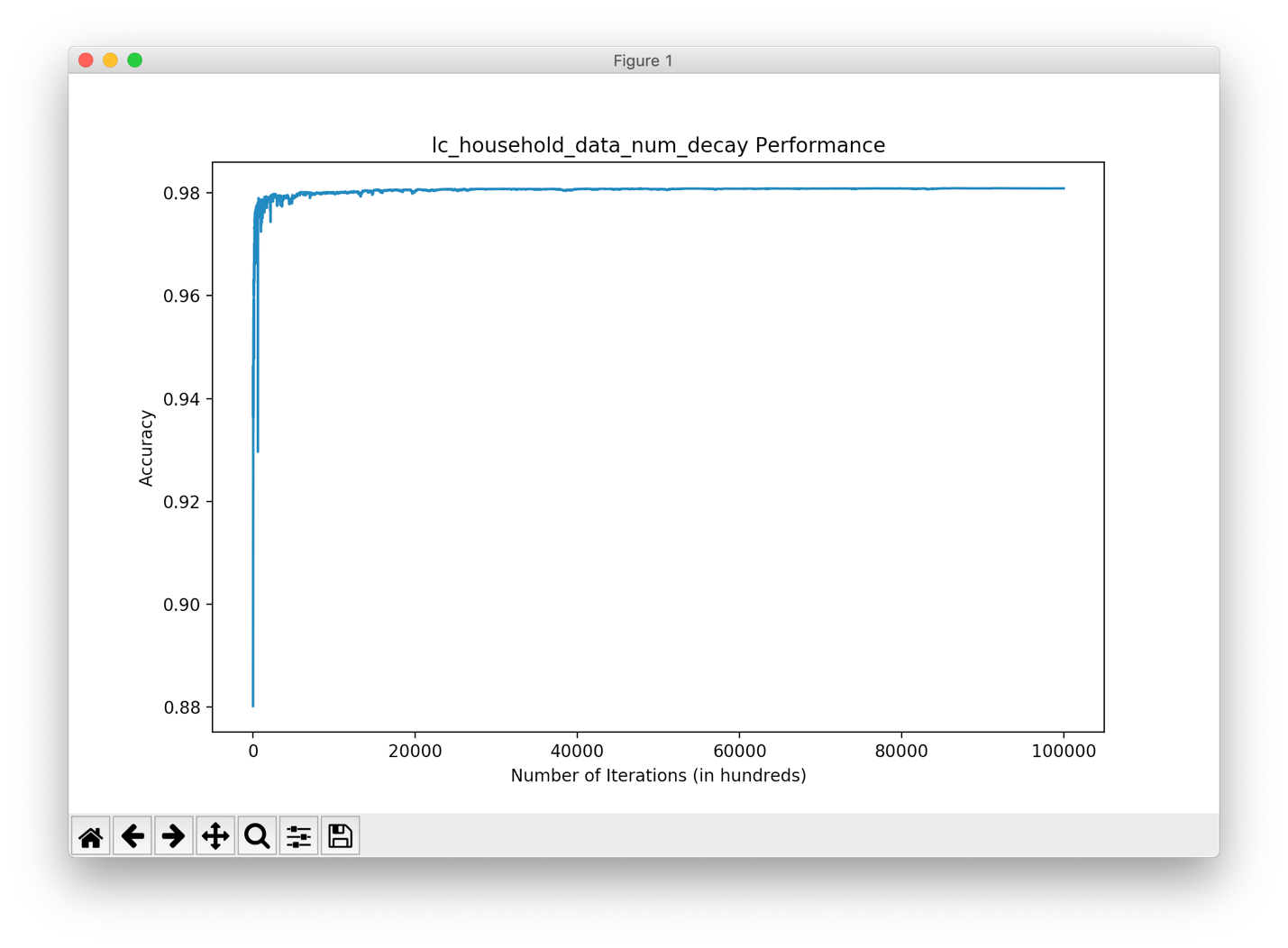
Logistic Classifier:



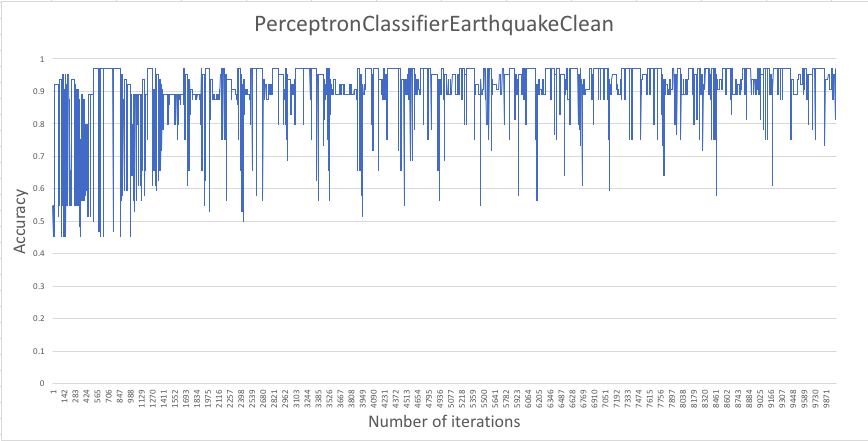


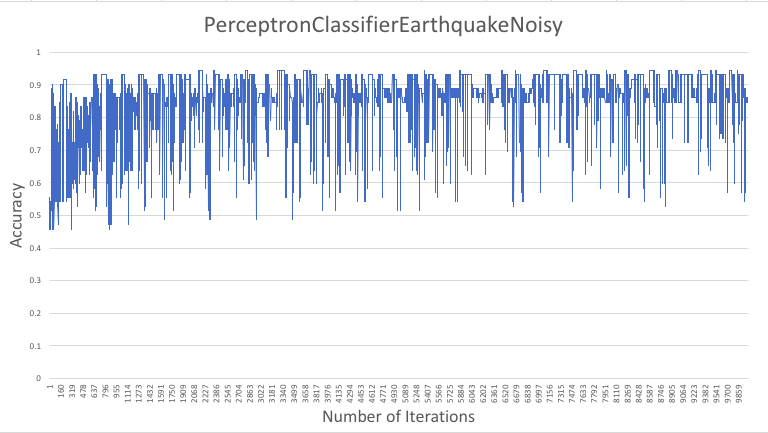


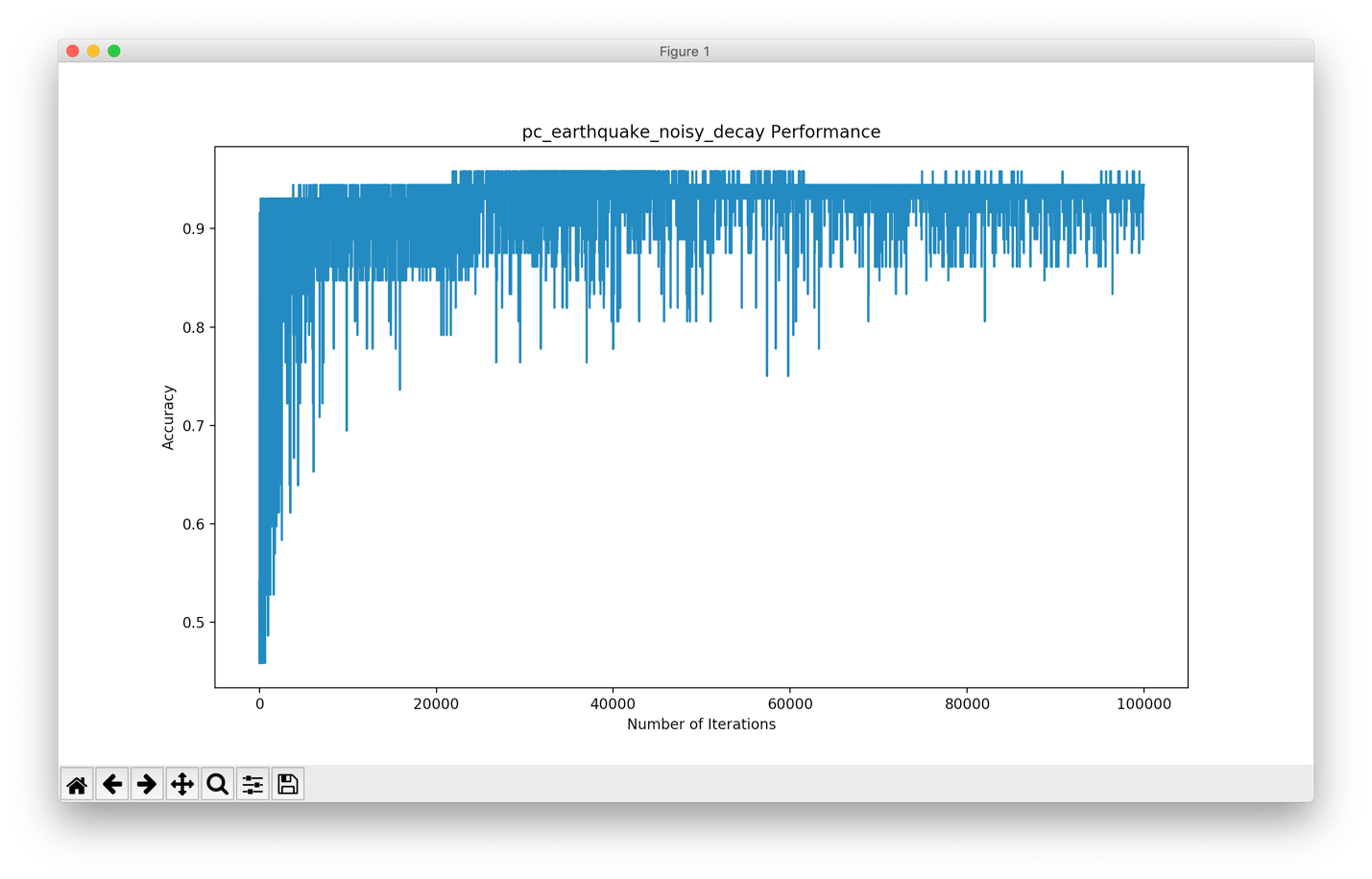


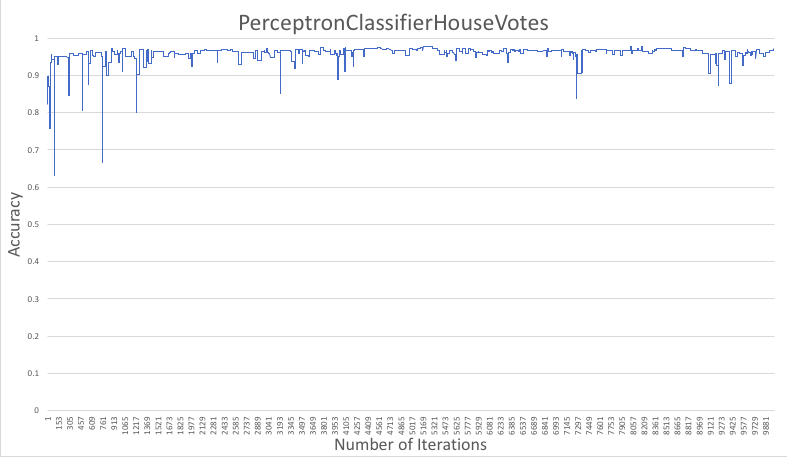


Perceptron Classifier:









Neural Network:

