**STT 811**

**In-Class Assignment 22**

1. For the heart dataset
   1. With a 70-30 train test split, experiment with building a few different neural networks (both single and multi-layer), using RestBP and MaxHR and a logistic activation function. Which one has the best performance?
   2. Build a neural network with 2 nodes in the single hidden layer. Manually duplicate the predictions on the test dataset by directly using the weights and logistic functions of the inputs.