net = patternnet([10 15 20]);

net = train(net,x,y);

%view(net)

t = net(x\_test);

perf = perform(net,t,y\_test);

irisOutputs = sim(net,x\_test);

[tpr,fpr,thresholds] = roc(y\_test,irisOutputs);

plotroc(y\_test,irisOutputs)

