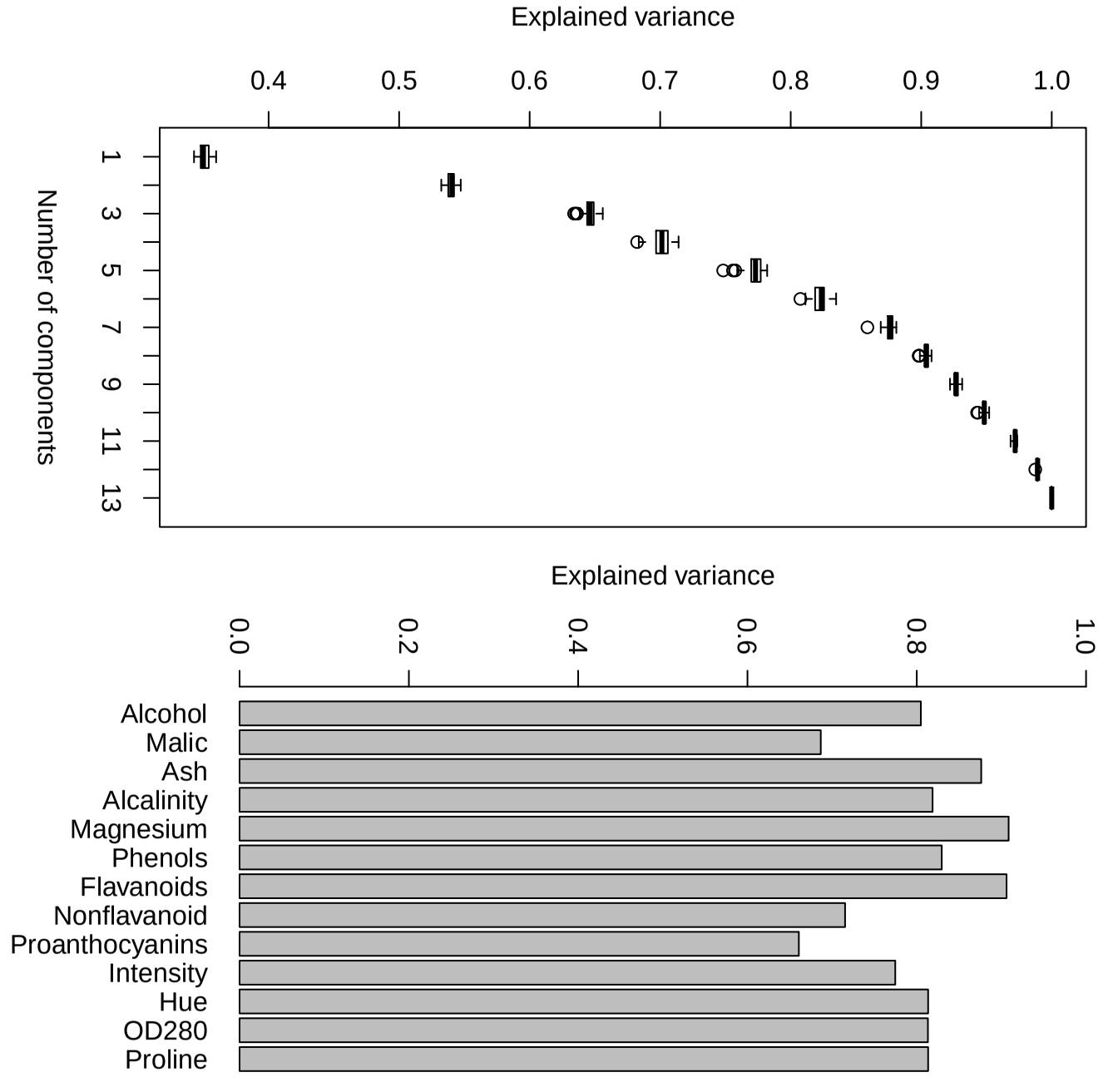
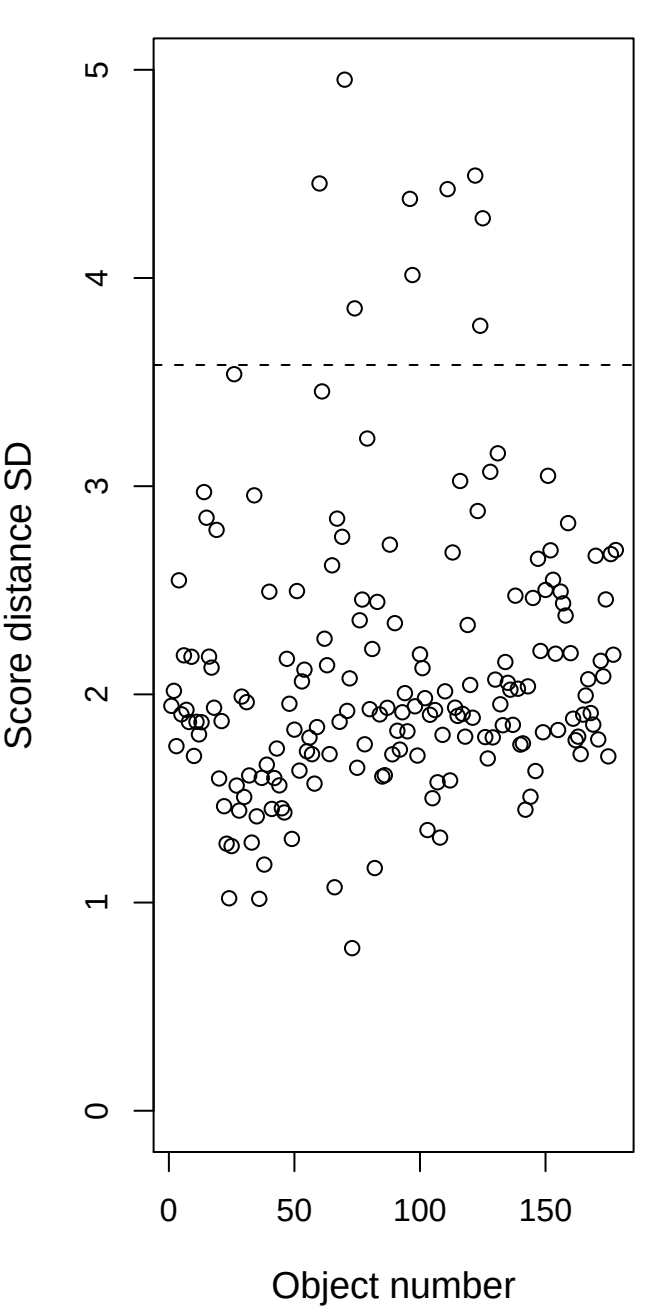
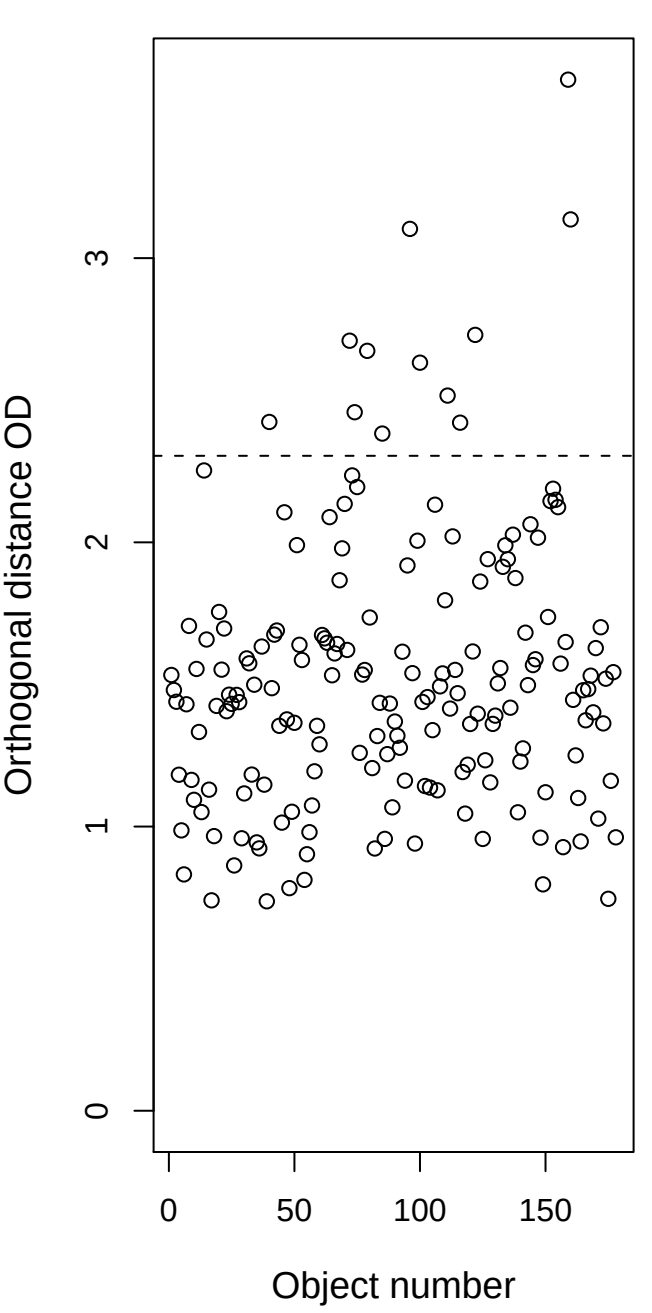
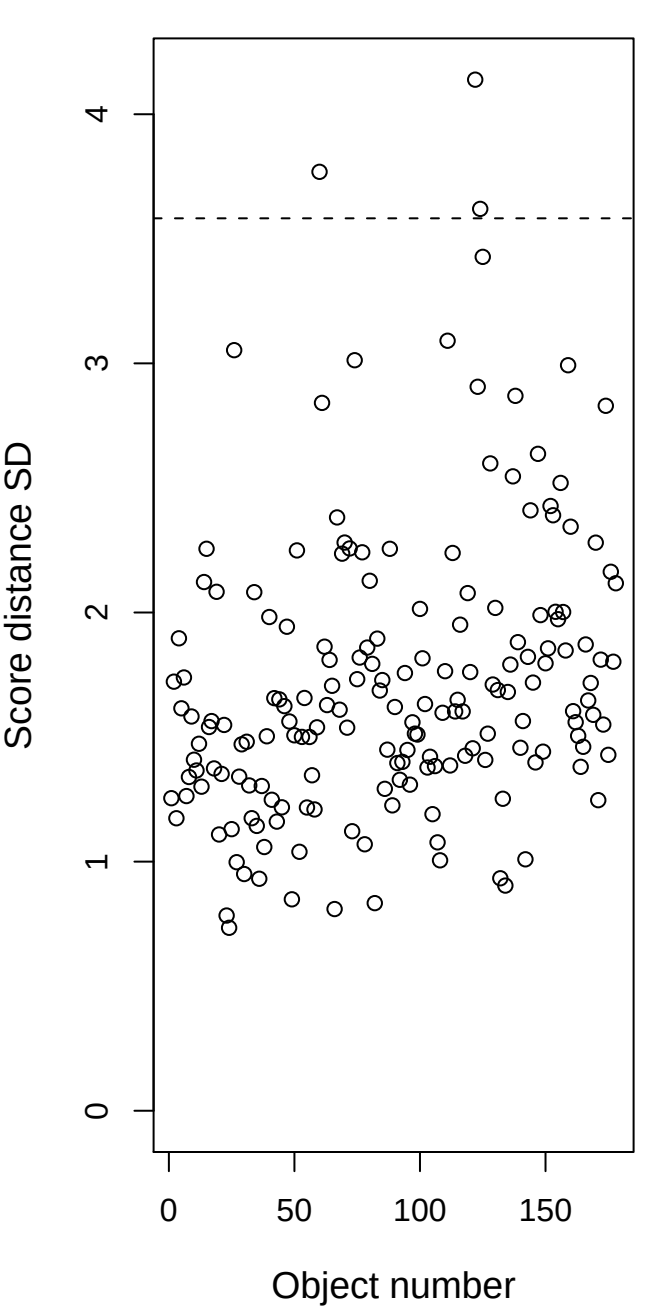
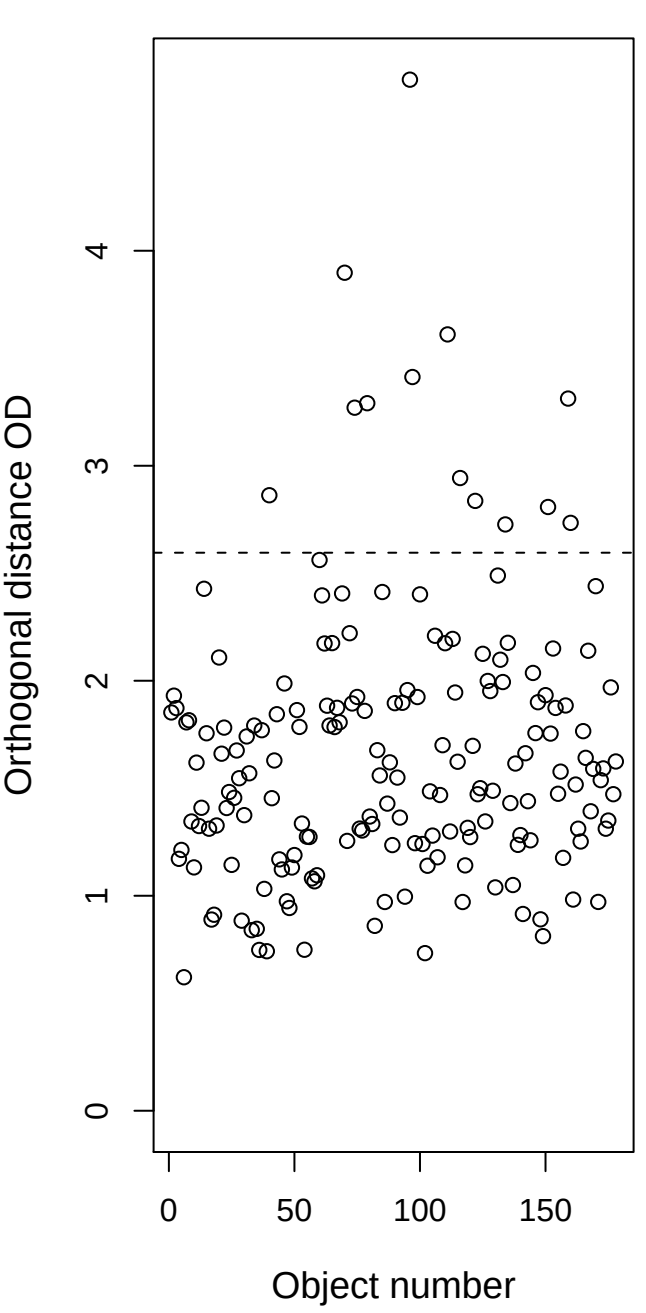
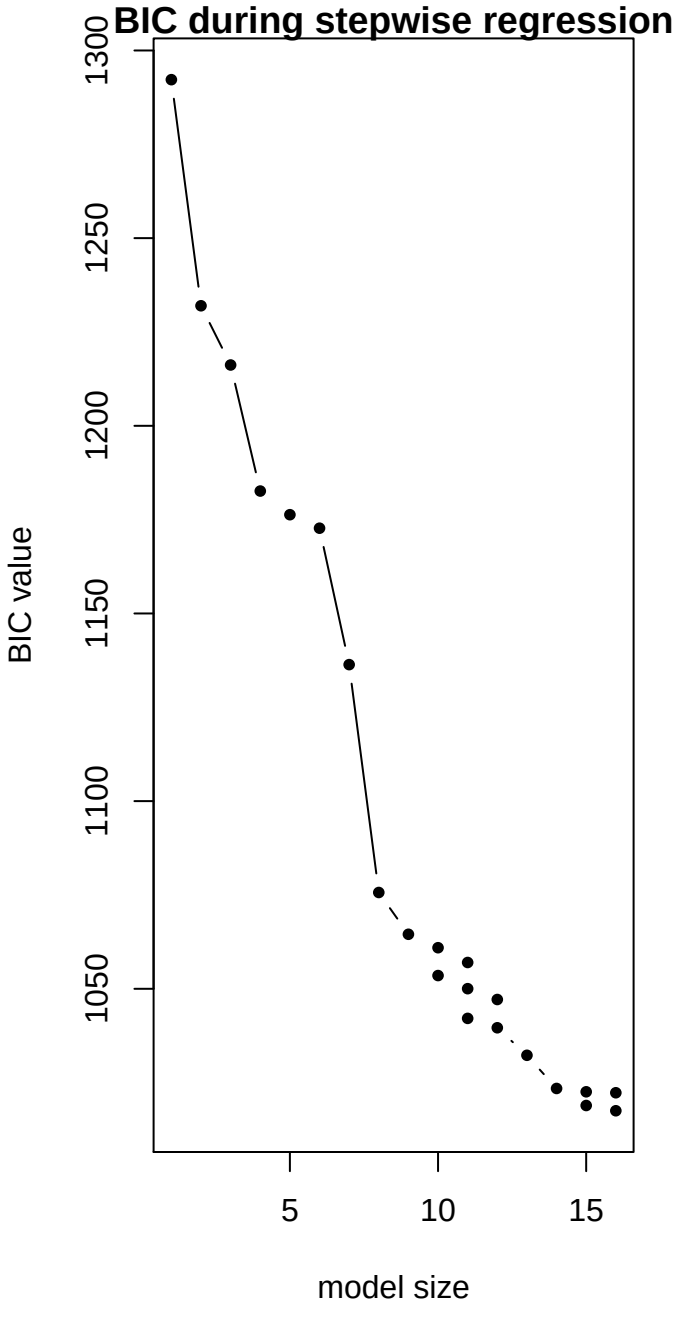

Explained variance
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Number of components
1
3
5
7
9
11
13
Explained variance
0.0
0.2
0.4
0.6
0.8
1.0
Alcohol
Malic
Ash
Alcalinity
Magnesium
Phenols
Flavanoids
Nonflavanoid
Proanthocyanins
Intensity
Hue
OD280
Proline

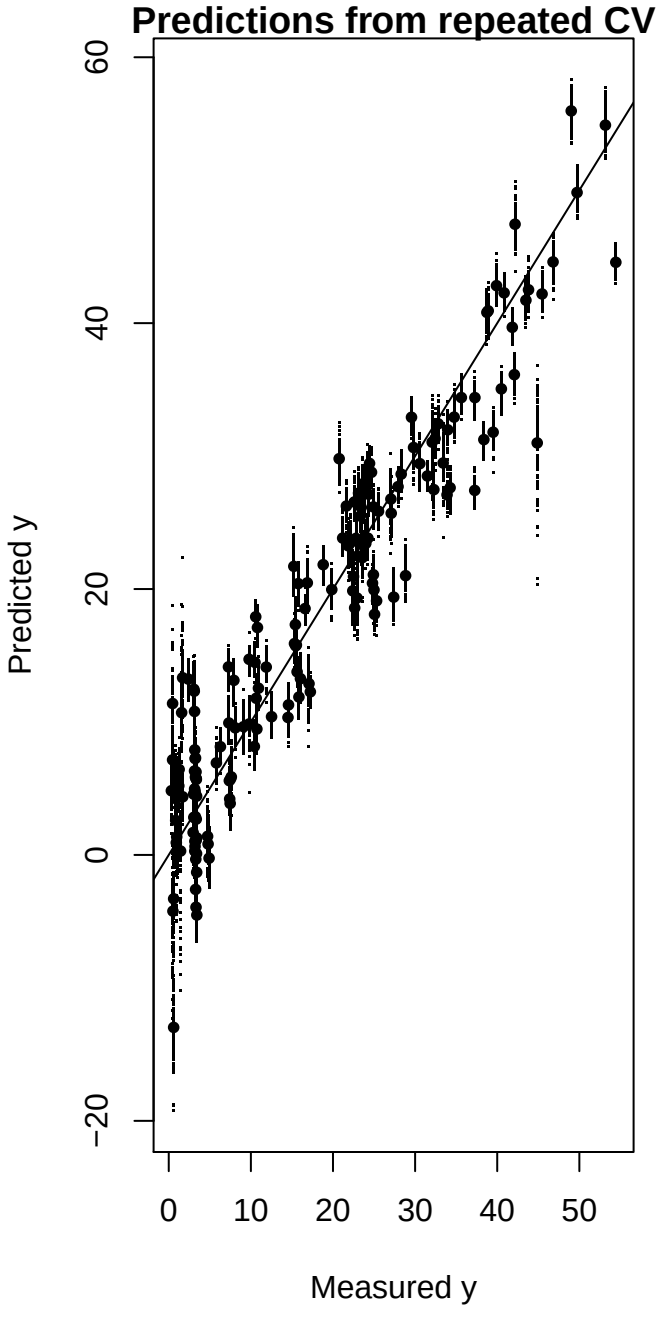

Score distance SD
0
1
2
3
4
5
0
50
100
150
Object number

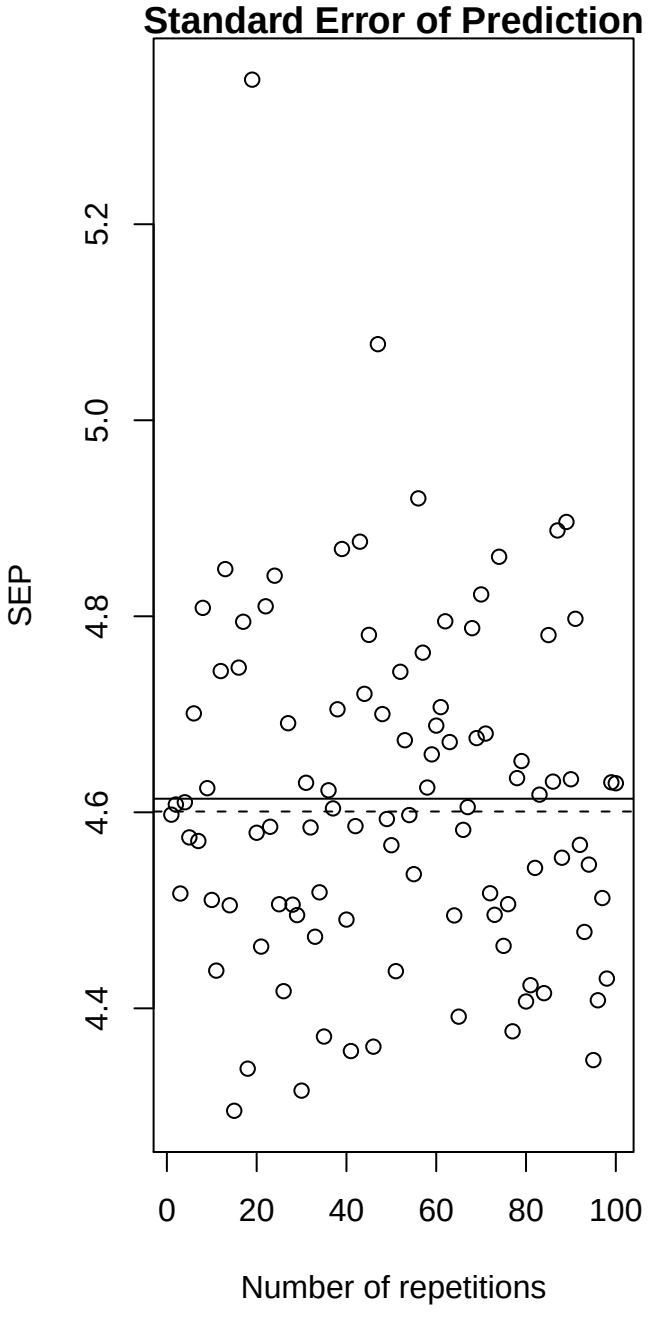

Orthogonal distance OD
0
1
2
3
0
50
100
150
Object number

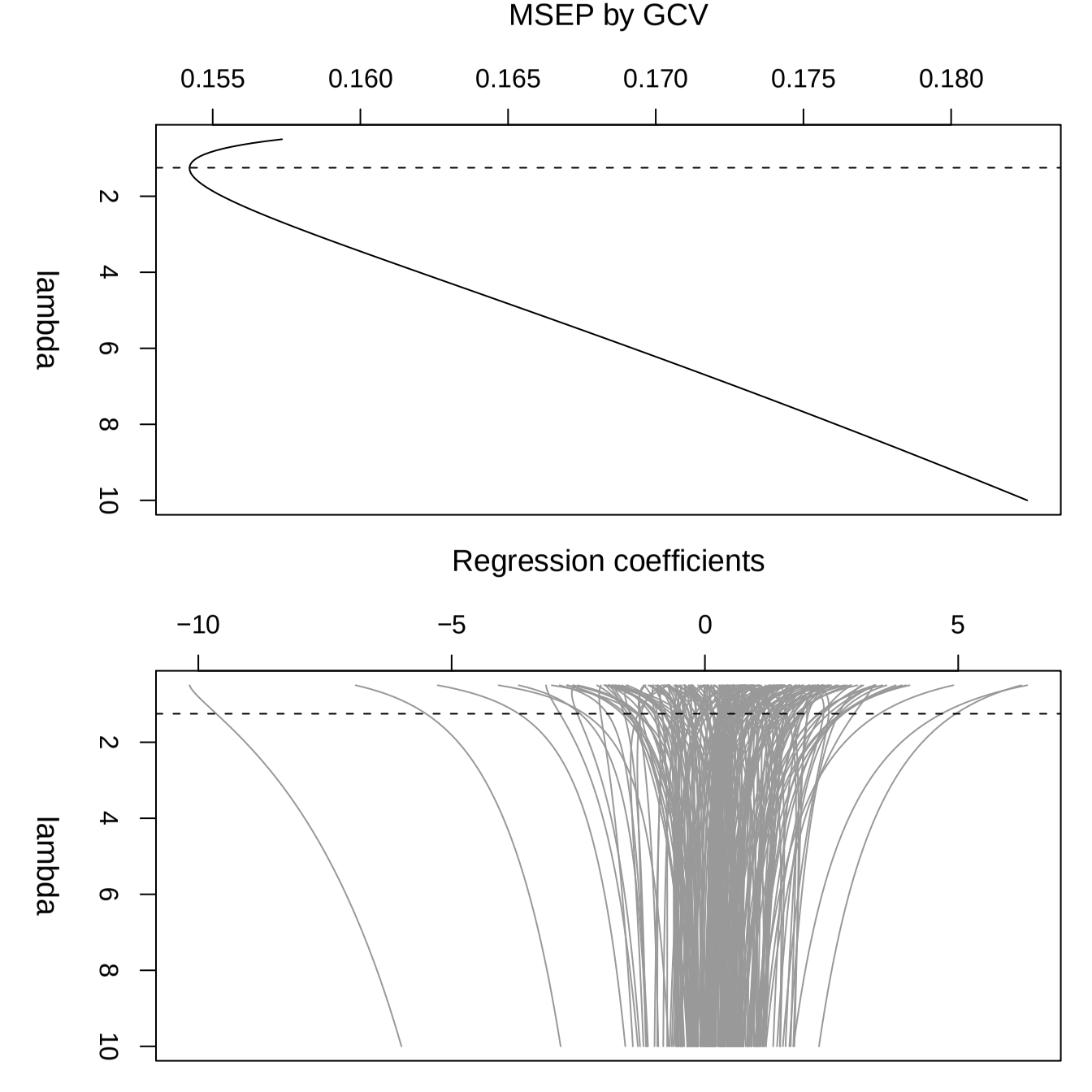

Score distance SD
0
1
2
3
4
0
50
100
150
Object number

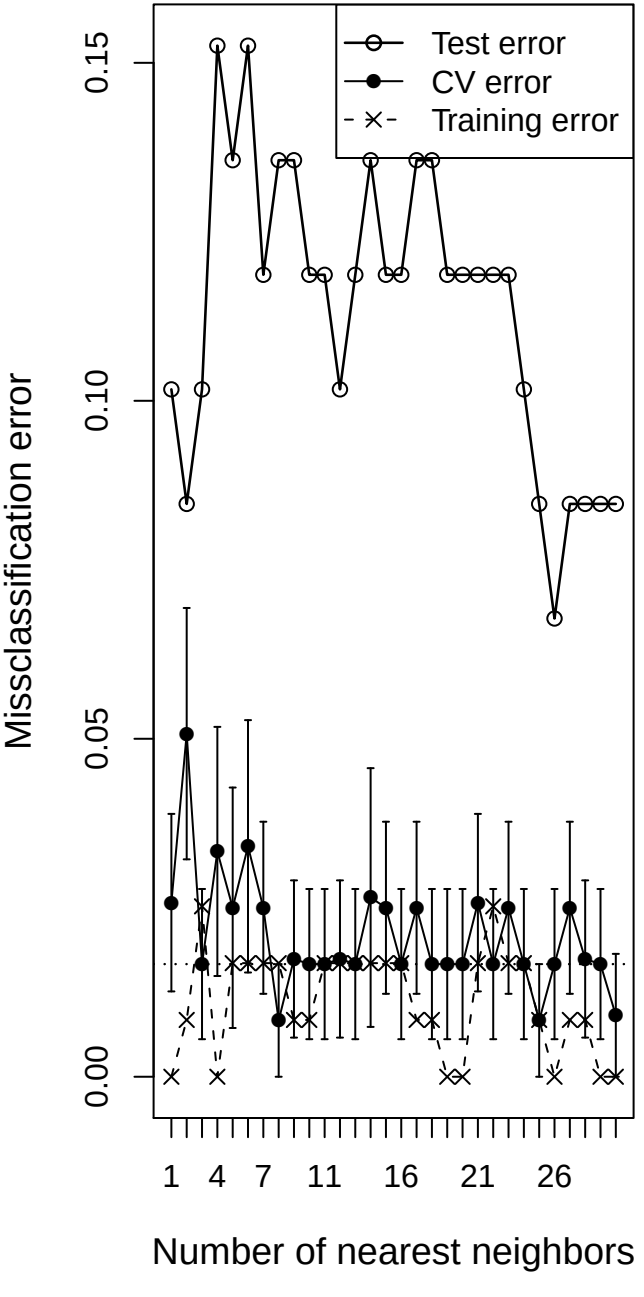

Orthogonal distance OD
0
1
2
3
4
0
50
100
150
Object number


BIC during stepwise regression
BIC value
1300
1250
1200
1150
1100
1050
5
10
15
model size

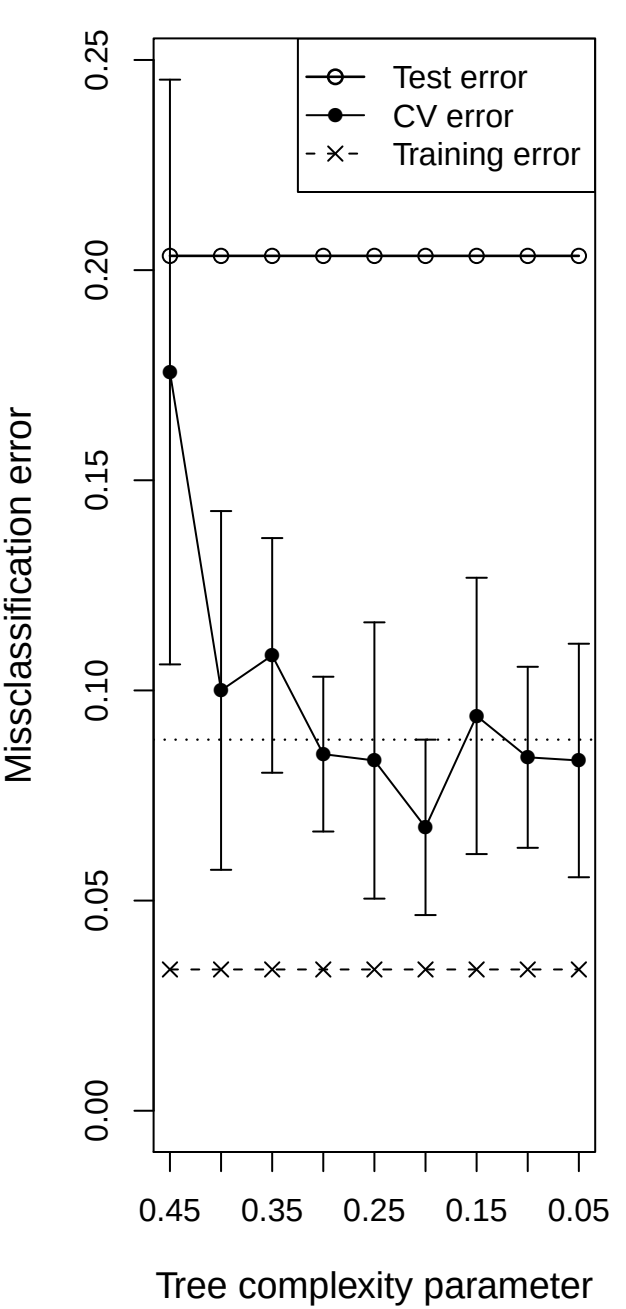

Predictions from repeated CV
Predicted y
Measured y
−20
0
20
40
60
0
10
20
30
40
50


Standard Error of Prediction
SEP
Number of repetitions
4.4
4.6
4.8
5.0
5.2
0
20
40
60
80
100


MSEP by GCV
0.155
0.160
0.165
0.170
0.175
0.180
lambda
2
4
6
8
10
Regression coefficients
−10
−5
0
5
lambda
2
4
6
8
10


Test error
CV error
Training error
Missclassification error
0.00
0.05
0.10
0.15
1
4
7
11
16
21
26
Number of nearest neighbors

Full Tree
X.Proline>=0.02574
avanoids>=0.1359
X.OD280>=−0.6996
1
3
2
X.Hue>=−0.25
2
3


Test error
CV error
Training error
Missclassification error
0.00
0.05
0.10
0.15
0.20
0.25
0.45
0.35
0.25
0.15
0.05
Tree complexity parameter