Honor Code: I affirm that I have adhered to the honor code in this assignment.

Implementation

The program neuralnets.py takes as input the name of a CSV file containing the data set, an integer to be used as a random seed, a decimal number representing the proportion of the data set to be used for training, the number of neurons to be used in the hidden layer, and the number of training iterations to be executed.
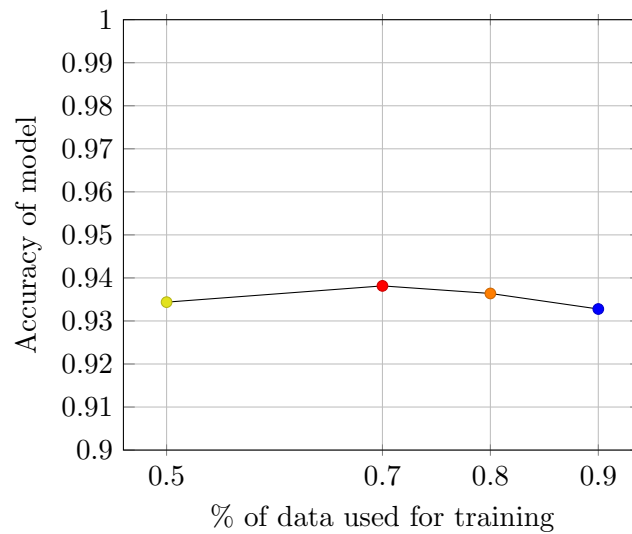

Figure 1: Average accuracy of models trained with different proportions of the data set.
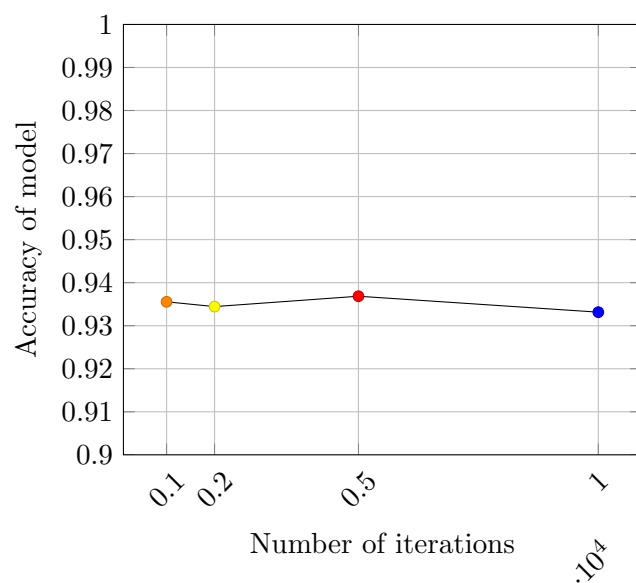
Figure 2: Average accuracy of networks trained with varying number of iterations
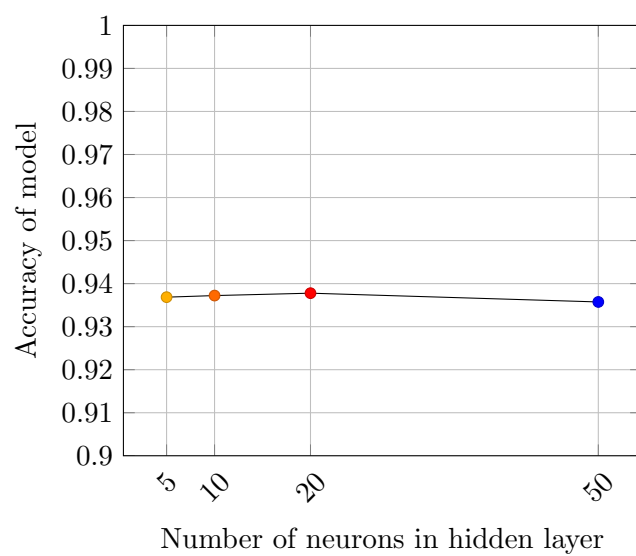

Figure 3: Average accuracy of networks trained with varying number of hidden neurons

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