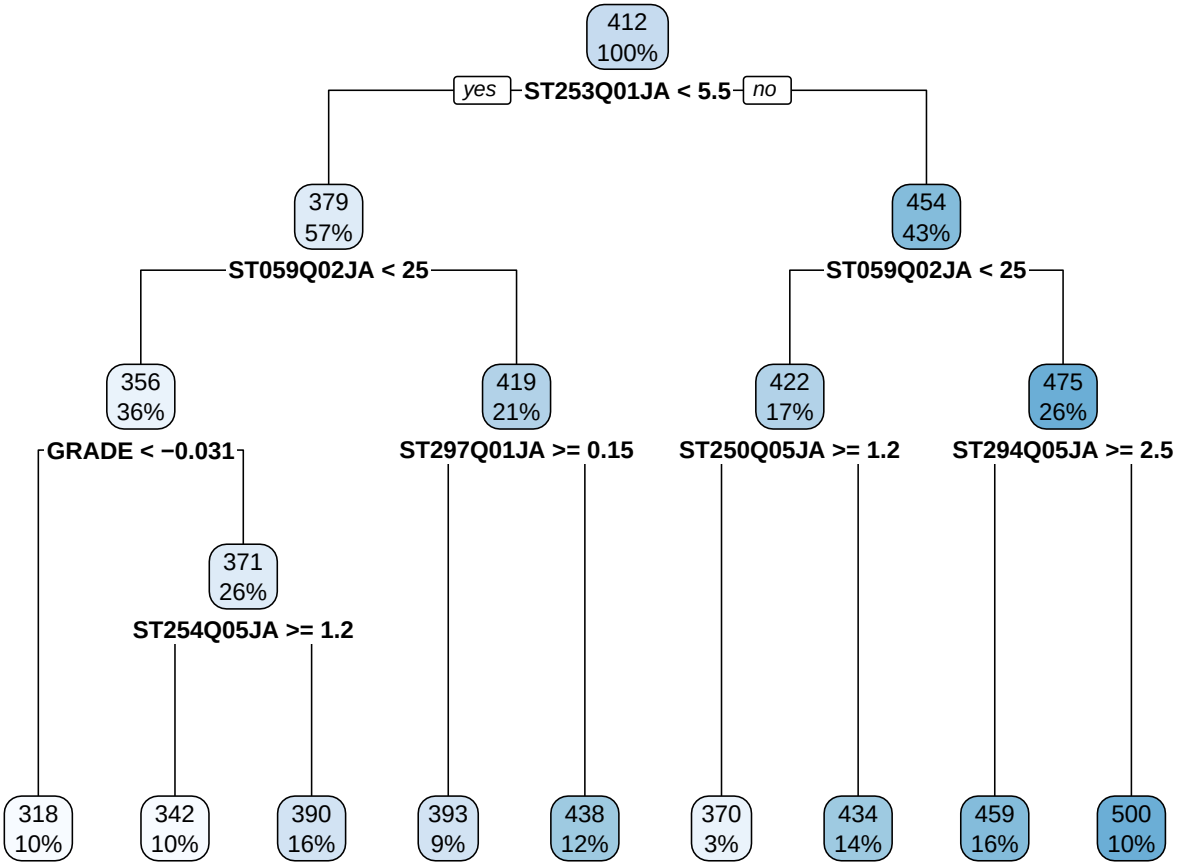
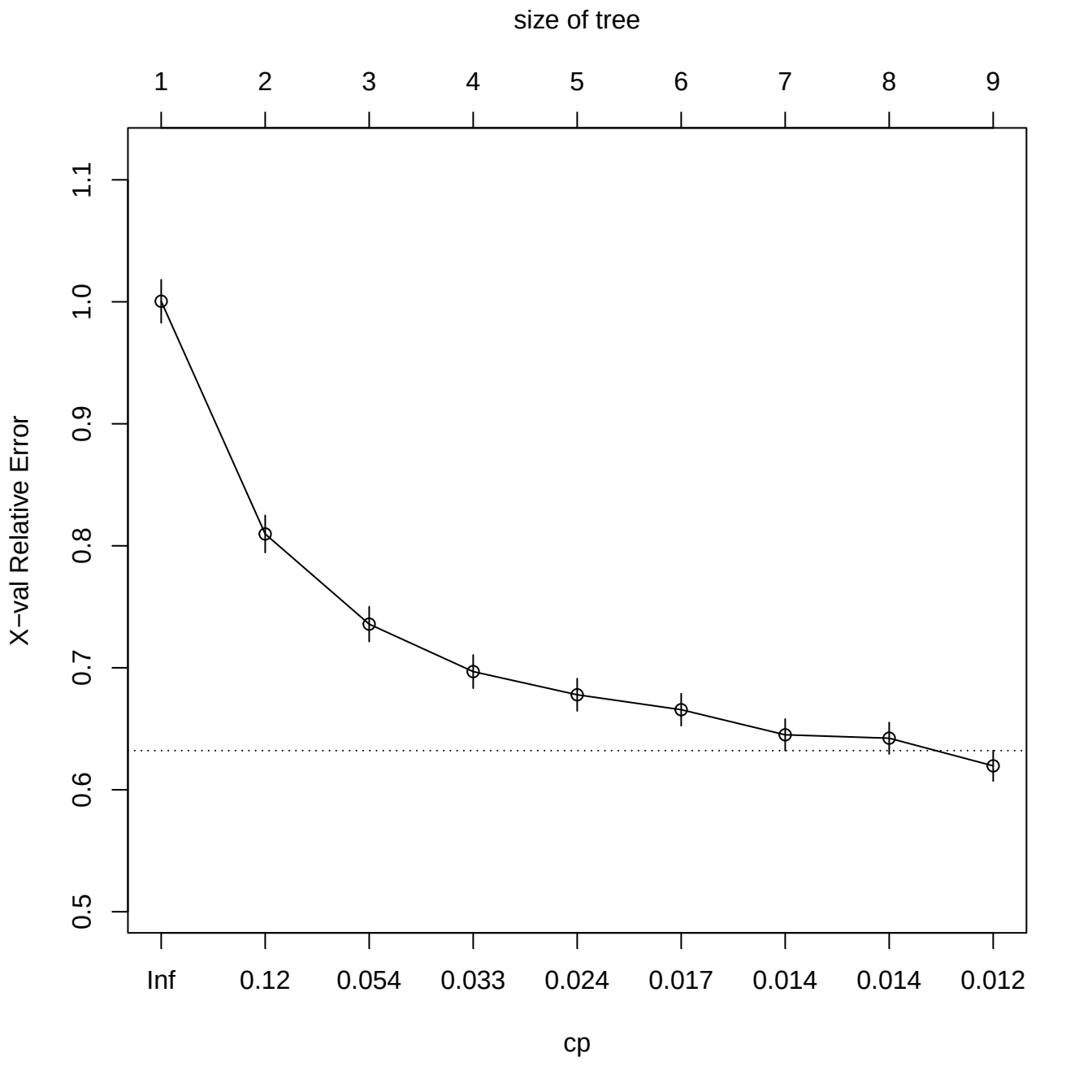
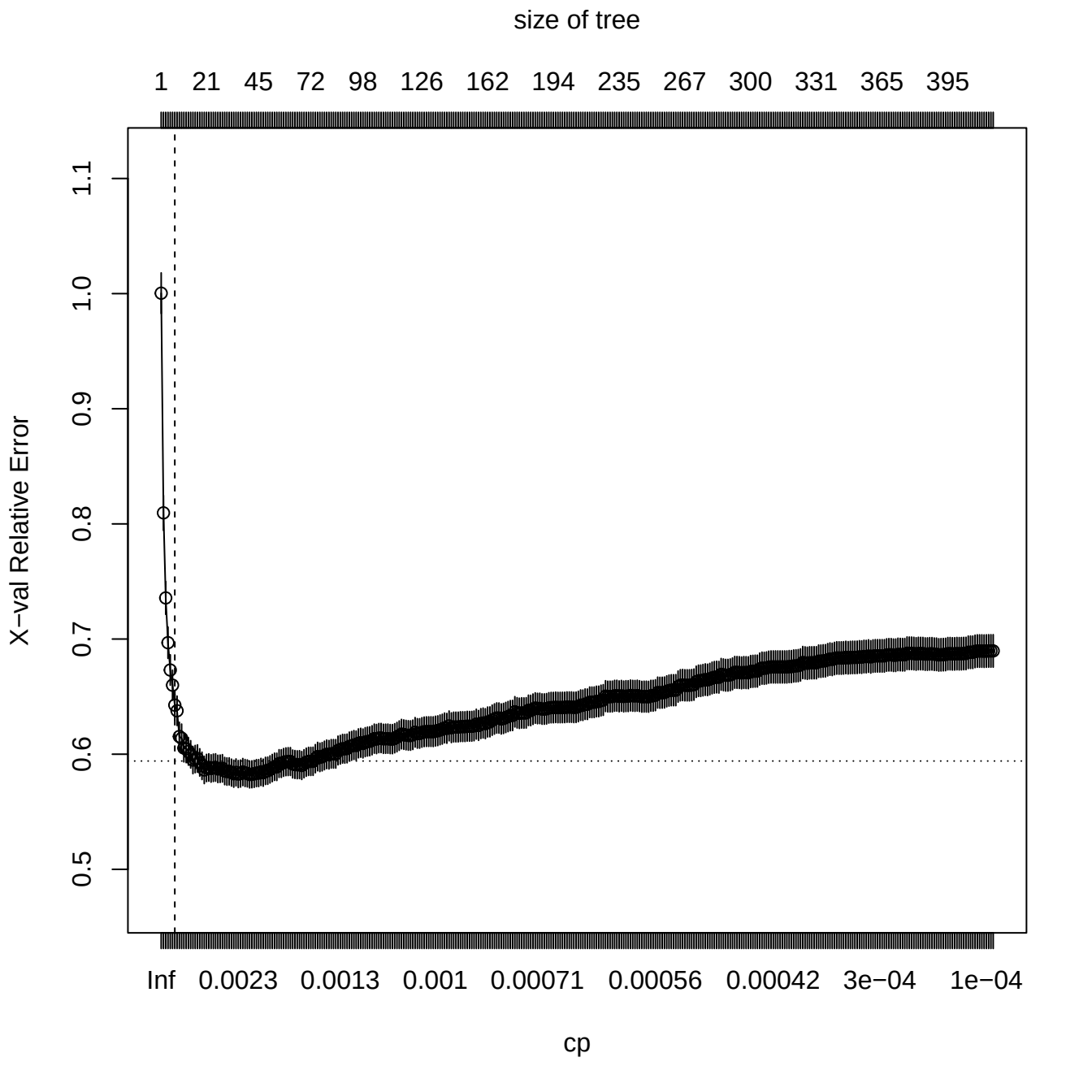
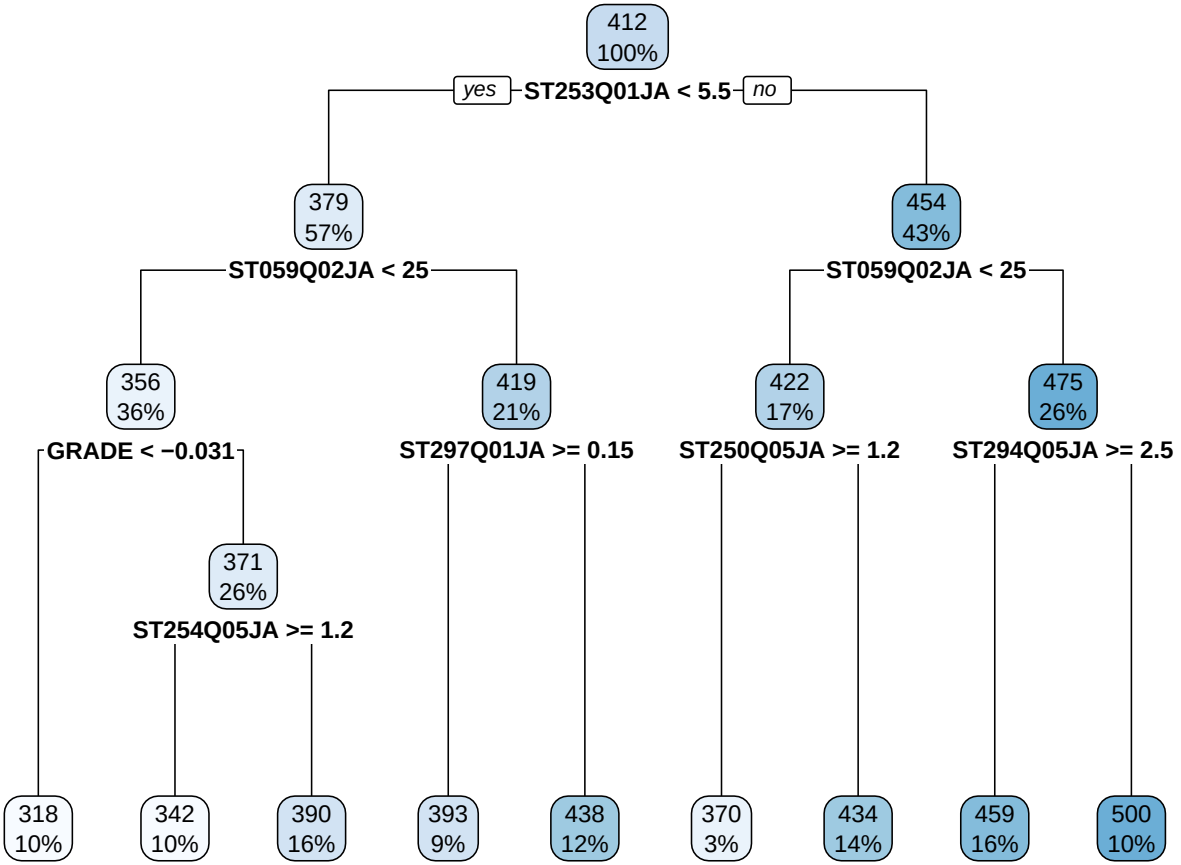
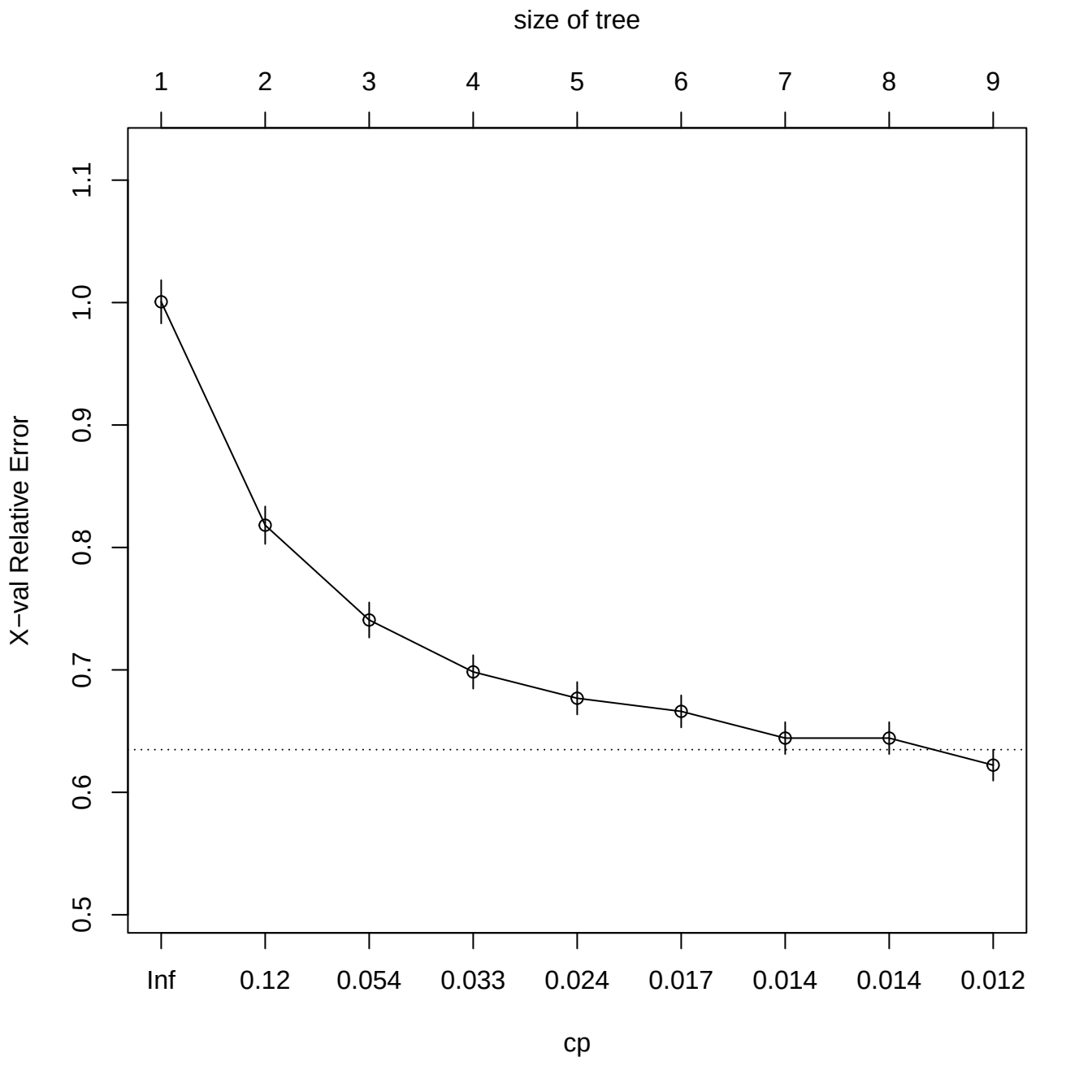
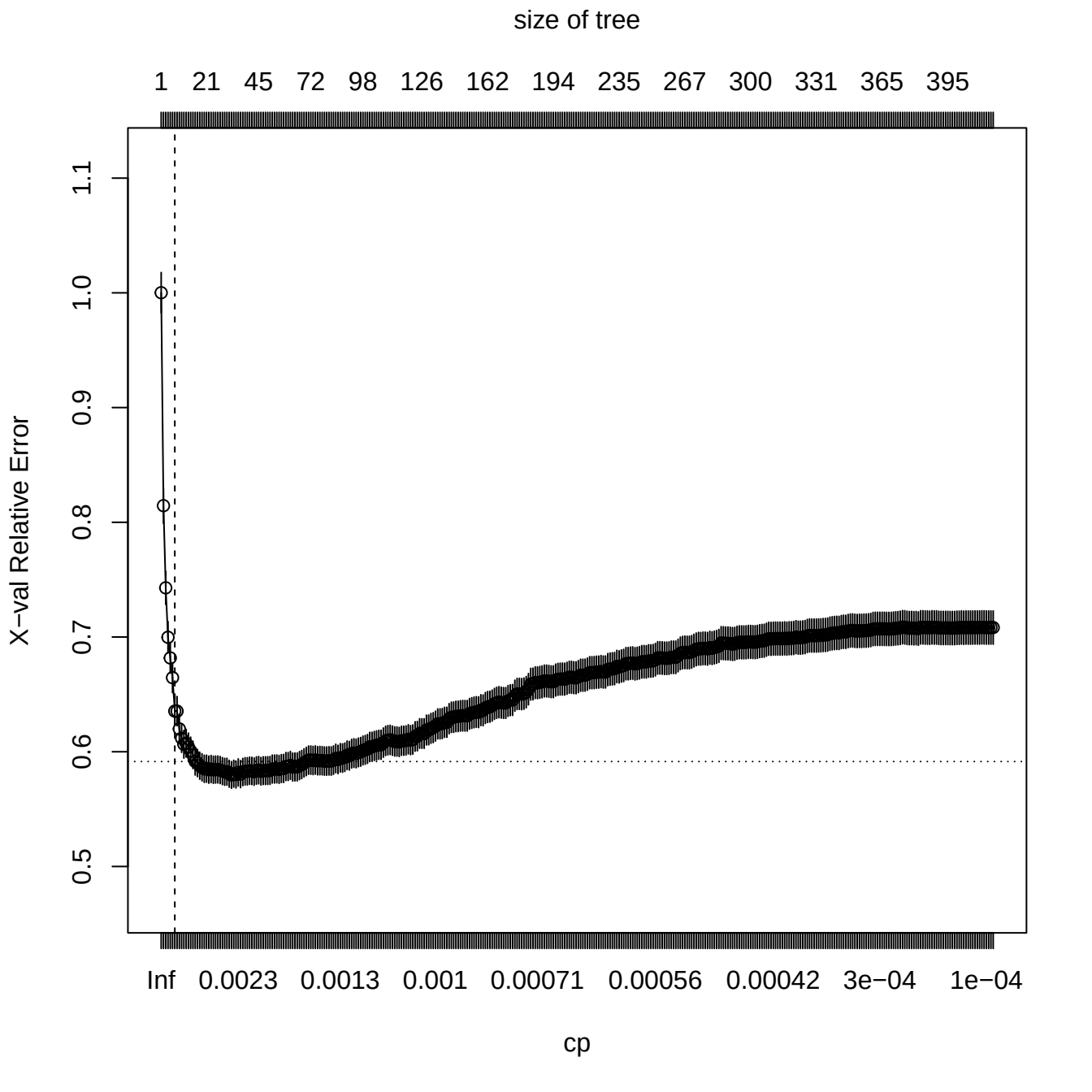

412
100%
yes
ST253Q01JA < 5.5
no
379
57%
454
43%
ST059Q02JA < 25
ST059Q02JA < 25
356
36%
419
21%
422
17%
475
26%
GRADE < −0.031
ST297Q01JA >= 0.15
ST250Q05JA >= 1.2
ST294Q05JA >= 2.5
371
26%
ST254Q05JA >= 1.2
318
10%
342
10%
390
16%
393
9%
438
12%
370
3%
434
14%
459
16%
500
10%

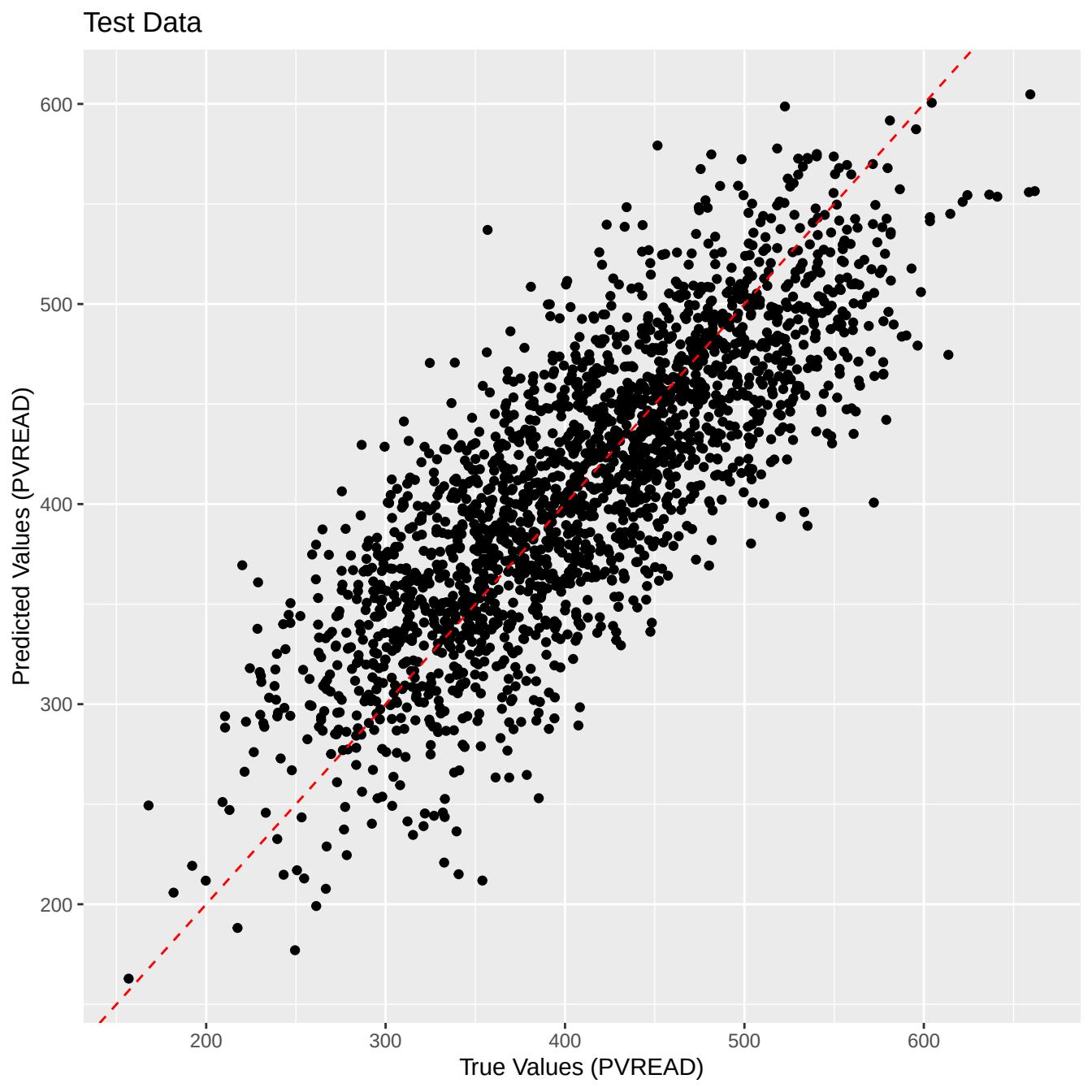

size of tree
1
2
3
4
5
6
7
8
9
X−val Relative Error
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Inf
0.12
0.054
0.033
0.024
0.017
0.014
0.014
0.012
cp

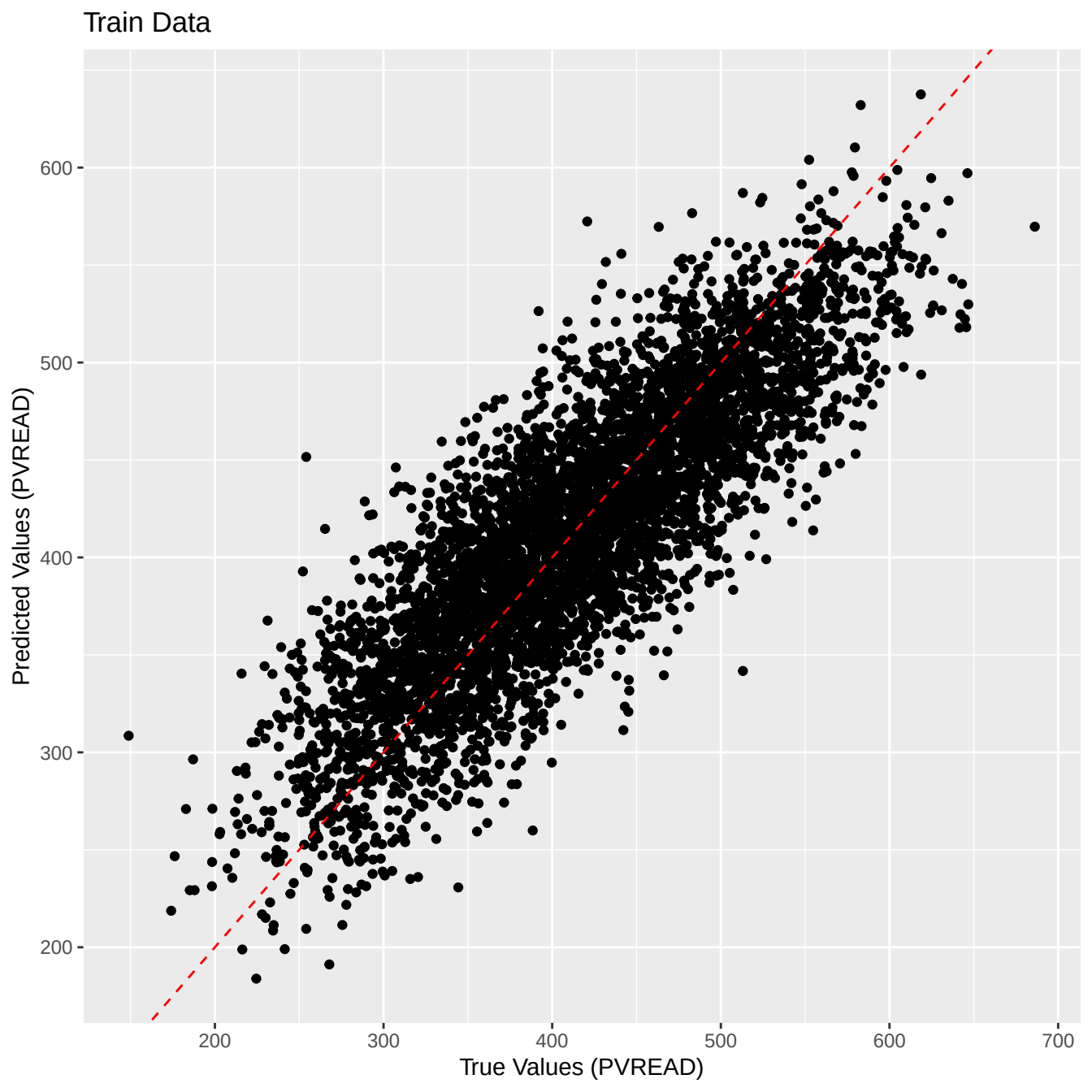

size of tree
1 21 45 72 98 126 162 194 235 267 300 331 365 395
X−val Relative Error
0.5 0.6 0.7 0.8 0.9 1.0 1.1
Inf 0.0023 0.0013 0.001 0.00071 0.00056 0.00042 3e−04 1e−04
cp

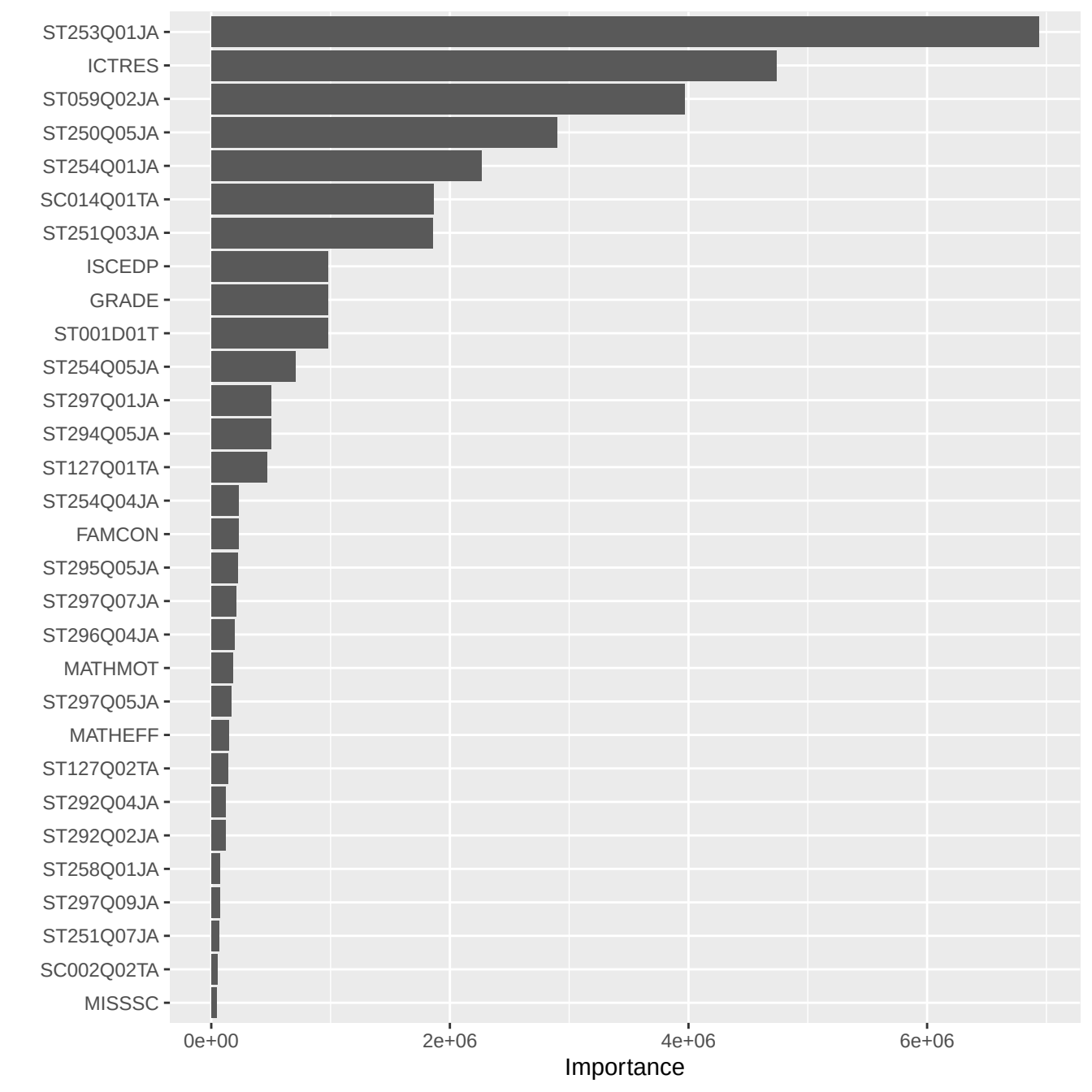

412
100%
yes
ST253Q01JA < 5.5
no
379
57%
454
43%
ST059Q02JA < 25
ST059Q02JA < 25
356
36%
419
21%
422
17%
475
26%
GRADE < −0.031
ST297Q01JA >= 0.15
ST250Q05JA >= 1.2
ST294Q05JA >= 2.5
371
26%
ST254Q05JA >= 1.2
318
10%
342
10%
390
16%
393
9%
438
12%
370
3%
434
14%
459
16%
500
10%

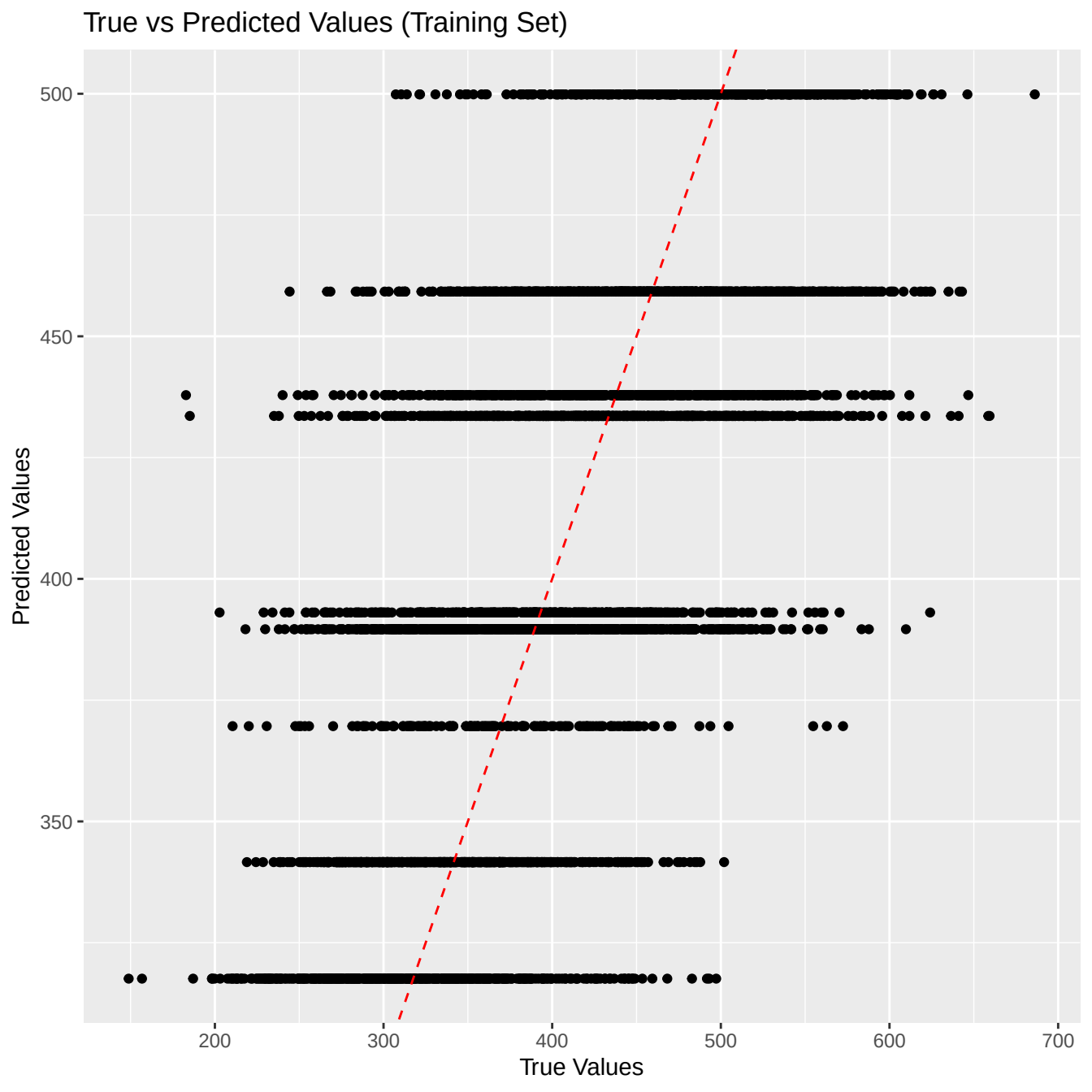

size of tree
1
2
3
4
5
6
7
8
9
X−val Relative Error
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Inf
0.12
0.054
0.033
0.024
0.017
0.014
0.014
0.012
cp

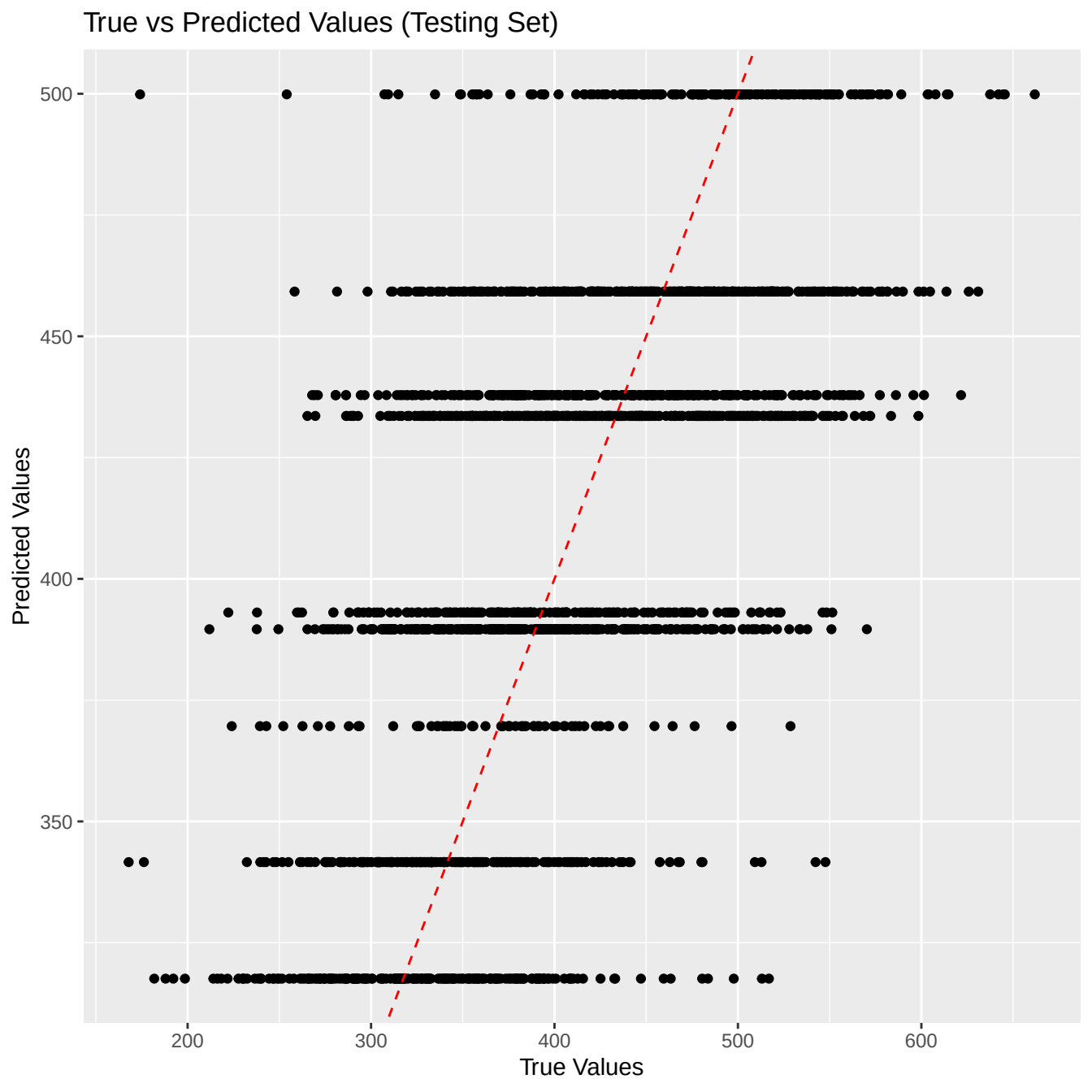

size of tree
1 21 45 72 98 126 162 194 235 267 300 331 365 395
X−val Relative Error
0.5 0.6 0.7 0.8 0.9 1.0 1.1
Inf 0.0023 0.0013 0.001 0.00071 0.00056 0.00042 3e−04 1e−04
cp


Test Data
Predicted Values (PVREAD)
True Values (PVREAD)
600
500
400
300
200
200
300
400
500
600


Train Data
Predicted Values (PVREAD)
True Values (PVREAD)
200
300
400
500
600
700


ST253Q01JA
ICTRES
ST059Q02JA
ST250Q05JA
ST254Q01JA
SC014Q01TA
ST251Q03JA
ISCEDP
GRADE
ST001D01T
ST254Q05JA
ST297Q01JA
ST294Q05JA
ST127Q01TA
ST254Q04JA
FAMCON
ST295Q05JA
ST297Q07JA
ST296Q04JA
MATHMOT
ST297Q05JA
MATHEFF
ST127Q02TA
ST292Q04JA
ST292Q02JA
ST258Q01JA
ST297Q09JA
ST251Q07JA
SC002Q02TA
MISSSC
0e+00
2e+06
4e+06
6e+06
Importance


True vs Predicted Values (Training Set)
Predicted Values
True Values
500
450
400
350
200
300
400
500
600
700


True vs Predicted Values (Testing Set)
Predicted Values
True Values
500
450
400
350
200
300
400
500
600