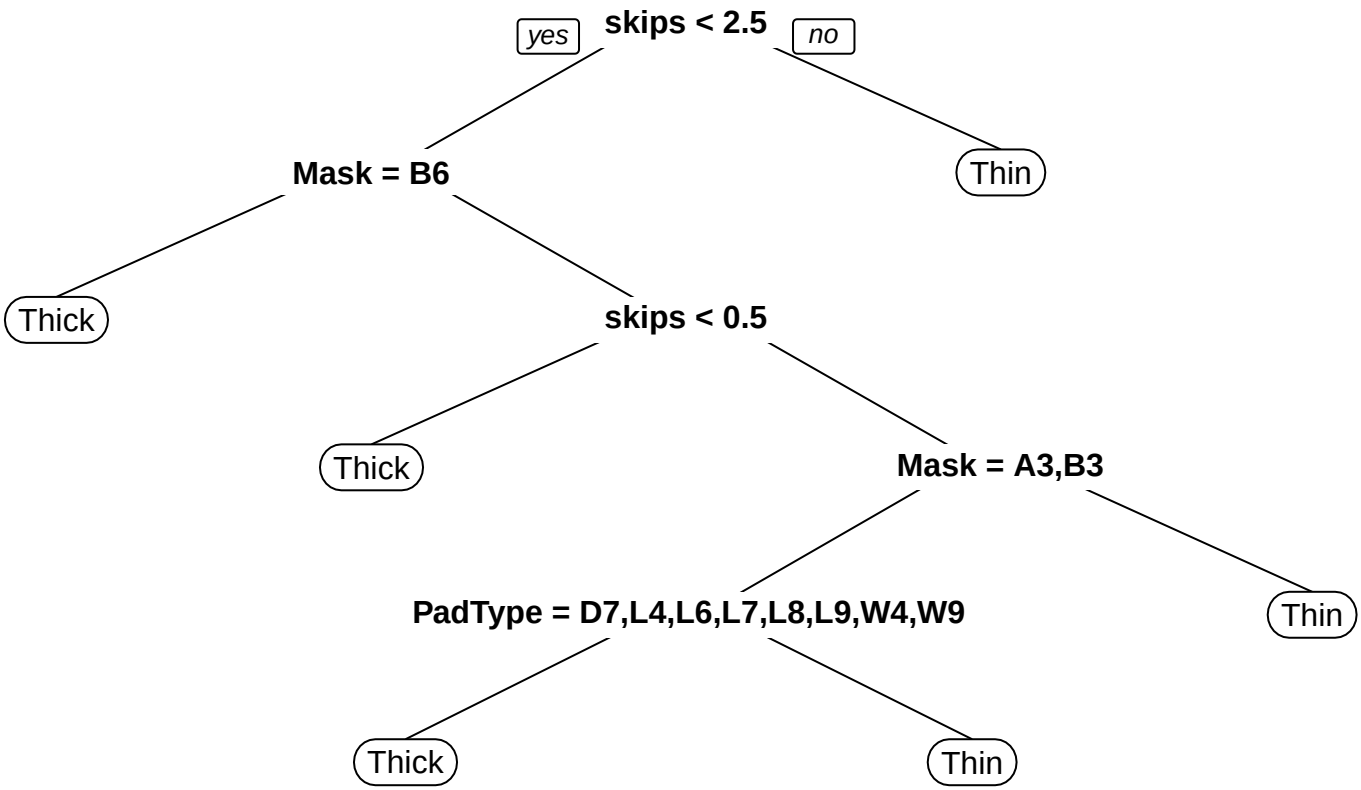
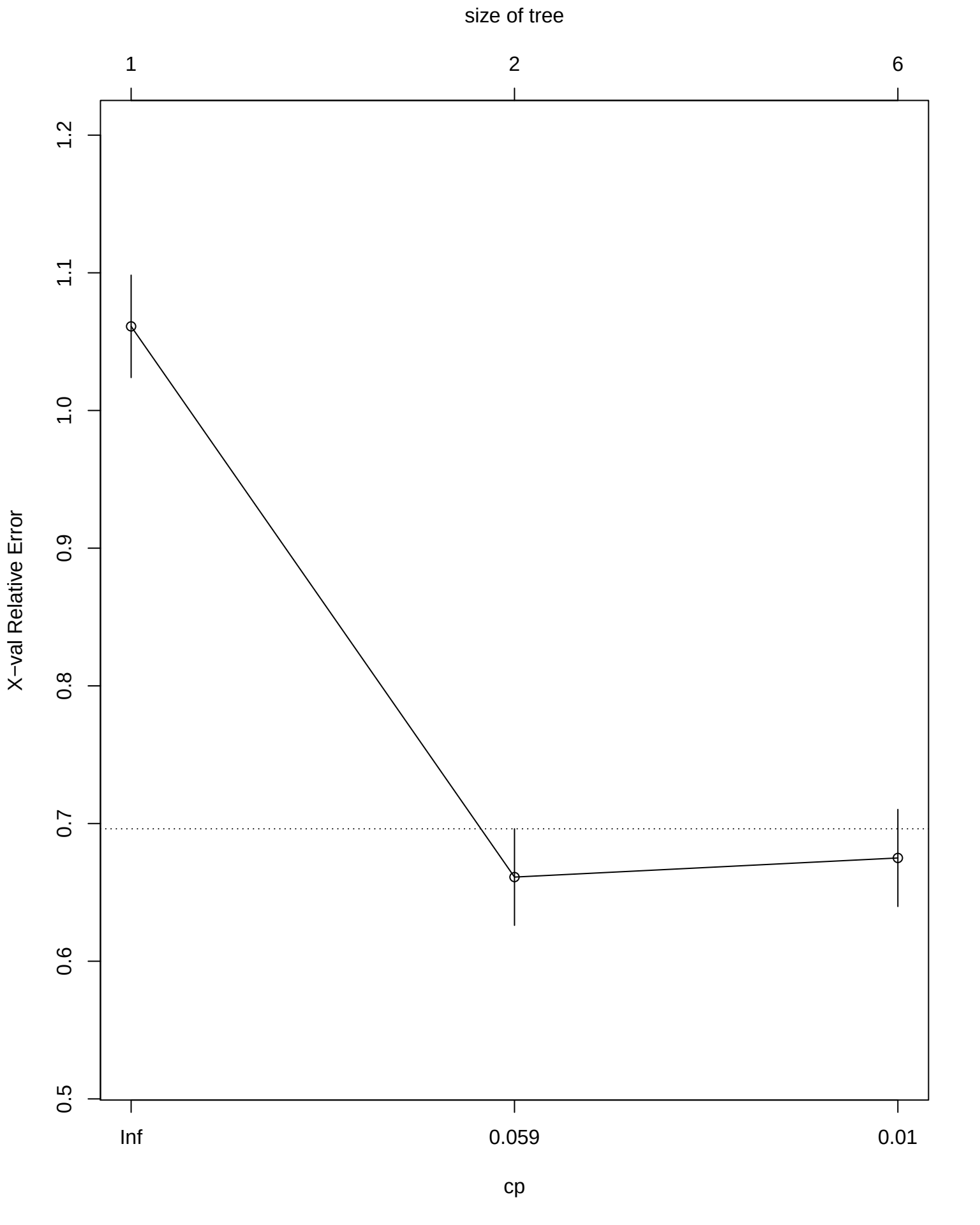
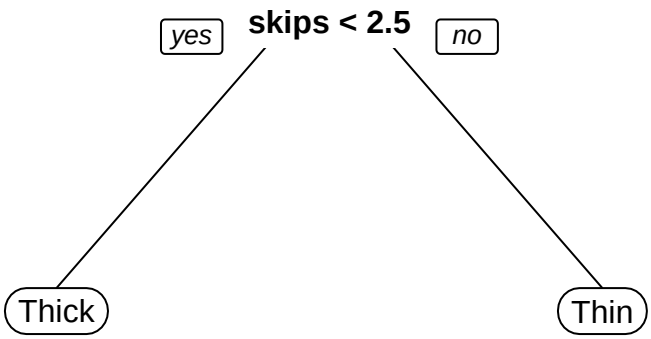
Decision Tree for Solder



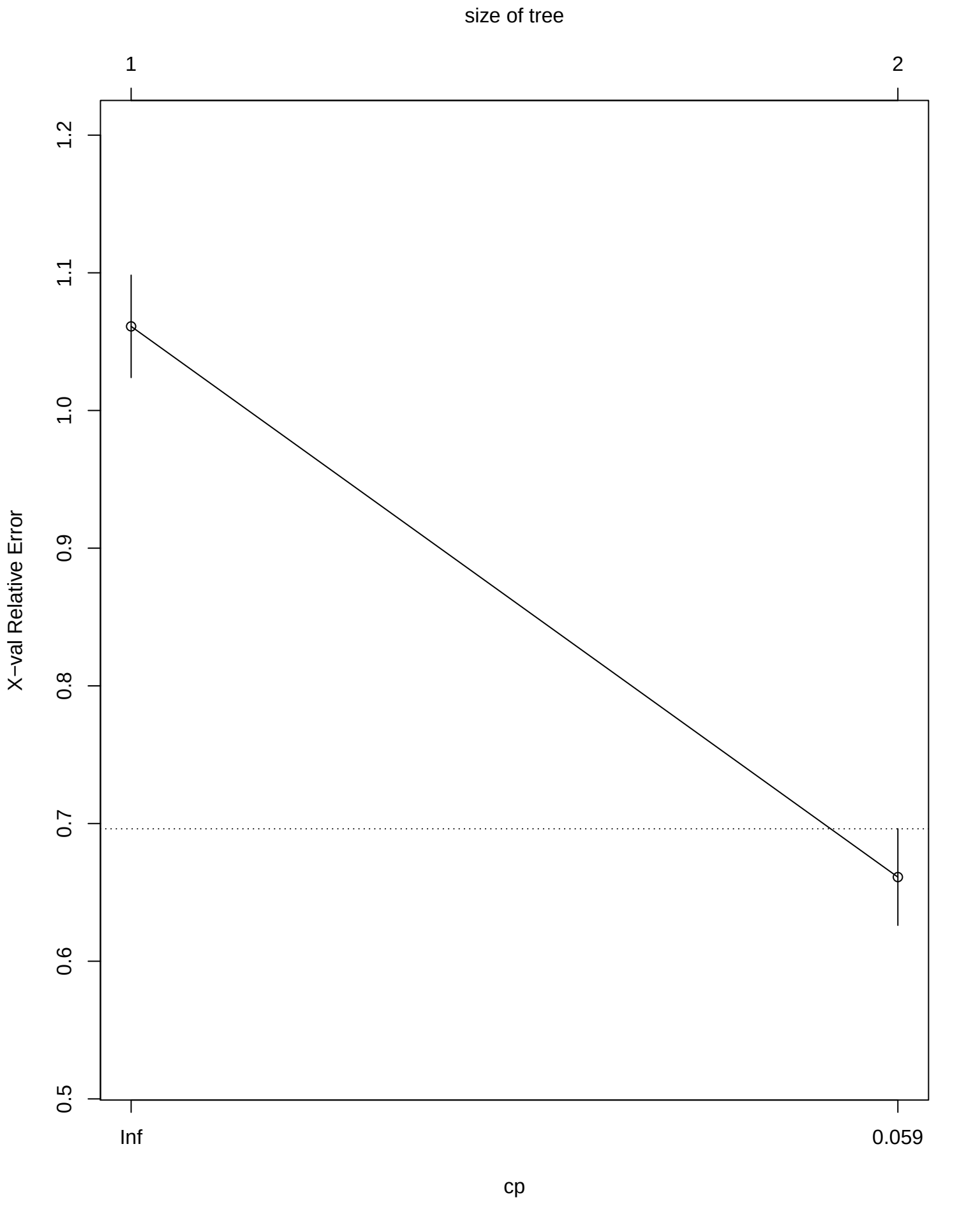
Analysis using Solder as Class Variable


size of tree
1
2
6
X−val Relative Error
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
Inf
0.059
0.01
cp

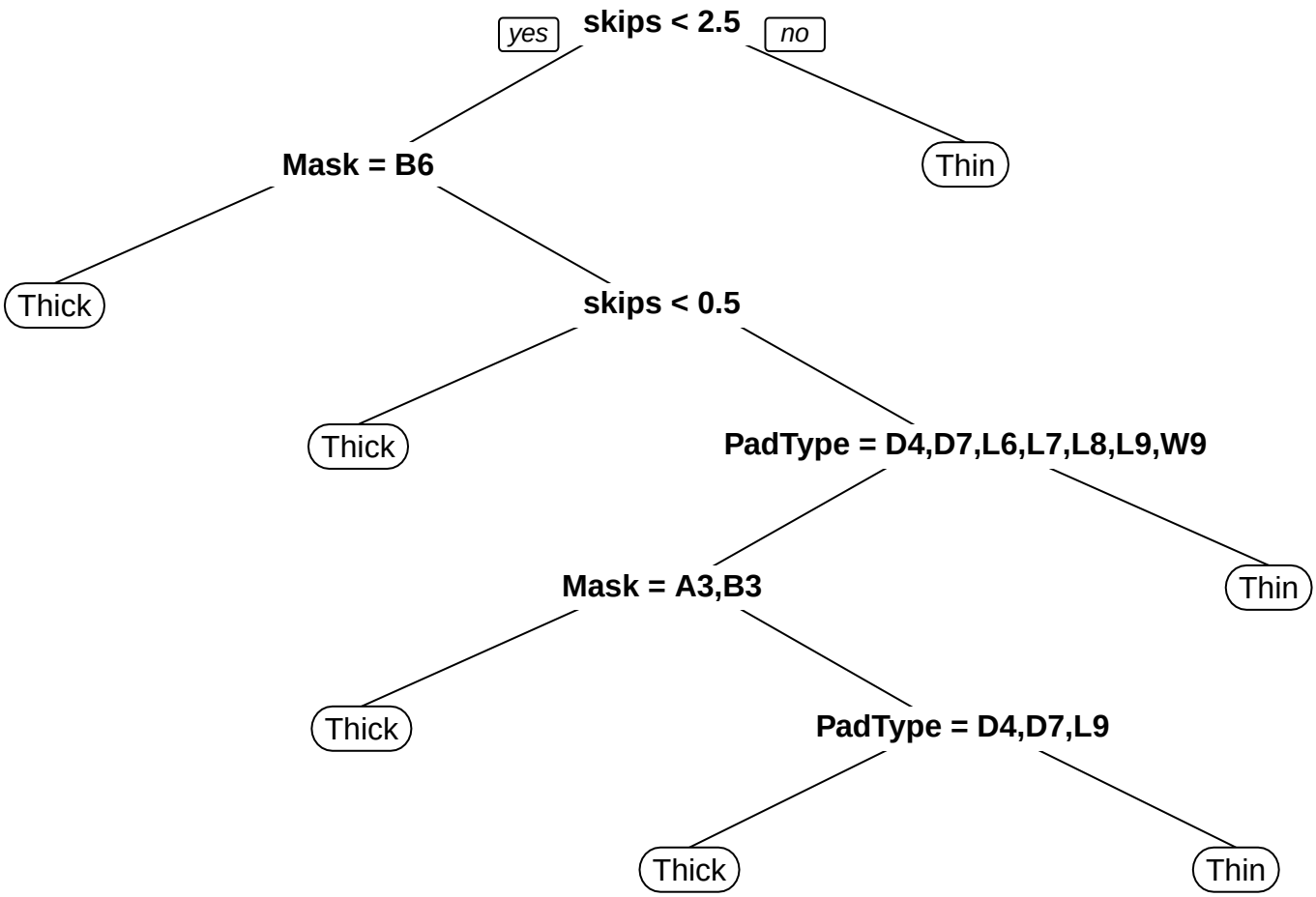
Pruned Tree



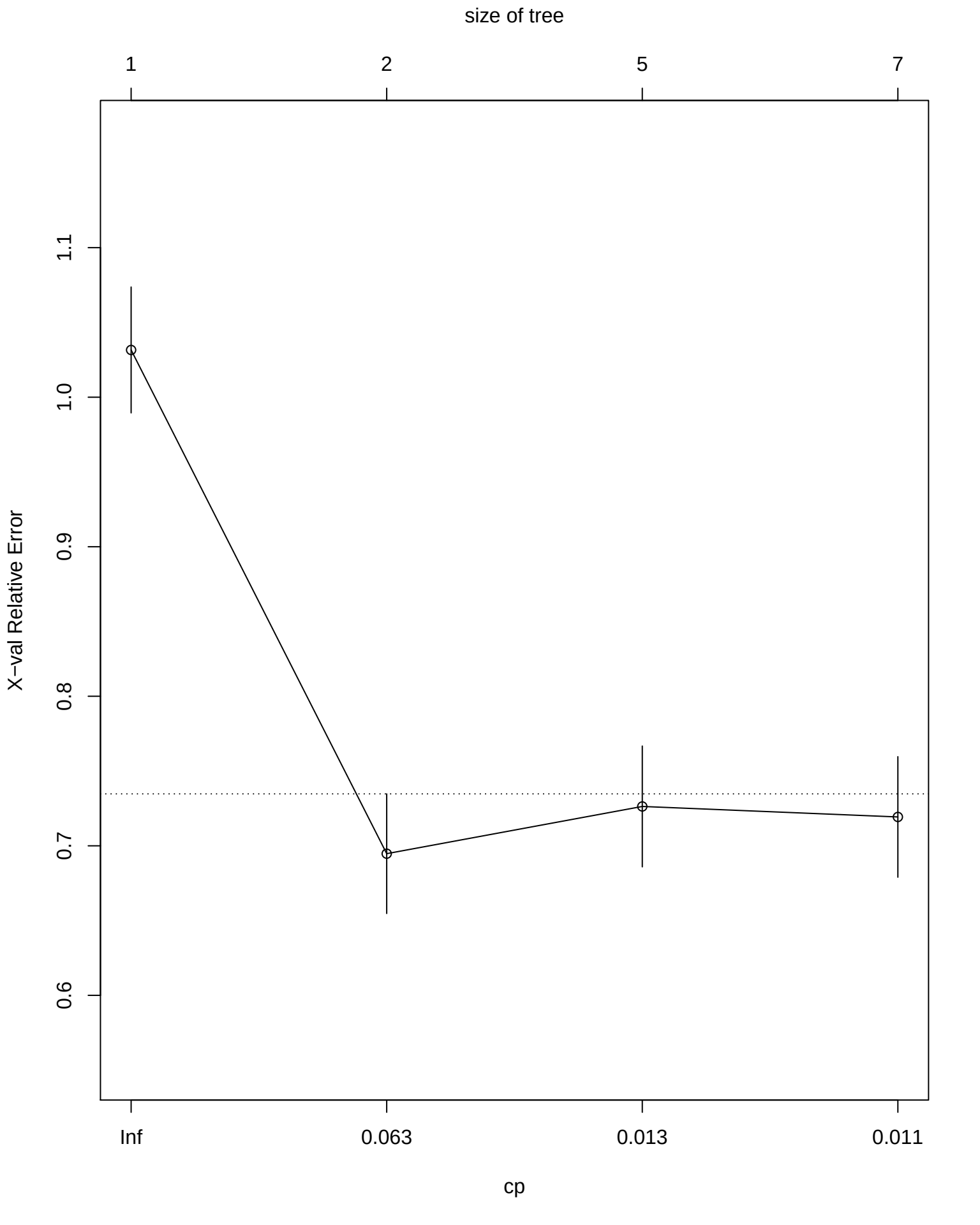
Using Solder Tree


size of tree
1
2
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
X−val Relative Error
Inf
0.059
cp

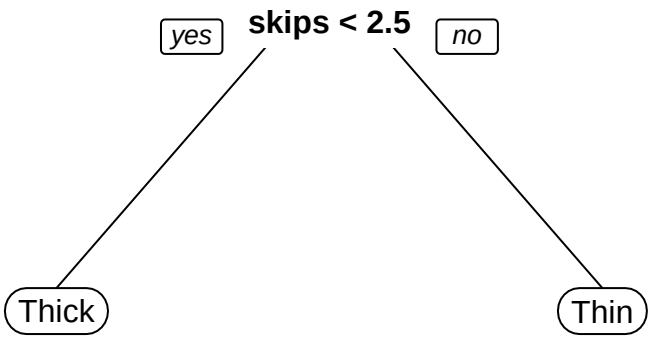
Training Decision Tree for Solder



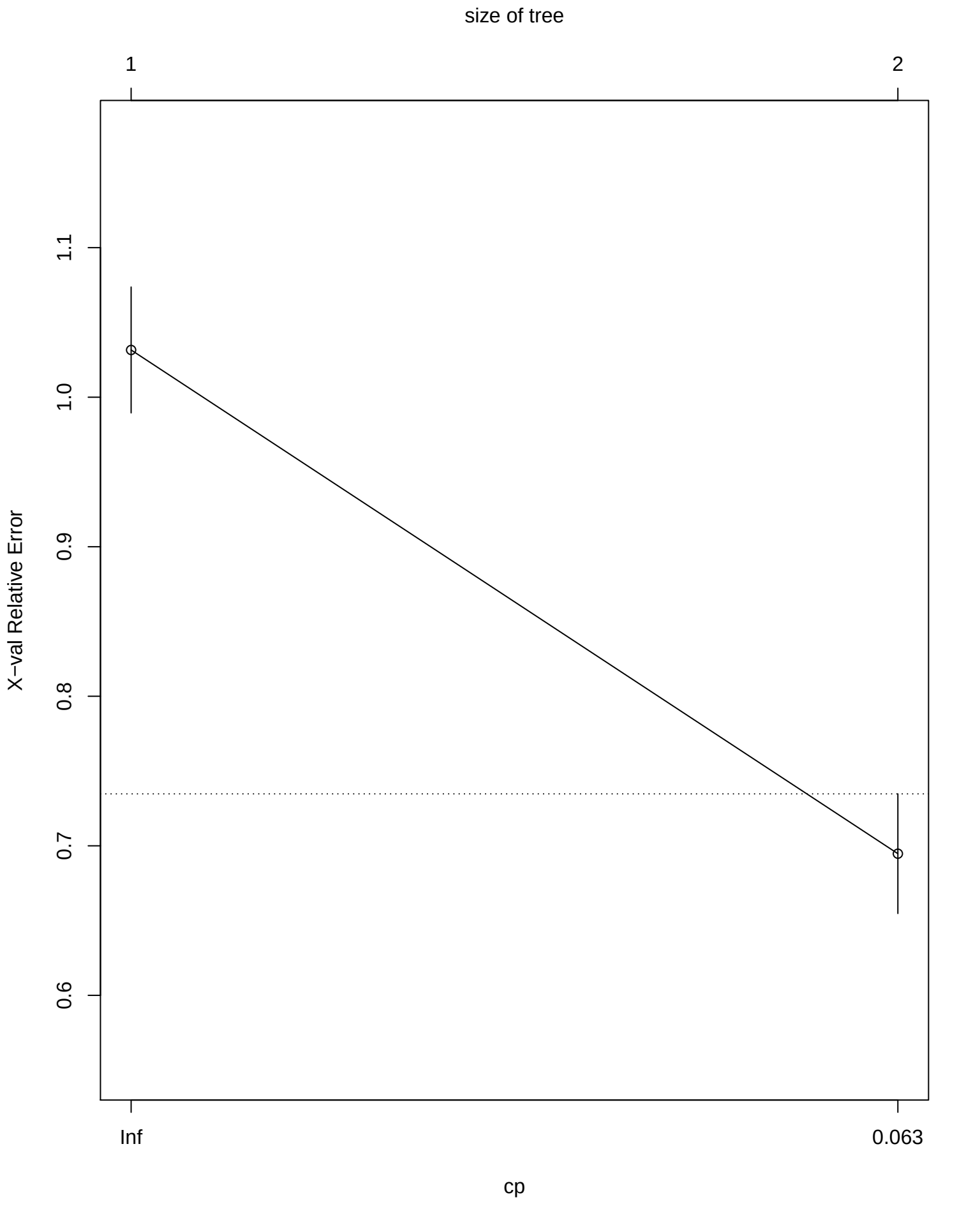
Analysis using Solder as Class Variable in Training Data Set

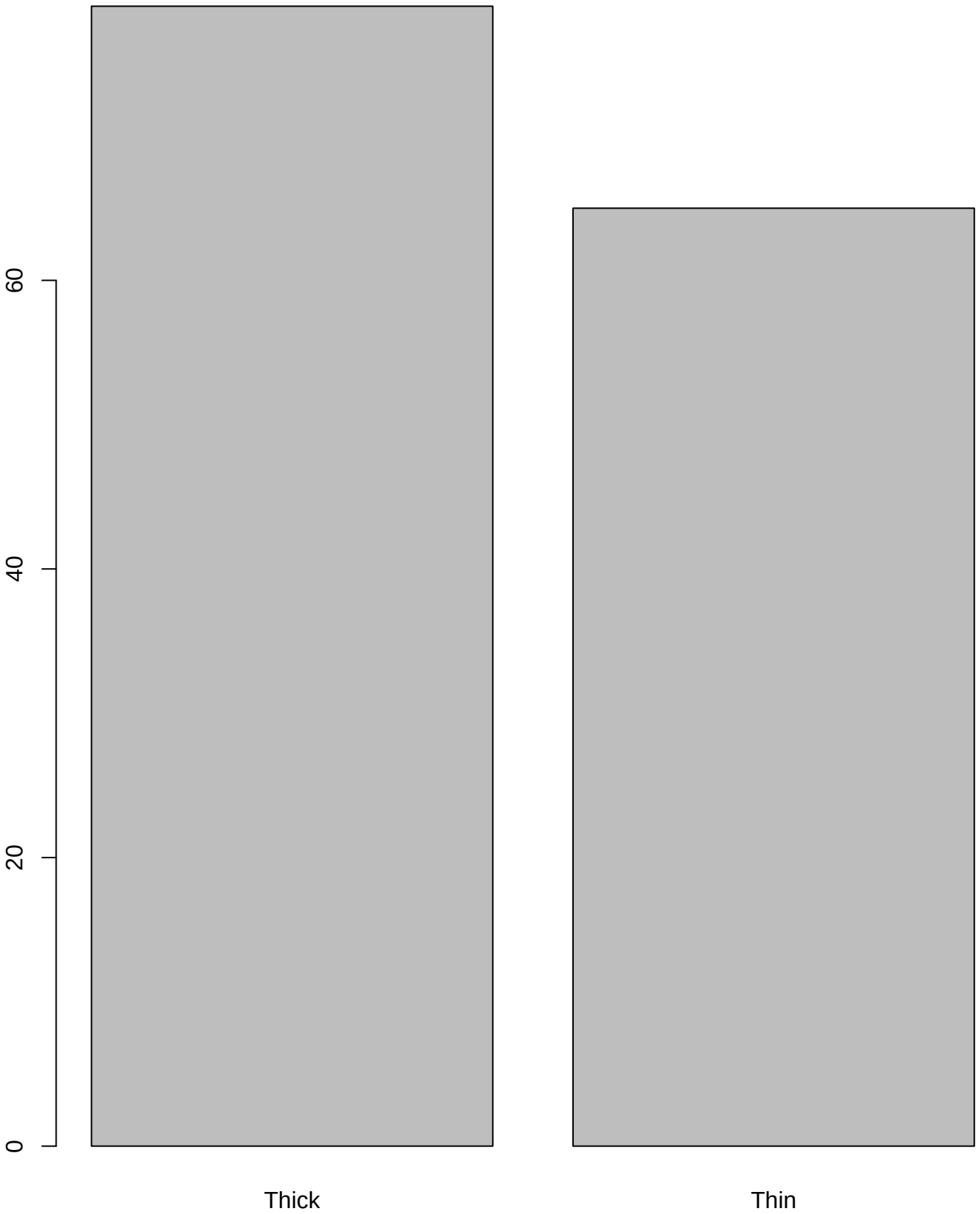

size of tree
1
2
5
7
X−val Relative Error
0.6
0.7
0.8
0.9
1.0
1.1
Inf
0.063
0.013
0.011
cp

Pruned Tree from Training Data

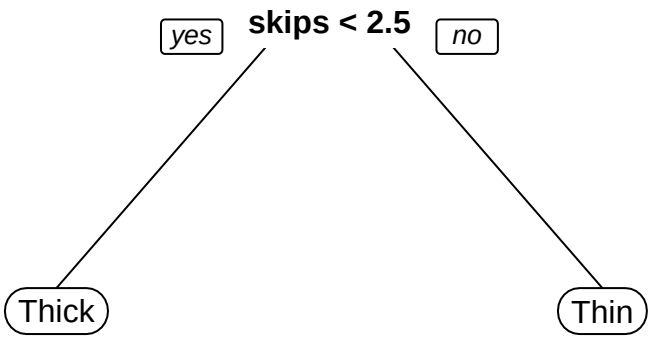


Using Solder Tree in Training Data Set

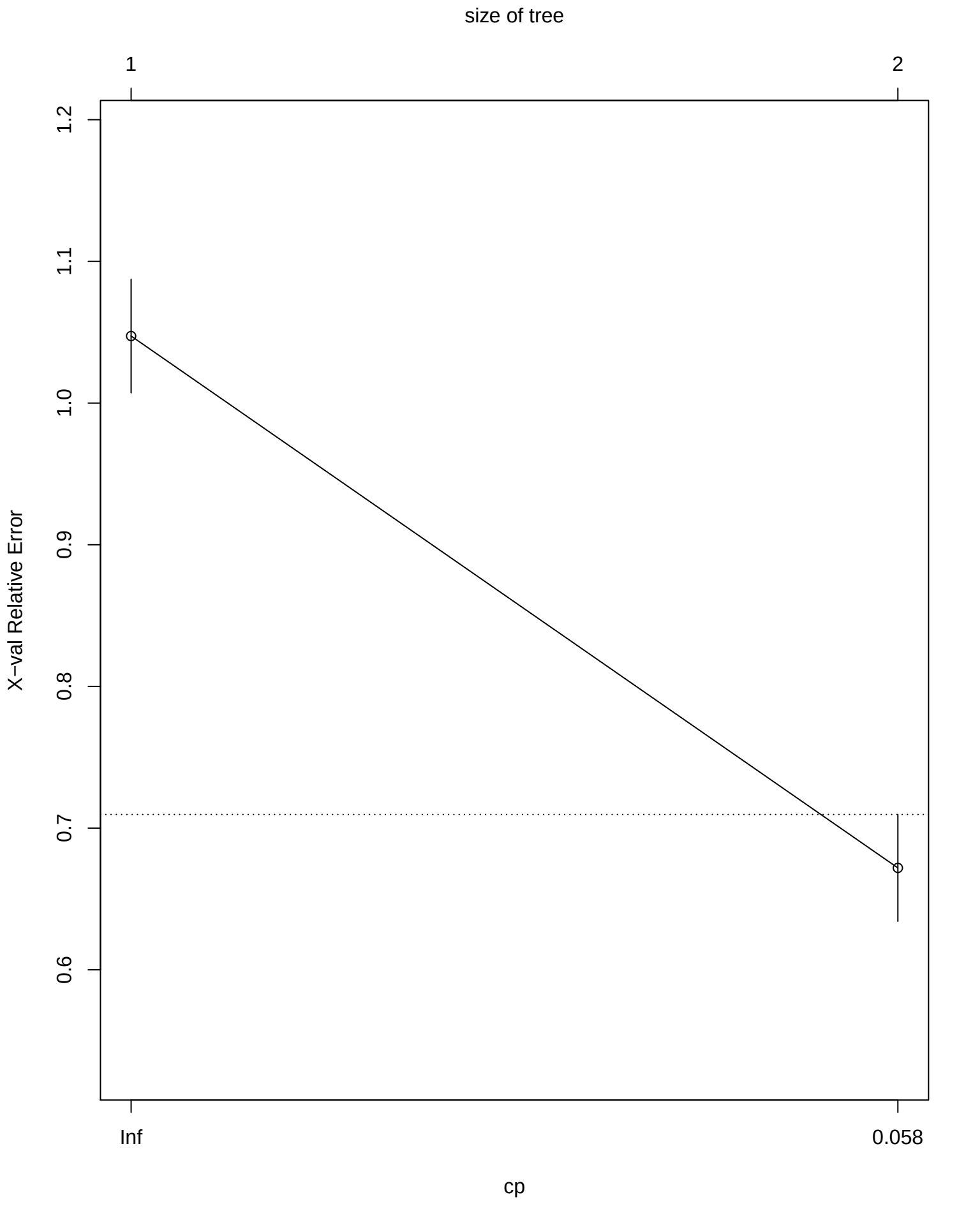

size of tree
1
2
X−val Relative Error
1.1
1.0
0.9
0.8
0.7
0.6
Inf
0.063
cp


0
20
40
60
Thick
Thin

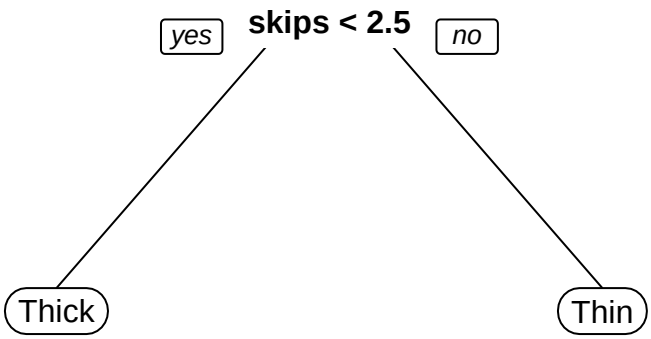
Training Decision Tree for 90 percent data
Solder



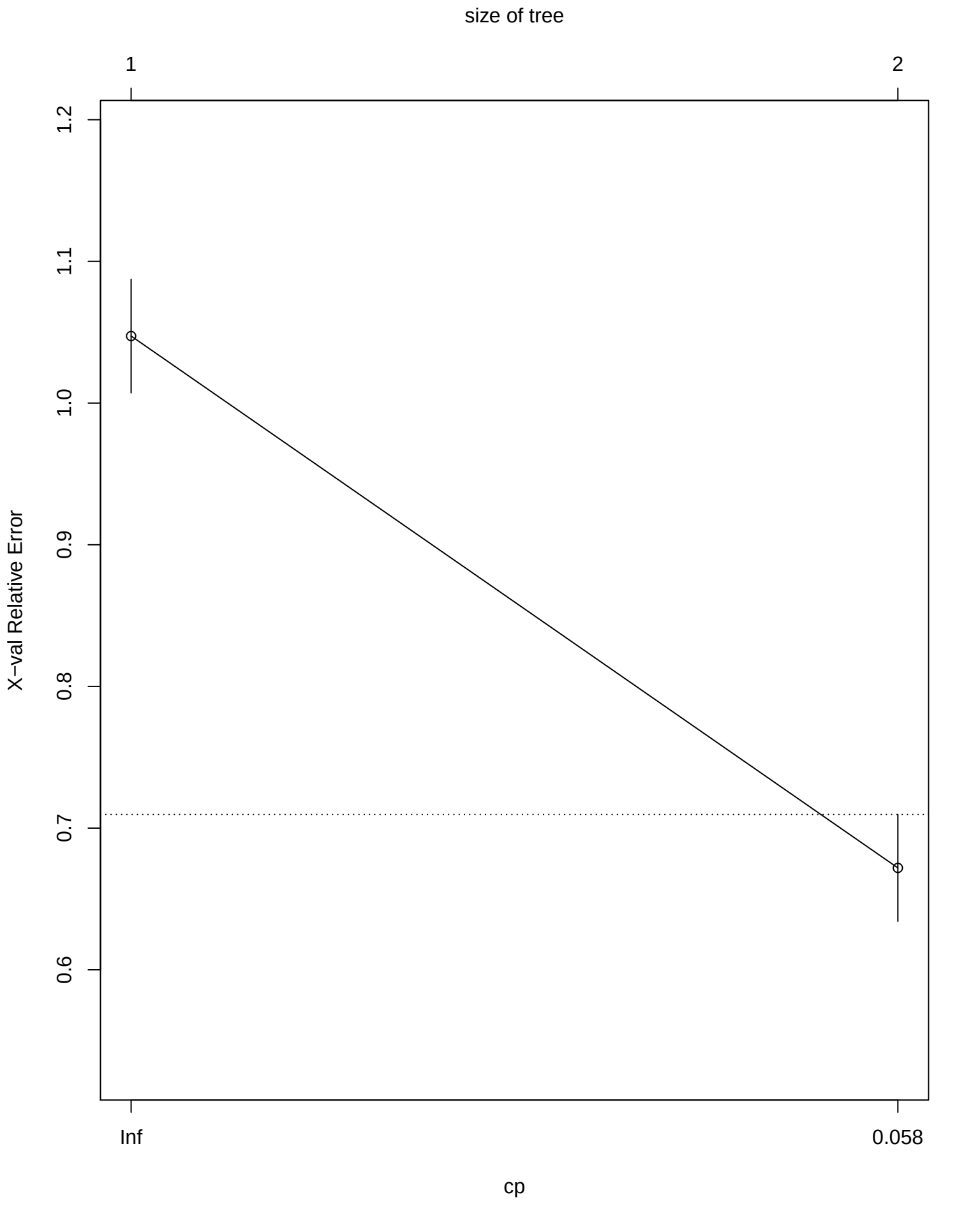
Analysis using Solder as Class Variable in Training Data Set

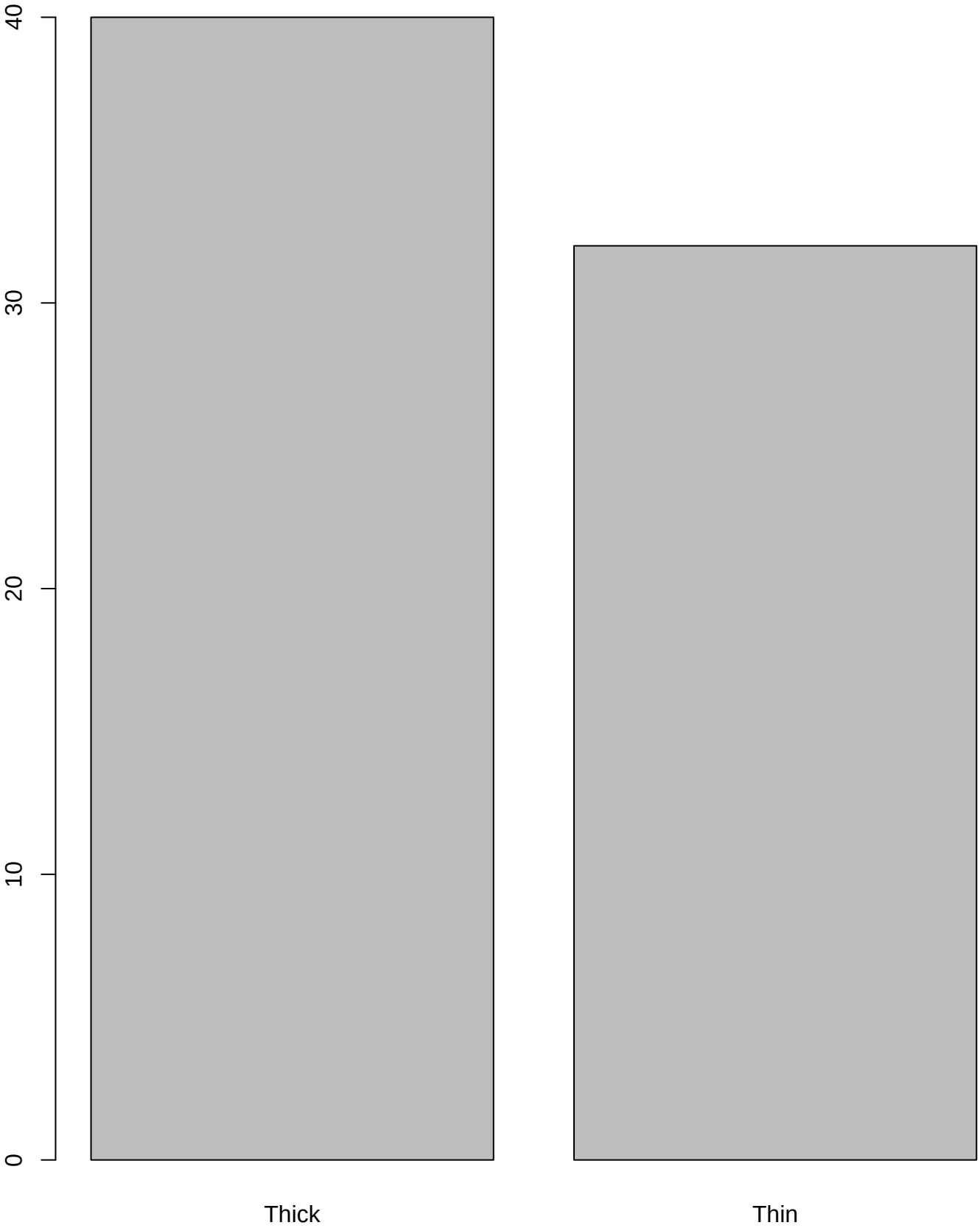

size of tree
1
2
1.2
1.1
1.0
0.9
0.8
0.7
0.6
X−val Relative Error
Inf
0.058
cp

Pruned Tree from Training 90 percent Data



Using Solder Tree in Training Data Set


size of tree
1
2
1.2
1.1
1.0
0.9
0.8
0.7
0.6
X−val Relative Error
Inf
0.058
cp


0
10
20
30
40
Thick
Thin