

Health Insurance Neural Network Report

I created a model with 2 hidden layers, with the first layer containing 3 neurons and the second layer containing 4 neurons. I used sklearn's library to divide up the data into the 70/15/15 split for training, testing. Sklearn's library implements a cross-validation style of training as it chooses different subsets of data to be assigned to testing and validation with each execution of the model. This style allows the network to be thoroughly tested on a variety of data so that it does not get used to one certain set of data. Using this, I was able to obtain an accuracy level of 87.66% after multiple runs.