#Reformat this document so it looks nicer or something

Breast Cancer Dataset

**Epoch**

Using a value of 150 upwards for the epoch tended to result in negligible results for accuracy other than increasing the learning time drastically. Using lower values such as 50 lowered the accuracy of the neural network by some distance.

**Neuron Count**

A value of 15 for both sections of the neural network was chosen as it gave the best outcome for the accuracy. 30 neurons greatly decreased the accuracy for the neural network. Using lower values such as 8 also saw a decrease in the accuracy.

**Training and Test Size**

The dataset was split up into 80/20, with the training set taking up 80 percent of the dataset, and the testing set taking up 20 percent of the dataset. This margin returns a good result for the neural network given the small dataset size. Using 90/10 saw possibly negative results as the neural network would report 100% accuracy, however, this is very much likely due to the limited testing size.