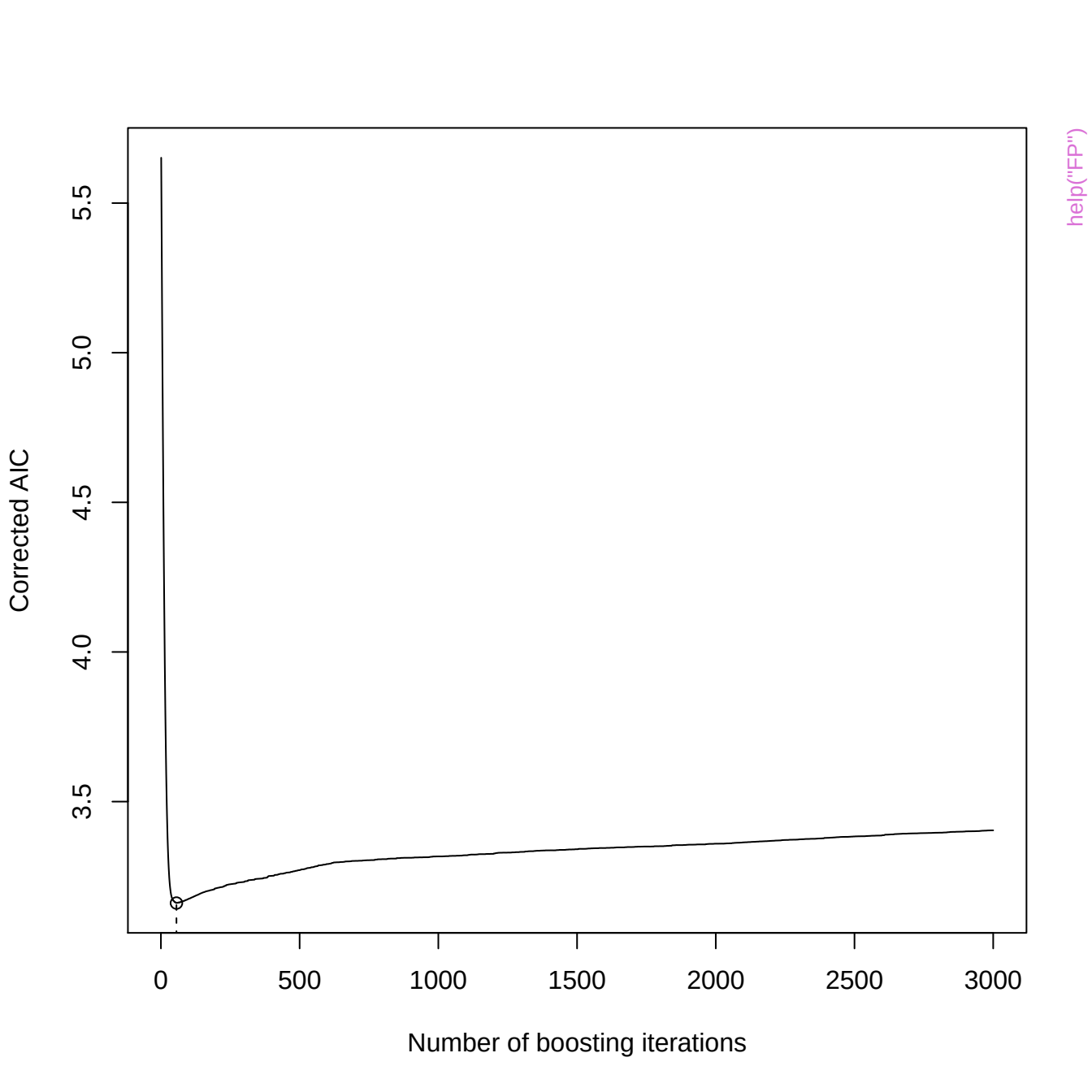
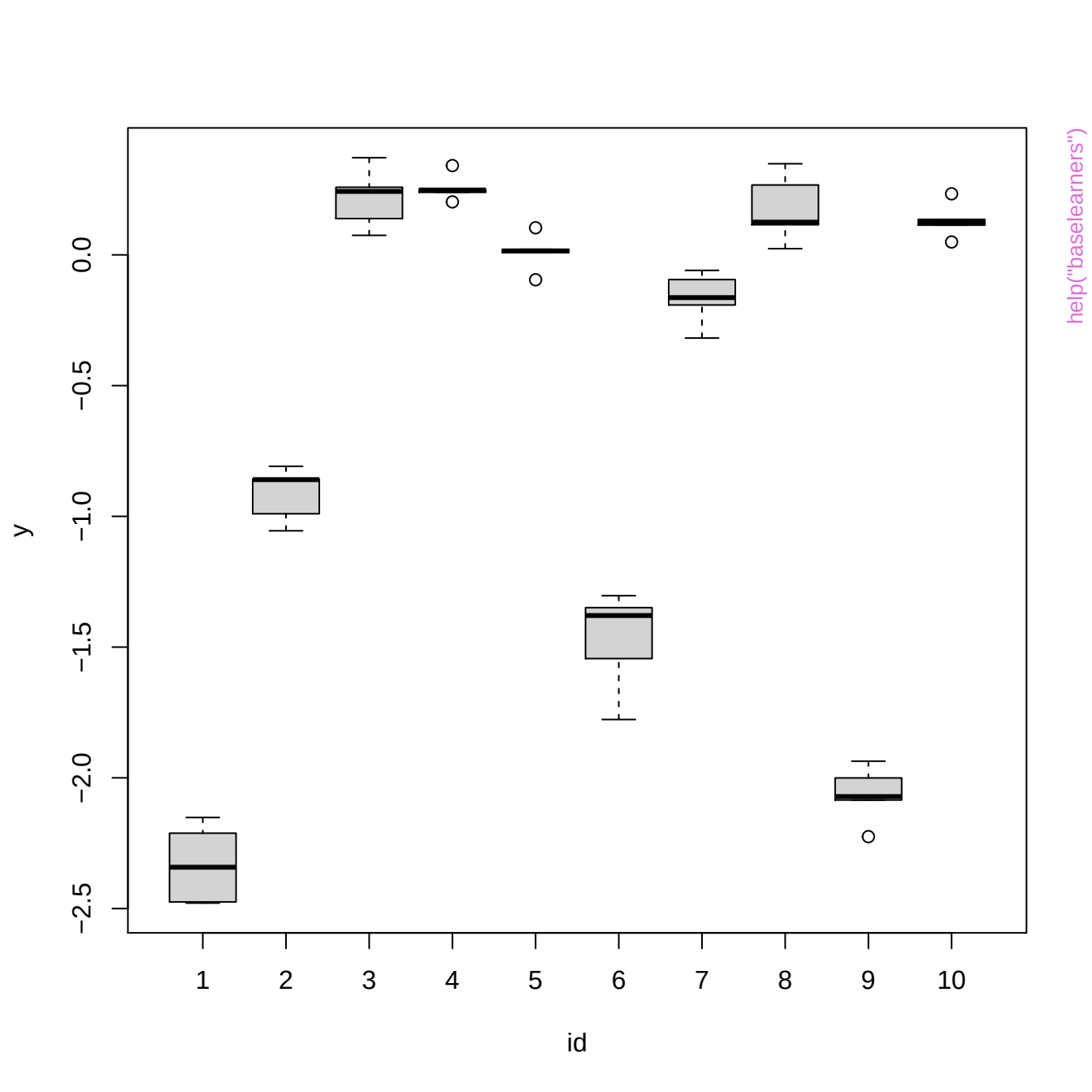
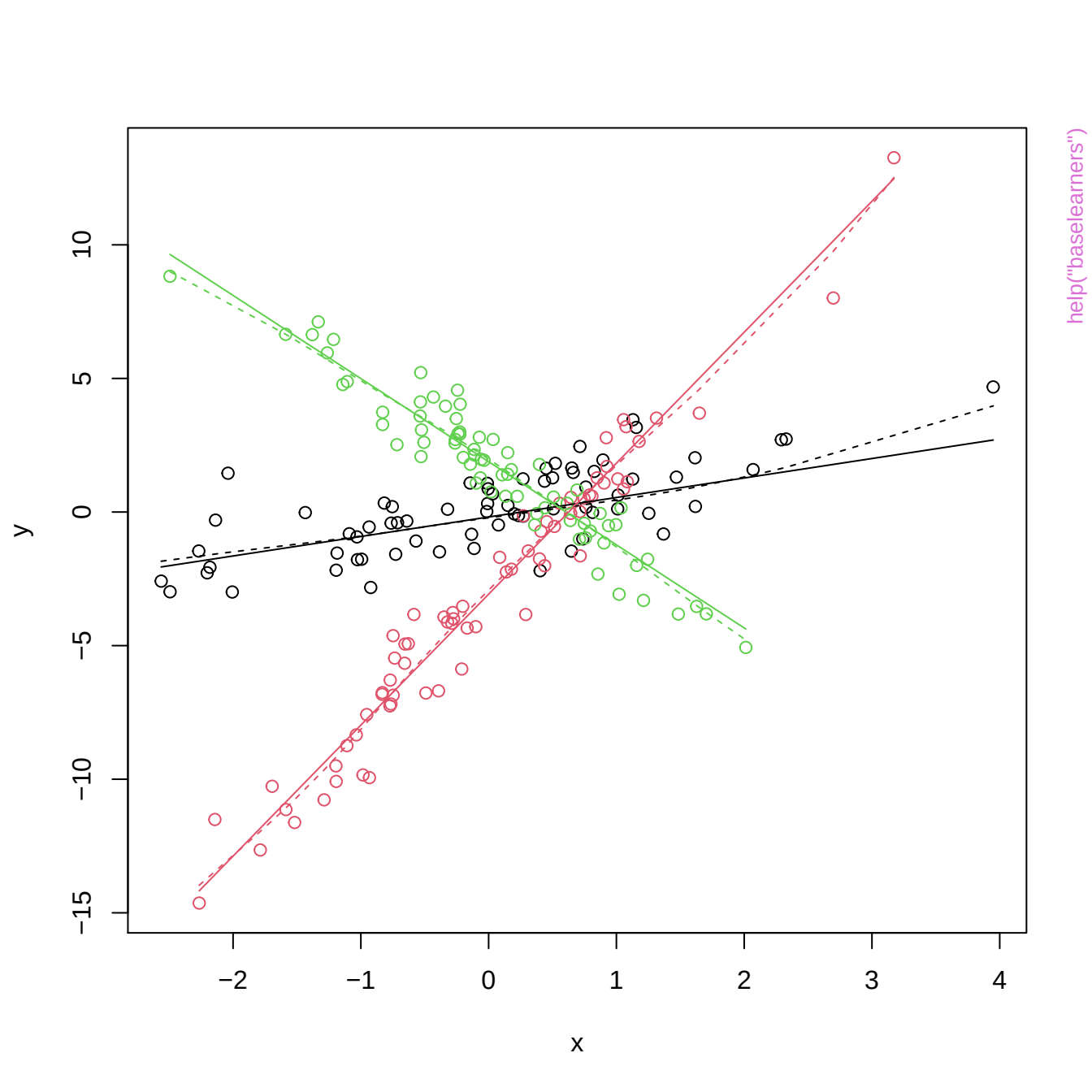
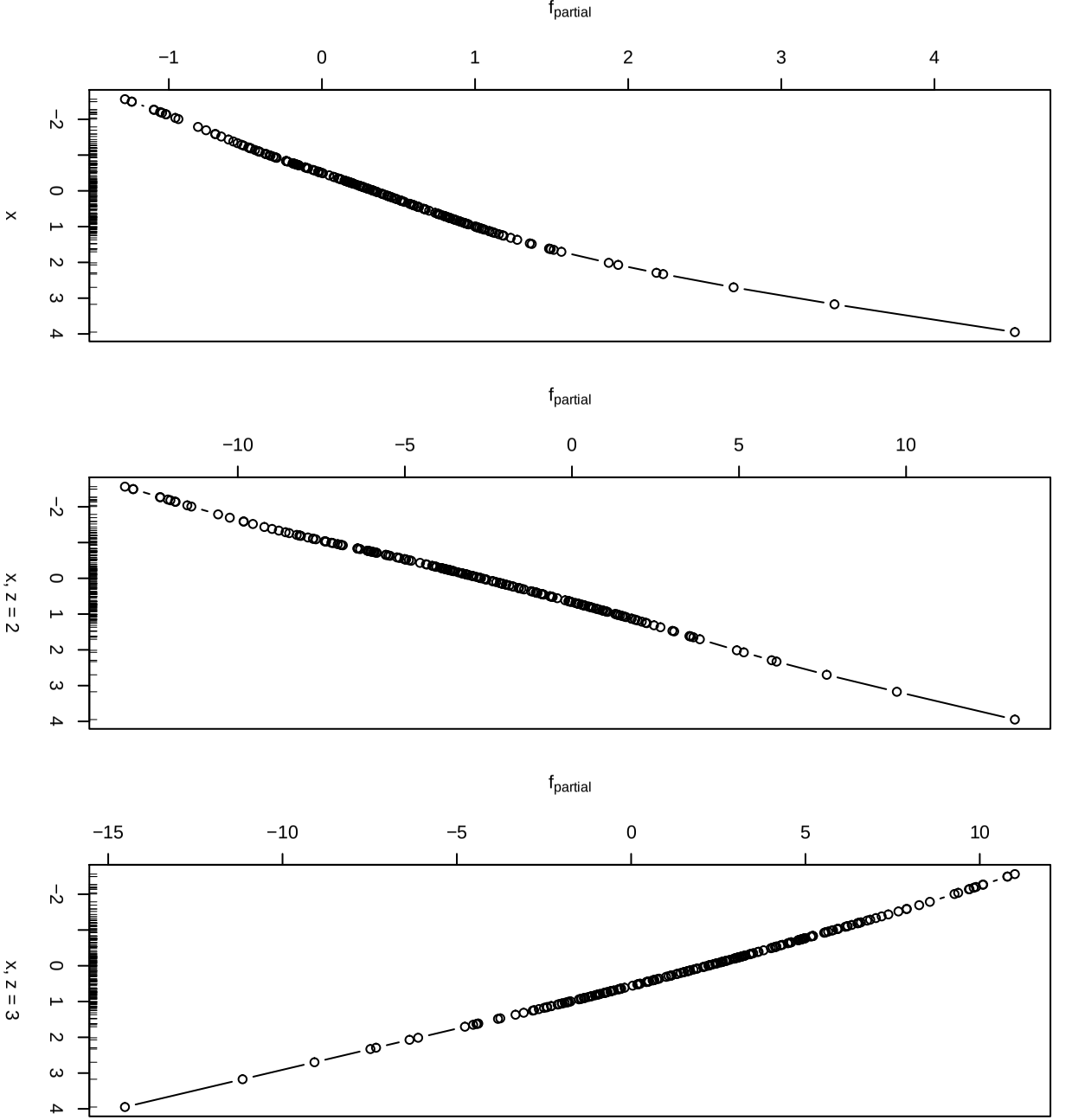
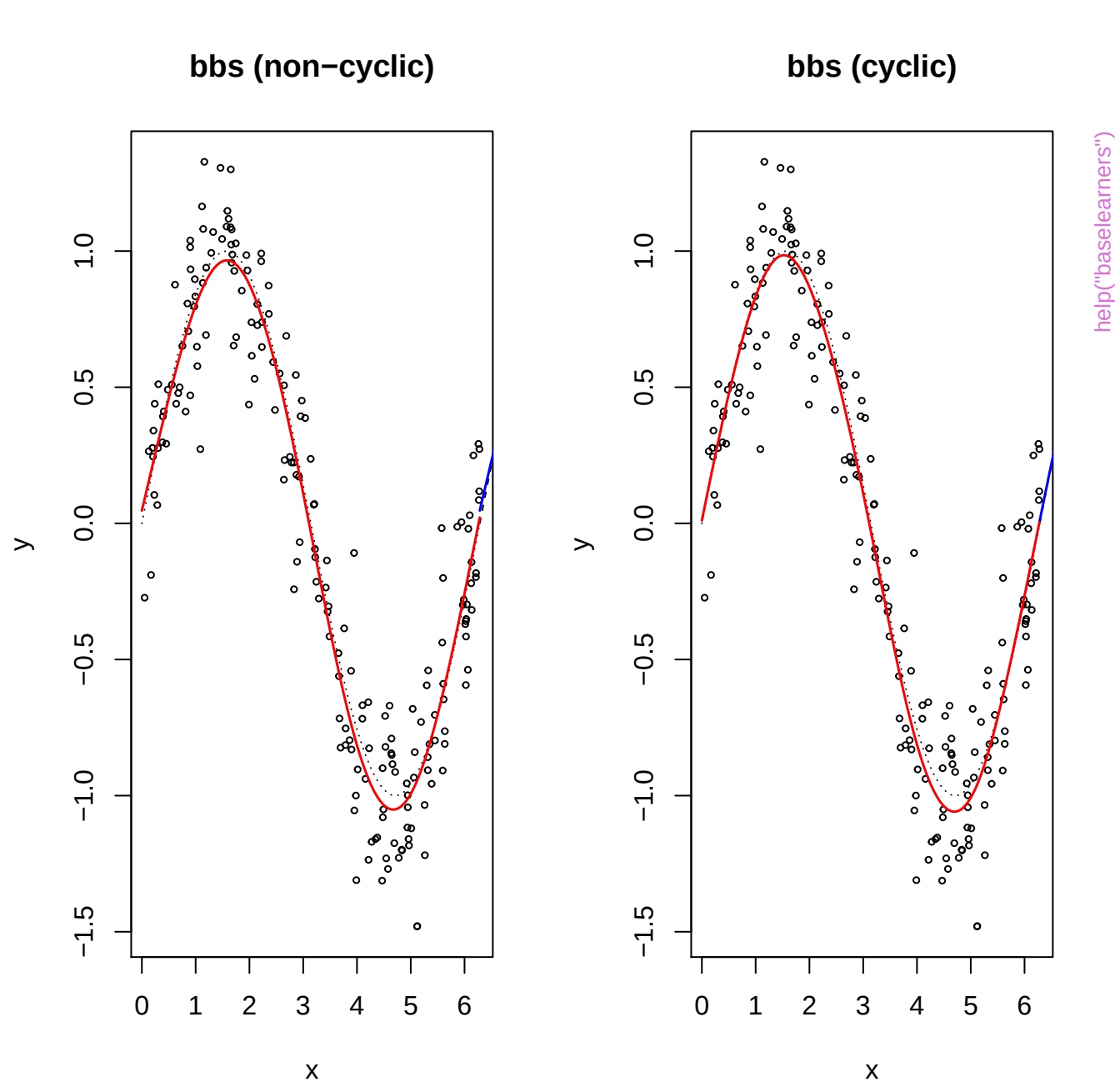
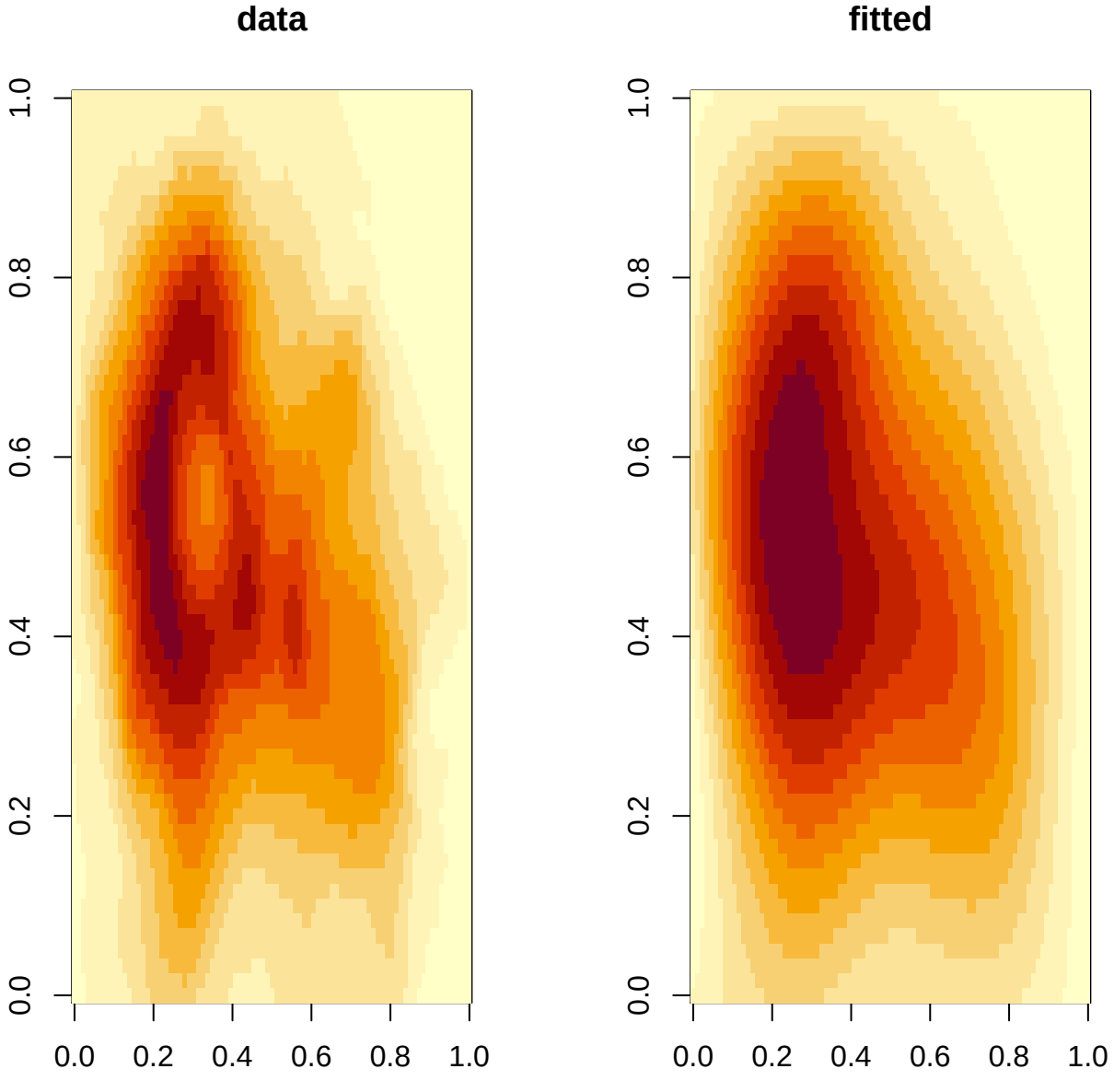

Corrected AIC
3.5
4.0
4.5
5.0
5.5
0
500
1000
1500
2000
2500
3000
Number of boosting iterations
help("FP")

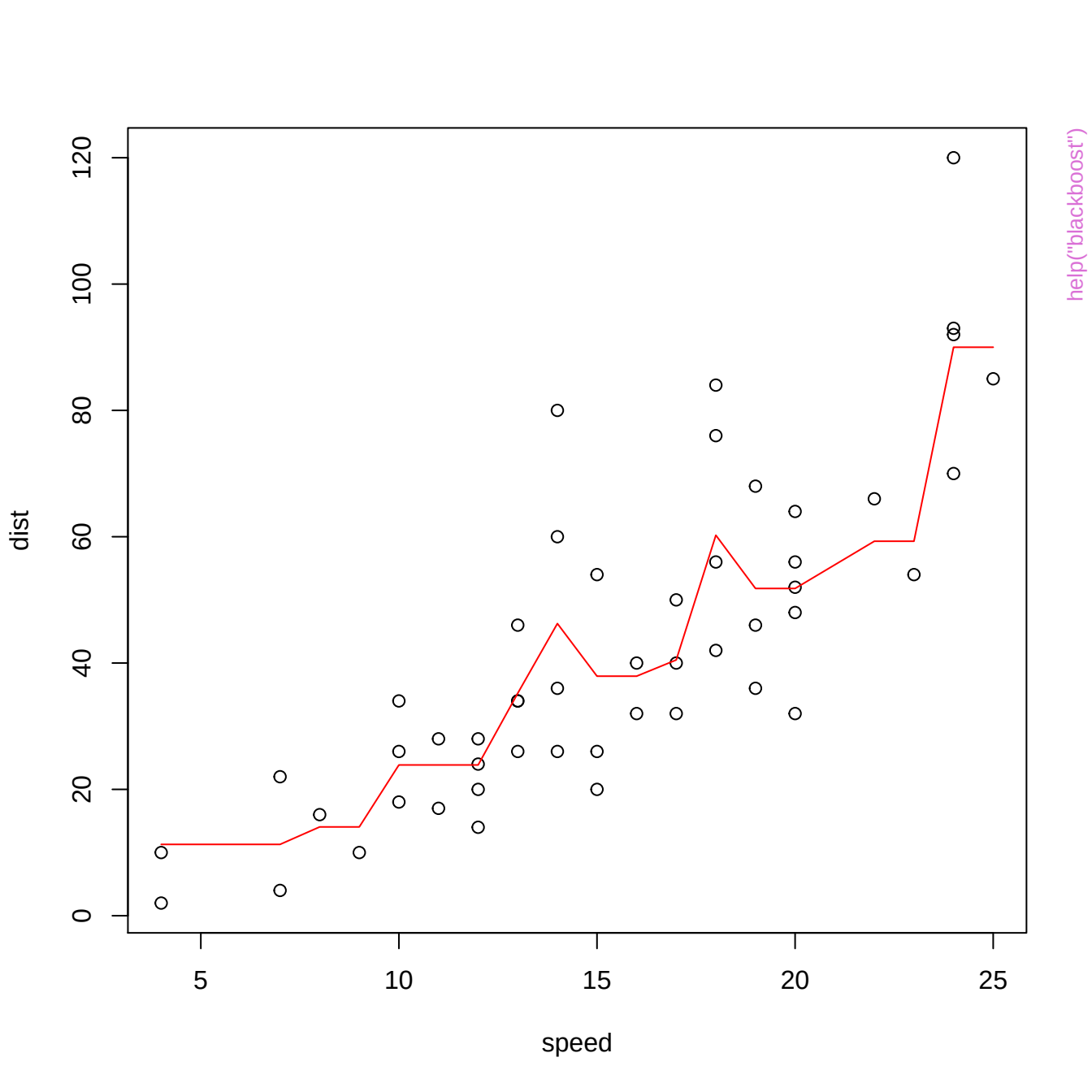

y
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
1
2
3
4
5
6
7
8
9
10
id
help("baselearners")

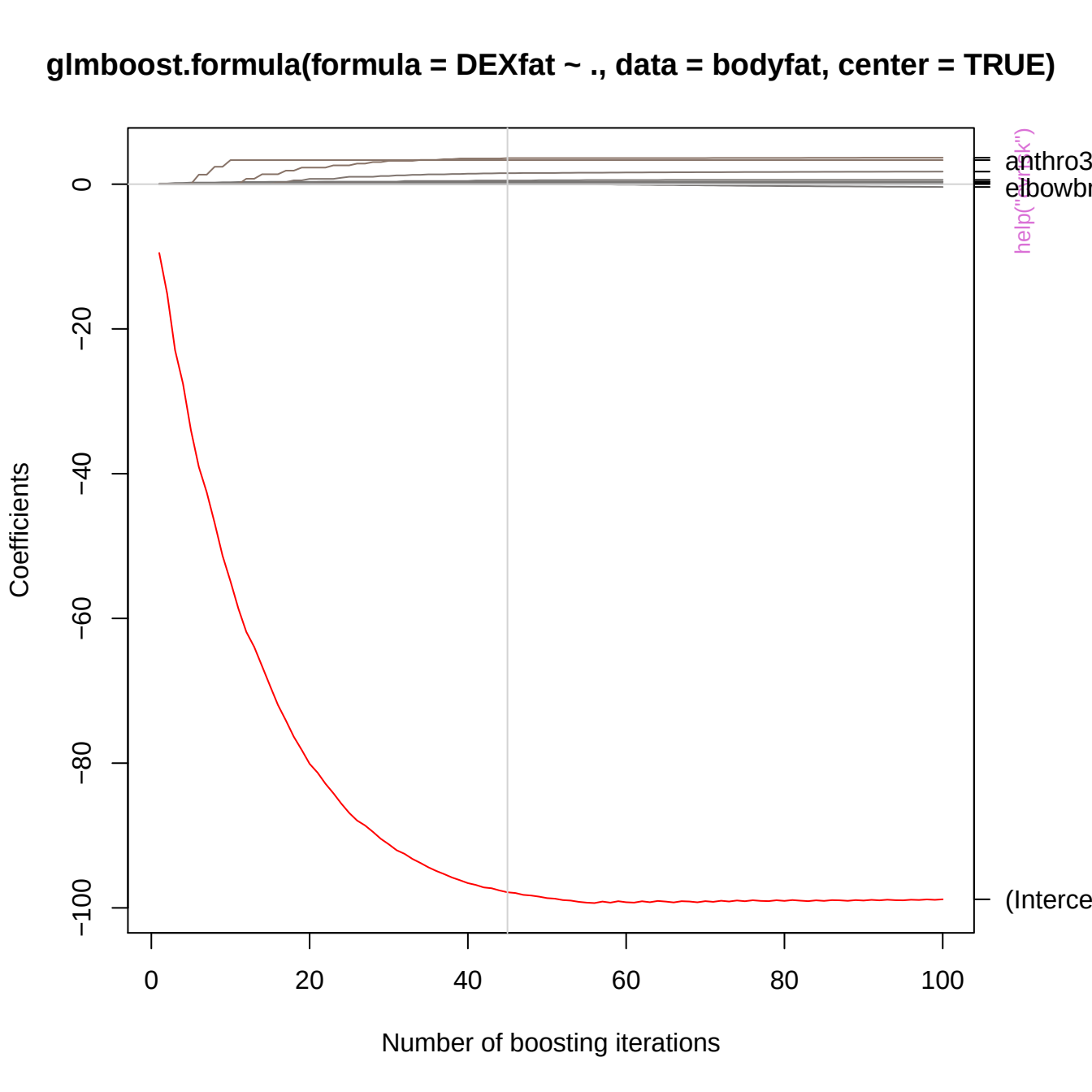

y
10
5
0
−5
−10
−15
−2
−1
0
1
2
3
4
x
help("baselearners")

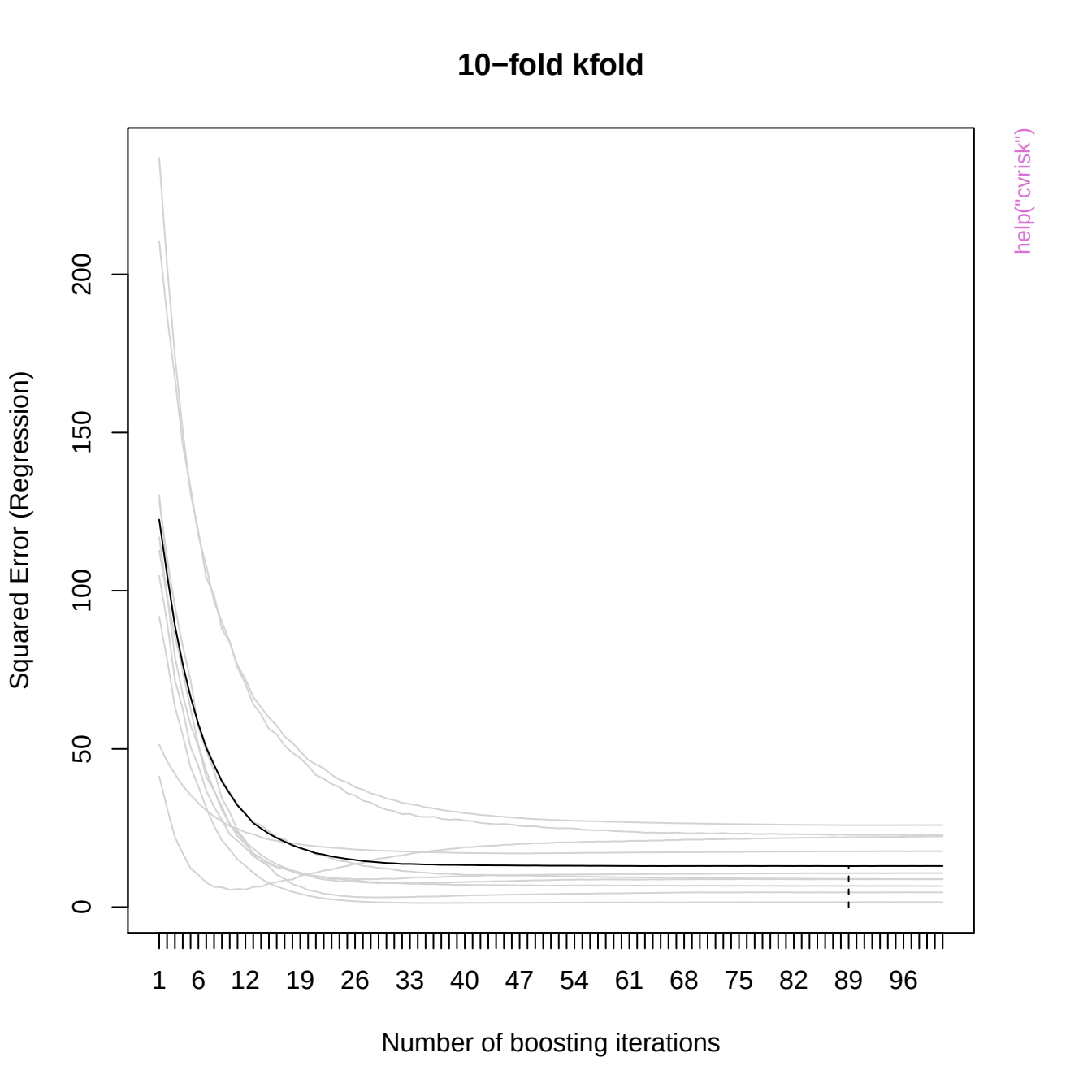

f partial
−1
0
1
2
3
4
x
−2
0
1
2
3
4
f partial
−10
−5
0
5
10
x, z = 2
−2
0
1
2
3
4
f partial
−15
−10
−5
0
5
10
x, z = 3
−2
0
1
2
3
4

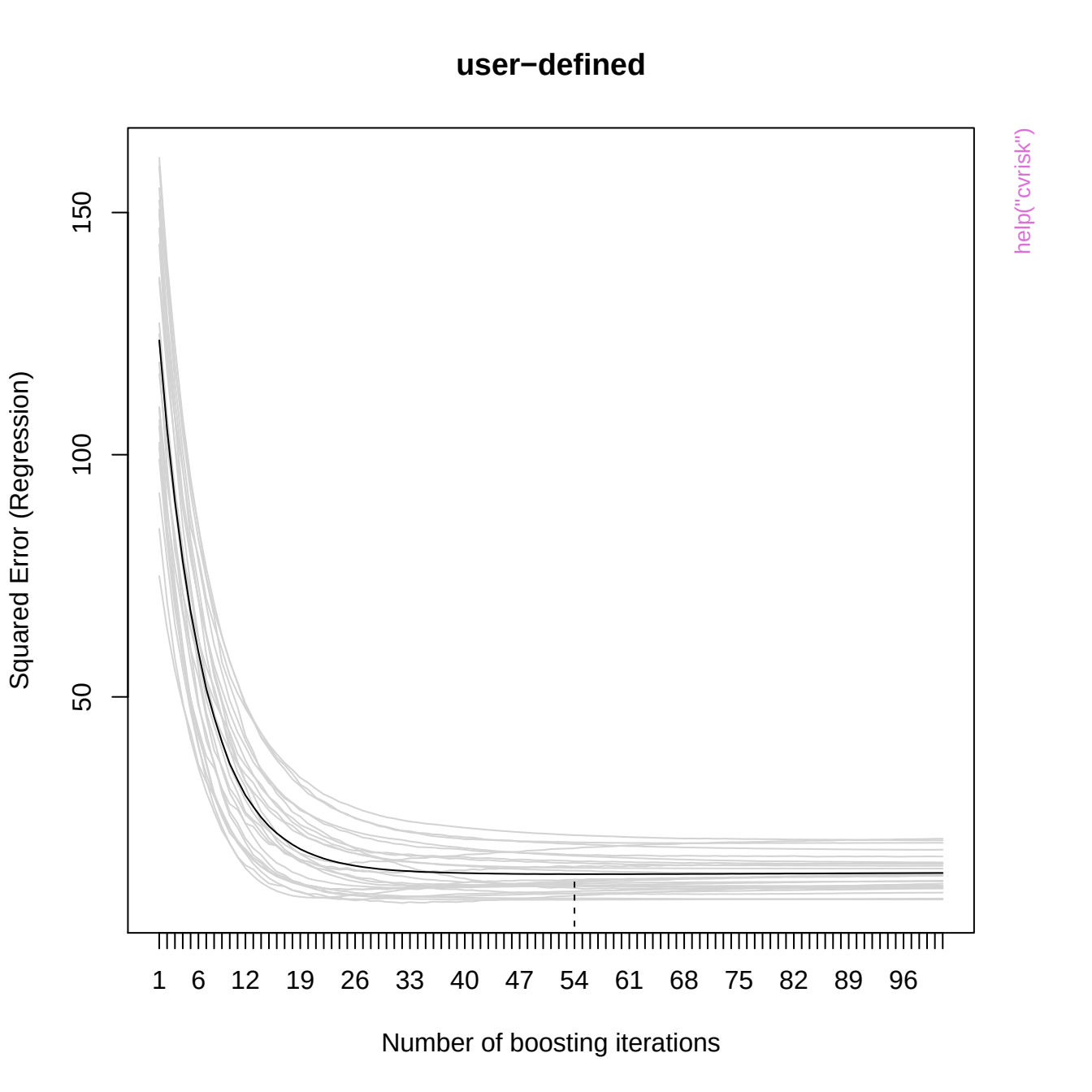

bbs (non−cyclic)
bbs (cyclic)
y
x
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
1
2
3
4
5
6
help("baselearners")

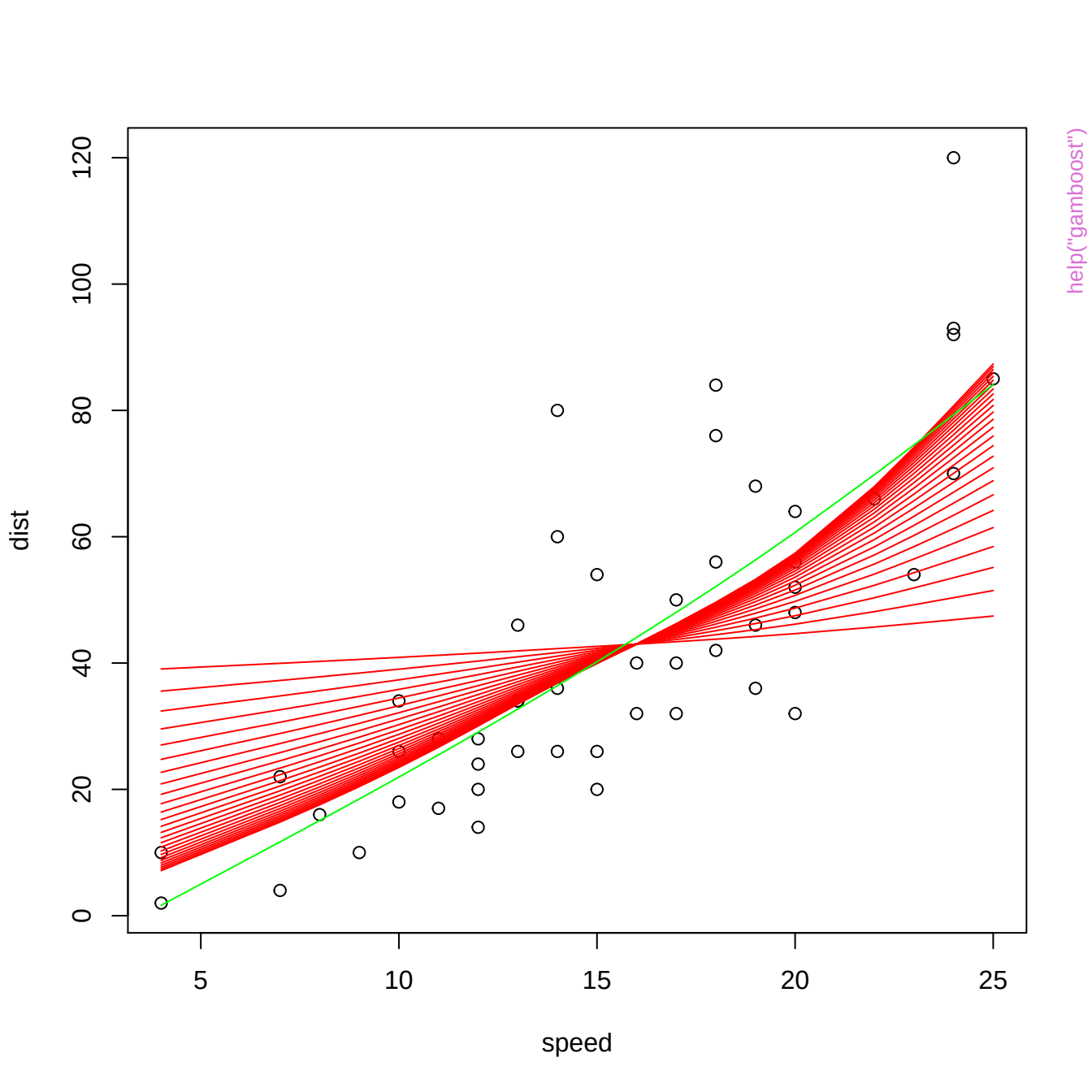

data
fitted
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
help("baselearners")

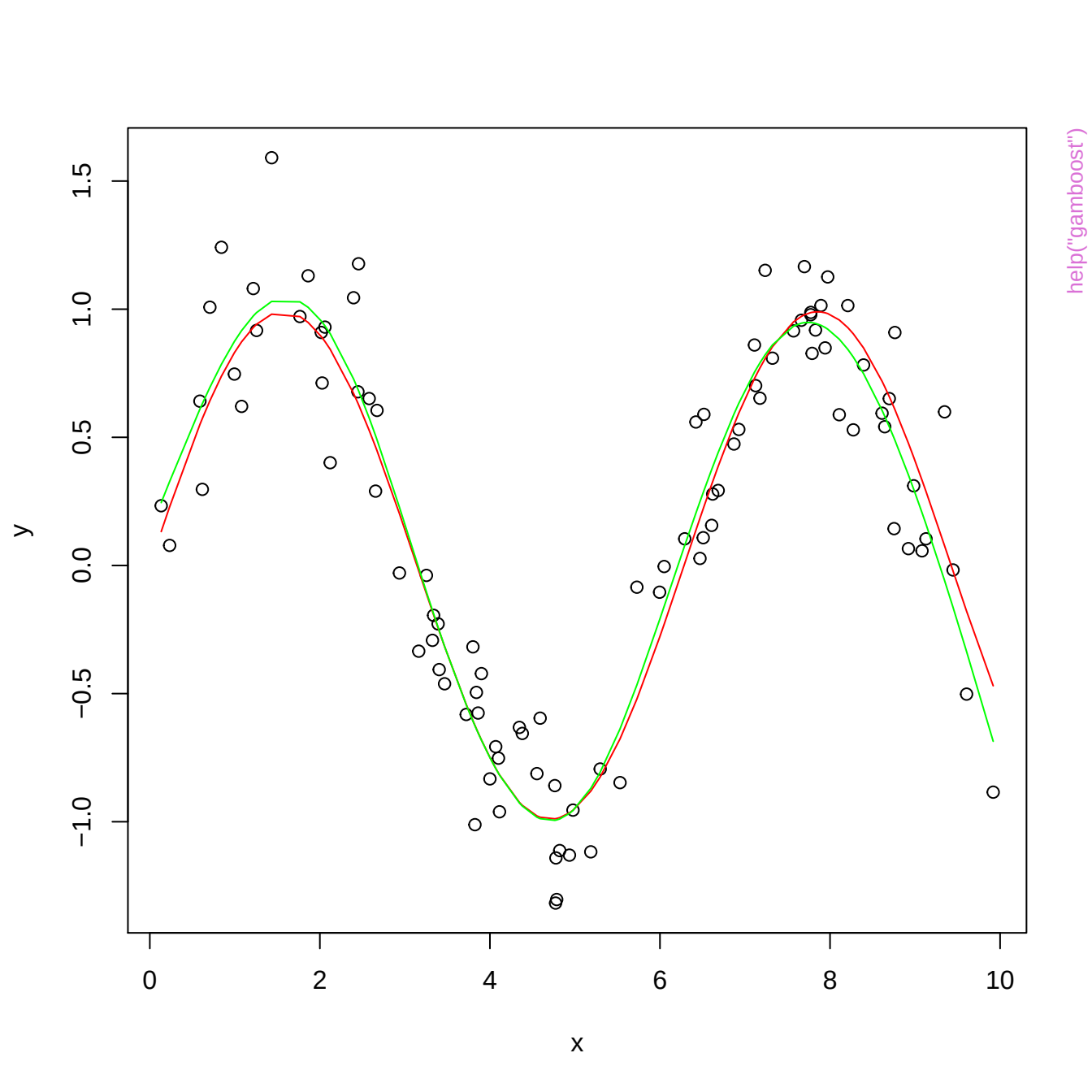

dist
speed
0
20
40
60
80
100
120
5
10
15
20
25
help("blackboost")

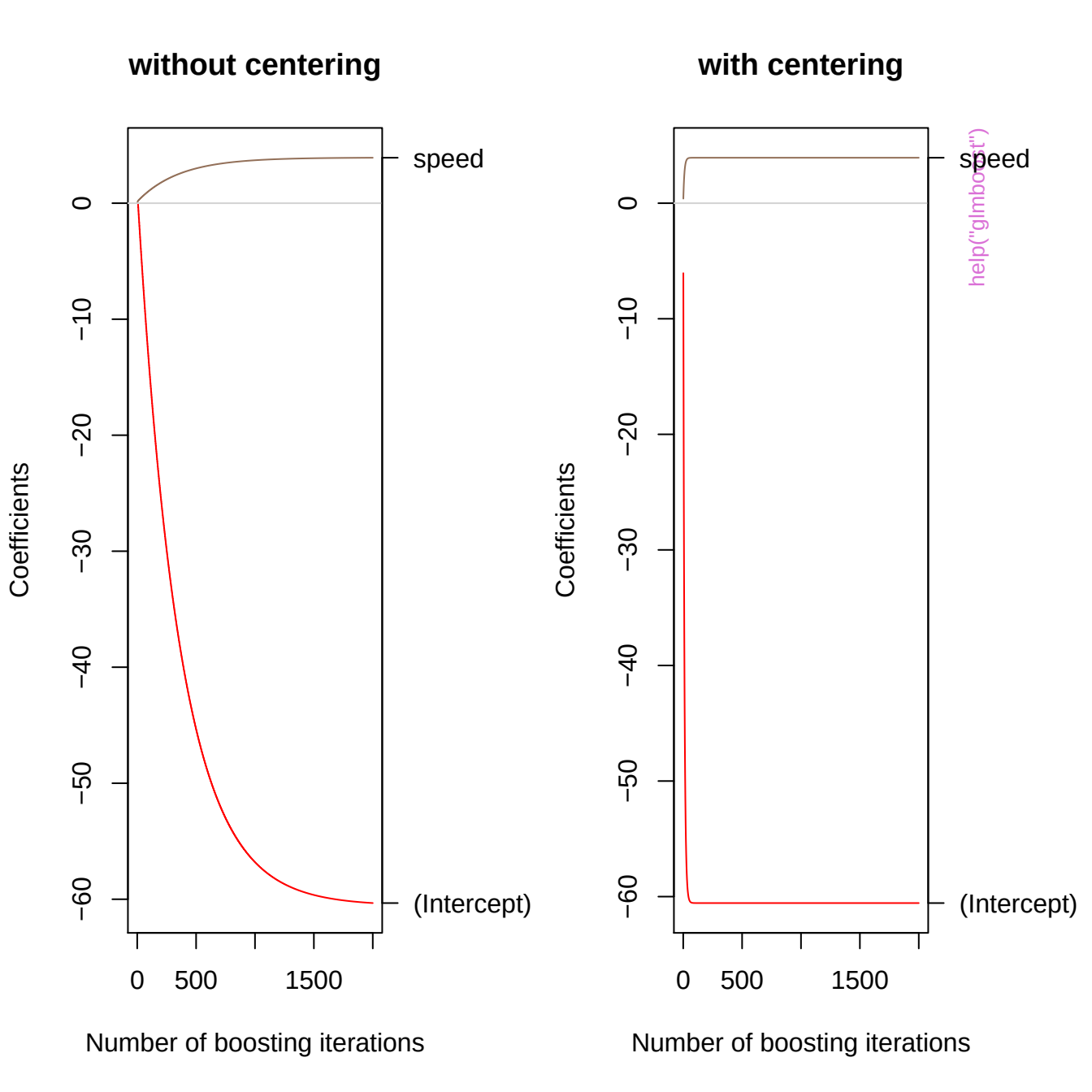

glmboost.formula(formula = DEXfat ~ ., data = bodyfat, center = TRUE)
Coefficients
0
−20
−40
−60
−80
−100
0
20
40
60
80
100
Number of boosting iterations
anthro3
elbowbr
(Interce

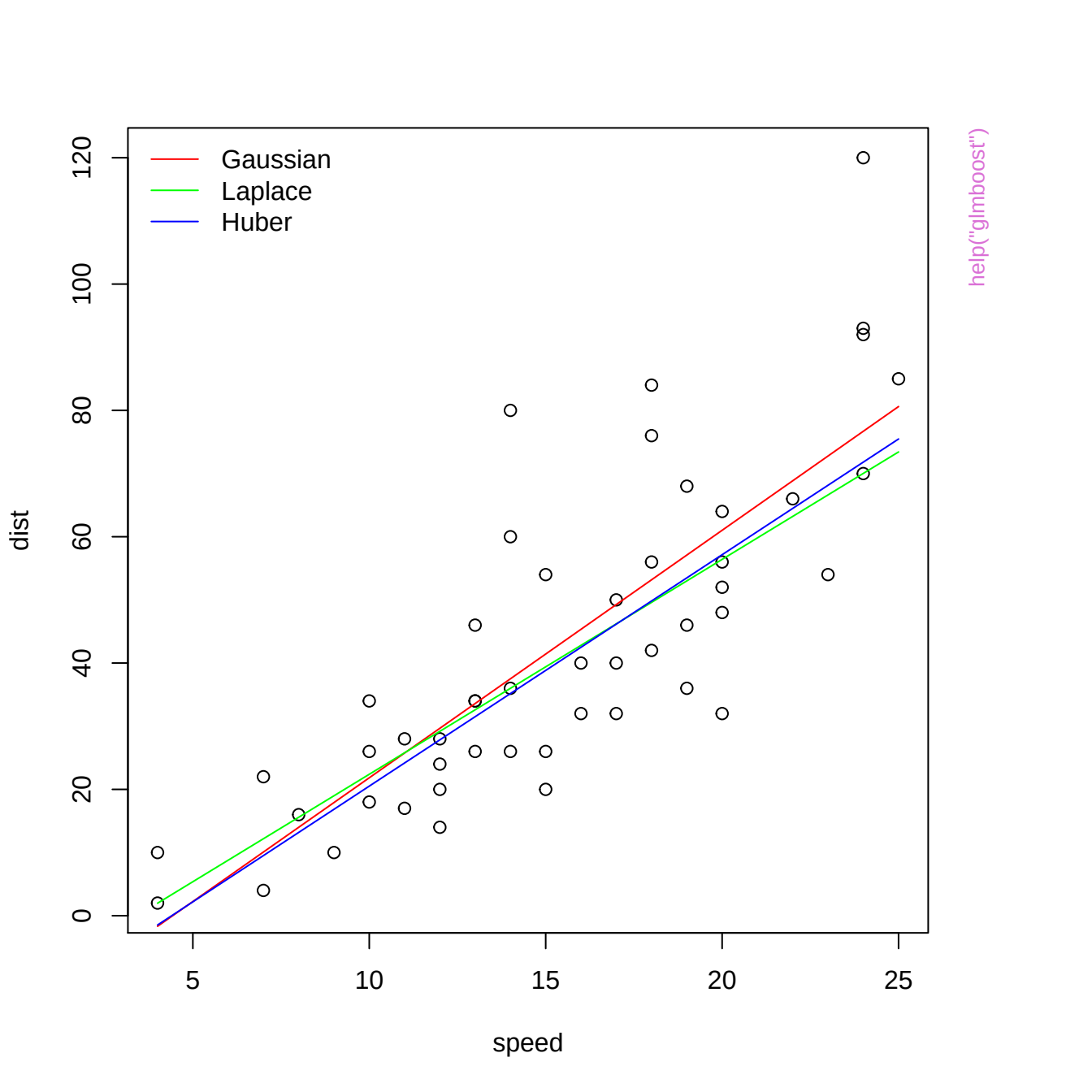

10−fold kfold
Squared Error (Regression)
0
50
100
150
200
1
6
12
19
26
33
40
47
54
61
68
75
82
89
96
Number of boosting iterations
help("cvrisk")

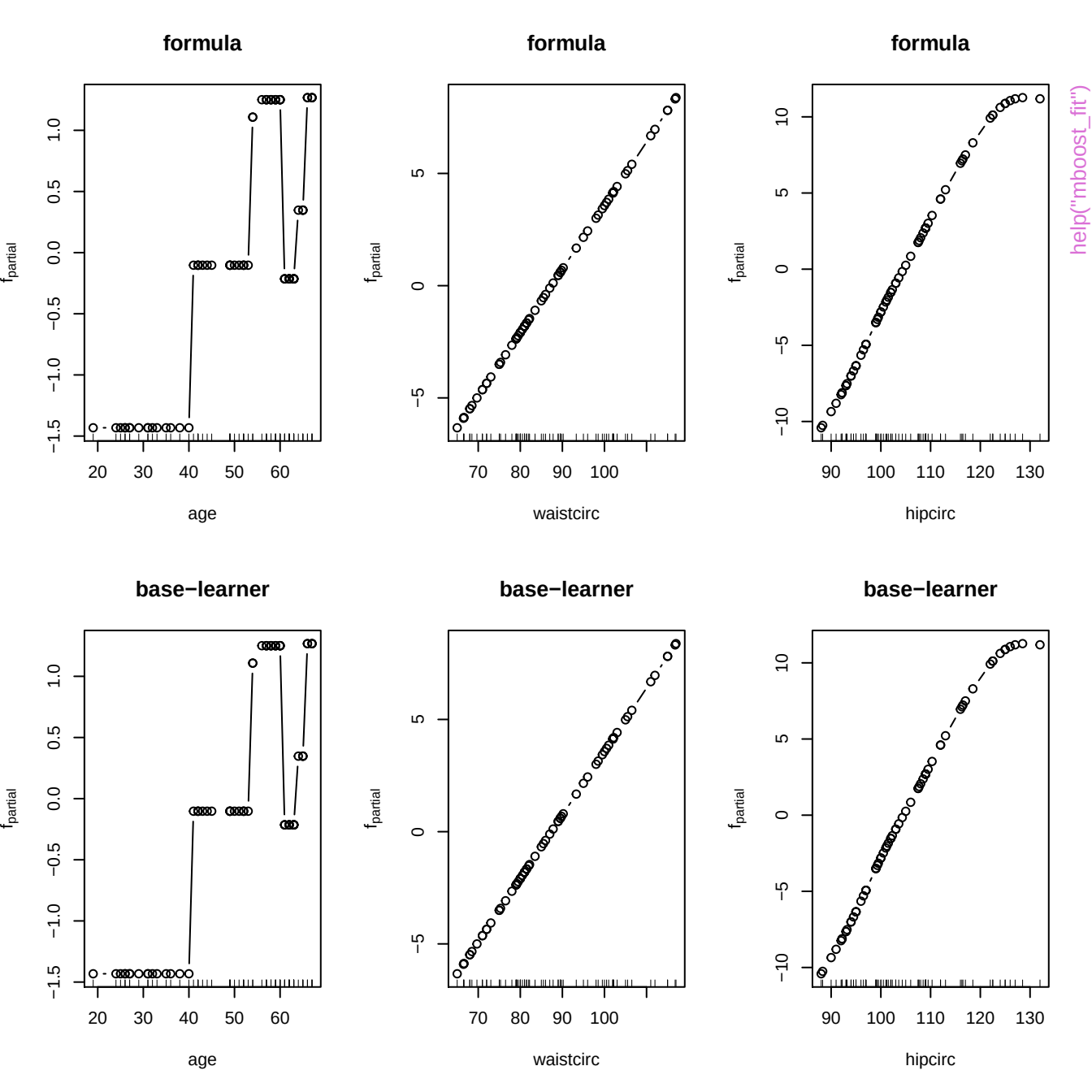

user−defined
Squared Error (Regression)
50
100
150
1
6
12
19
26
33
40
47
54
61
68
75
82
89
96
Number of boosting iterations
help("cvrisk")

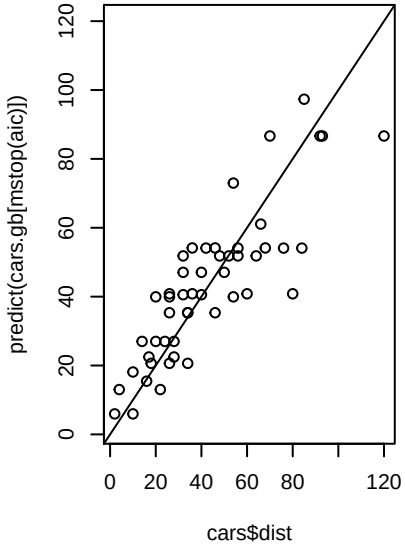

dist
speed
0
20
40
60
80
100
120
5
10
15
20
25
help("gamboost")


y
x
1.5
1.0
0.5
0.0
−0.5
−1.0
0
2
4
6
8
10
help("gamboost")

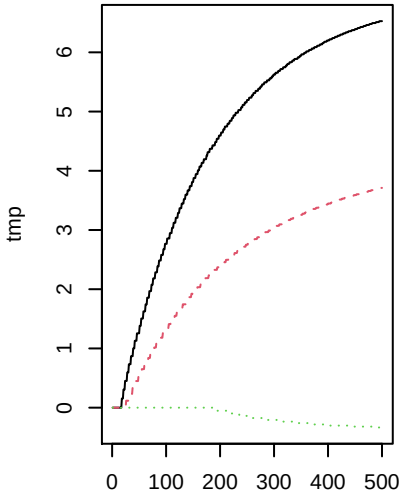

without centering
with centering
speed
(Intercept)
Coefficients
0
−10
−20
−30
−40
−50
−60
0
500
1500
Number of boosting iterations
help("glmboost")

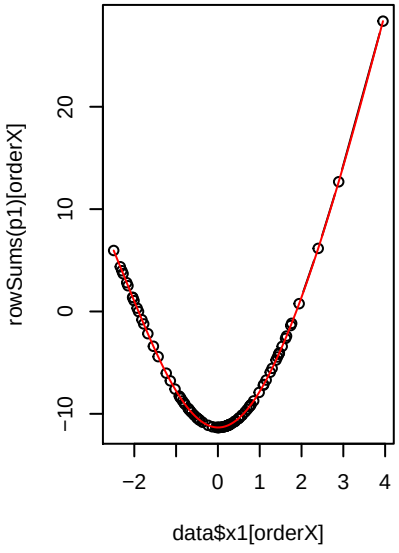

Gaussian
Laplace
Huber
dist
speed
0
20
40
60
80
100
120
5
10
15
20
25
help("glmboost")


formula
formula
formula
base−learner
base−learner
base−learner
f_partial
age
waistcirc
hipcirc
help("mboost_fit")

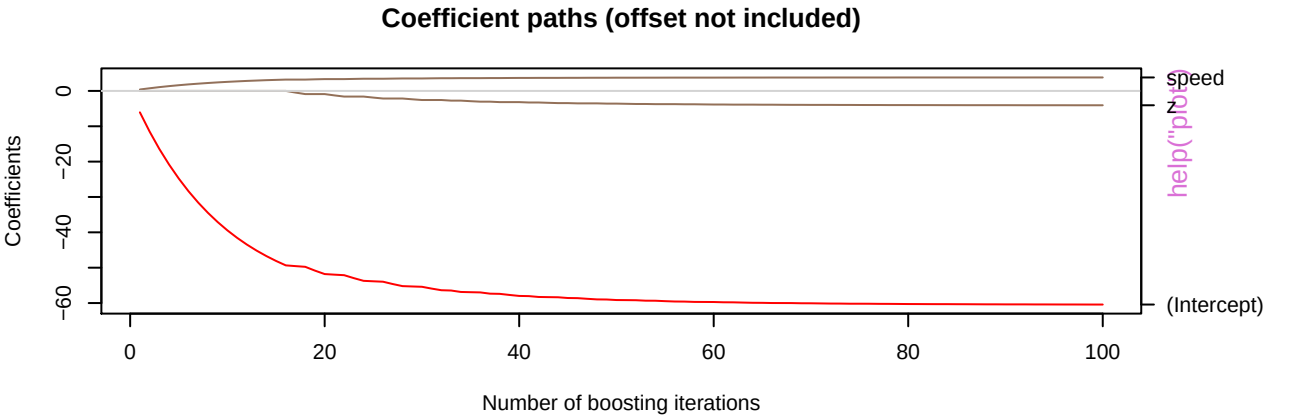


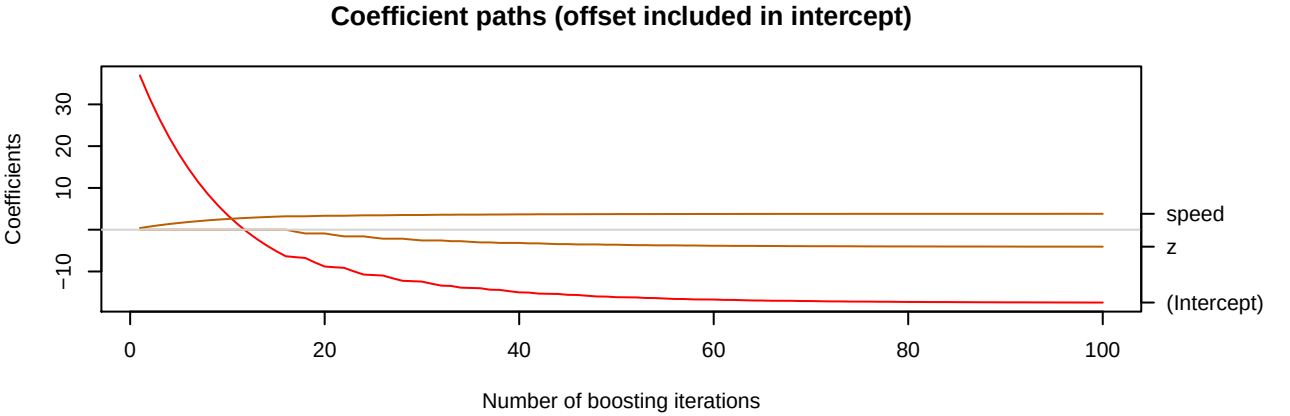
Coefficient Paths

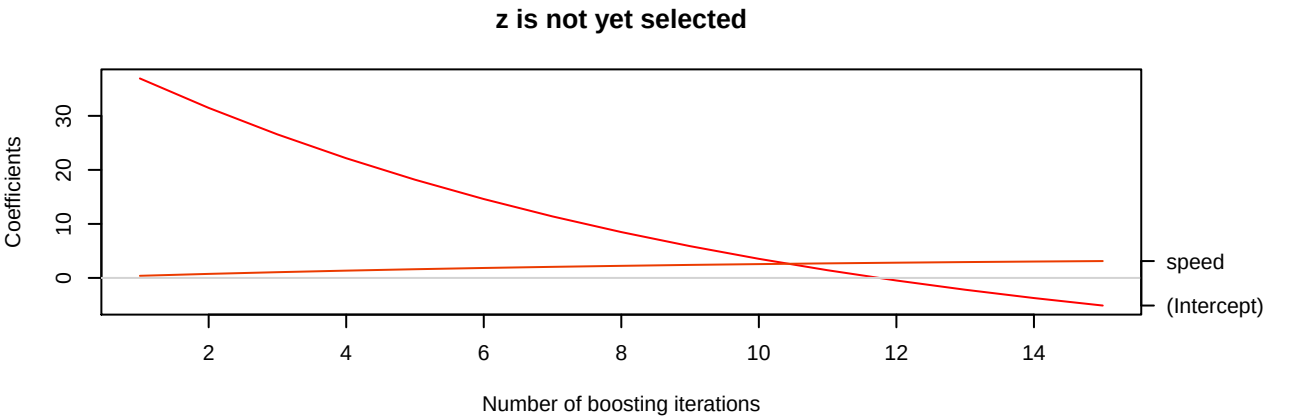




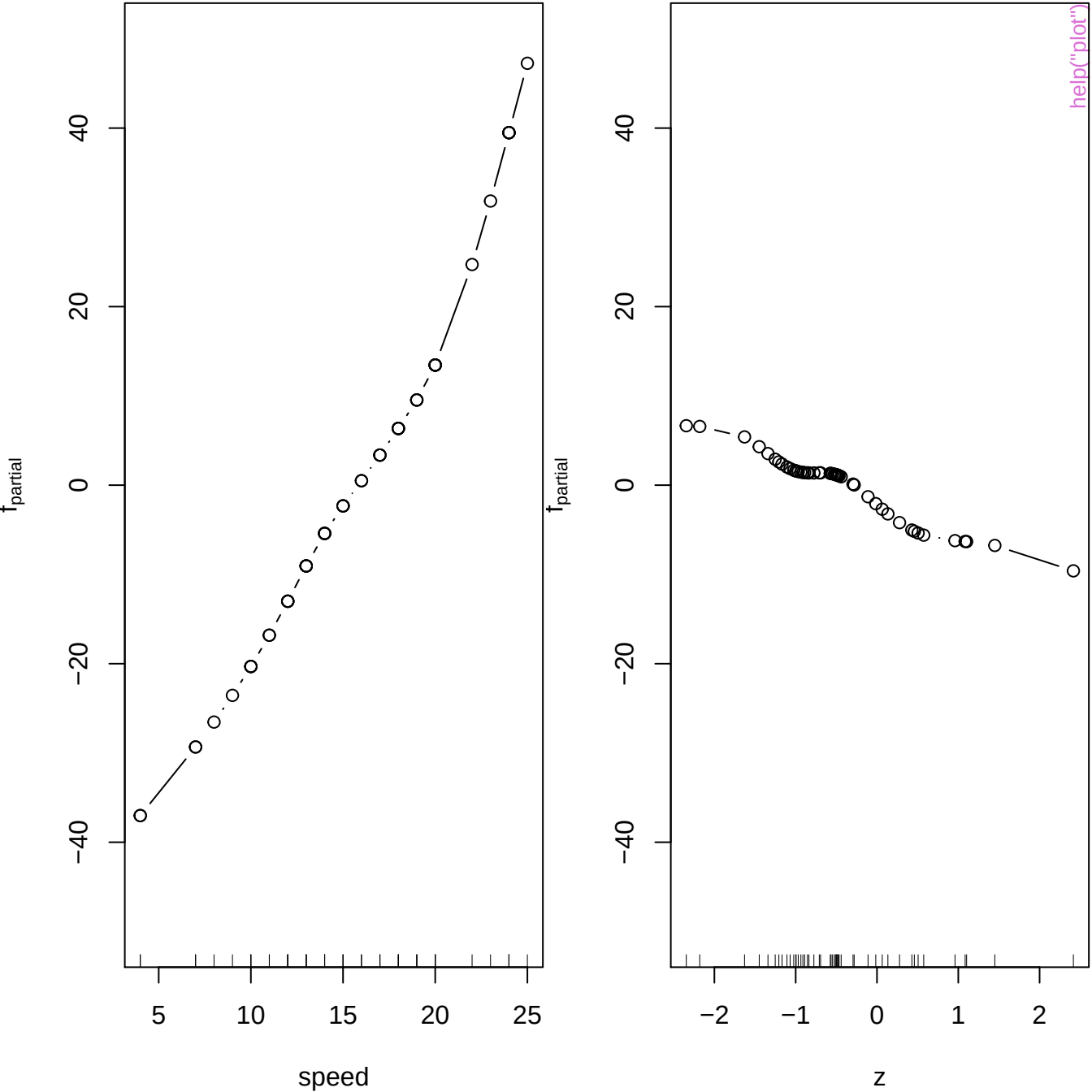
help("methods")

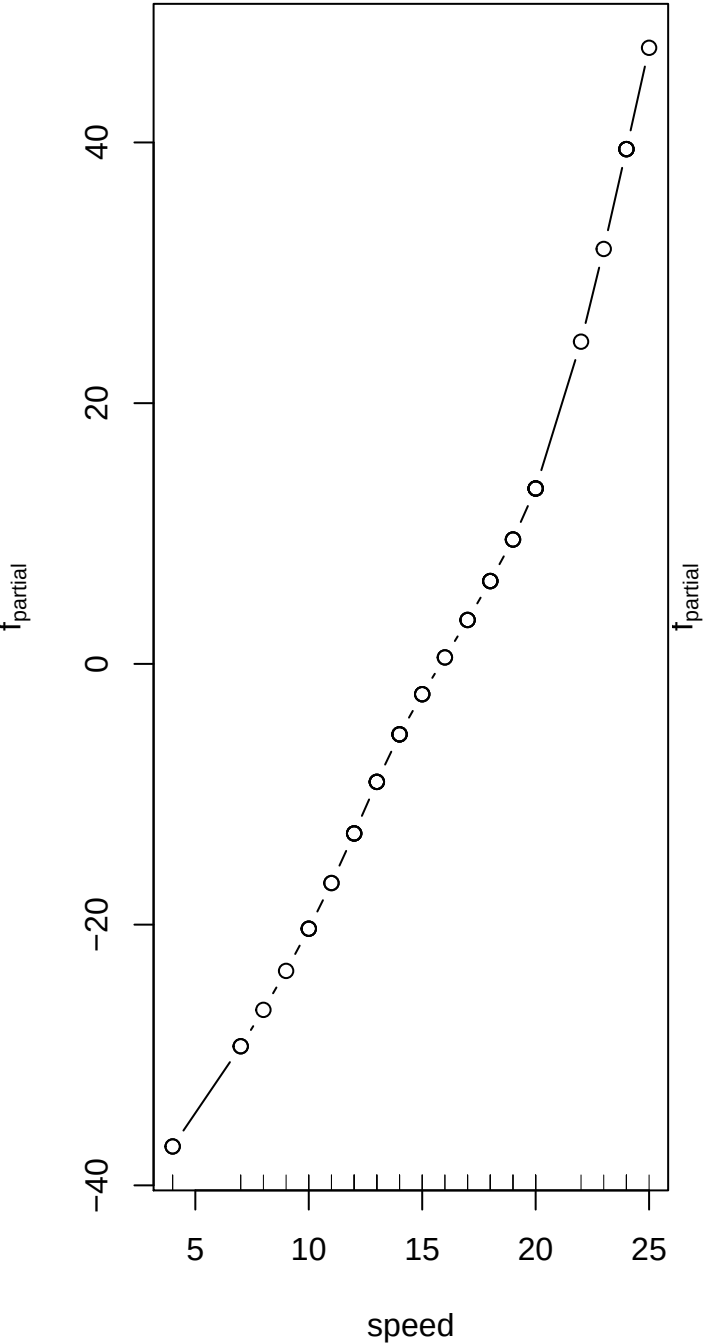

Coefficient paths (offset not included)
Coefficients
0
−20
−40
−60
0
20
40
60
80
100
Number of boosting iterations
speed
z
(Intercept)
help("plot")

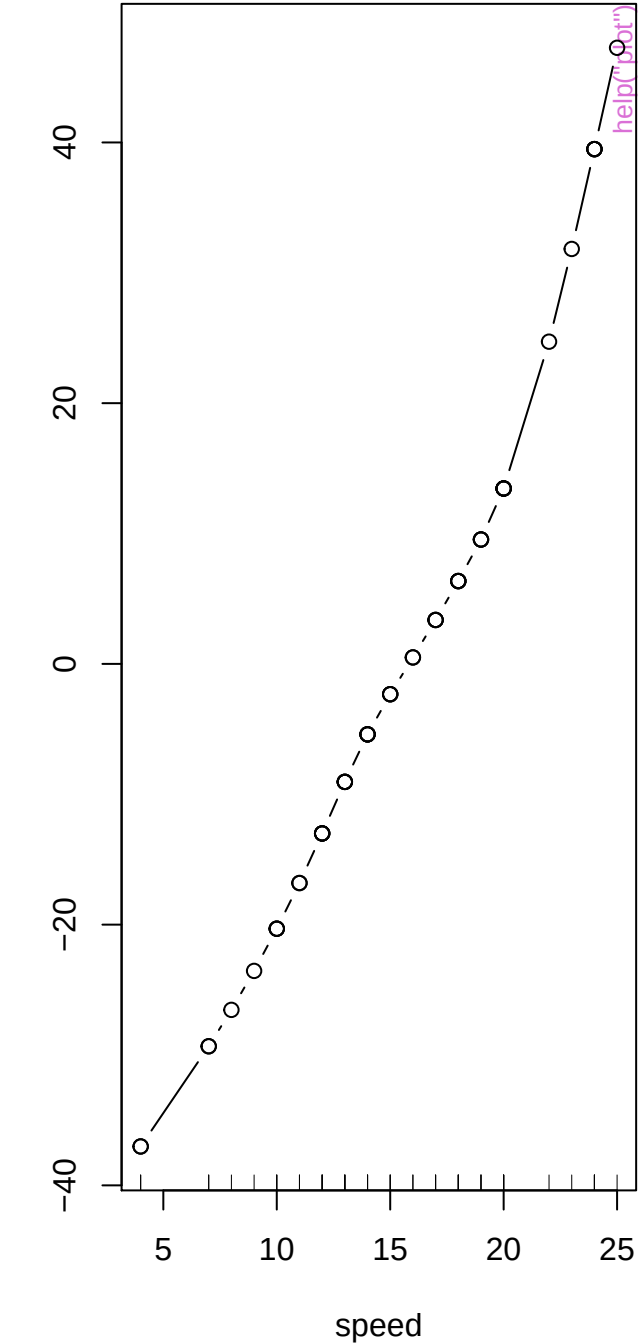

Coefficient paths (offset included in intercept)
Coefficients
30
20
10
−10
0
20
40
60
80
100
Number of boosting iterations
speed
z
(Intercept)

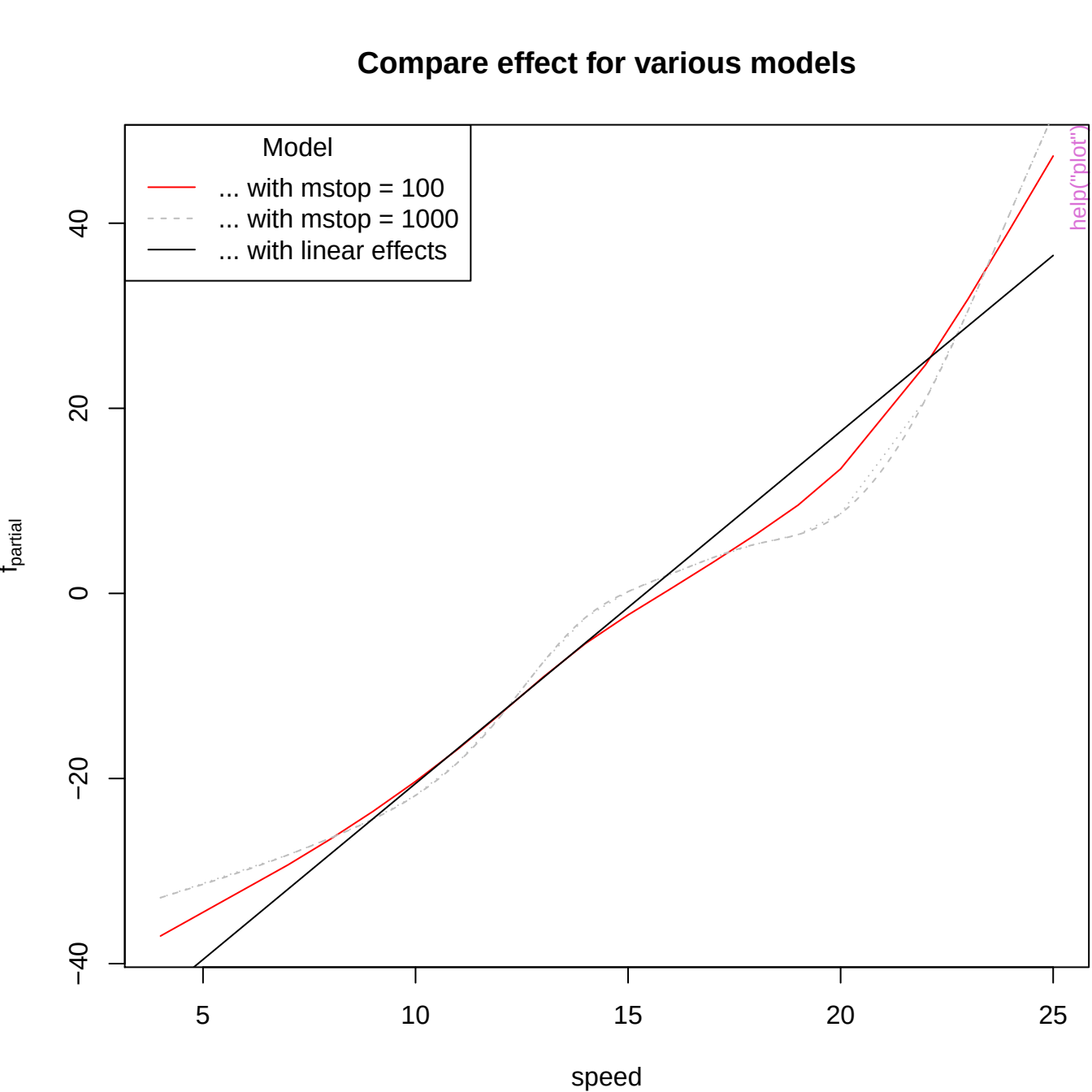

z is not yet selected
Coefficients
30
20
10
0
2
4
6
8
10
12
14
Number of boosting iterations
speed
(Intercept)

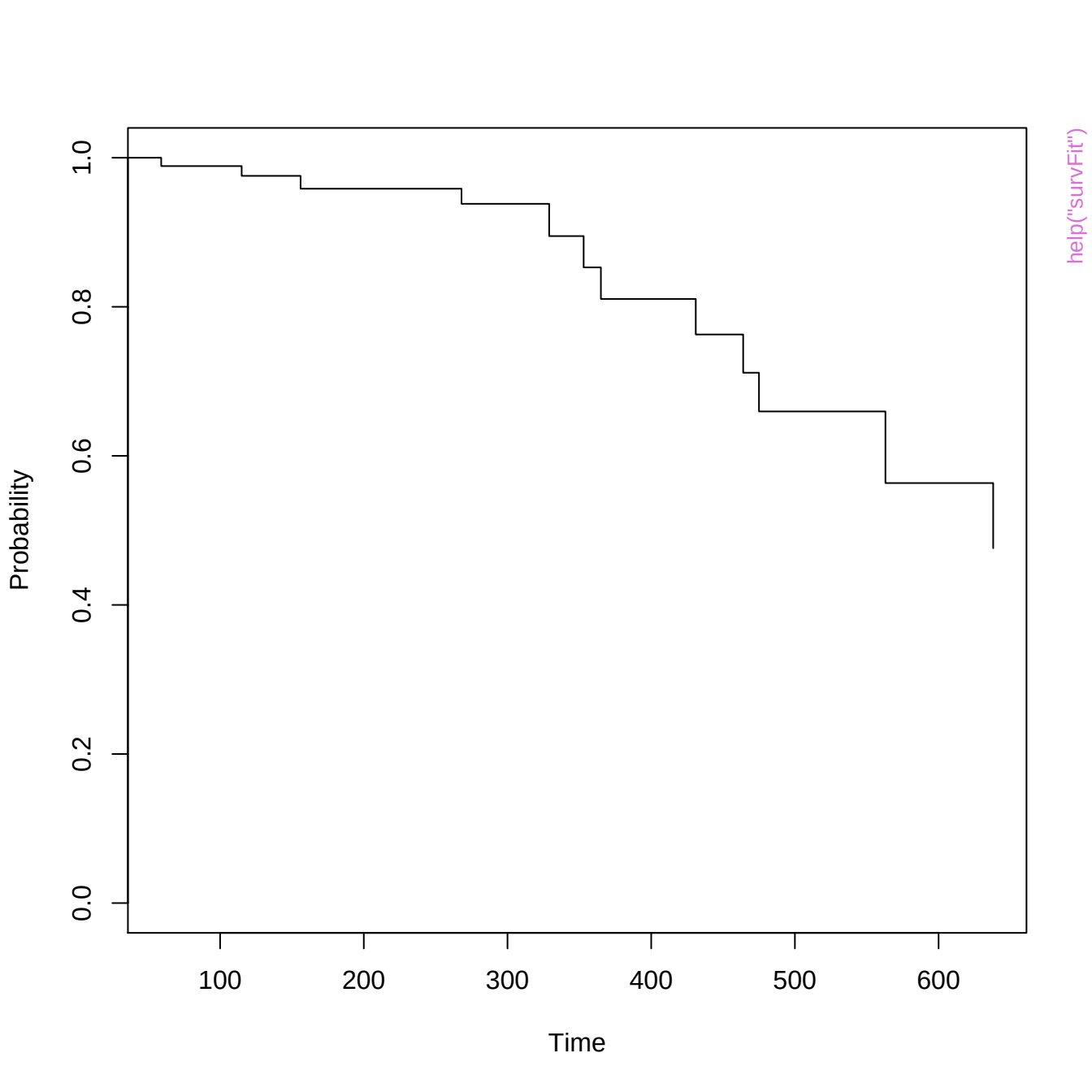
f_partial
40
20
0
−20
−40
5
10
15
20
25
speed
f_partial
5
0
−5
−10
−2
−1
0
1
2
z
help("plot")

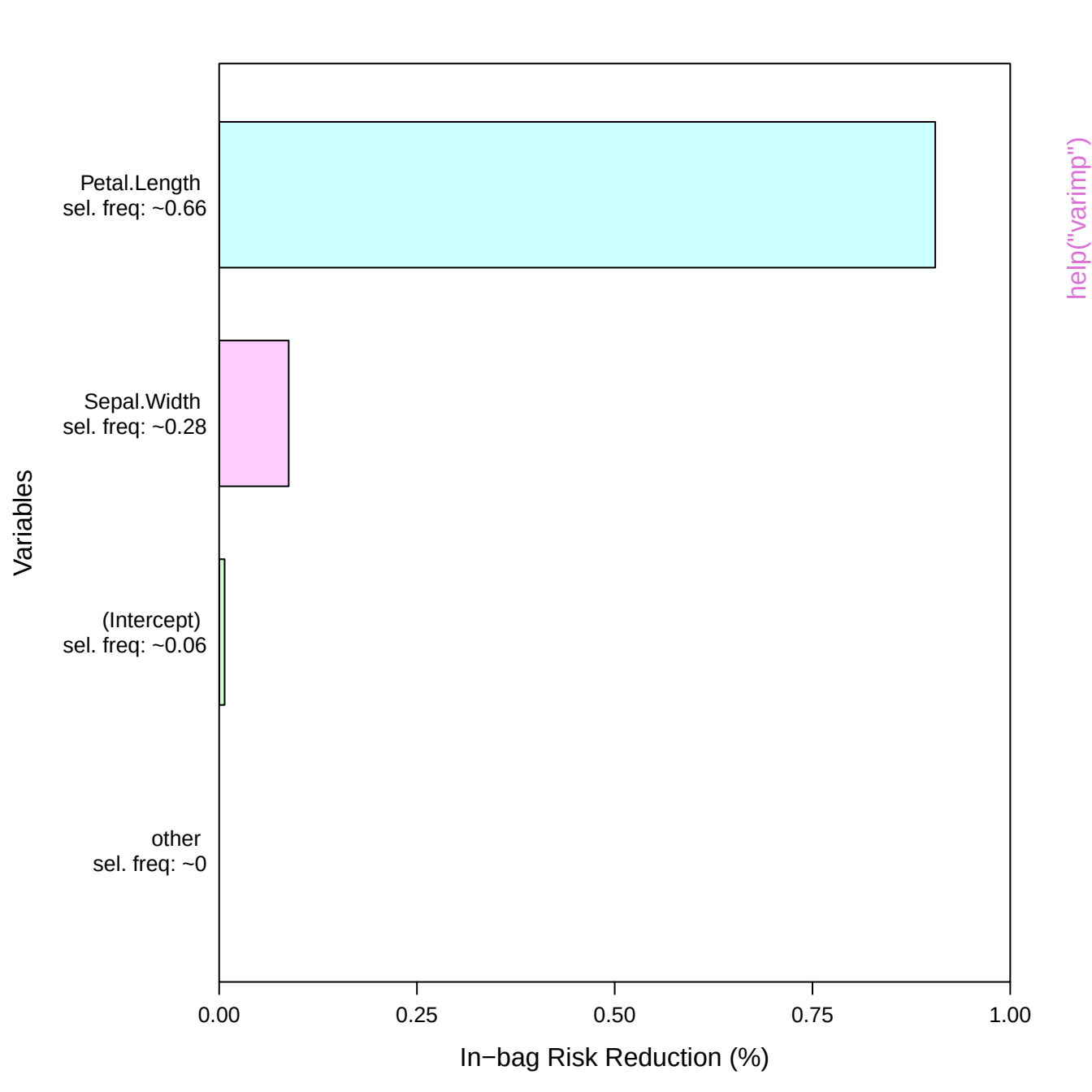

f_partial
40
20
0
−20
−40
5
10
15
20
25
speed
f_partial
40
20
0
−20
−40
−2
−1
0
1
2
z
help("plot")

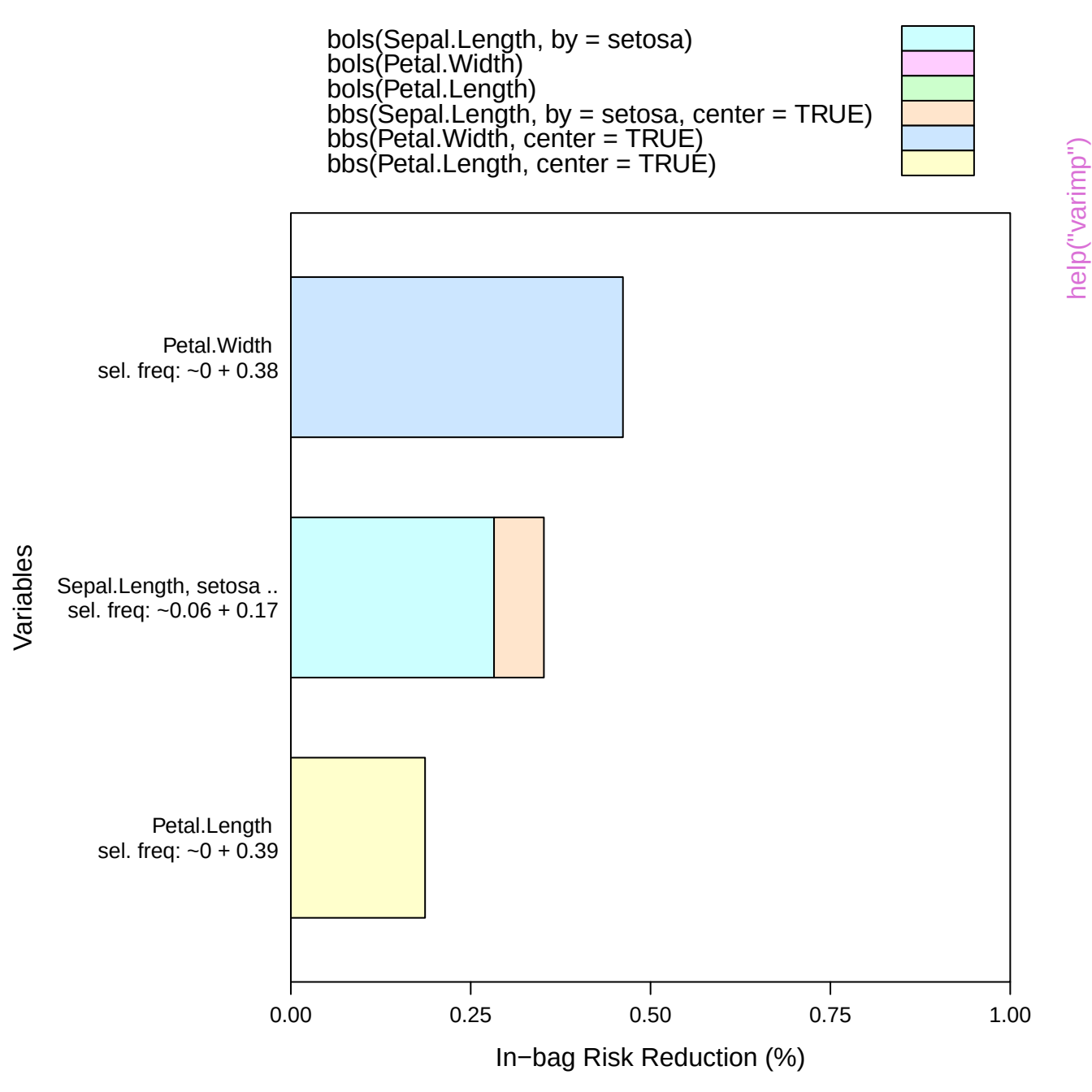

f partial
40
20
0
−20
−40
5
10
15
20
25
speed


f partial
40
20
0
−20
−40
5
10
15
20
25
speed
help("plot")


Compare effect for various models
Model
... with mstop = 100
... with mstop = 1000
... with linear effects
help("plot")
f_partial
40
20
0
−20
−40
5
10
15
20
25
speed


Probability
0.0
0.2
0.4
0.6
0.8
1.0
100
200
300
400
500
600
Time
help("survFit")


Petal.Length
sel. freq: ~0.66
Sepal.Width
sel. freq: ~0.28
(Intercept)
sel. freq: ~0.06
other
sel. freq: ~0
Variables
0.00
0.25
0.50
0.75
1.00
In−bag Risk Reduction (%)
help("varimp")


bols(Sepal.Length, by = setosa)
bols(Petal.Width)
bols(Petal.Length)
bbs(Sepal.Length, by = setosa, center = TRUE)
bbs(Petal.Width, center = TRUE)
bbs(Petal.Length, center = TRUE)
help("varimp")
Variables
Petal.Width
sel. freq: ~0 + 0.38
Sepal.Length, setosa ..
sel. freq: ~0.06 + 0.17
Petal.Length
sel. freq: ~0 + 0.39
0.00
0.25
0.50
0.75
1.00
In−bag Risk Reduction (%)