Cross Entropy for Classifier with 1 hidden layer of 20 units: 0.20620680297264624 Cross Entropy for Classifier with 2 hidden layers of 10 units: 0.22185538578683303

Best is Classifier 1

Testing Cross Entropy: 0.14483428087059372

Cross Entropy for Gini: 0.5331292993371863 Cross Entropy for Info Gain: 0.4650689391179118

Best is Information Gain

Testing Cross Entropy: 0.45502554274592477

20 Stumps Cross Entropy: 0.641563128012411 40 Stumps Cross Entropy: 0.6594395475653865 60 Stumps Cross Entropy: 0.668290374765244

Best is 20 Boosts

Testing Cross Entropy: 0.6428168129524989

MLP Highest Youden is: 0.887473666003818 Probability threshold is: 0.391

AUC: 0.939104413153408

Decision Tree Highest Youden is: 0.5581571735363348 Probability threshold is: 0.359

AUC: 0.7503247098560318

Boost Highest Youden is: 0.6551672645195529 Probability threshold is: 0.487

AUC: 0.804933978348379

