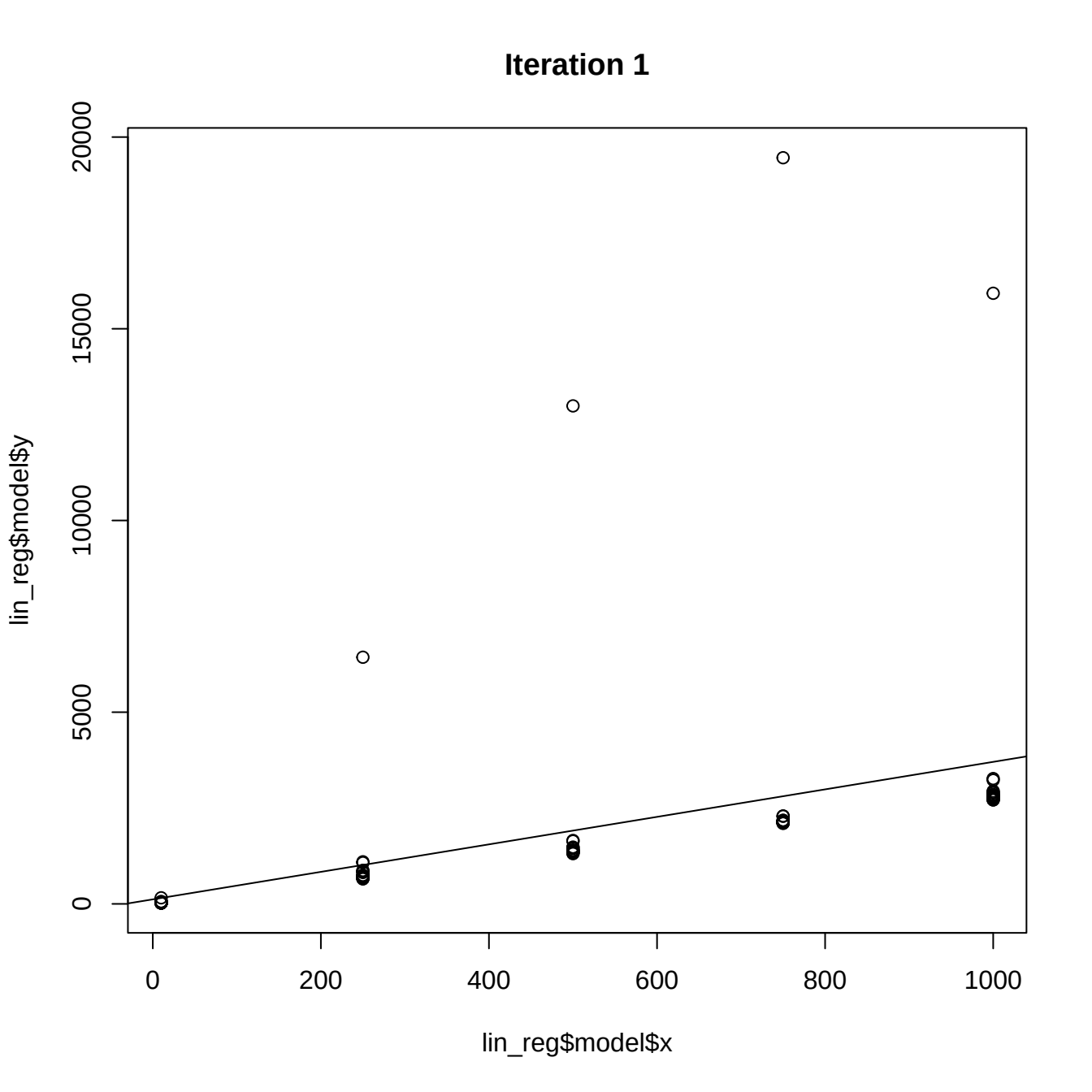
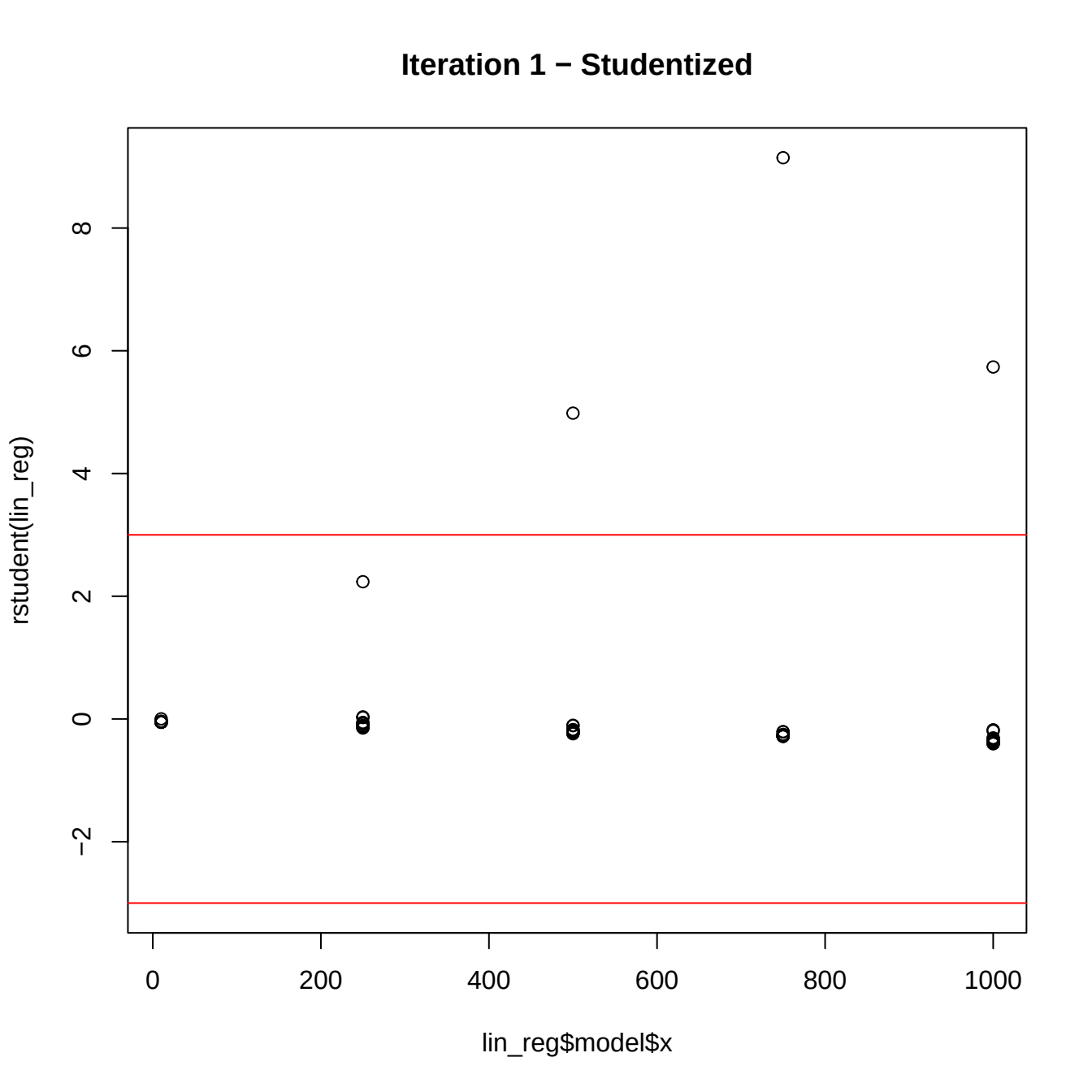
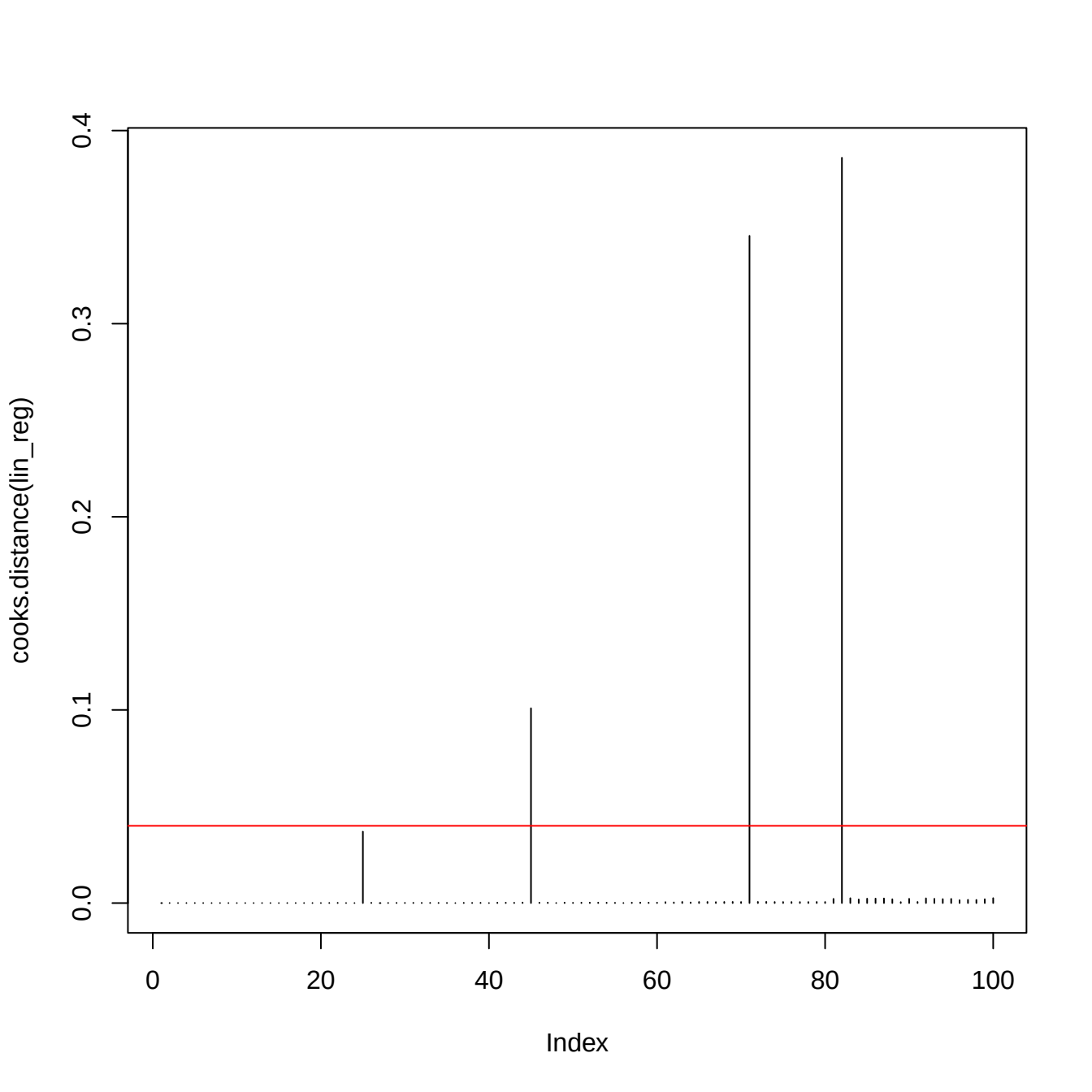
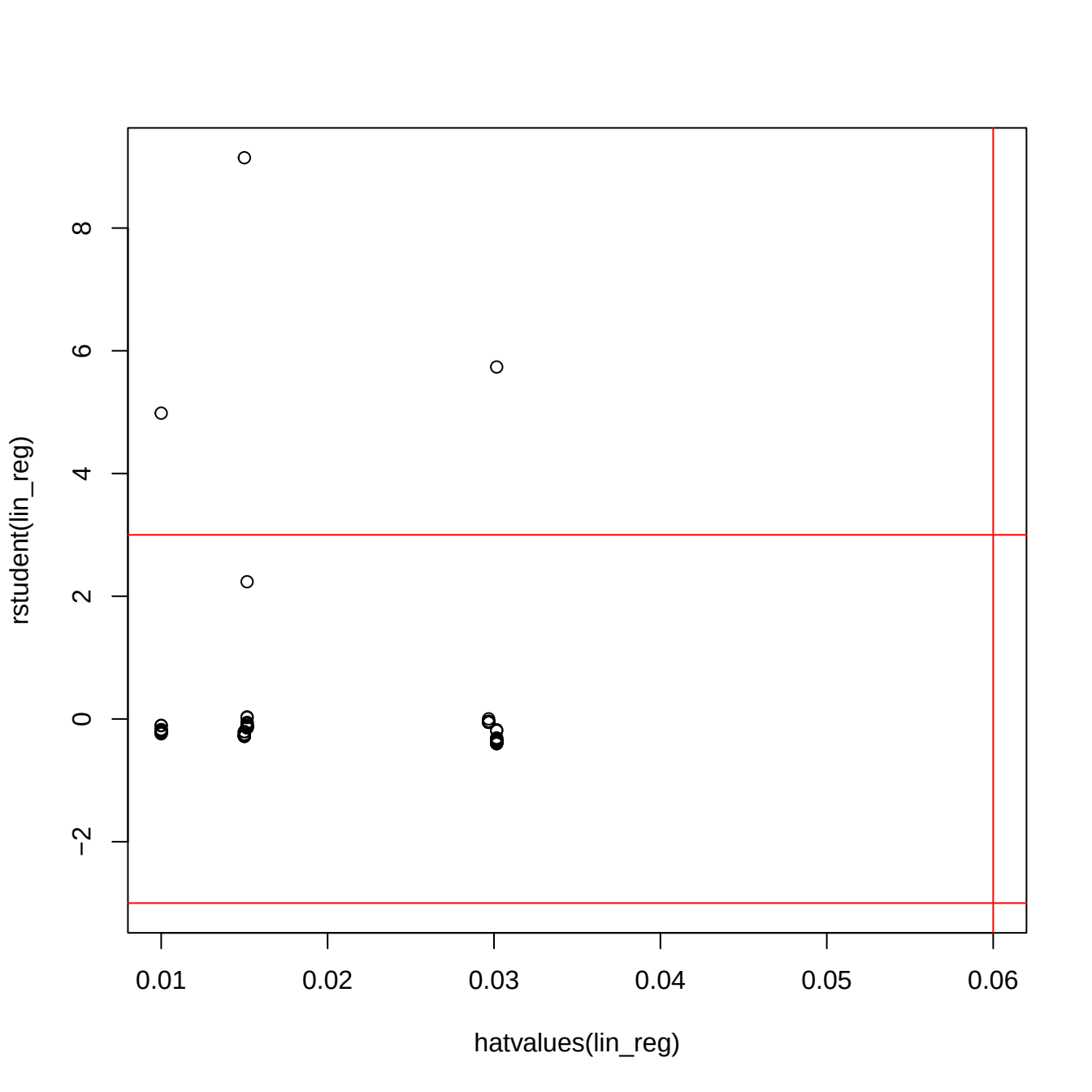
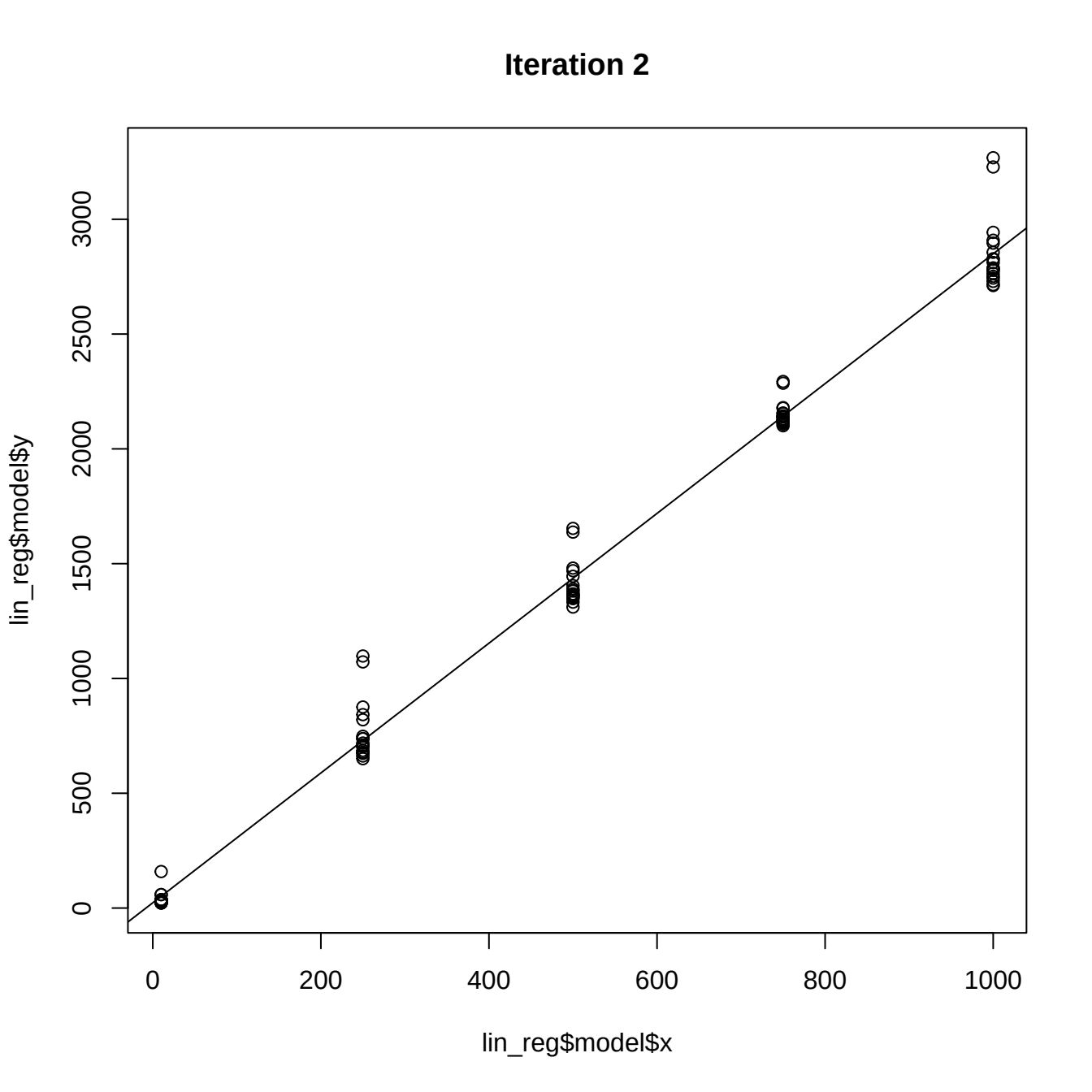
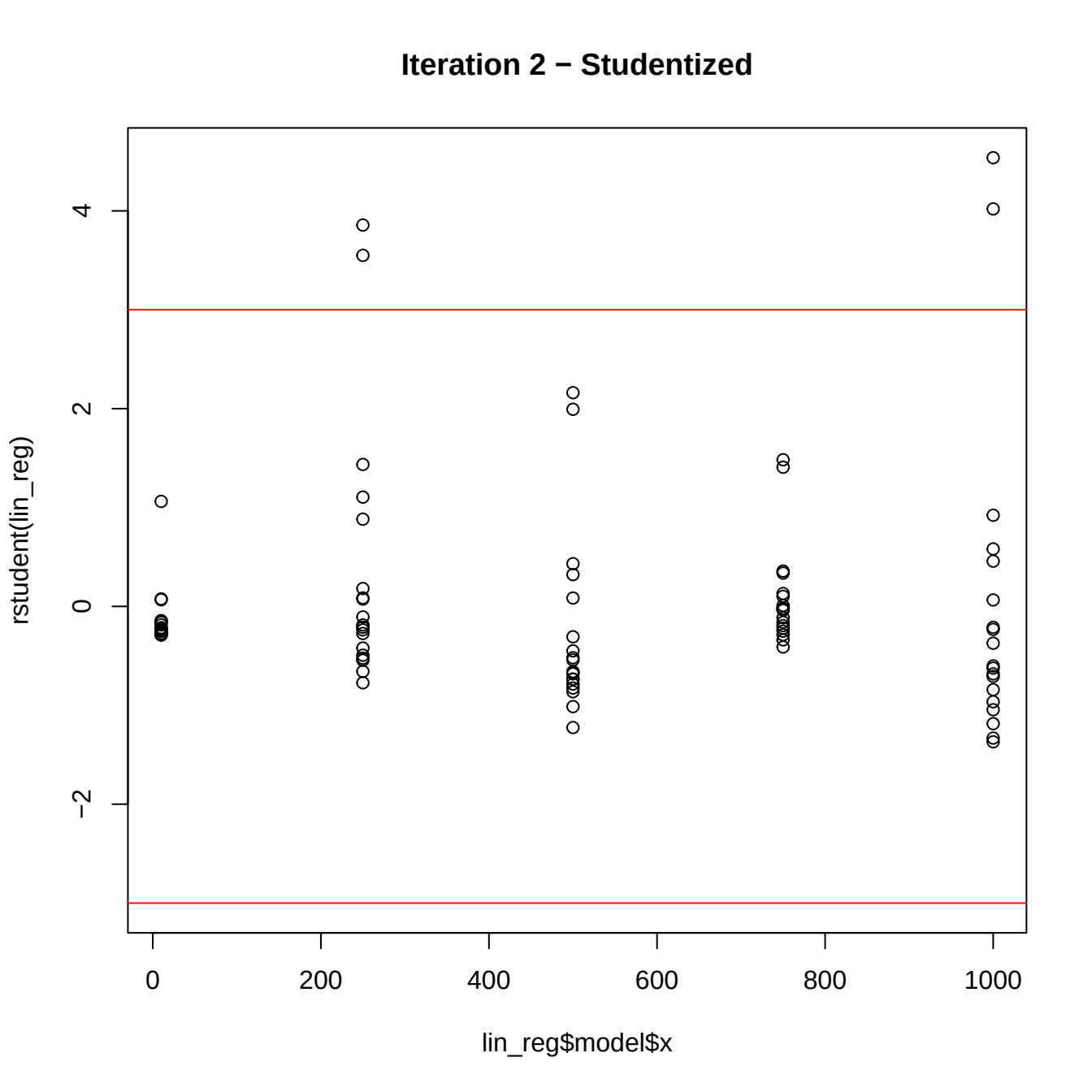

Iteration 1
lin_reg$model$y
lin_reg$model$x
0
5000
10000
15000
20000
0
200
400
600
800
1000

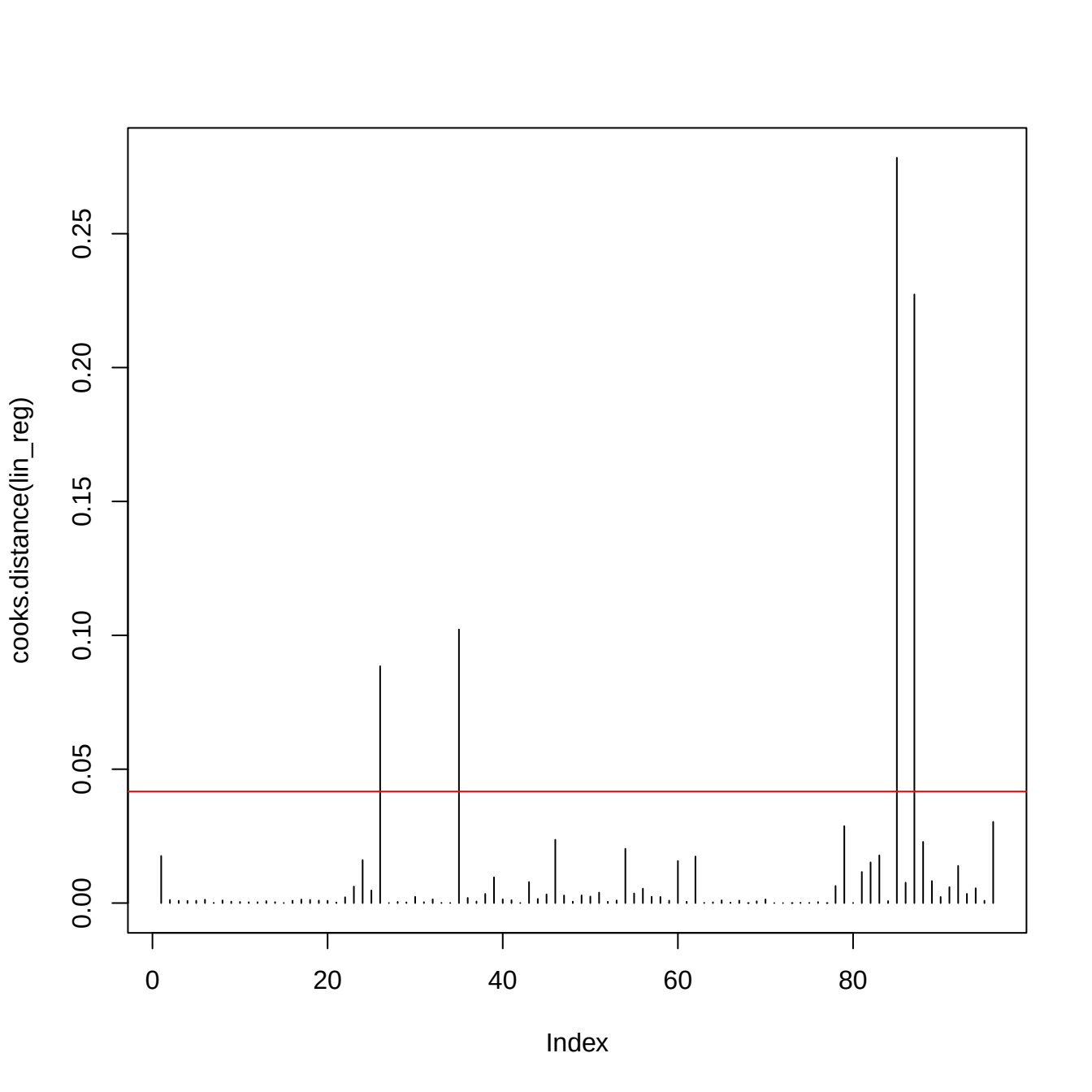

Iteration 1 − Studentized
rstudent(lin_reg)
8
6
4
2
0
−2
0
200
400
600
800
1000
lin_reg$model$x

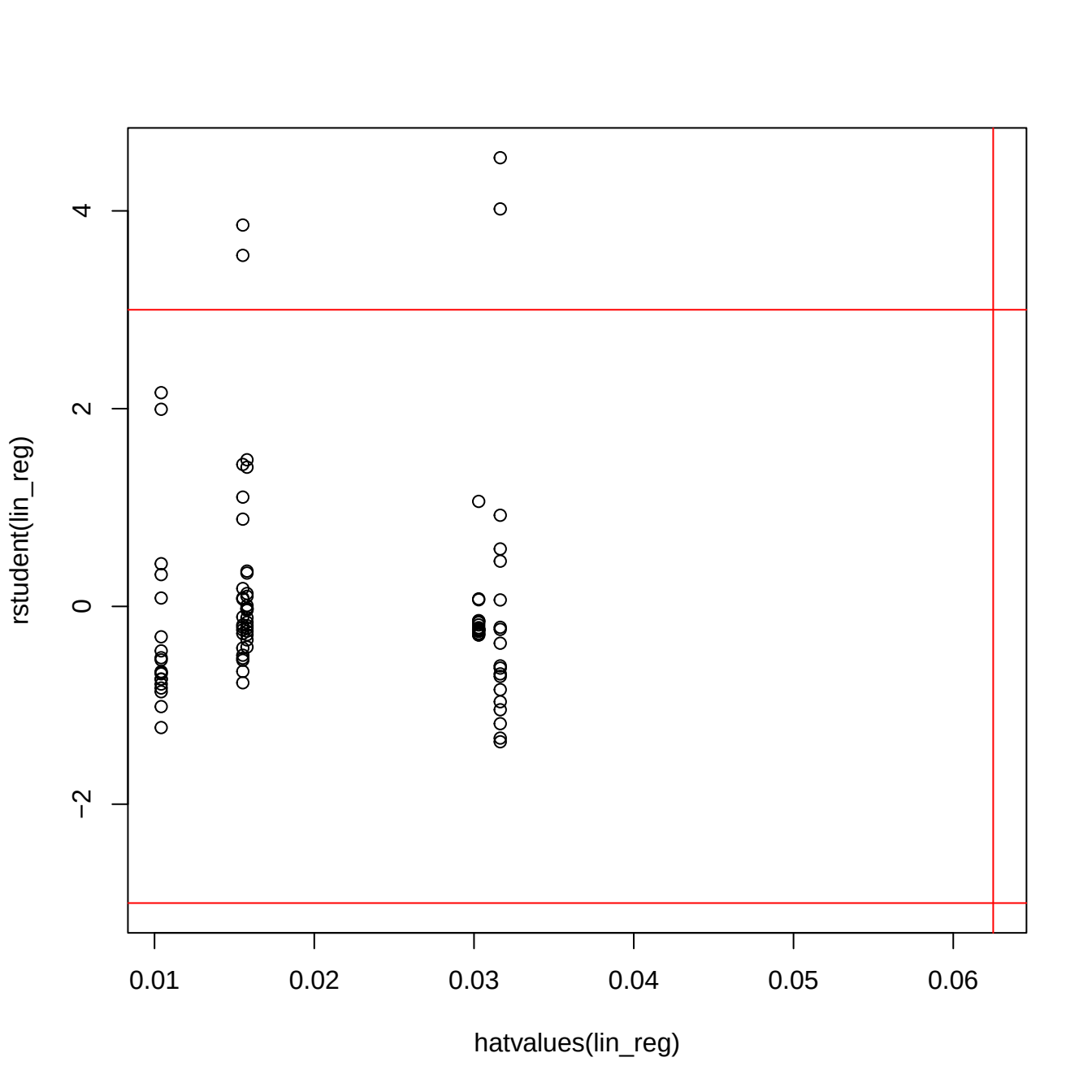

cooks.distance(lin_reg)
0.0
0.1
0.2
0.3
0.4
0
20
40
60
80
100
Index

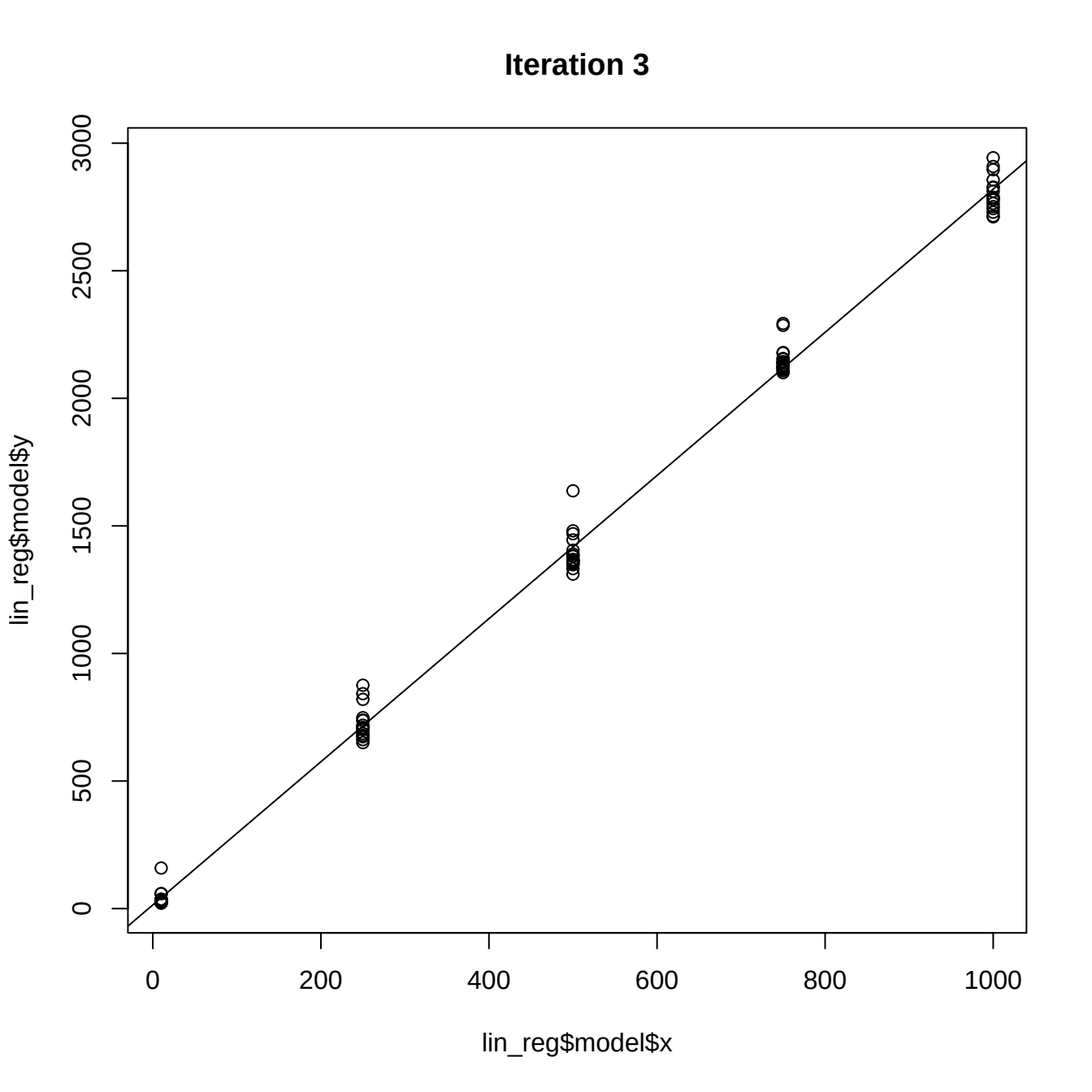

rstudent(lin_reg)
8
6
4
2
0
−2
0.01
0.02
0.03
0.04
0.05
0.06
hatvalues(lin_reg)

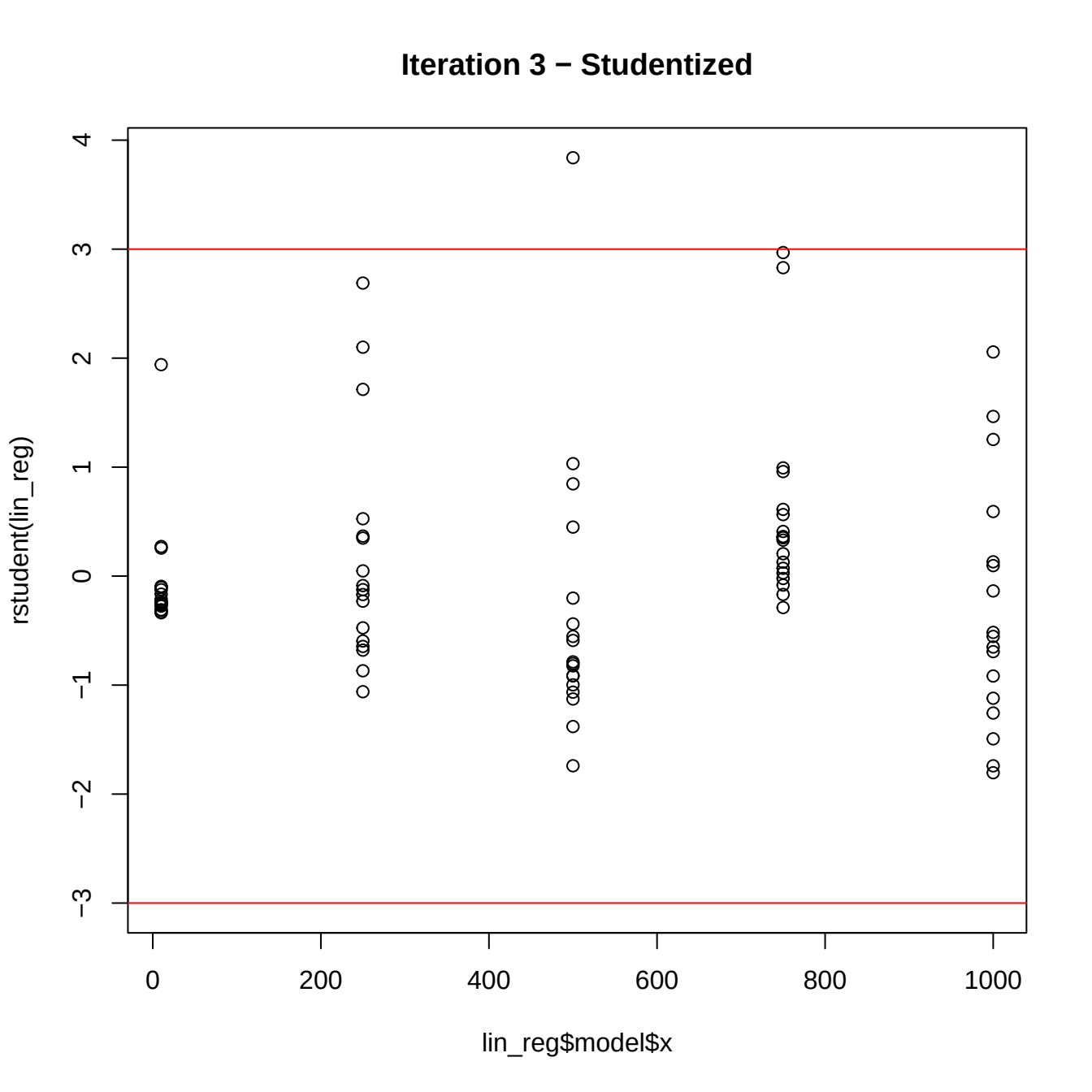

Iteration 2
lin_reg$model$y
lin_reg$model$x
0
500
1000
1500
2000
2500
3000
0
200
400
600
800
1000

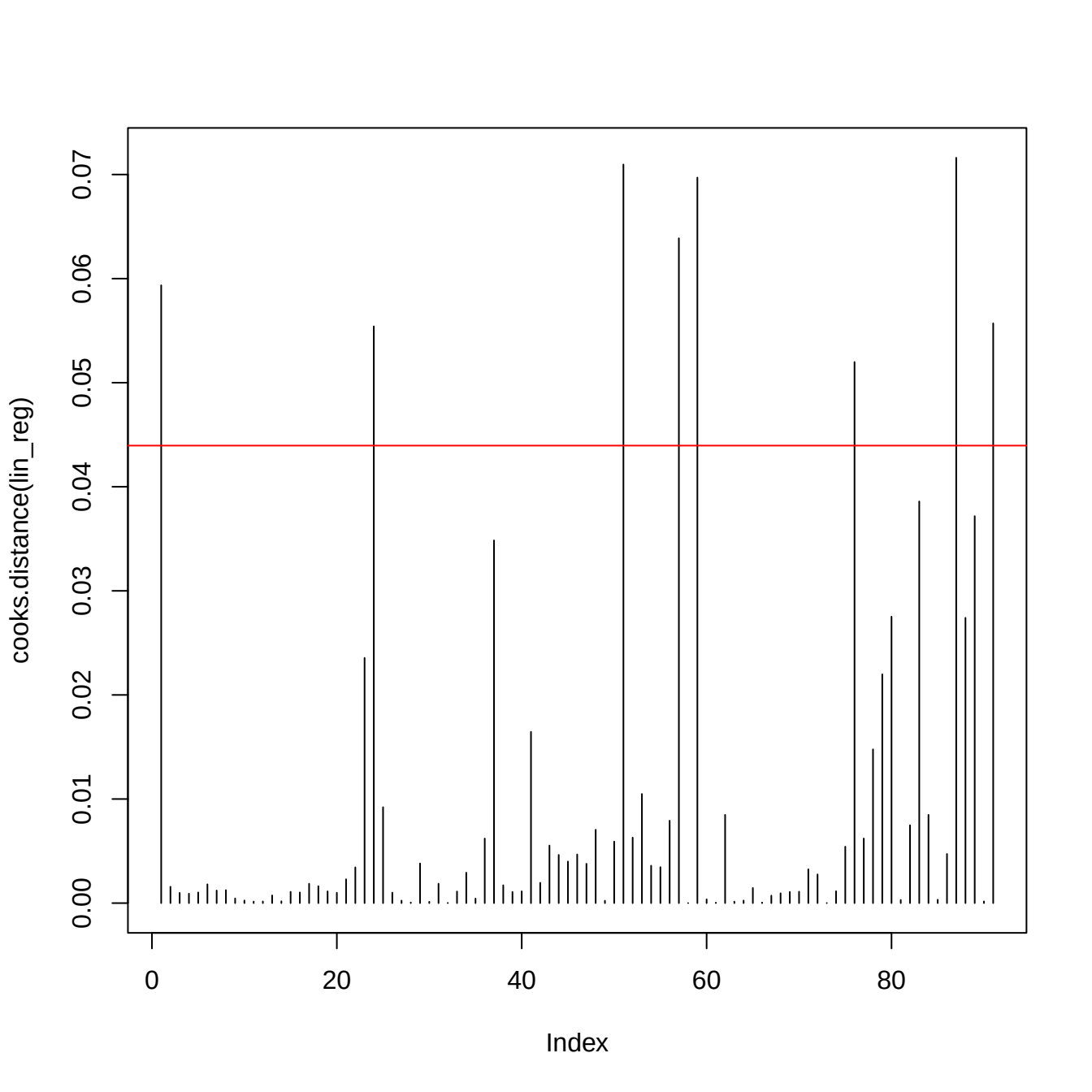

Iteration 2 − Studentized
rstudent(lin_reg)
lin_reg$model$x
4
2
0
−2
0
200
400
600
800
1000

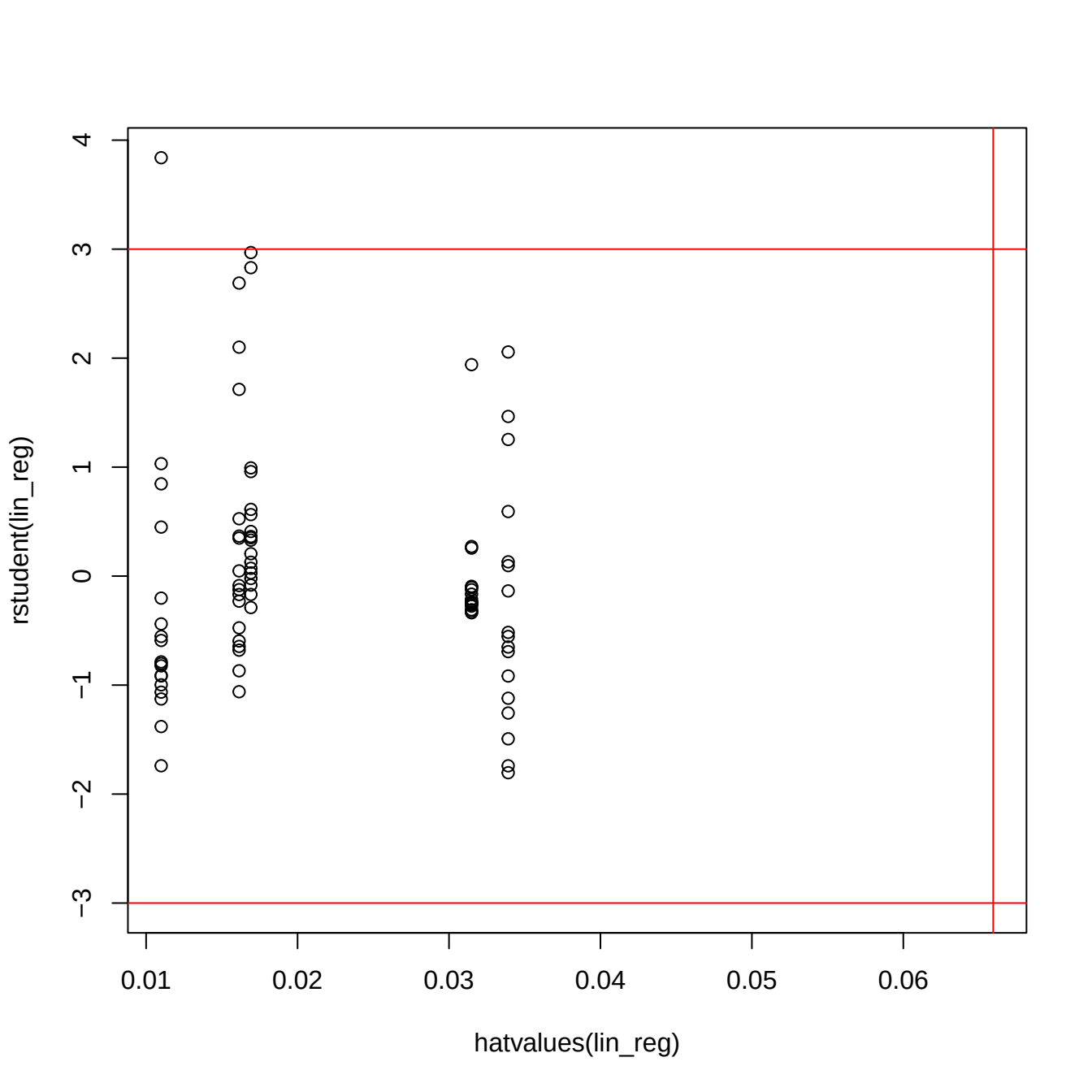

cooks.distance(lin_reg)
0.00
0.05
0.10
0.15
0.20
0.25
0
20
40
60
80
Index

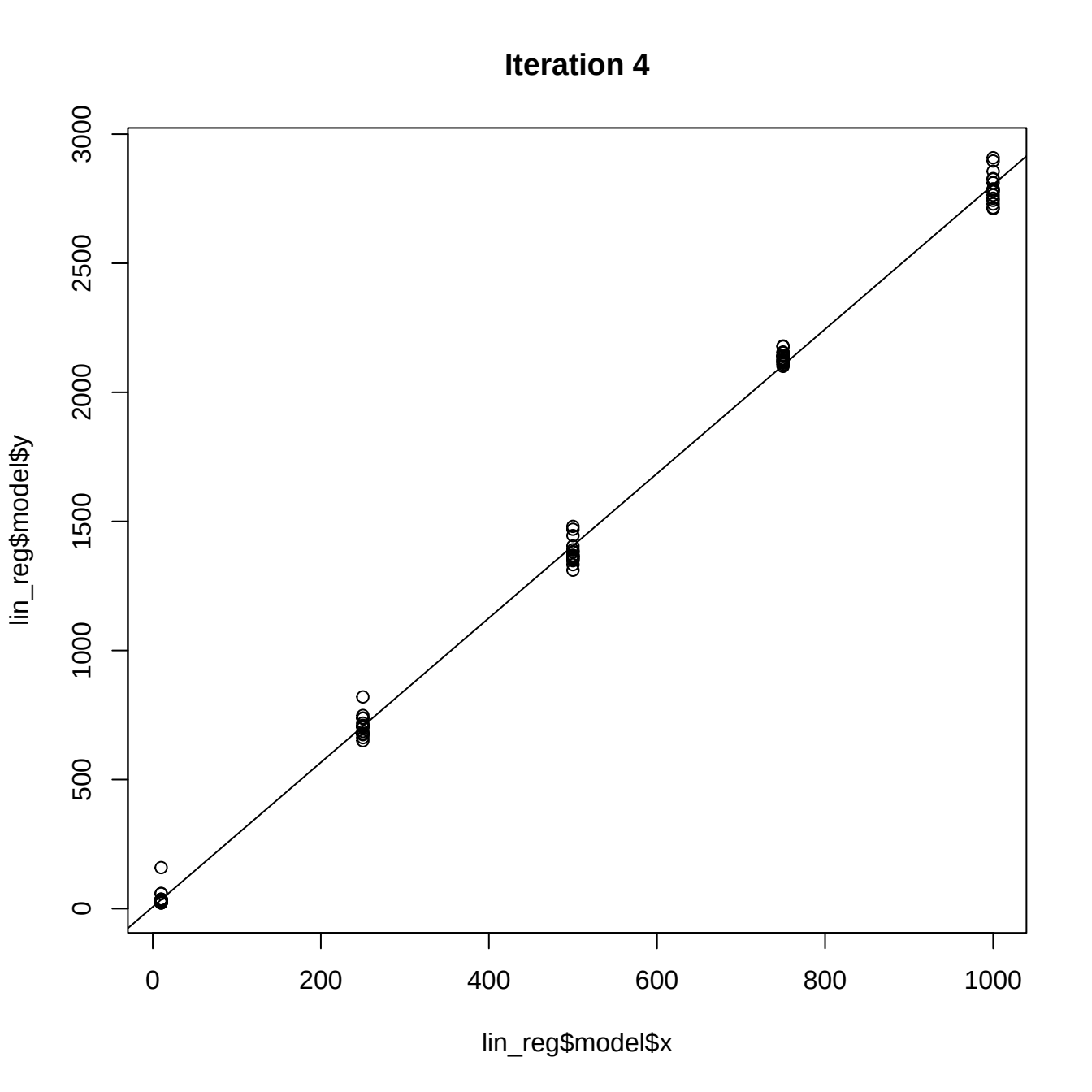

rstudent(lin_reg)
4
2
0
−2
0.01
0.02
0.03
0.04
0.05
0.06
hatvalues(lin_reg)

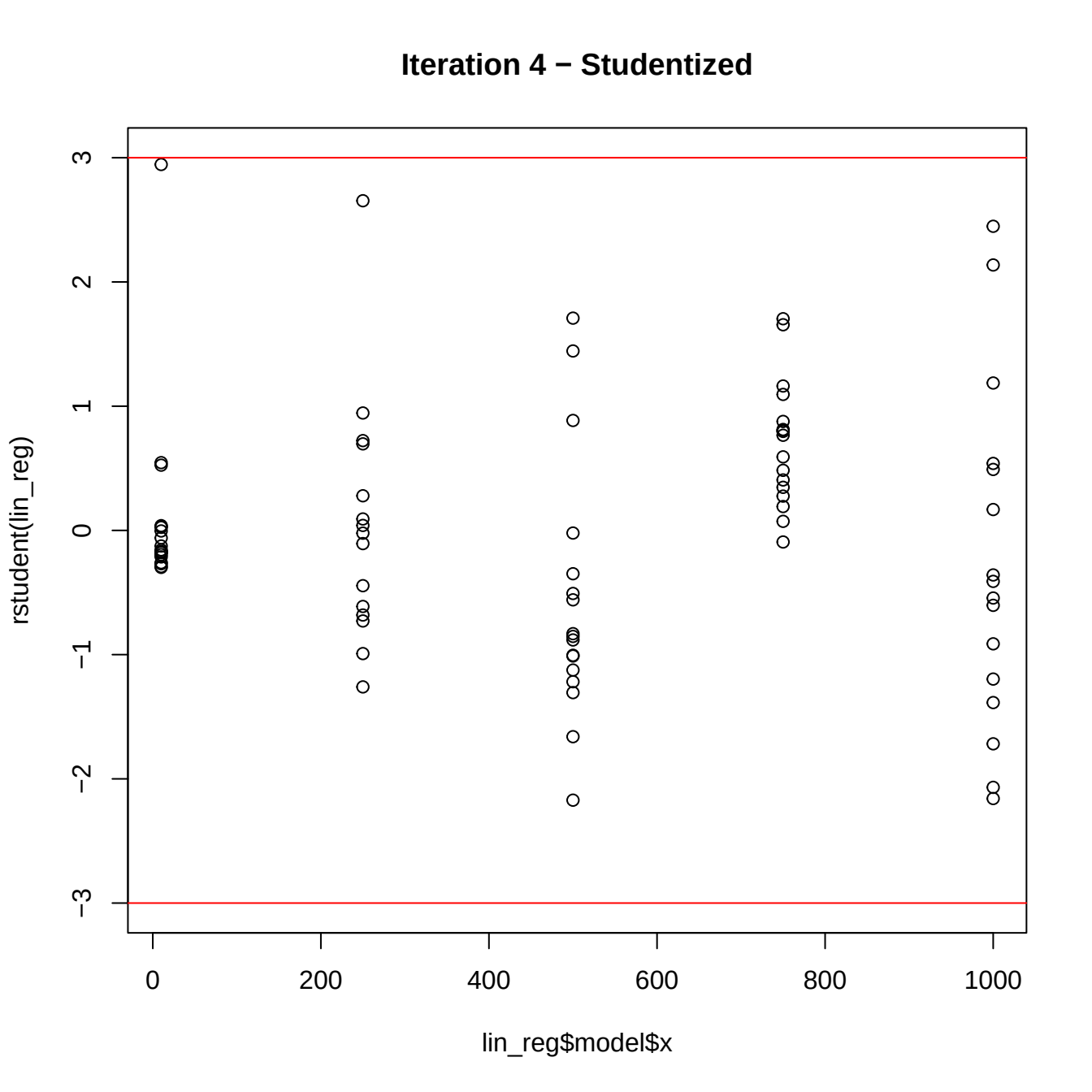

Iteration 3
lin_reg$model$y
lin_reg$model$x
0
500
1000
1500
2000
2500
3000
0
200
400
600
800
1000

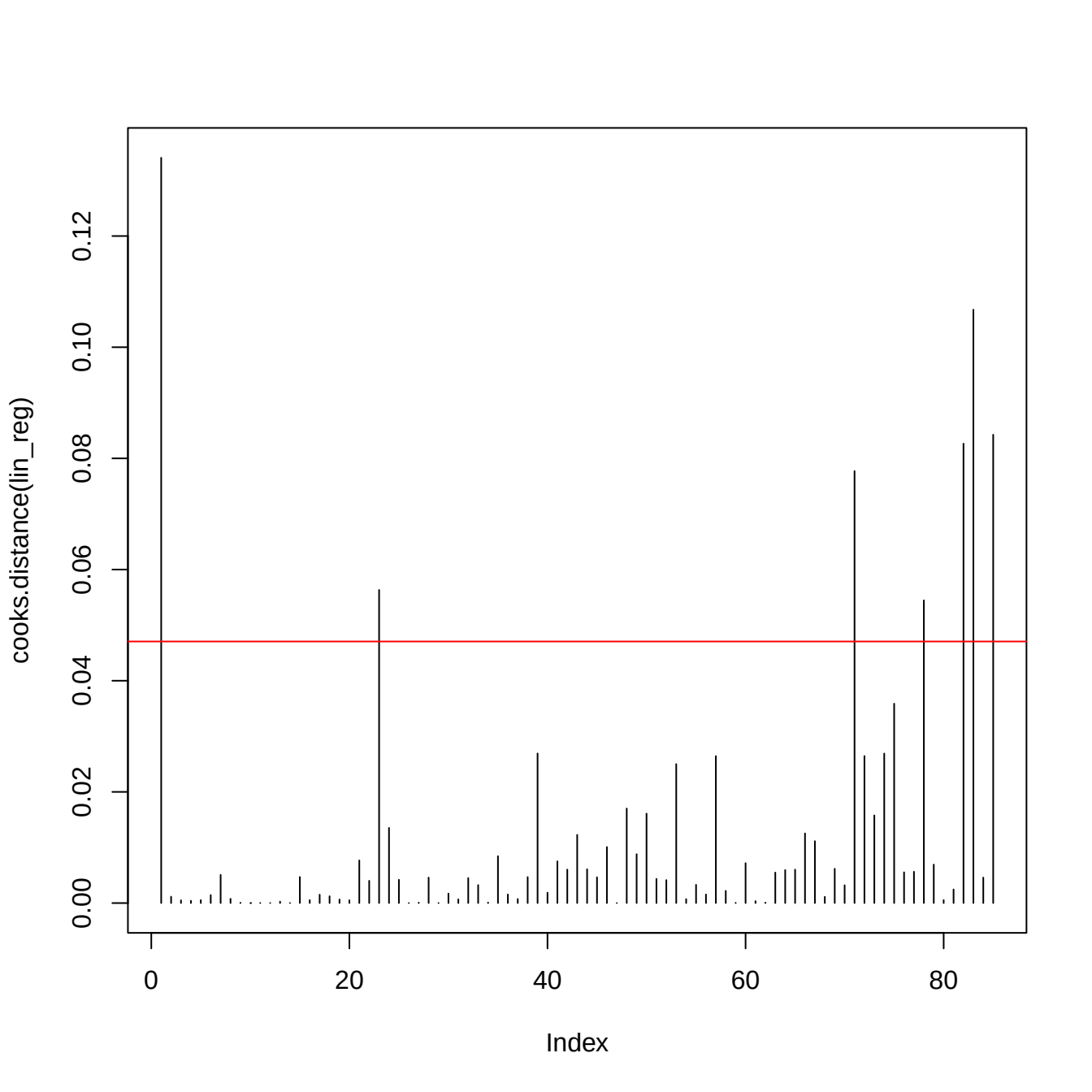

Iteration 3 − Studentized
rstudent(lin_reg)
lin_reg$model$x
4
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

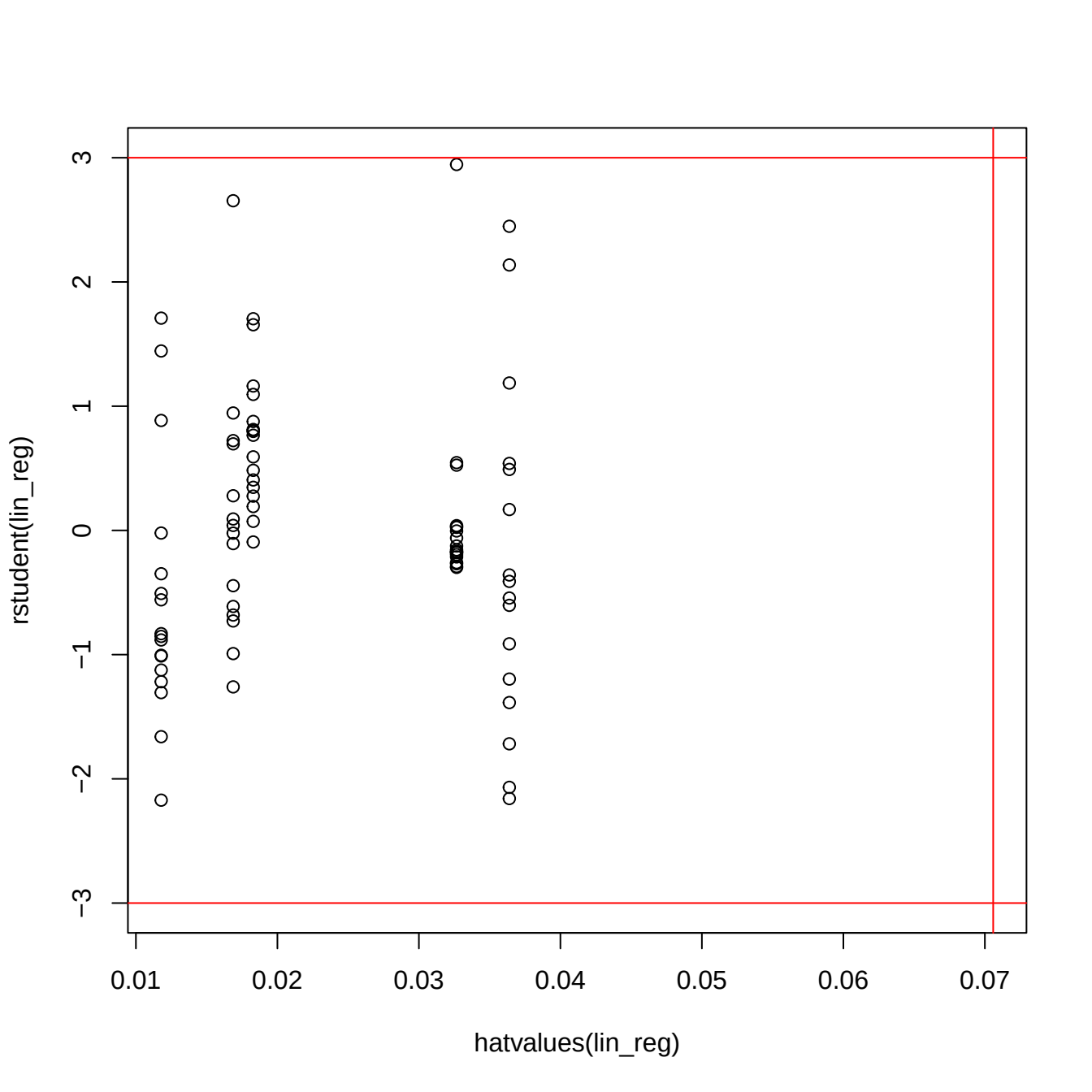

cooks.distance(lin_reg)
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0
20
40
60
80
Index

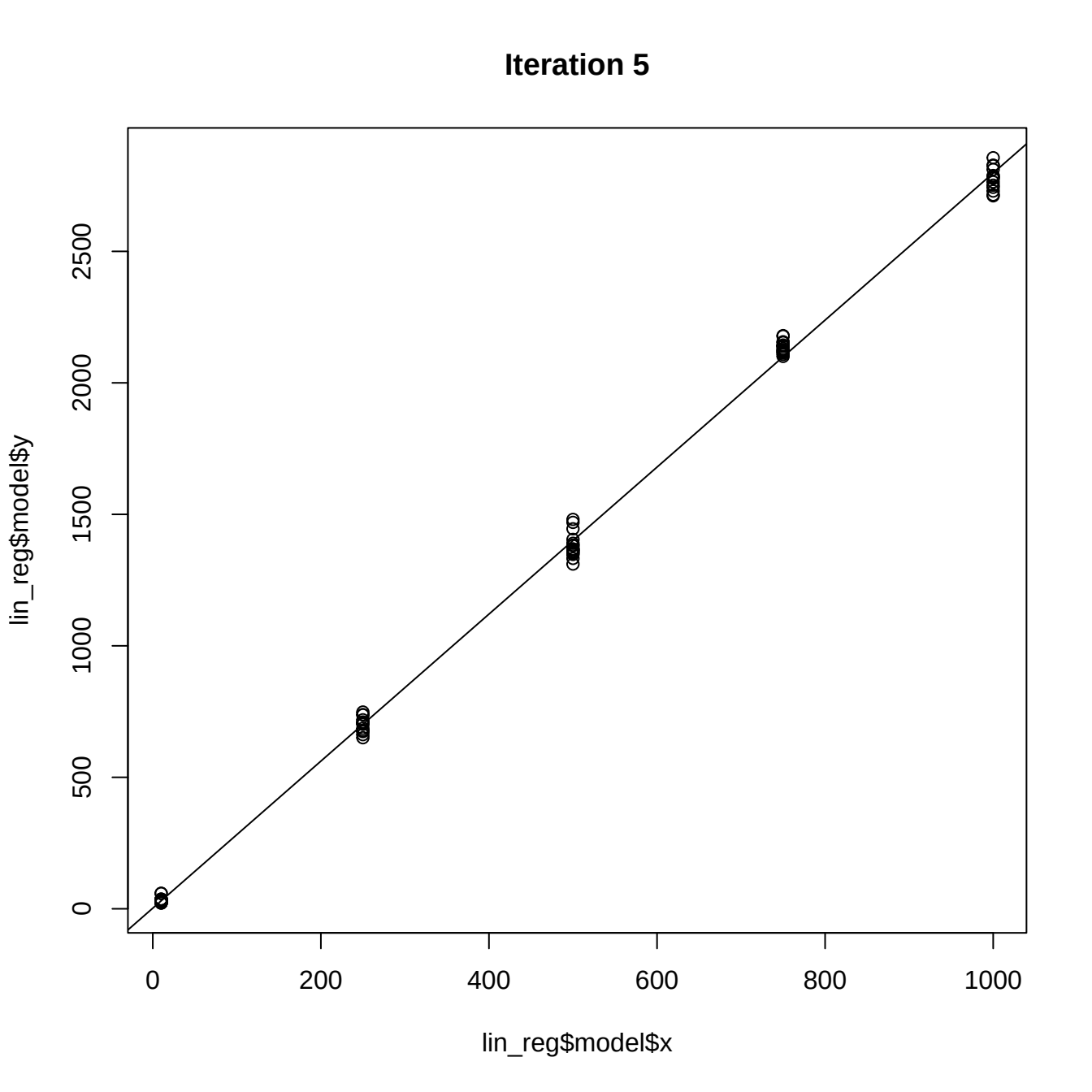

rstudent(lin_reg)
4
3
2
1
0
−1
−2
−3
0.01
0.02
0.03
0.04
0.05
0.06
hatvalues(lin_reg)

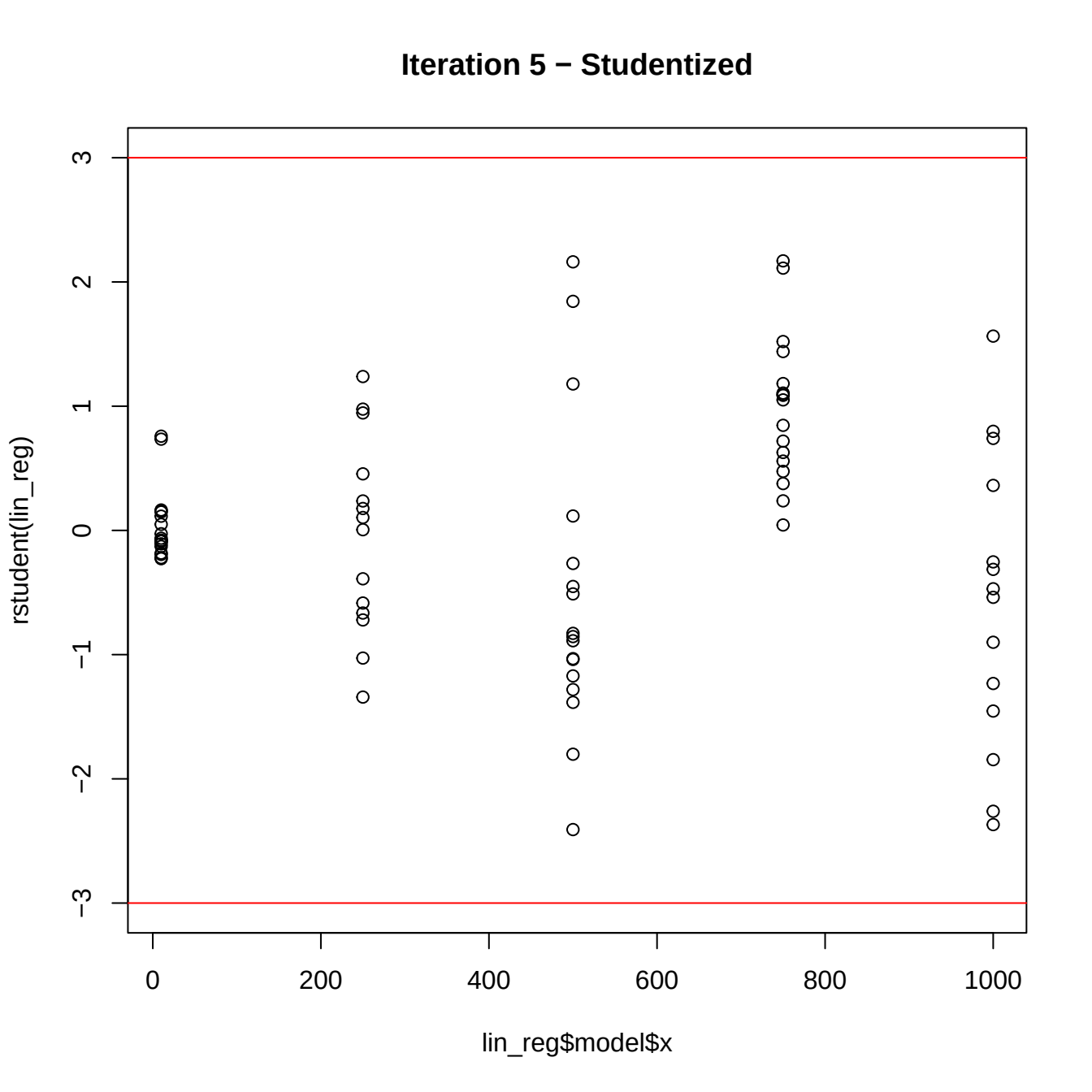

Iteration 4
lin_reg$model$y
lin_reg$model$x
0
500
1000
1500
2000
2500
3000
0
200
400
600
800
1000

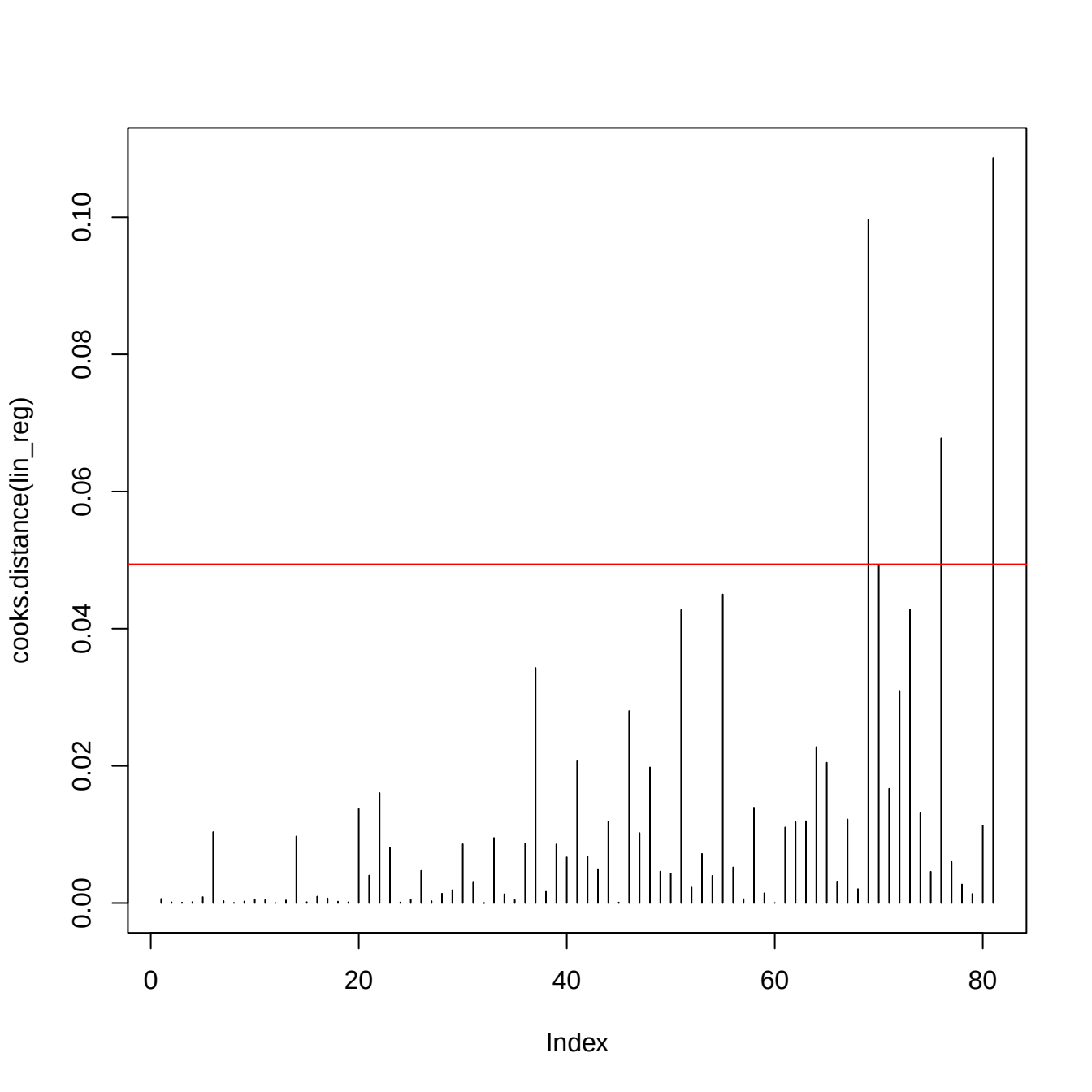

Iteration 4 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

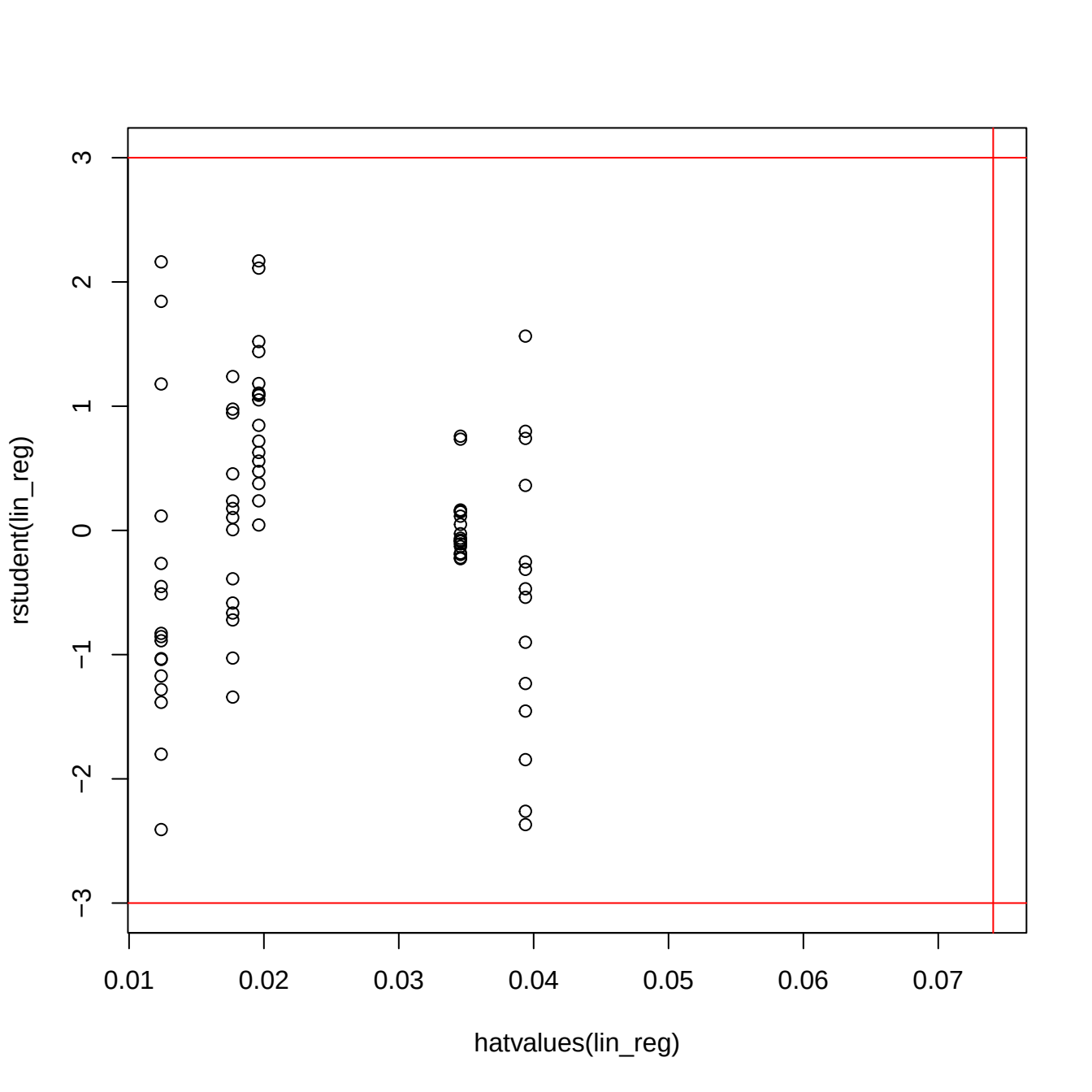

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index

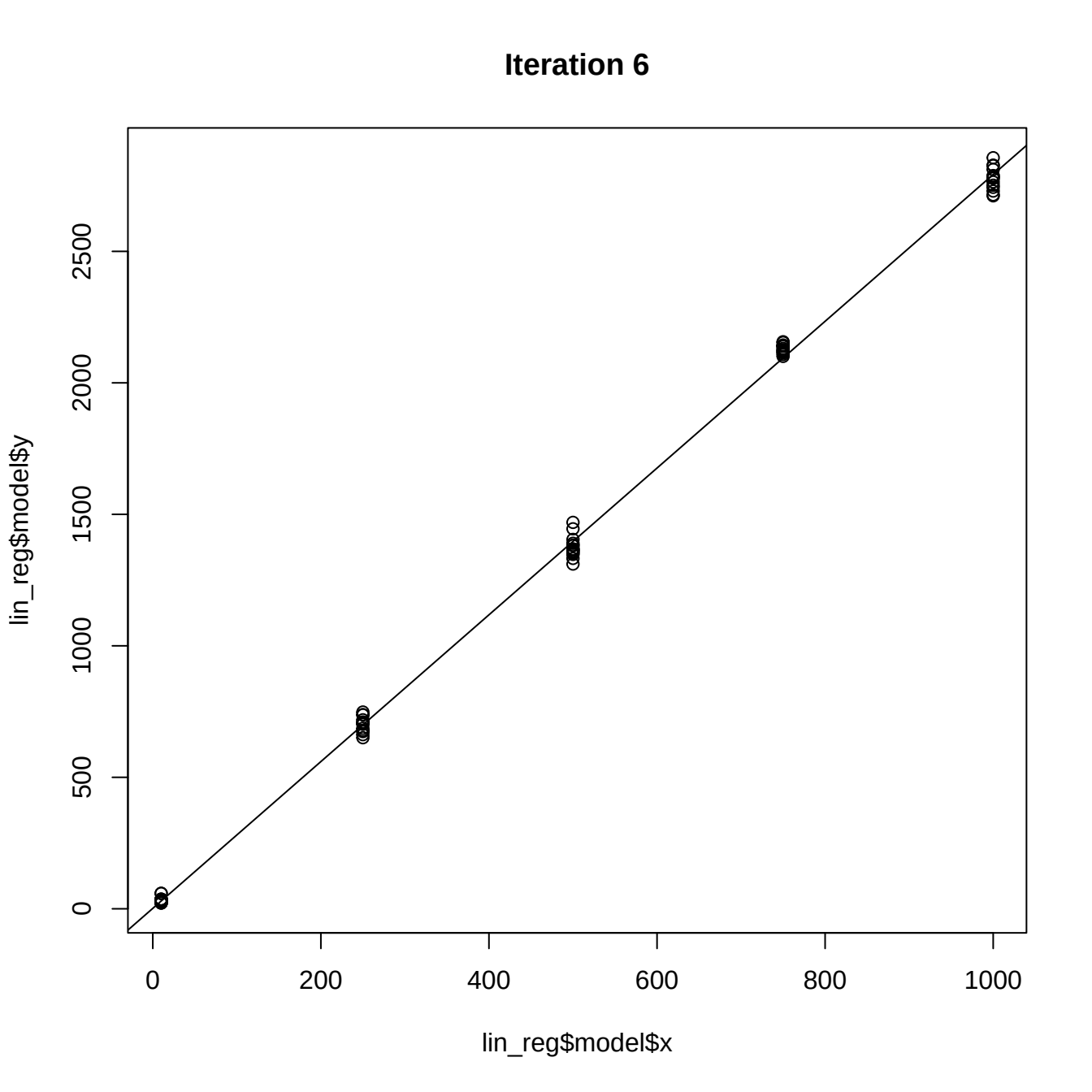

rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.01
0.02
0.03
0.04
0.05
0.06
0.07
hatvalues(lin_reg)

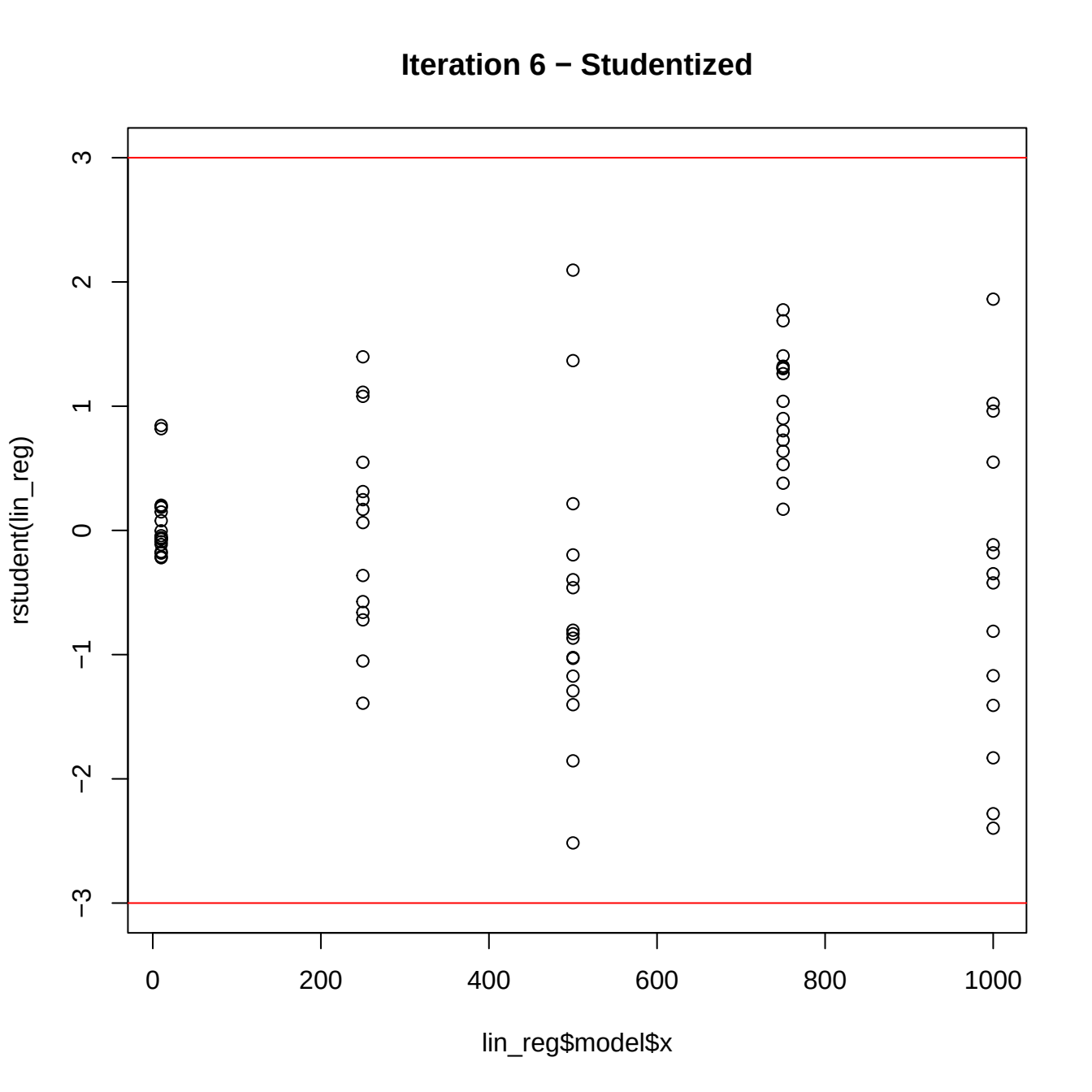

Iteration 5
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x

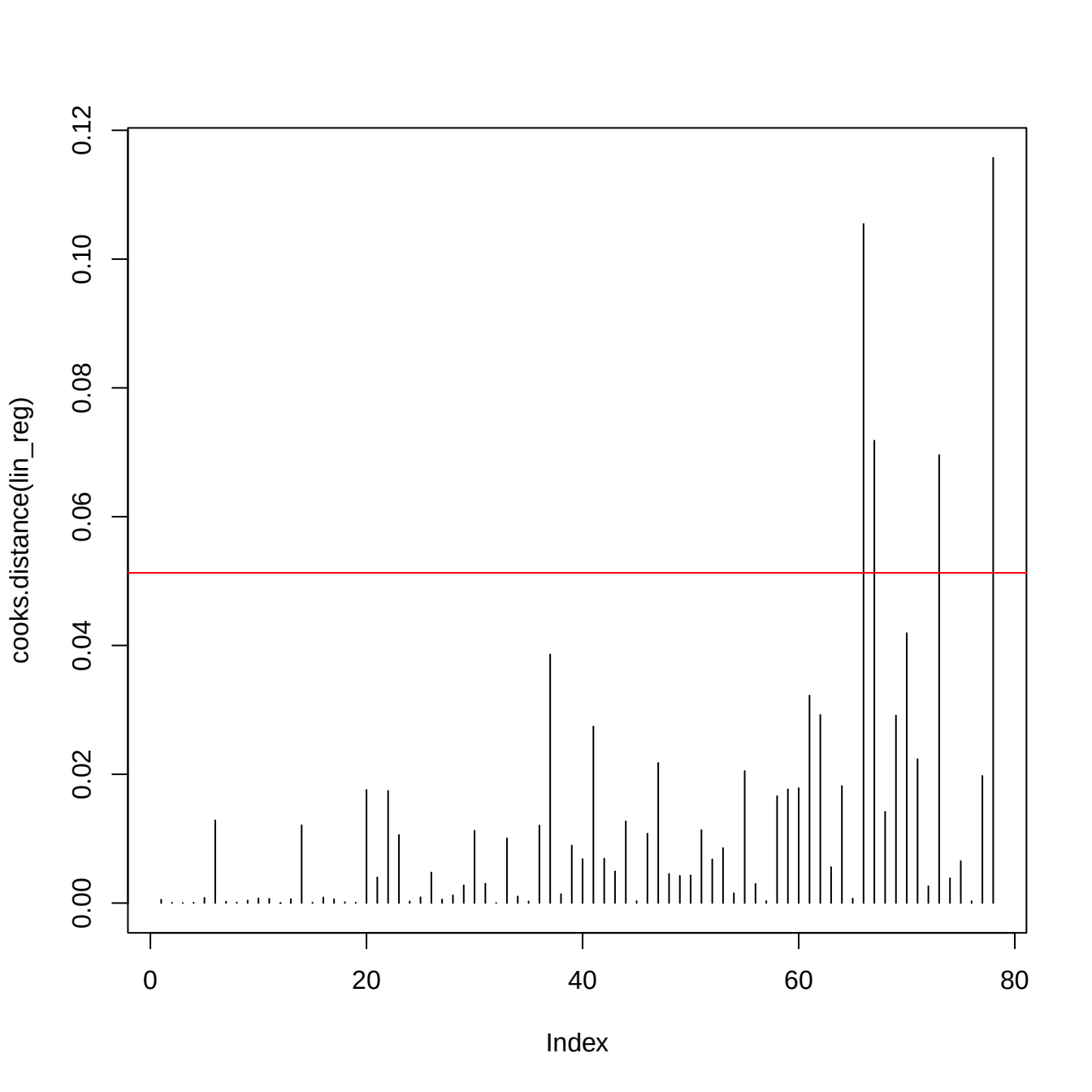

Iteration 5 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

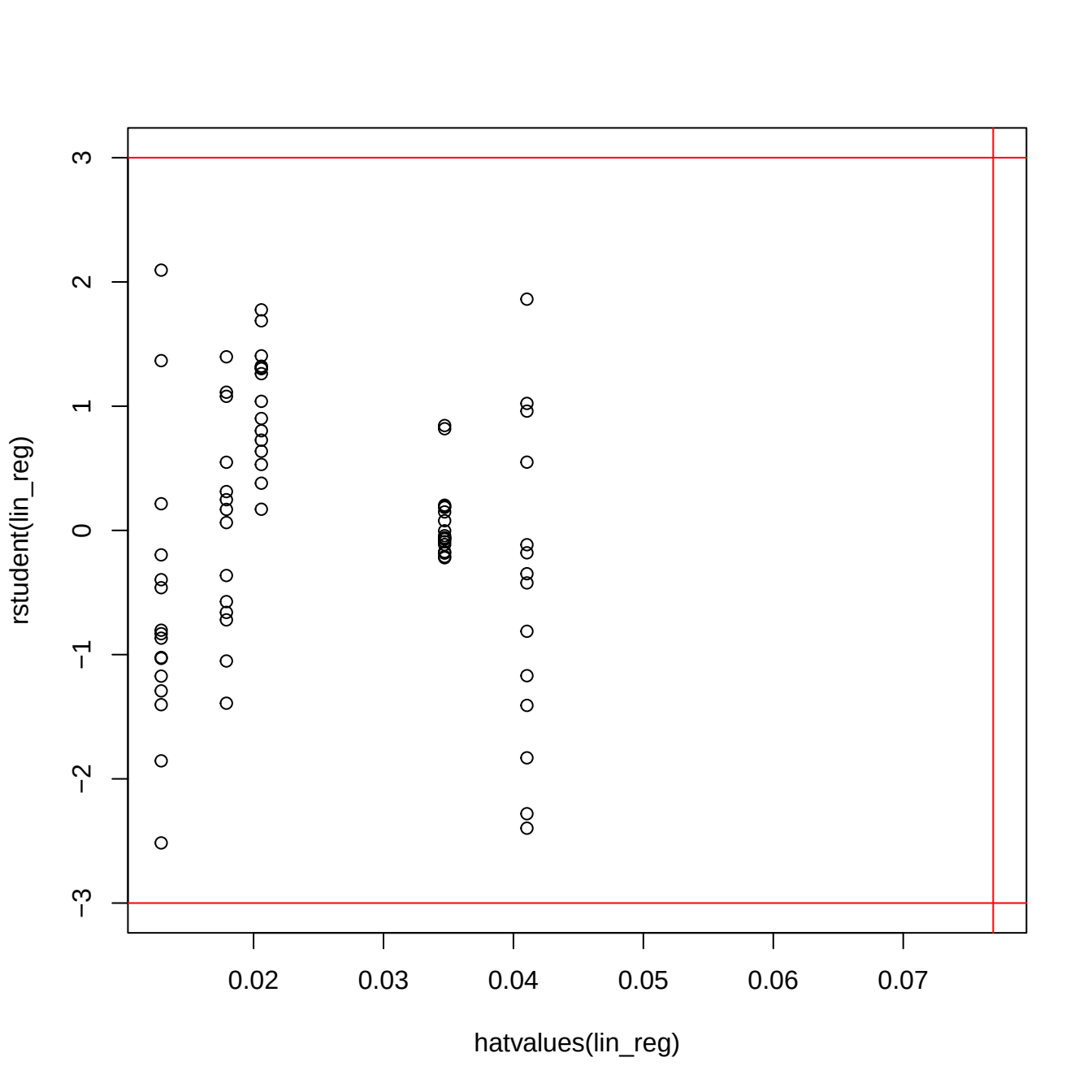

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0
20
40
60
80
Index

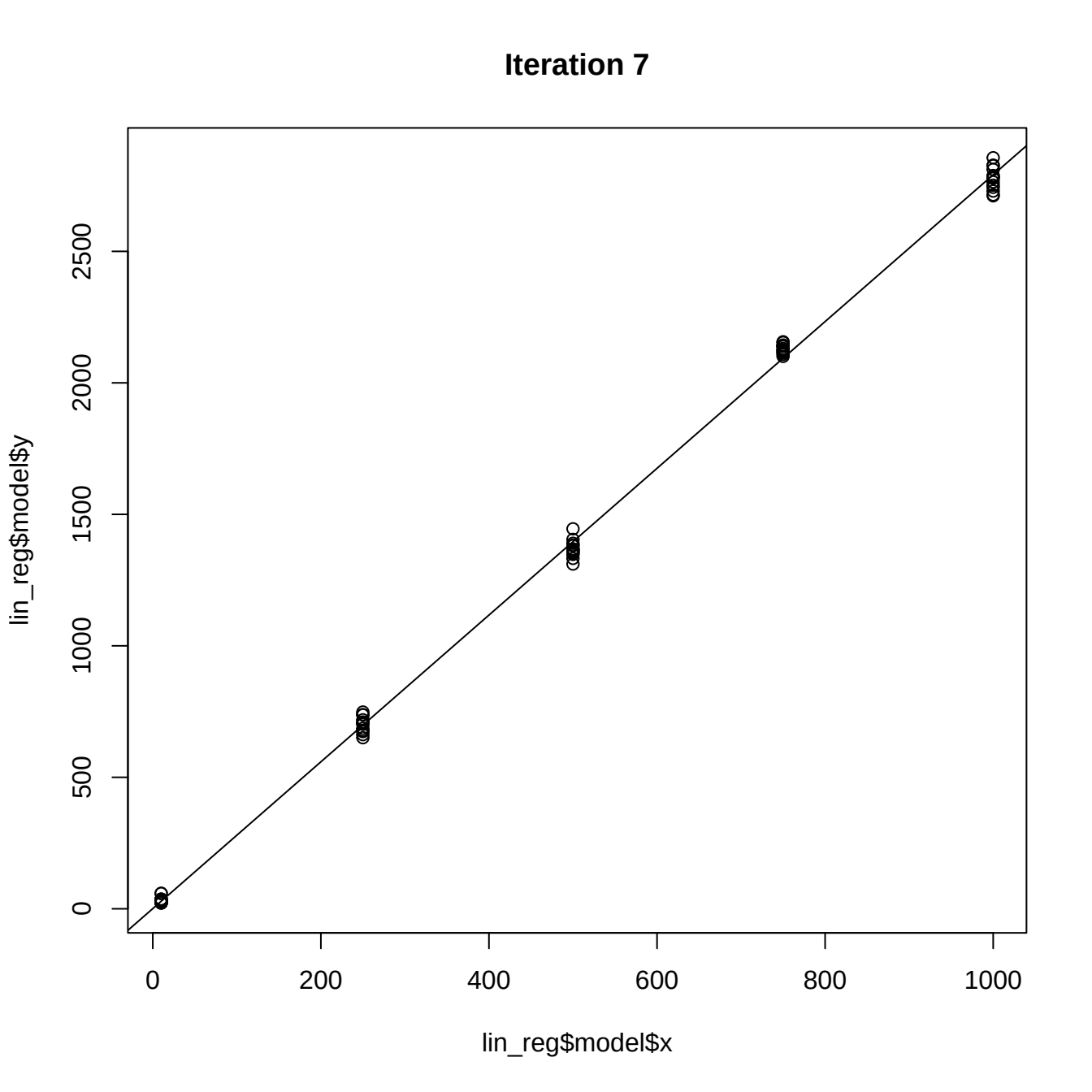

rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.01
0.02
0.03
0.04
0.05
0.06
0.07
hatvalues(lin_reg)

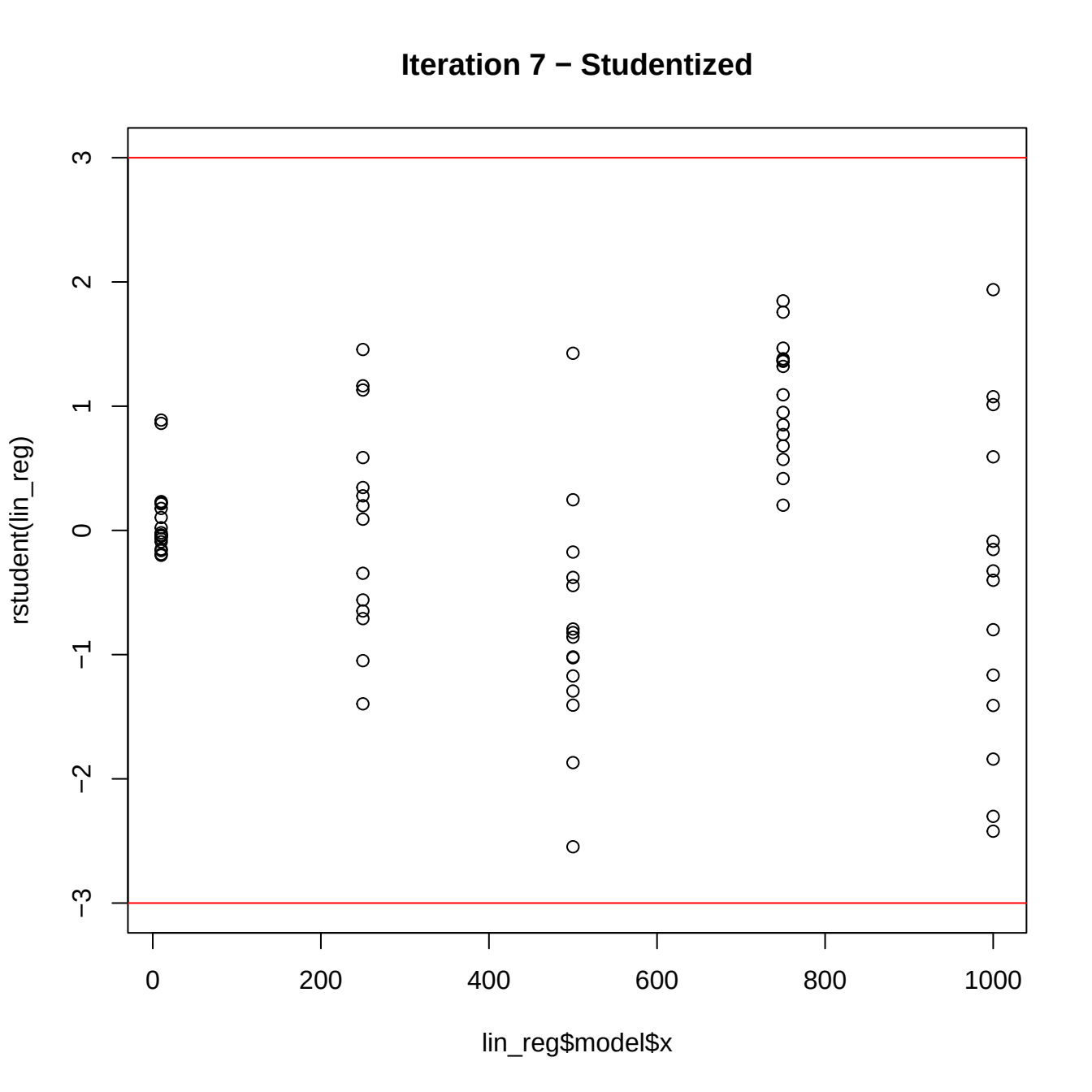

Iteration 6
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x

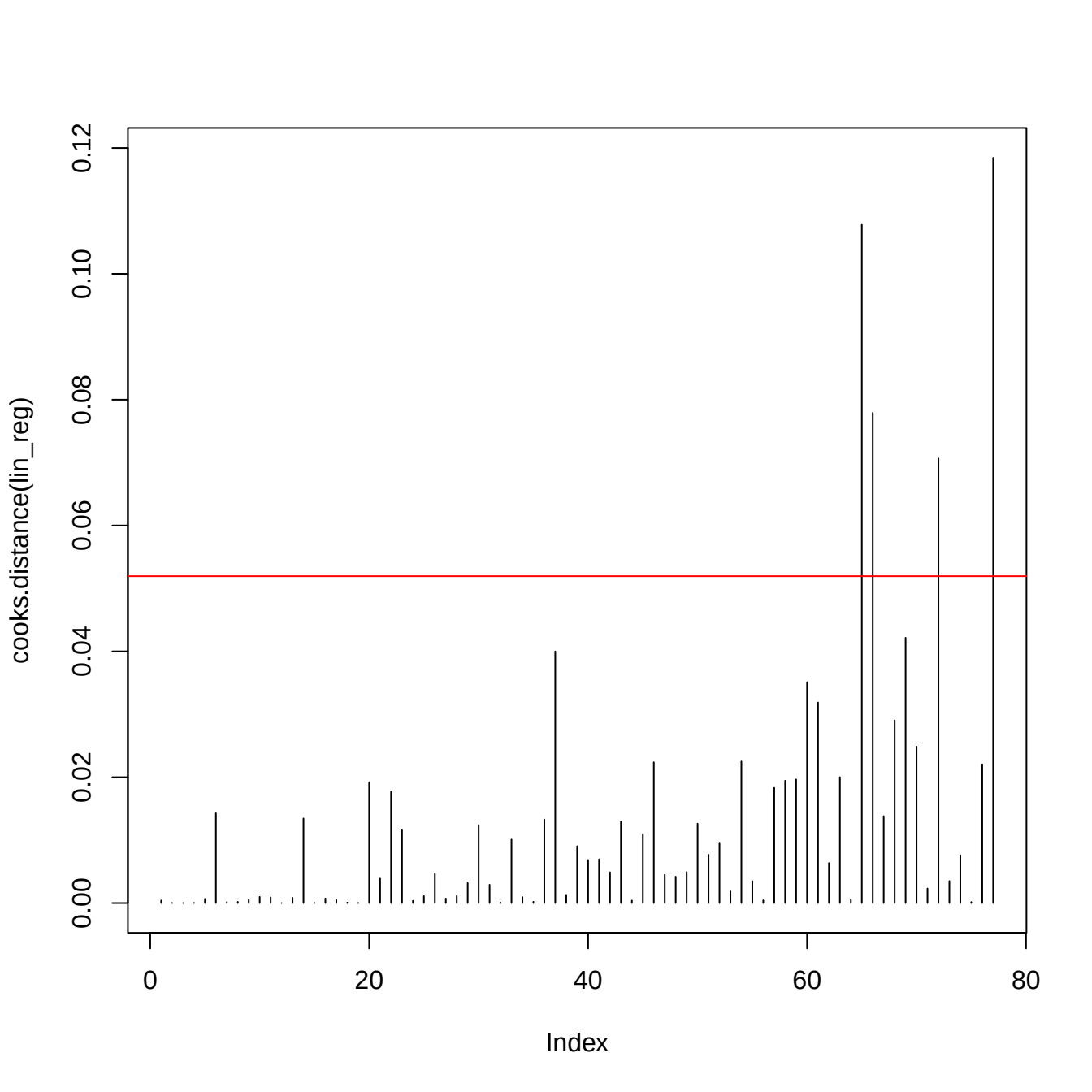

Iteration 6 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

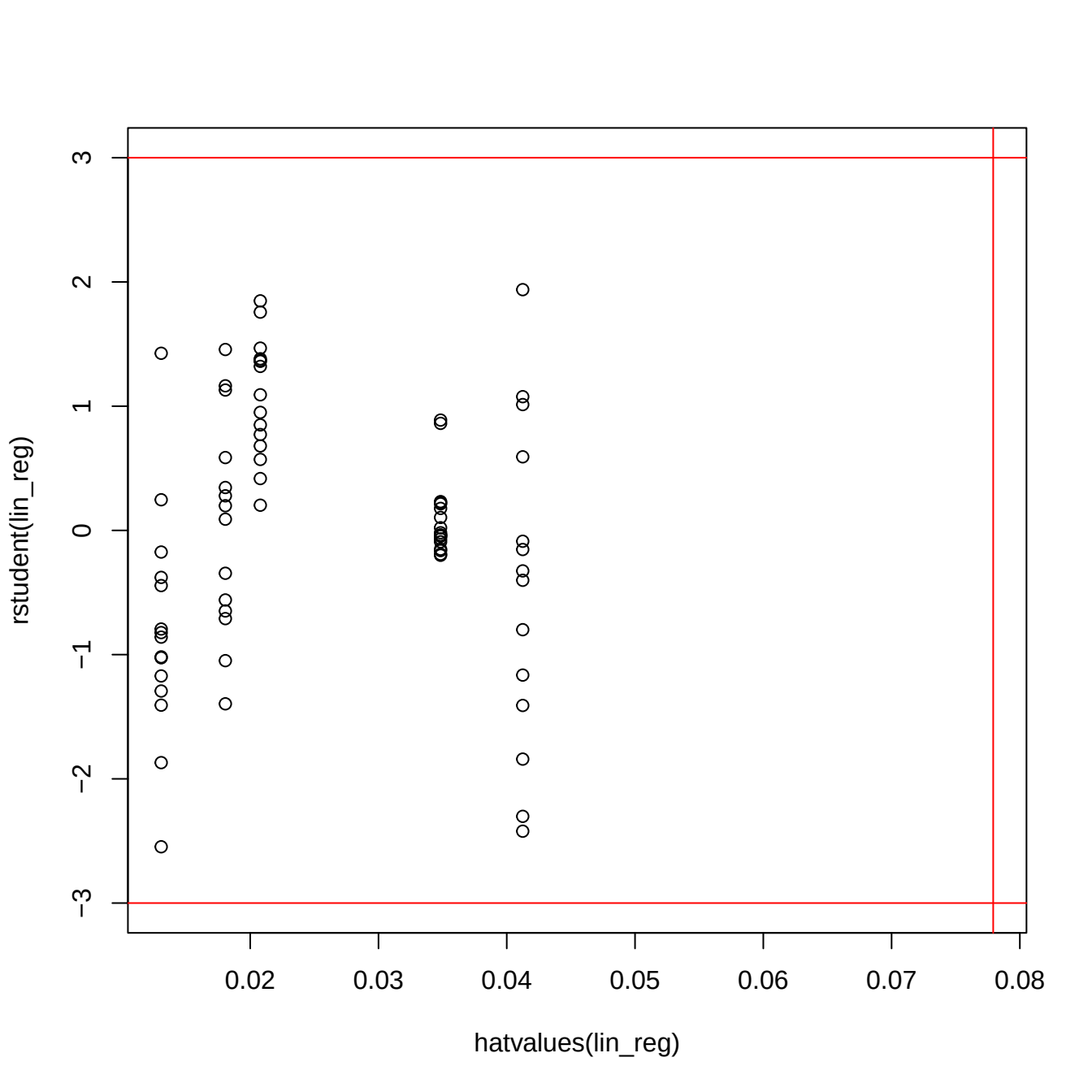

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index

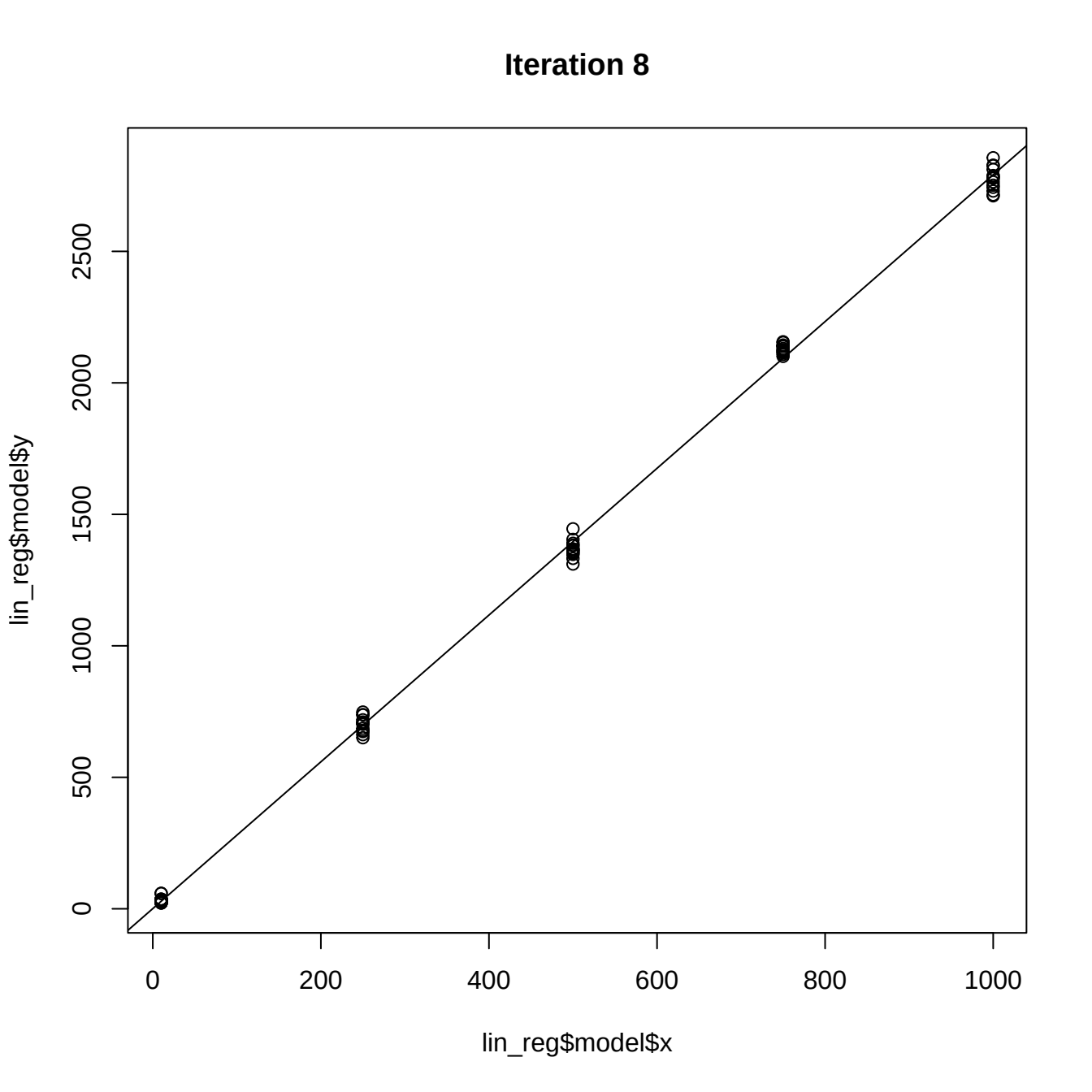

rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.02
0.03
0.04
0.05
0.06
0.07
hatvalues(lin_reg)

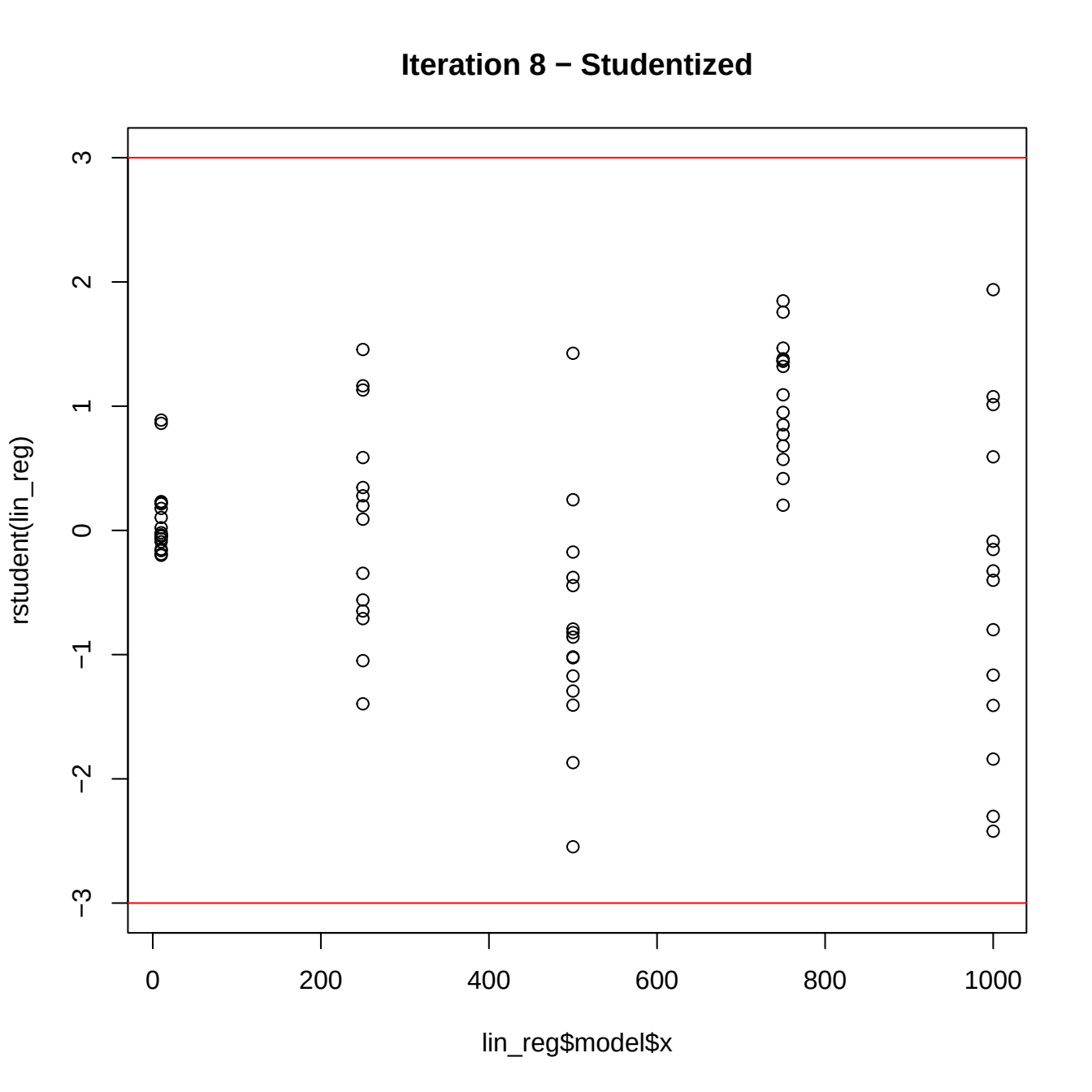

Iteration 7
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x

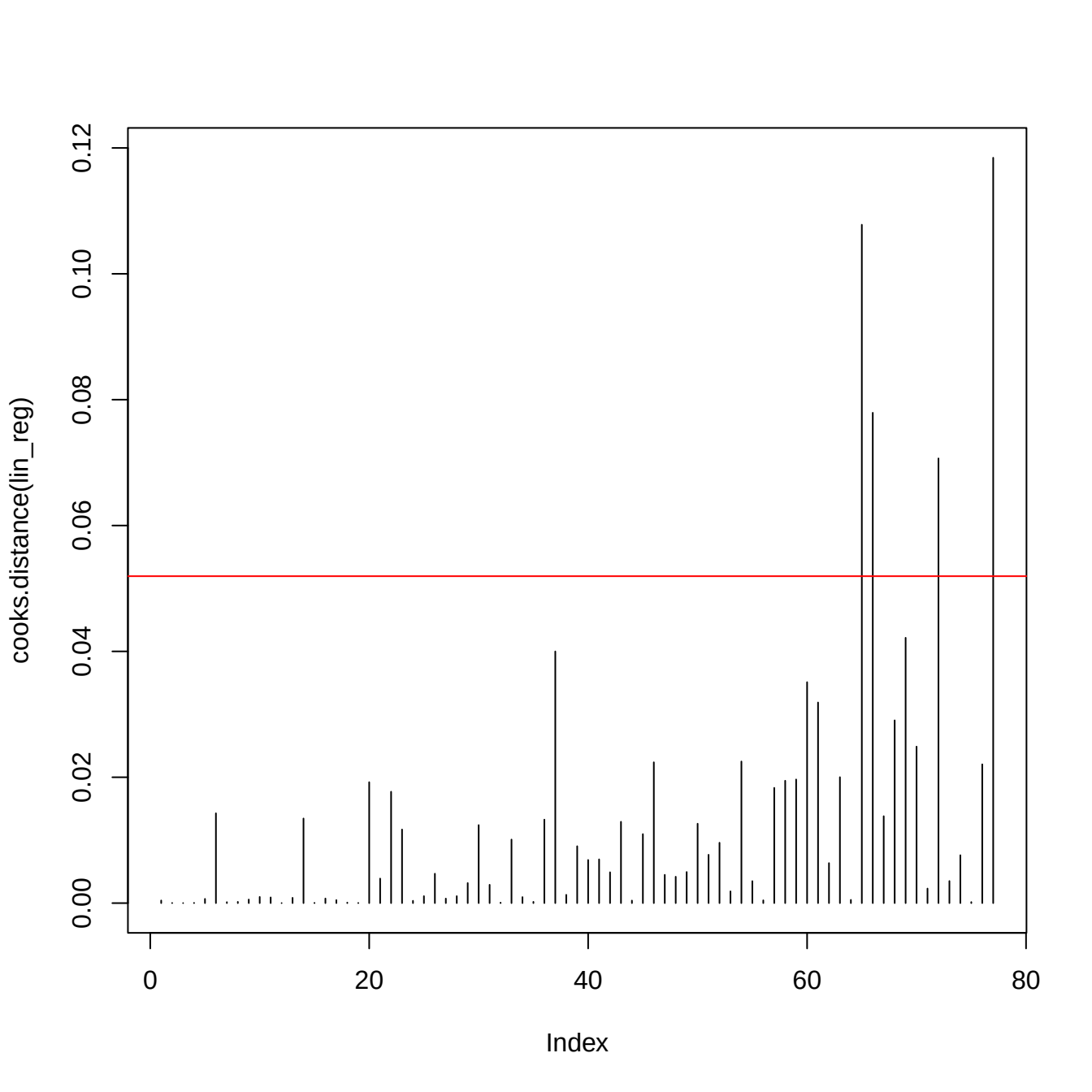

Iteration 7 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

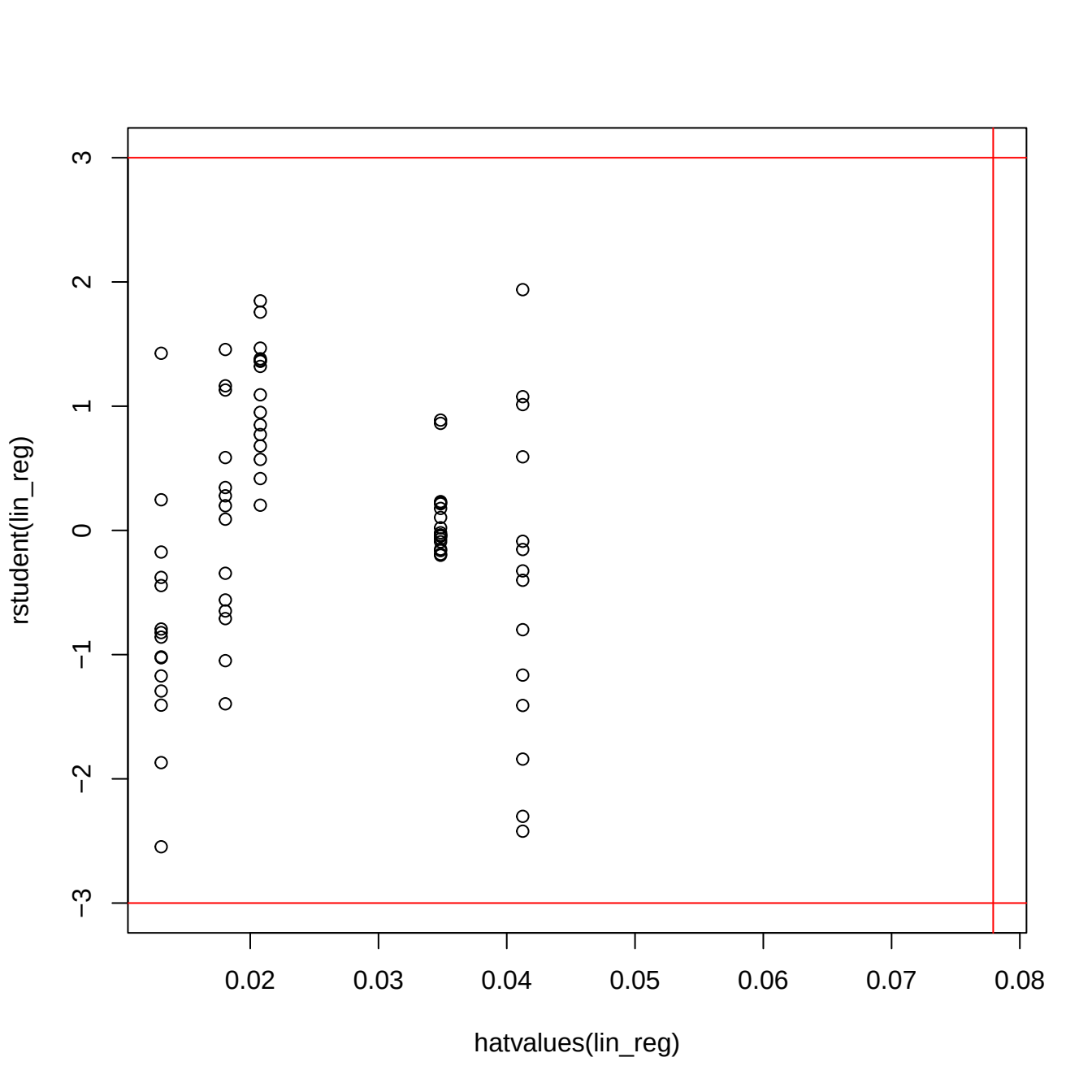

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index

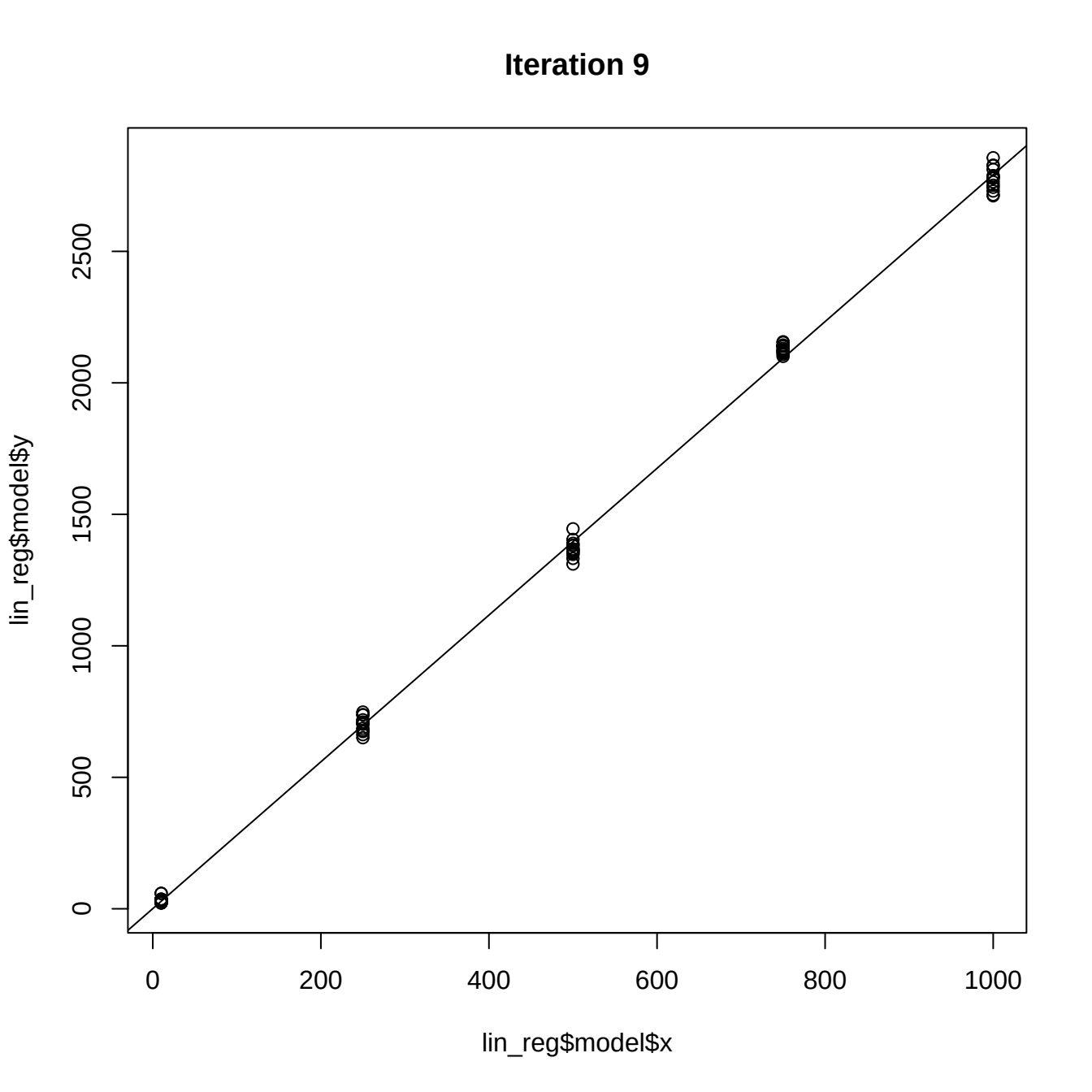

rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.02
0.03
0.04
0.05
0.06
0.07
0.08
hatvalues(lin_reg)

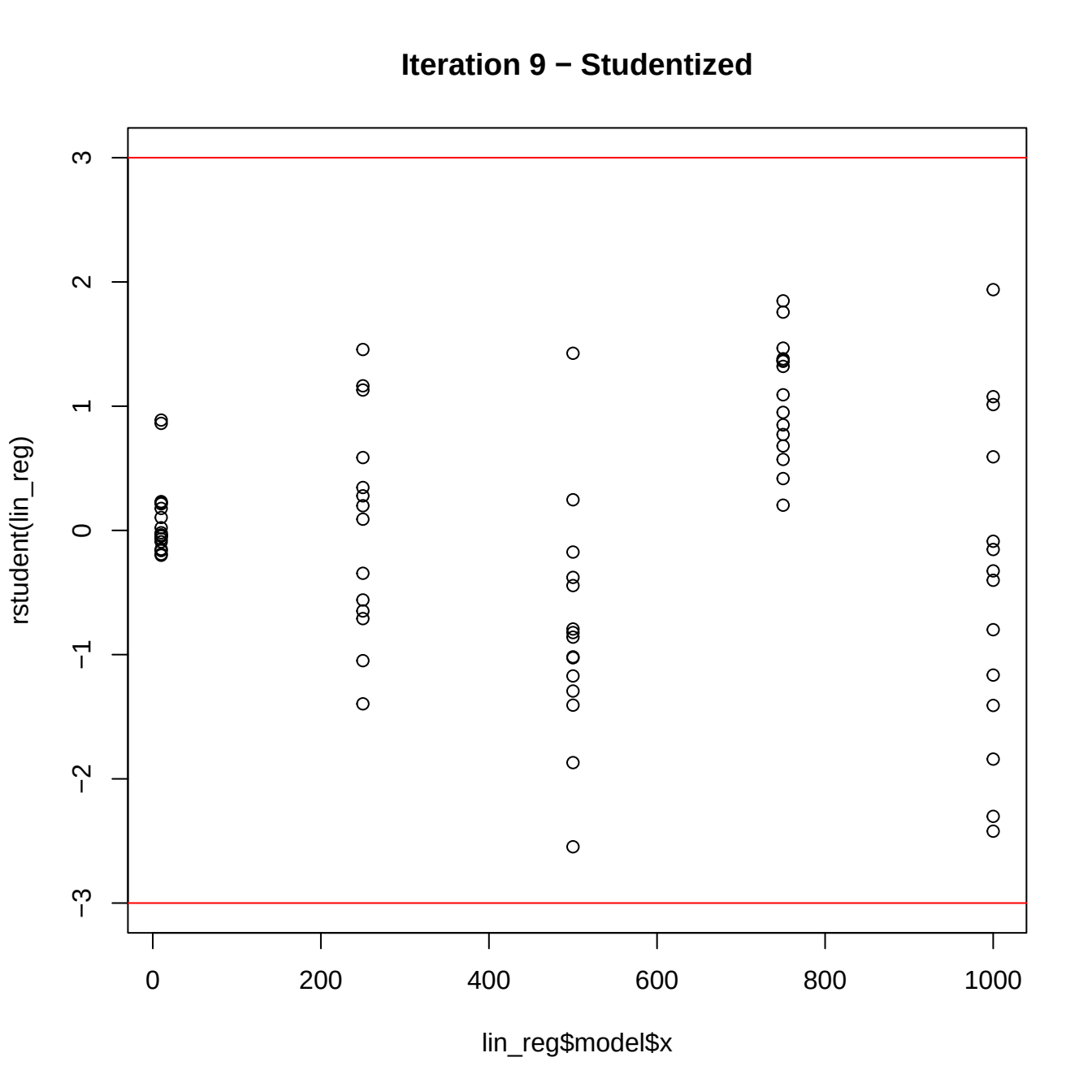

Iteration 8
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x

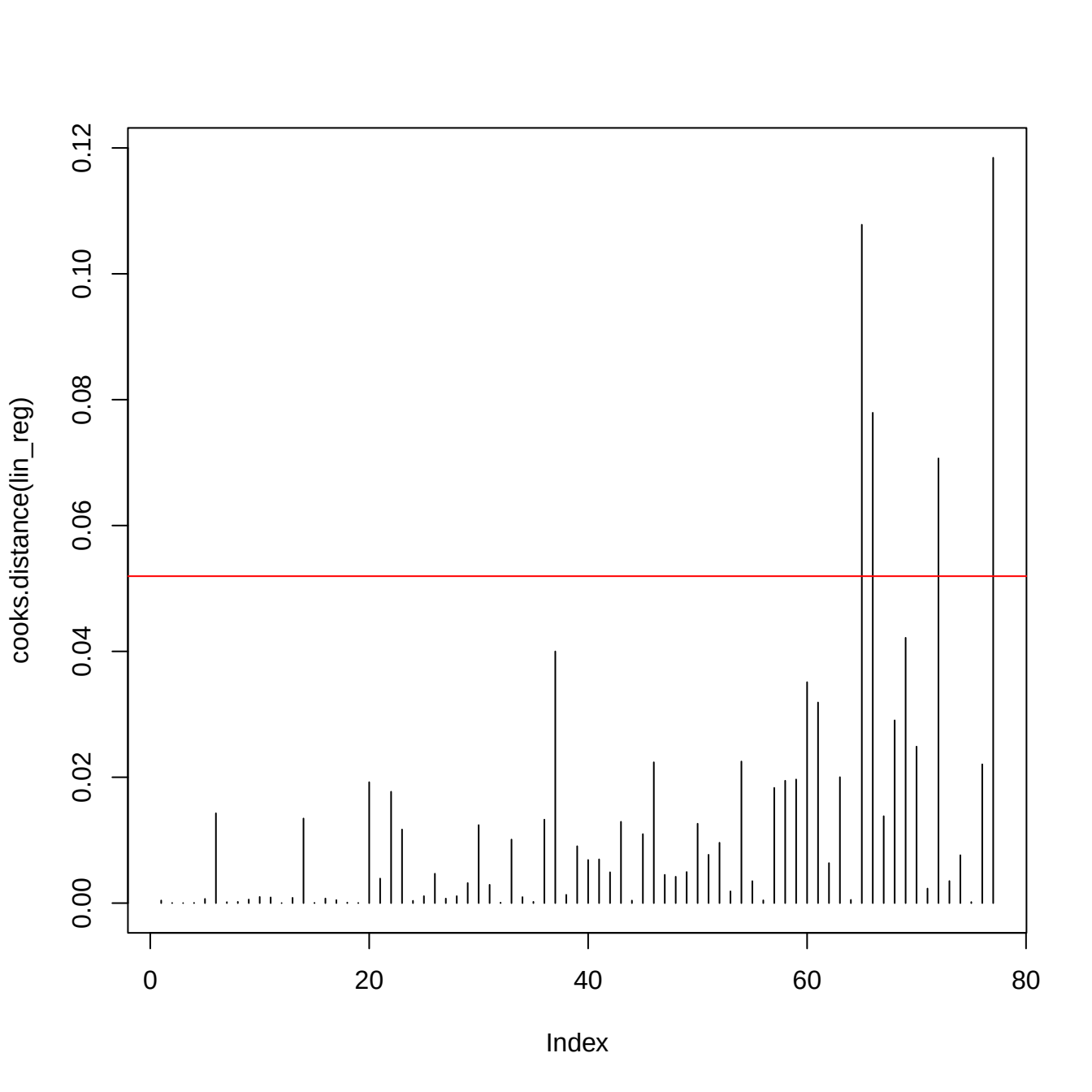

Iteration 8 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

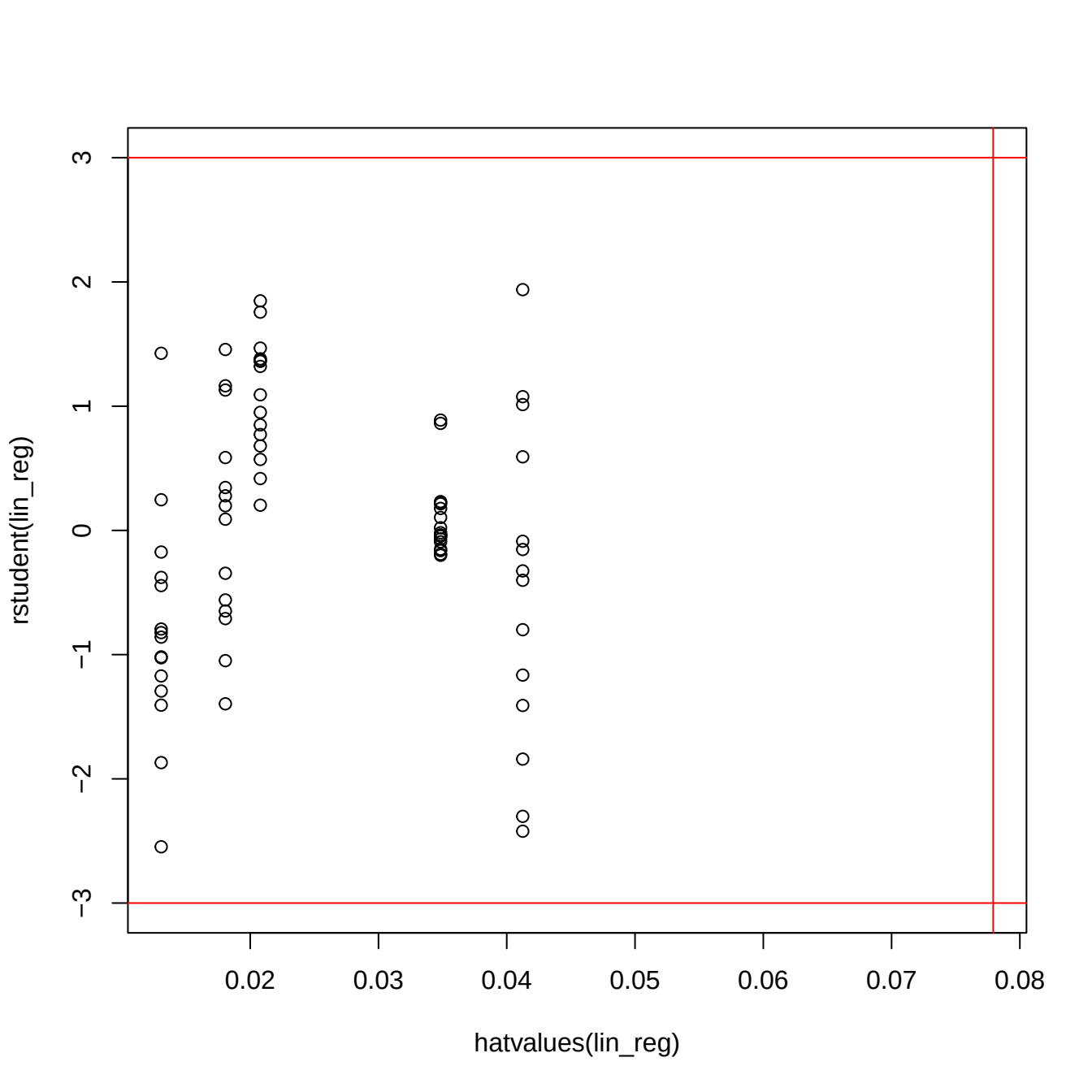

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index

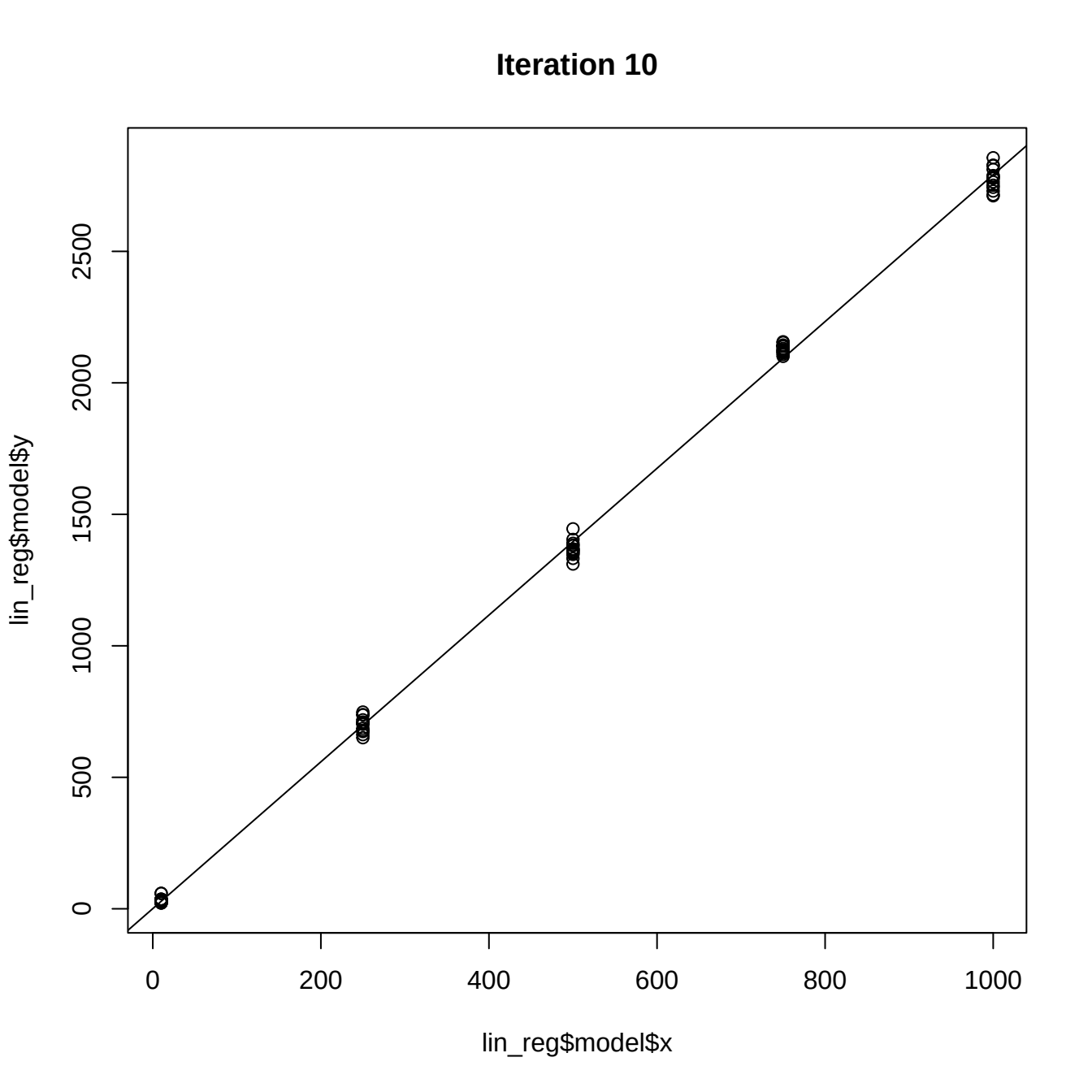

rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.02
0.03
0.04
0.05
0.06
0.07
0.08
hatvalues(lin_reg)

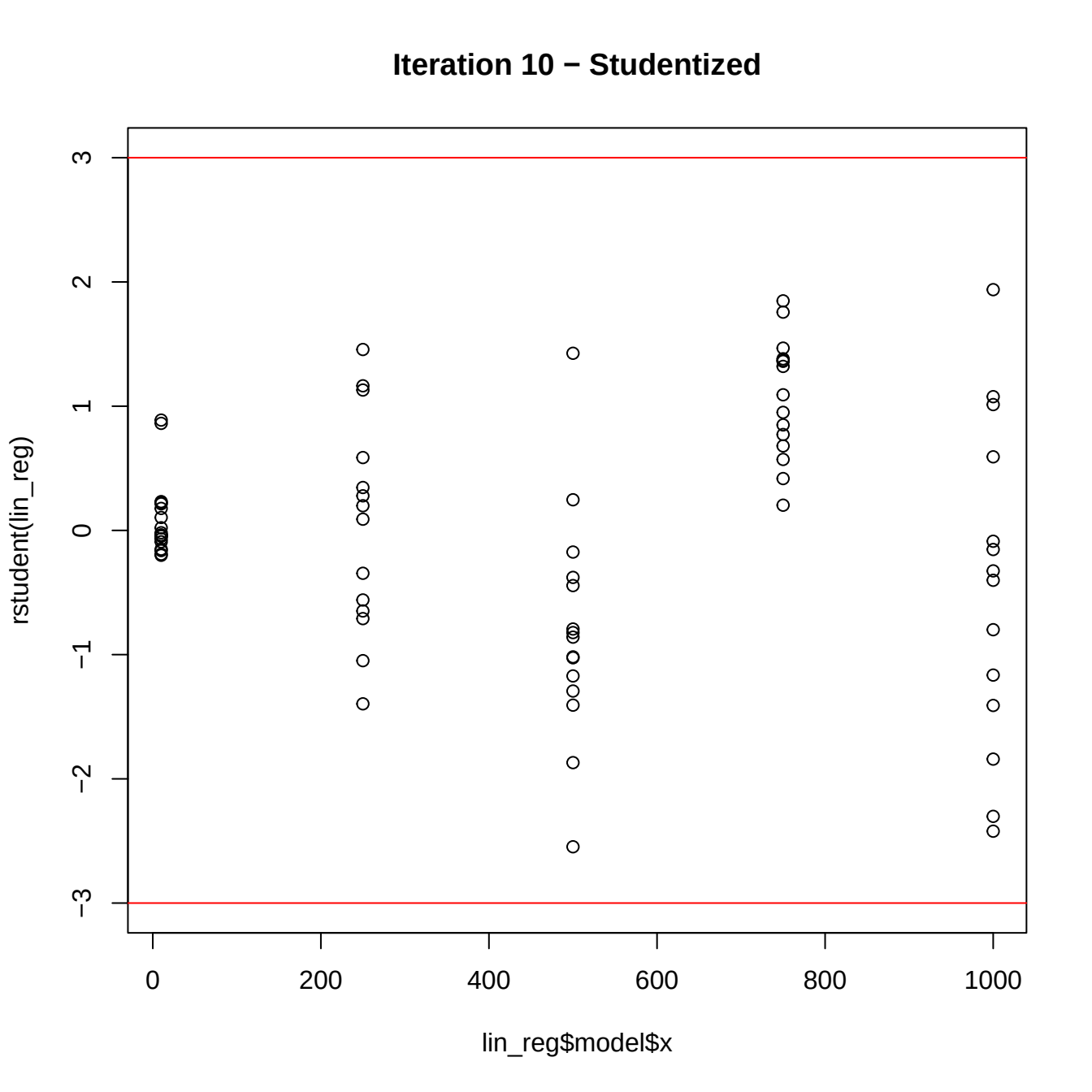

Iteration 9
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x

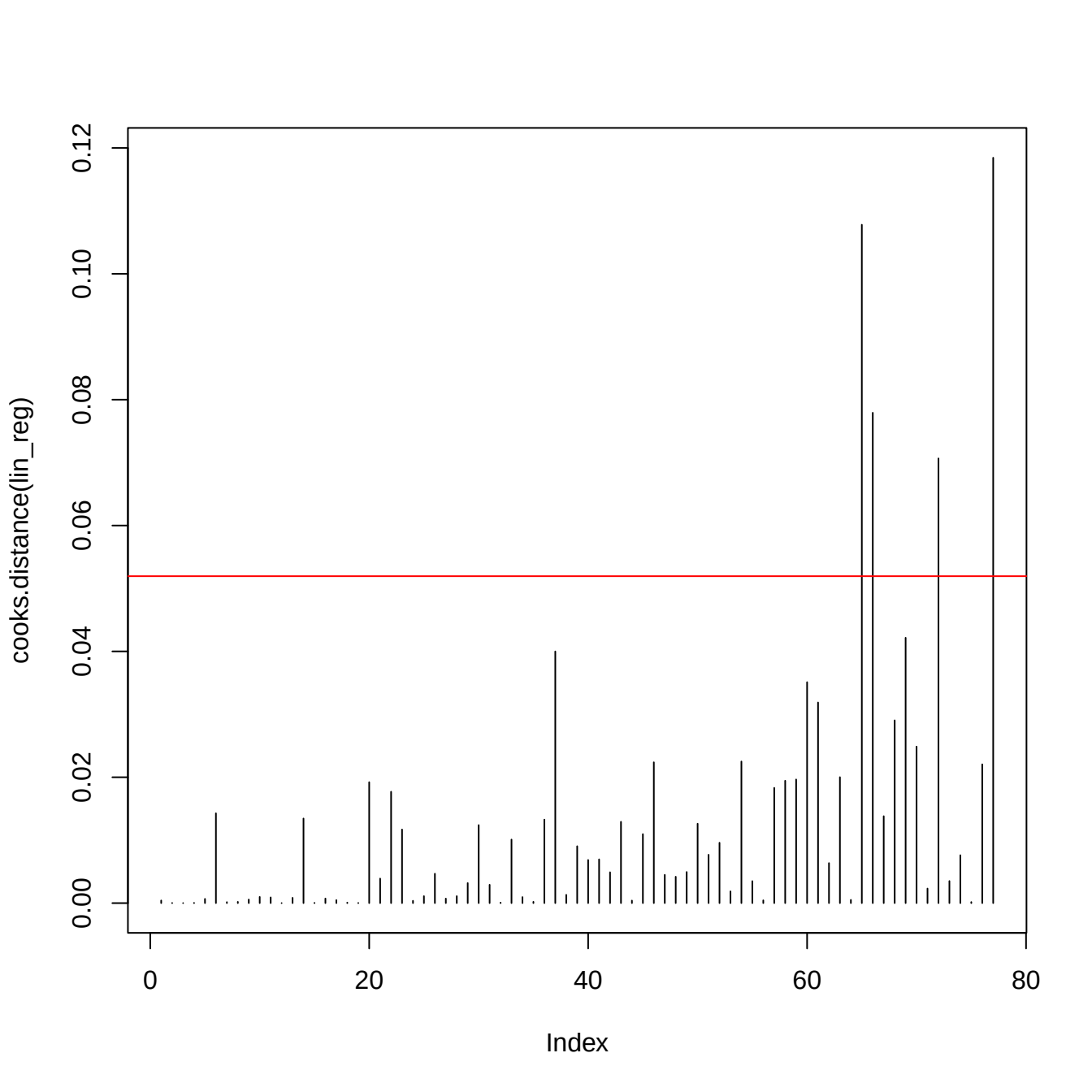

Iteration 9 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

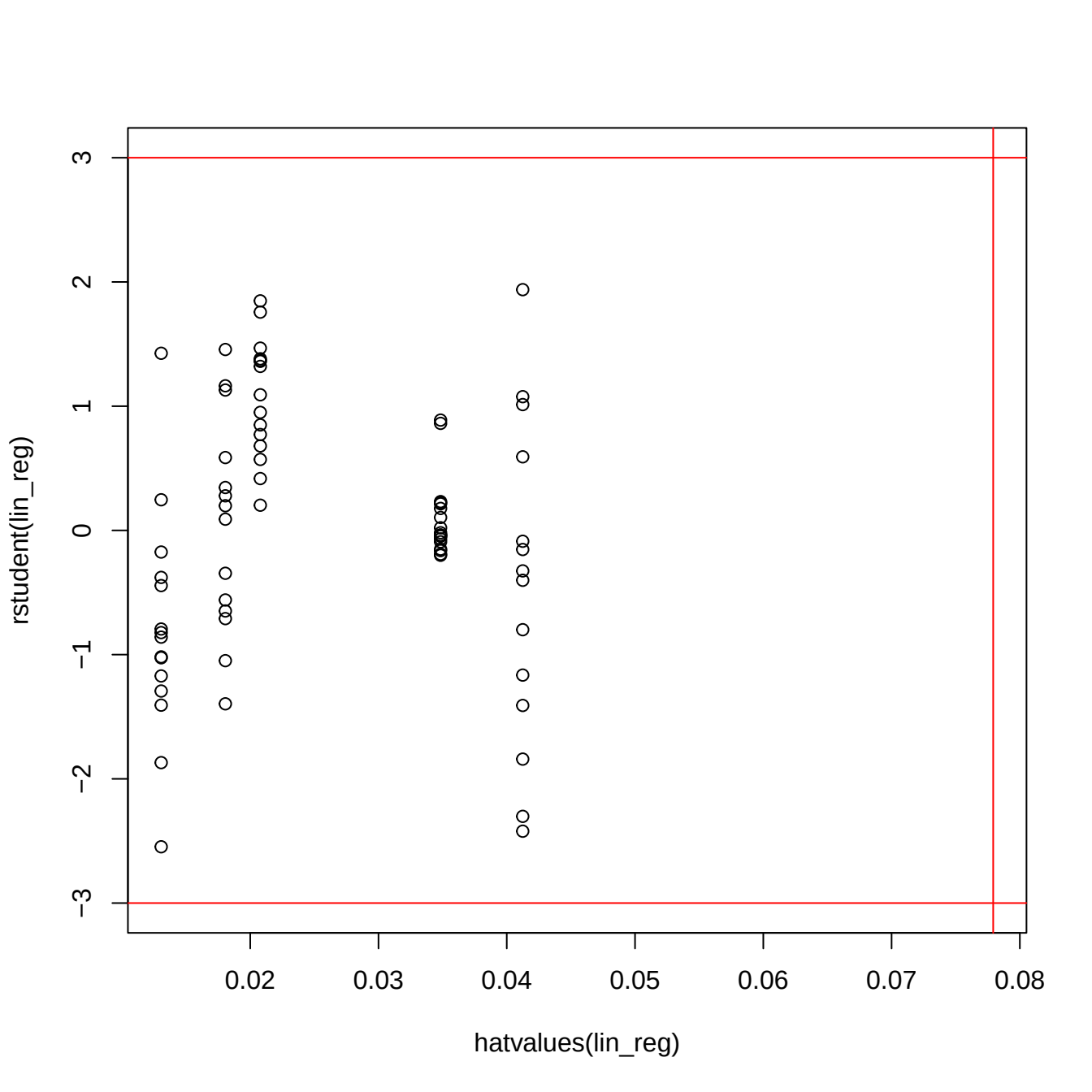

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index

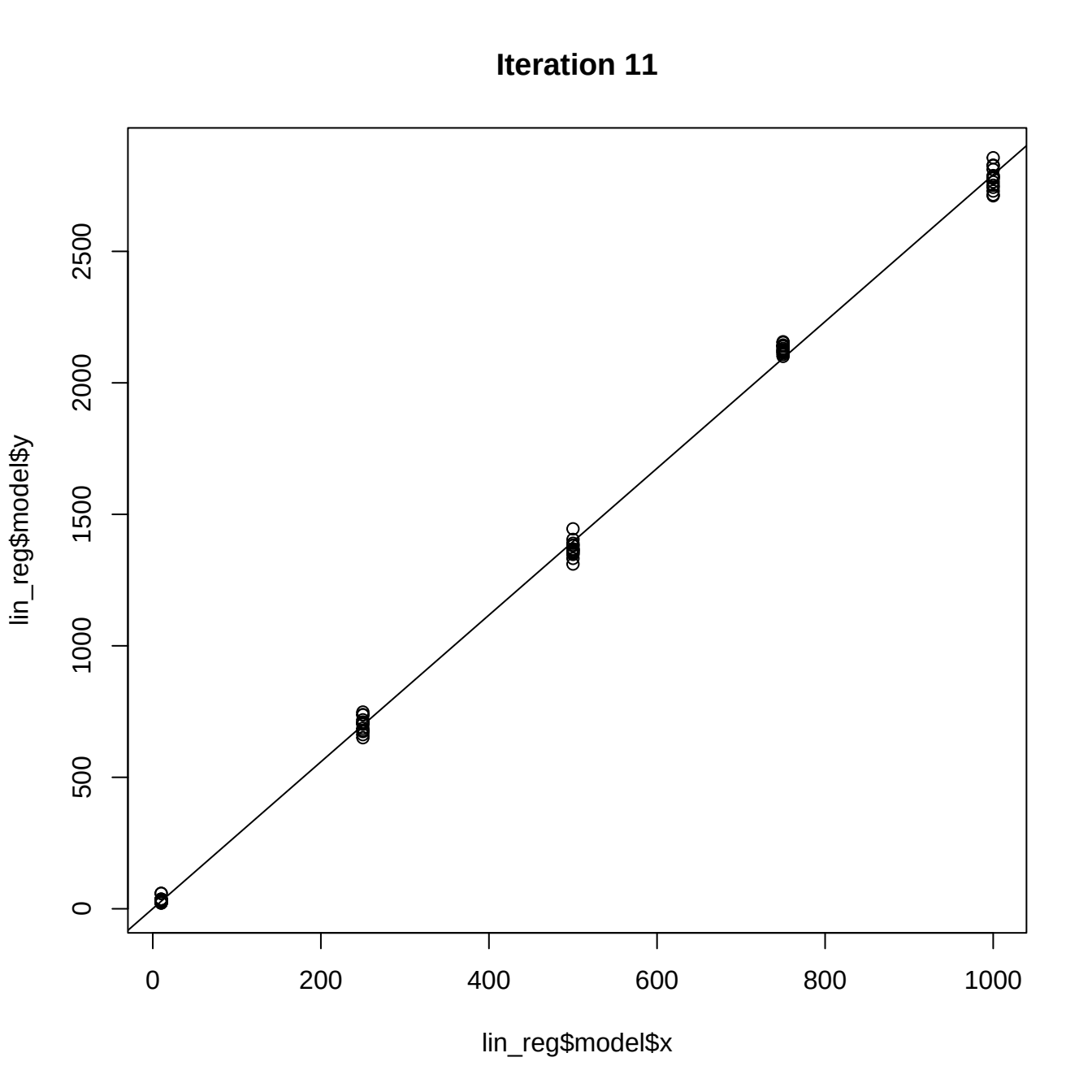

rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.02
0.03
0.04
0.05
0.06
0.07
0.08
hatvalues(lin_reg)

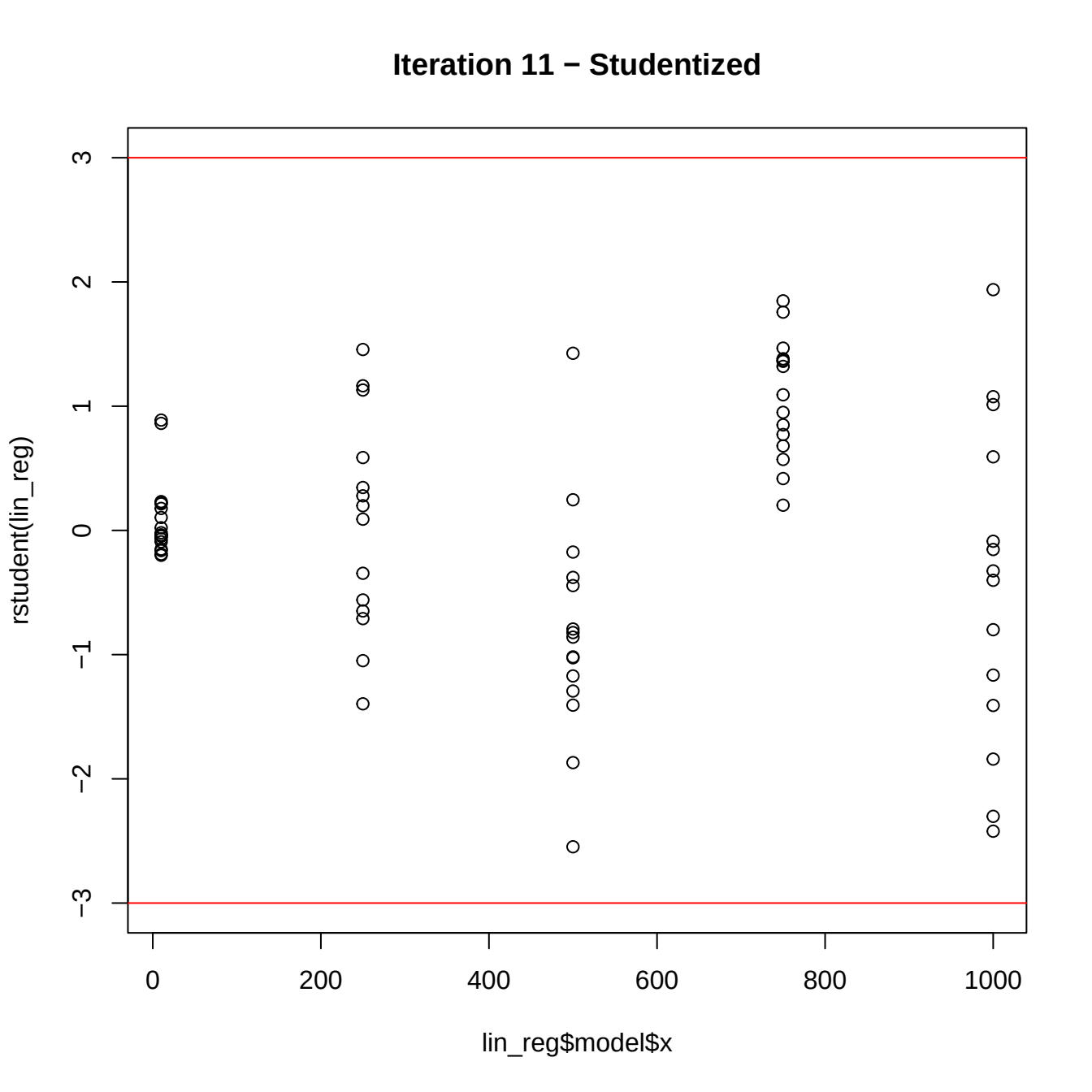

Iteration 10
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x

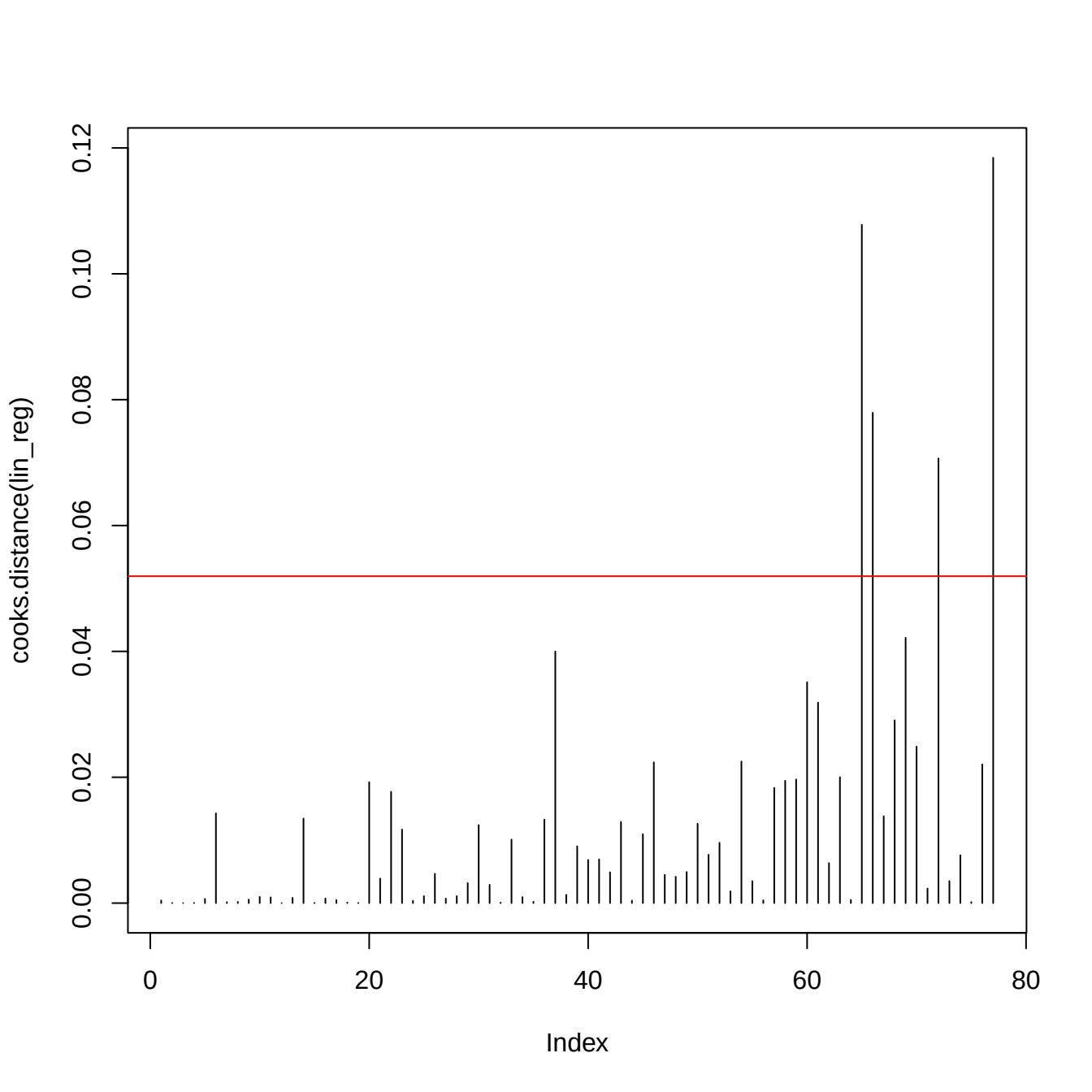

Iteration 10 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

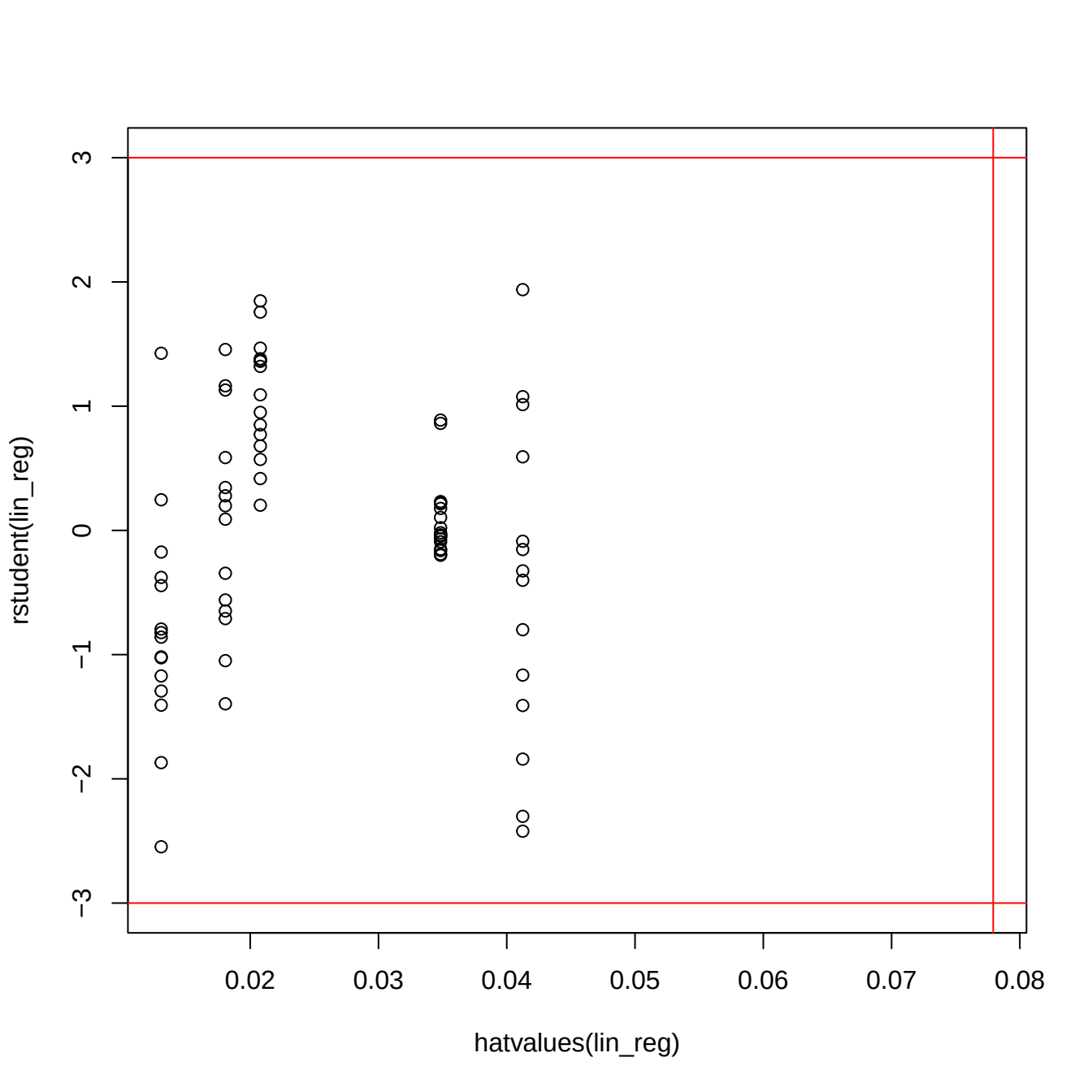

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index

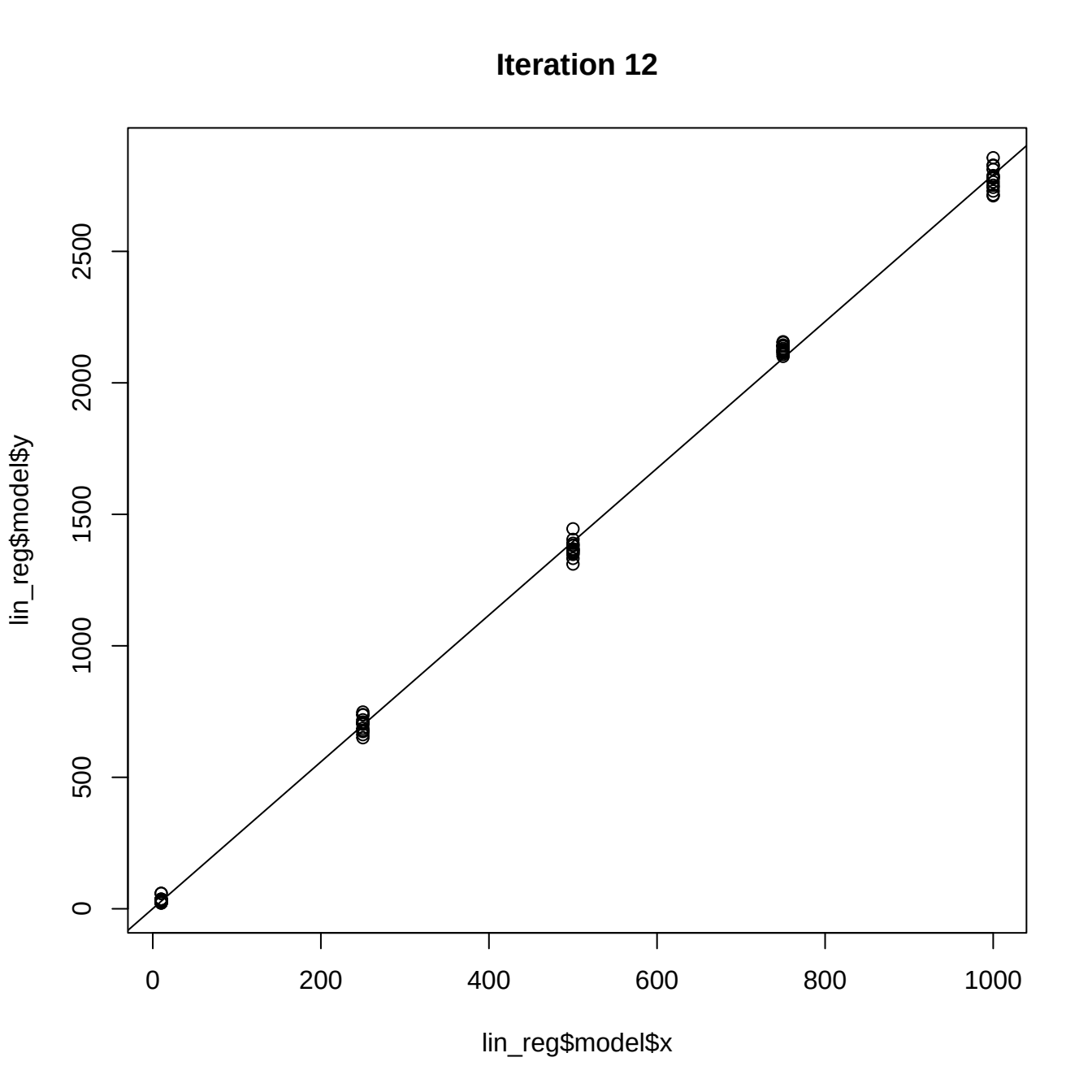

rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.02
0.03
0.04
0.05
0.06
0.07
0.08
hatvalues(lin_reg)

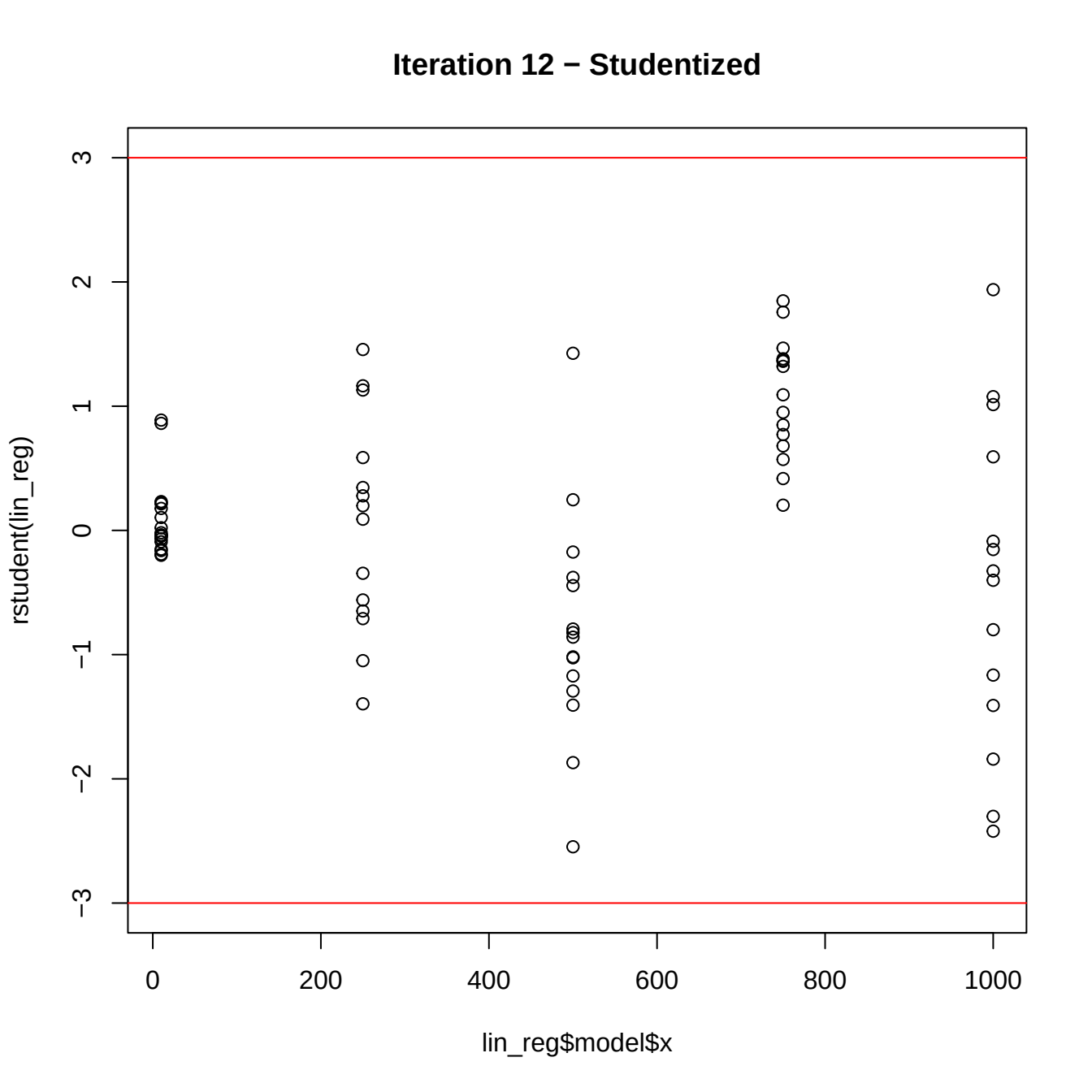

Iteration 11
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x

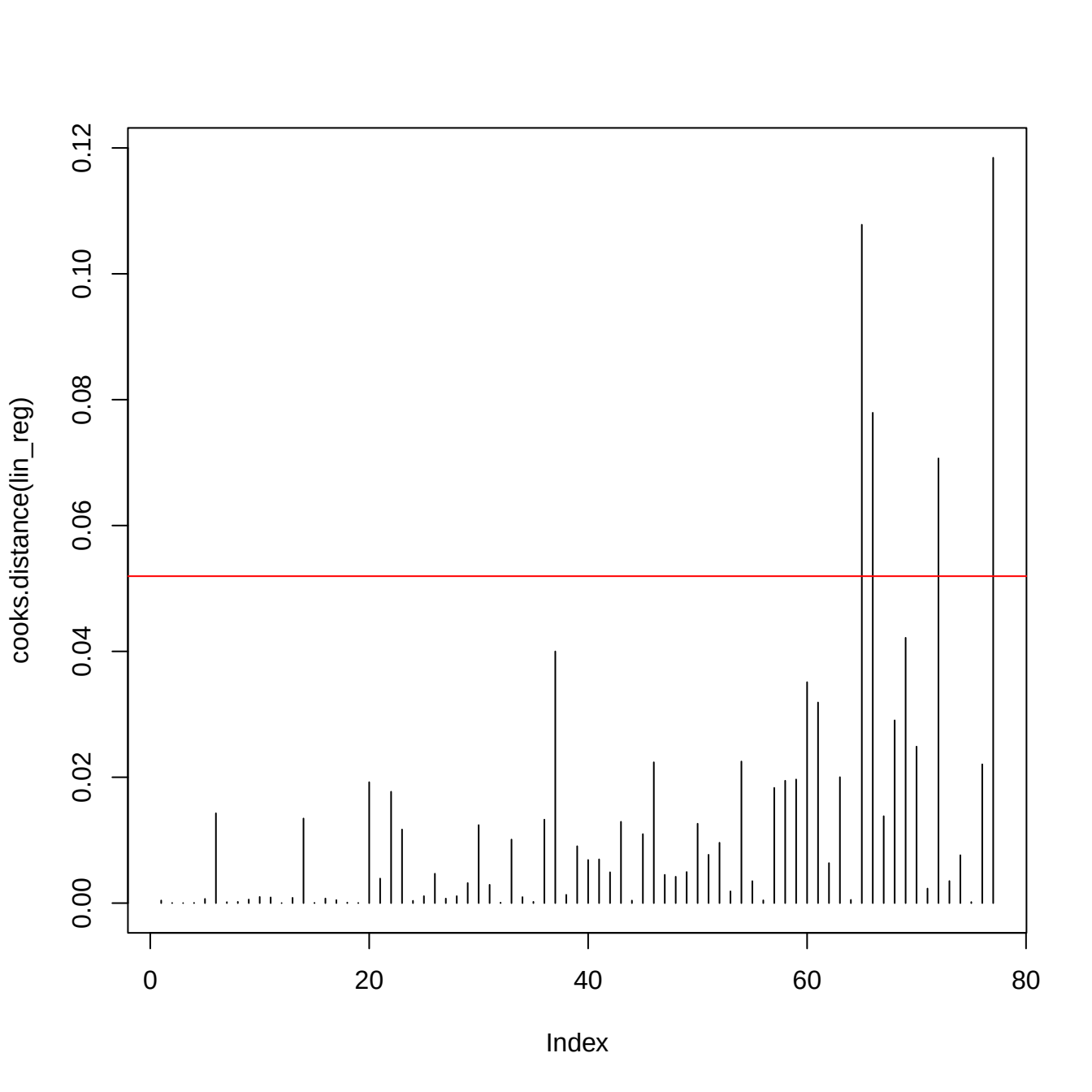

Iteration 11 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000

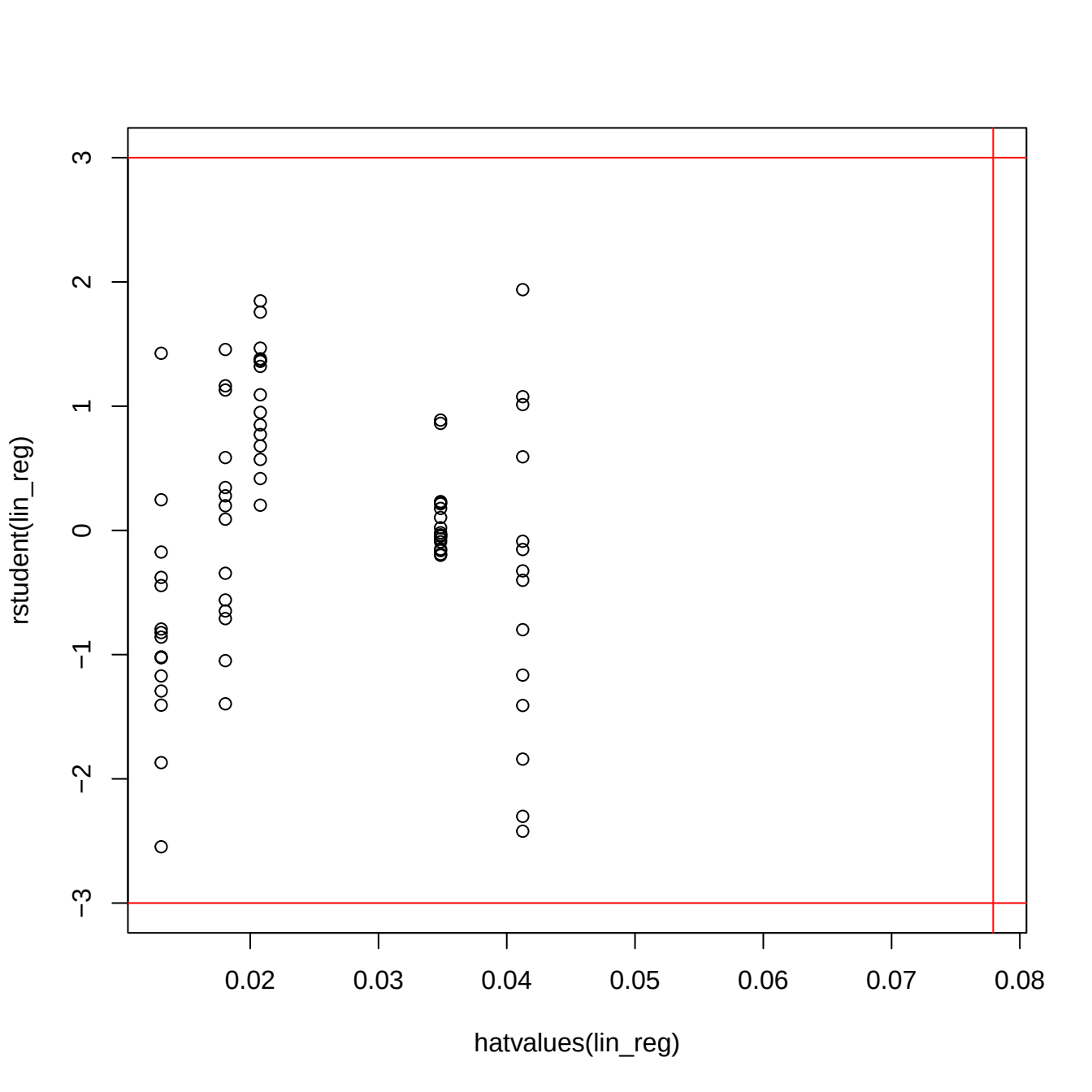

cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index


rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.02
0.03
0.04
0.05
0.06
0.07
0.08
hatvalues(lin_reg)


Iteration 12
lin_reg$model$y
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
lin_reg$model$x


Iteration 12 − Studentized
rstudent(lin_reg)
lin_reg$model$x
3
2
1
0
−1
−2
−3
0
200
400
600
800
1000


cooks.distance(lin_reg)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
20
40
60
80
Index


rstudent(lin_reg)
3
2
1
0
−1
−2
−3
0.02
0.03
0.04
0.05
0.06
0.07
0.08
hatvalues(lin_reg)