**STT 811**

**In-Class Assignment 26**

For the Heart data,

1. Do a 70/30 train/test split.
2. Build a neural network with 3 nodes in a single hidden layer, using Age, MaxHR, Chol, and RestBP.
3. Calculate the Confusion matrix on the test dataset.
4. Recreate the outputs from the hidden layer on the train dataset
5. Use these 3 features to create an xgboost model
6. Run the xgboost model on the test dataset, again re-creating the features