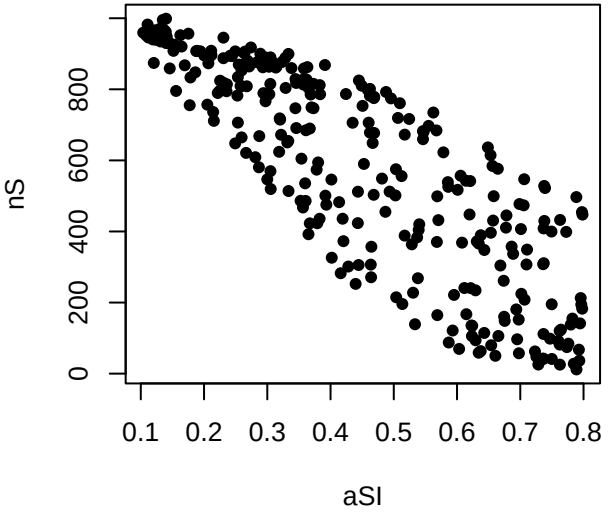
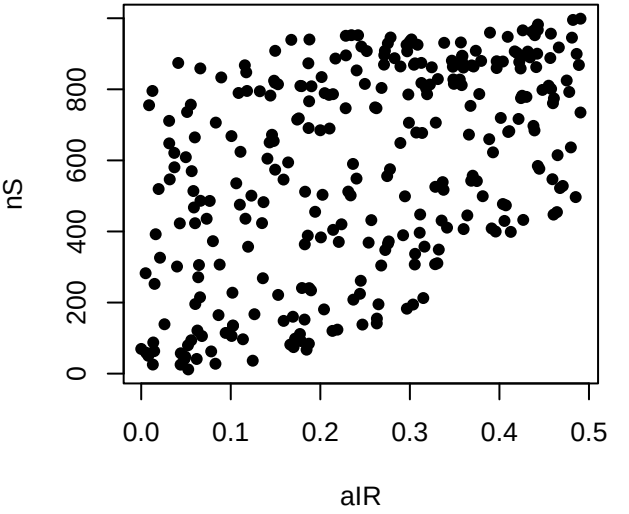
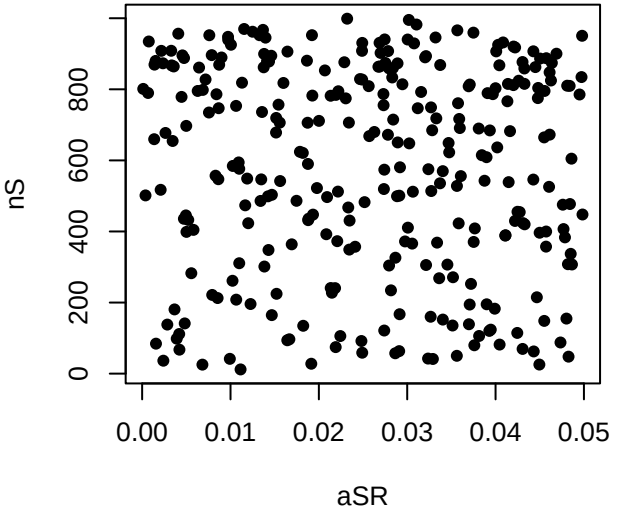
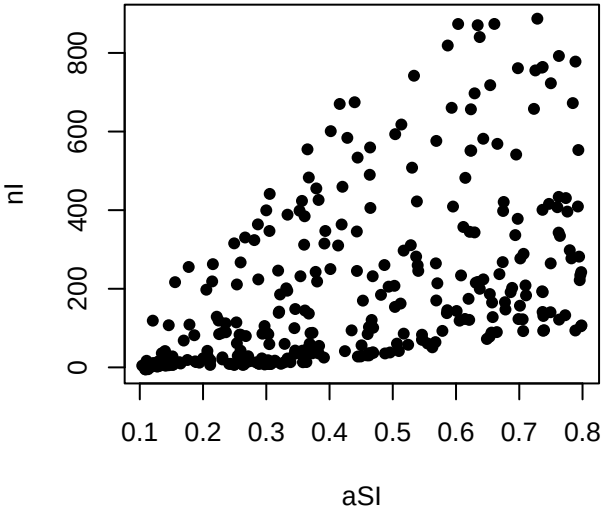
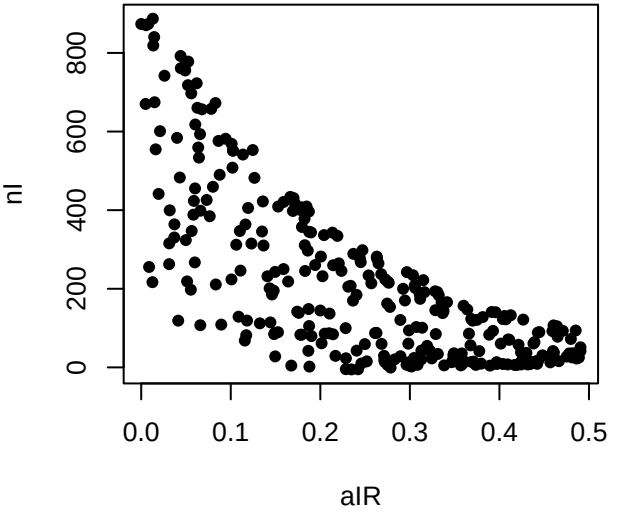
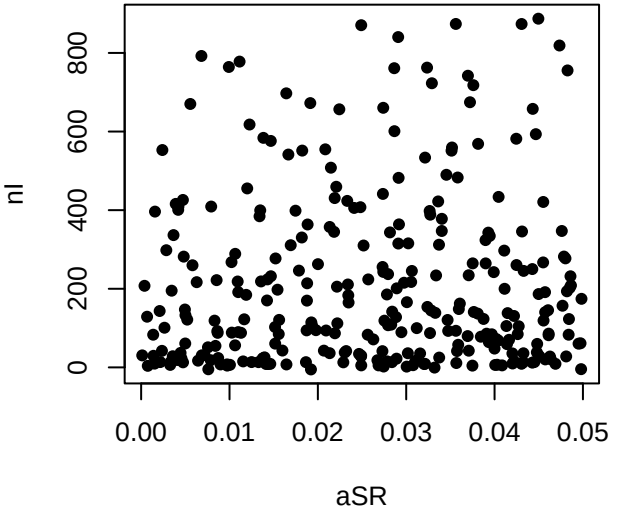

nS
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

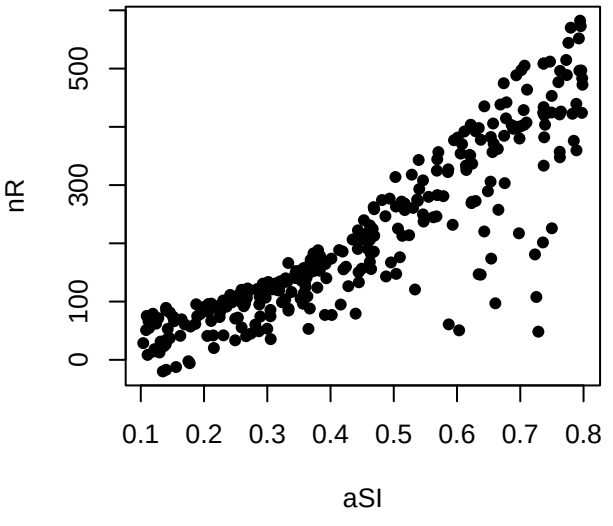

nS
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

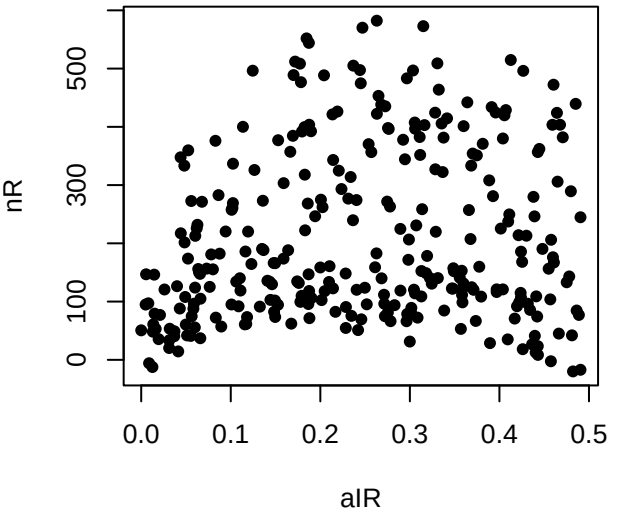

nS
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

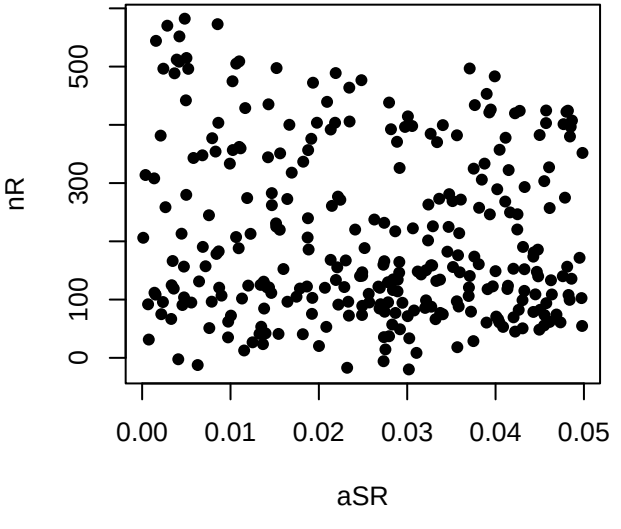

nI
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

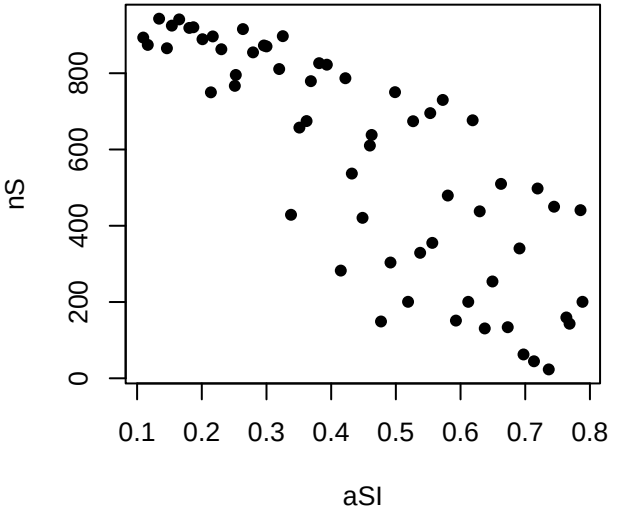

nI
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

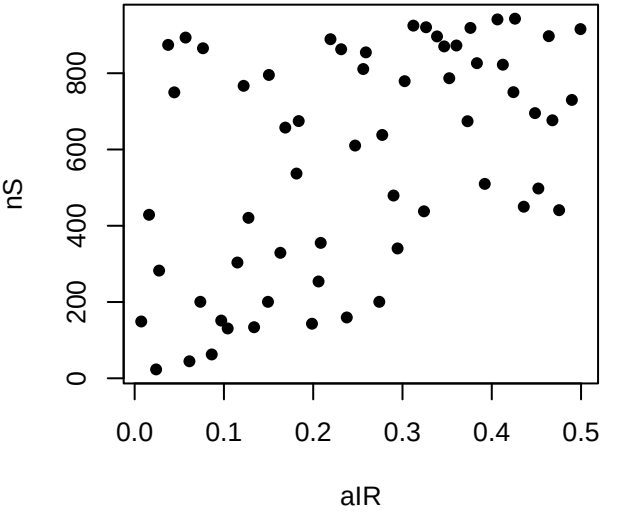

nI
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

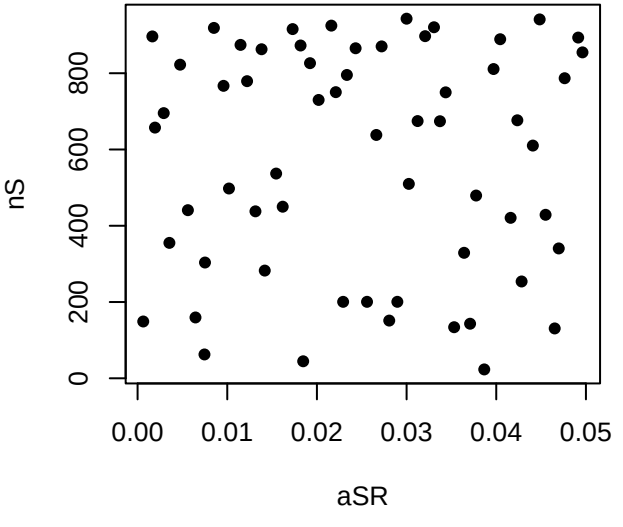

nR
0
100
300
500
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

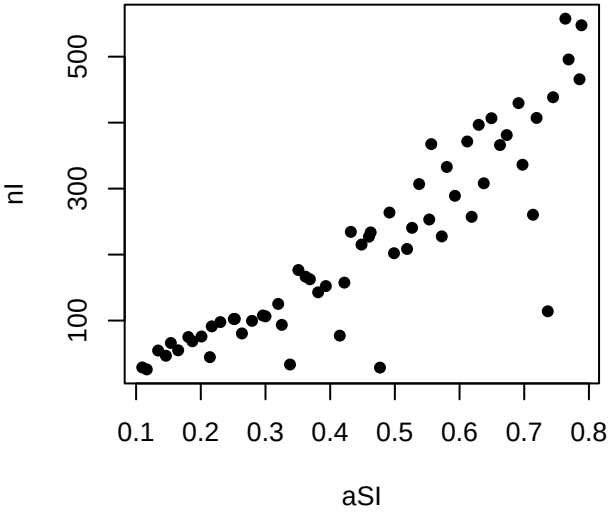

nR
0
100
300
500
0.0
0.1
0.2
0.3
0.4
0.5
aIR

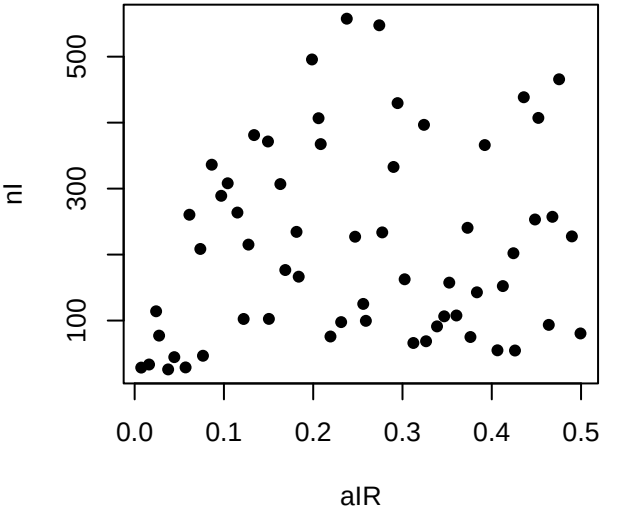

nR
0
100
300
500
0.00
0.01
0.02
0.03
0.04
0.05
aSR

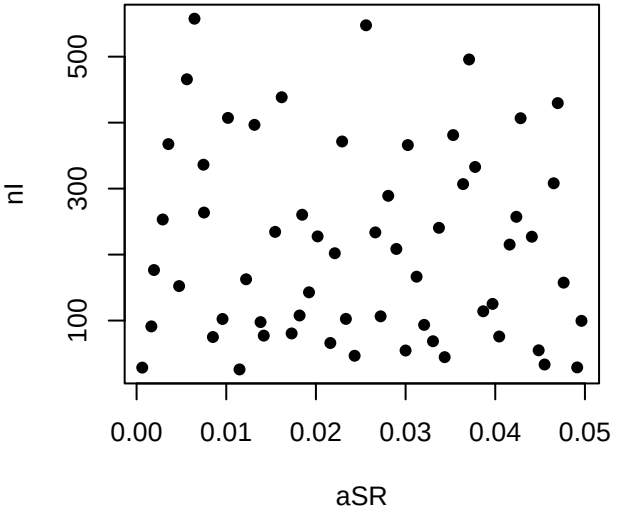

nS
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

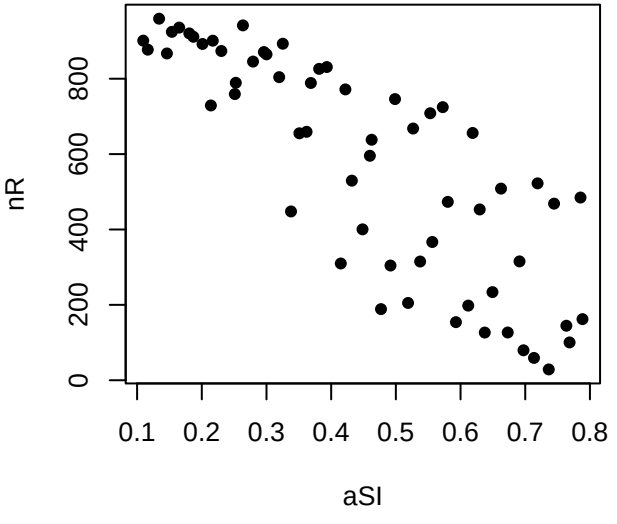

nS
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

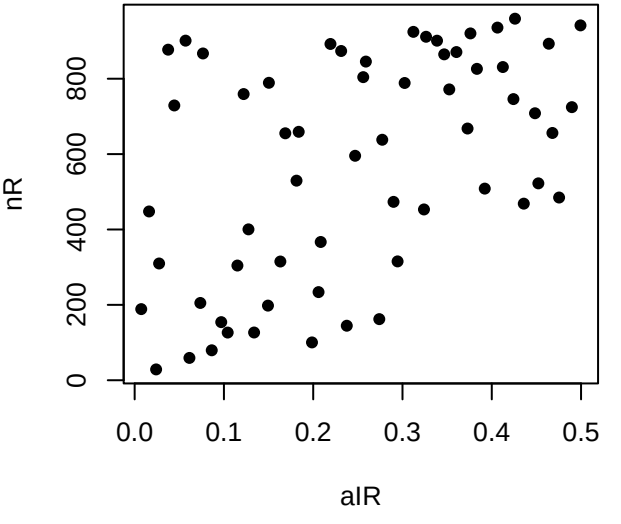

nS
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

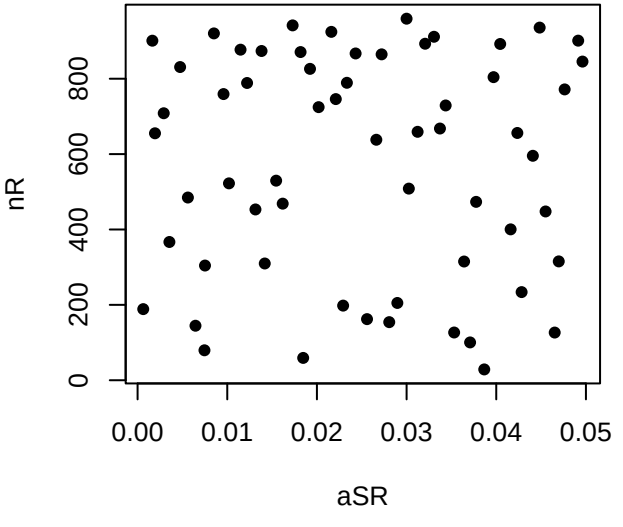

nI
100
300
500
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

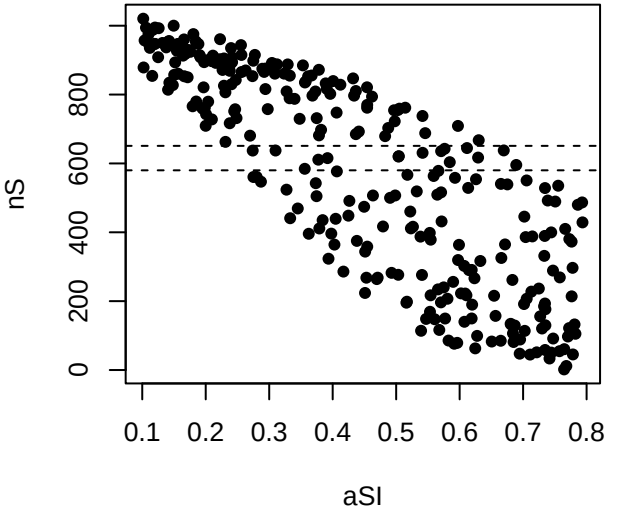

nI
100
300
500
0.0
0.1
0.2
0.3
0.4
0.5
aIR

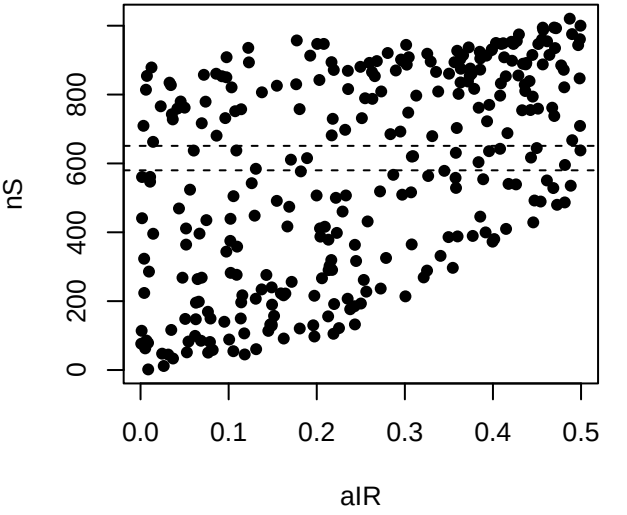

nI
100
300
500
0.00
0.01
0.02
0.03
0.04
0.05
aSR

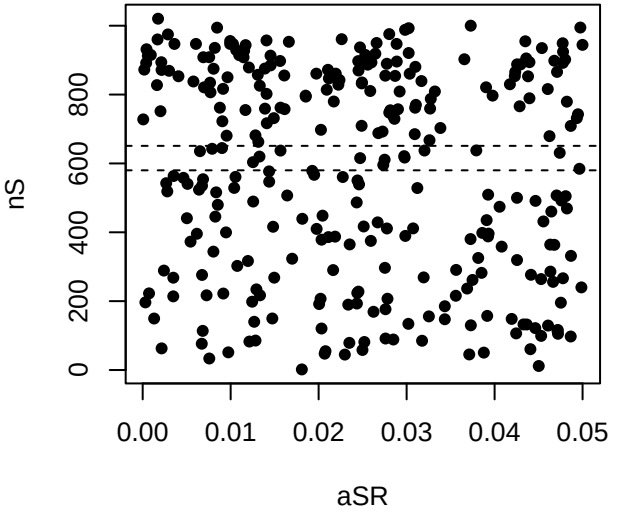

nR
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

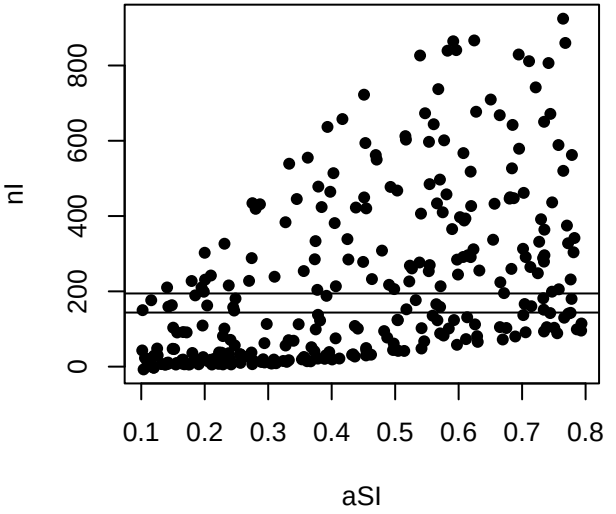

nR
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

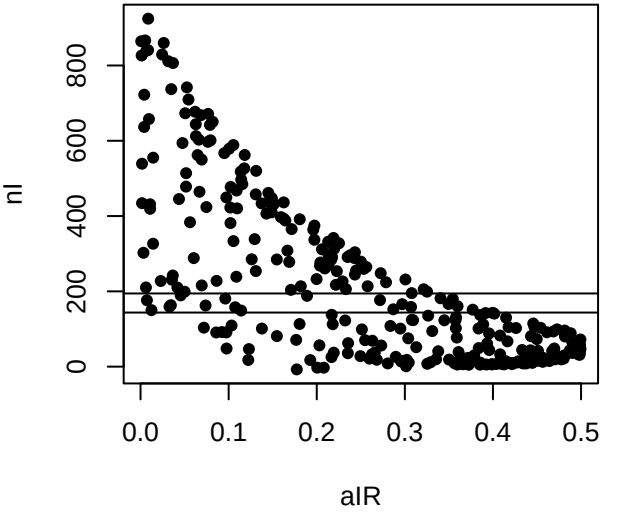

nR
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

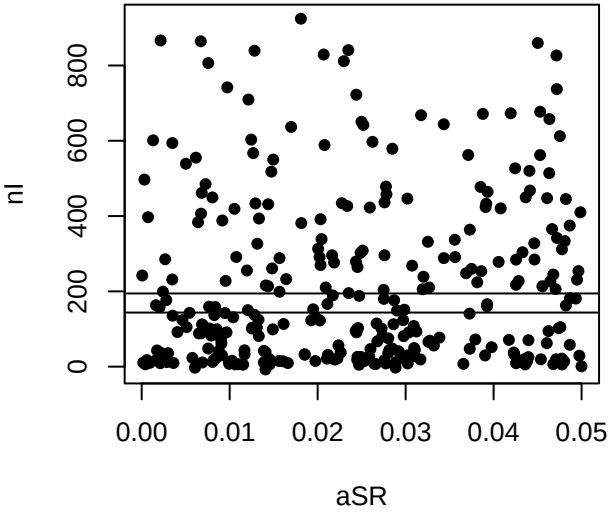

nS
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

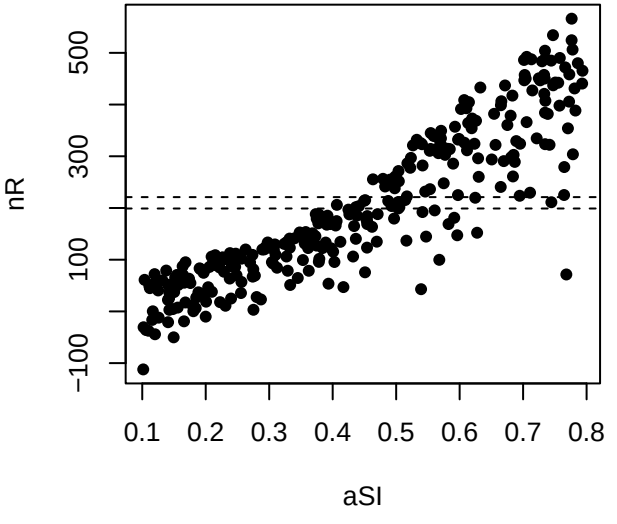

nS
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

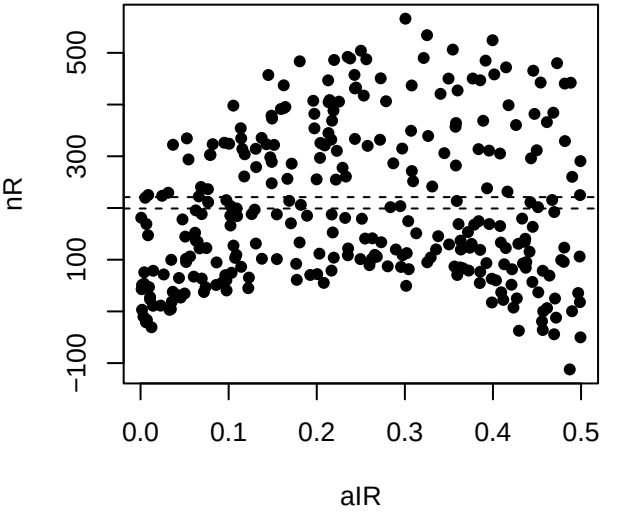

nS
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

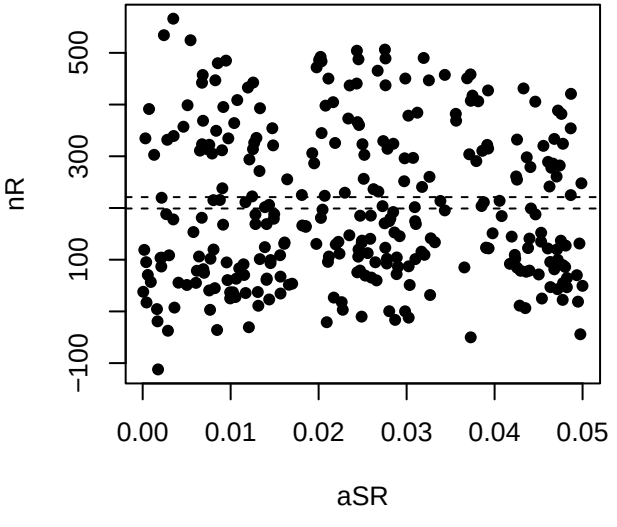

nI
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

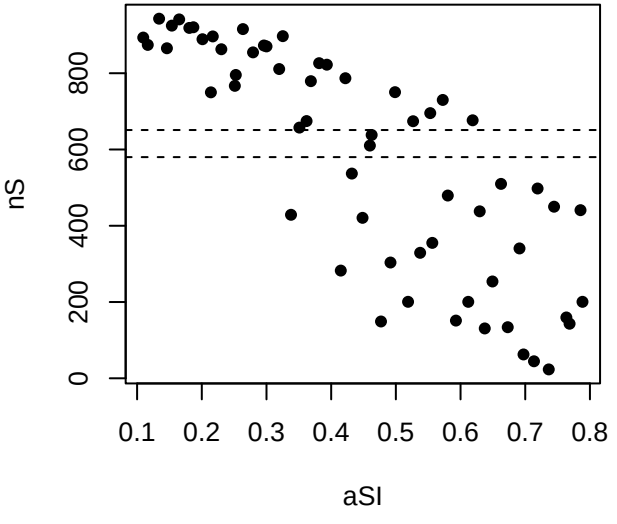

nI
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

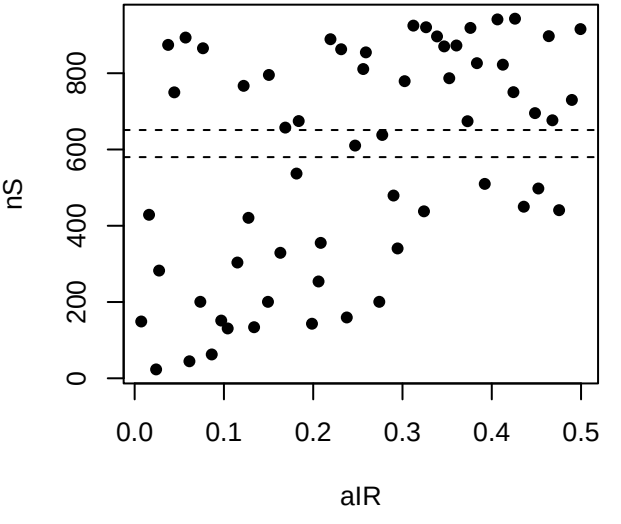

nI
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

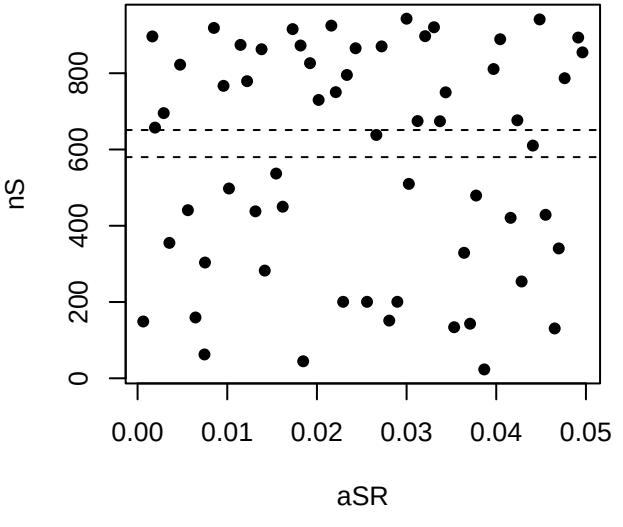

nR
500
300
100
−100
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

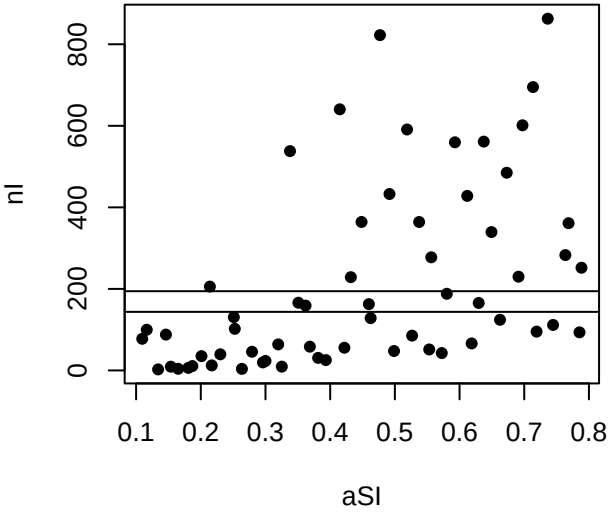

nR
500
300
100
−100
0.0
0.1
0.2
0.3
0.4
0.5
aIR

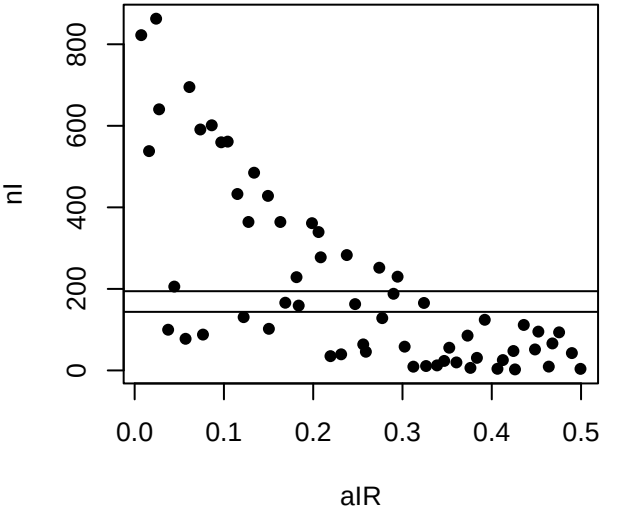

nR
500
300
100
−100
0.00
0.01
0.02
0.03
0.04
0.05
aSR

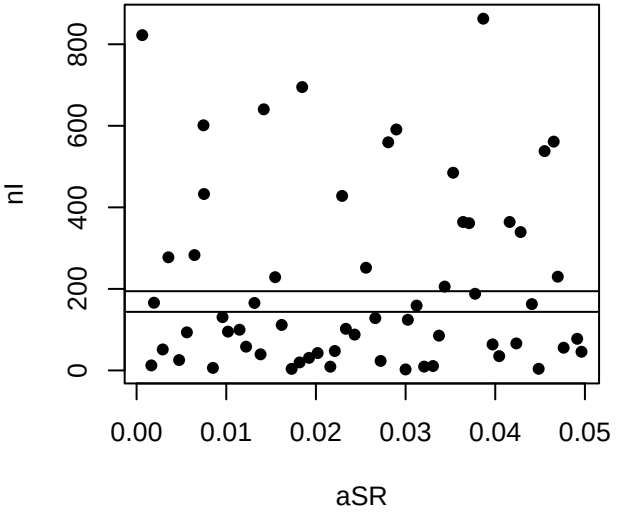

nS
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

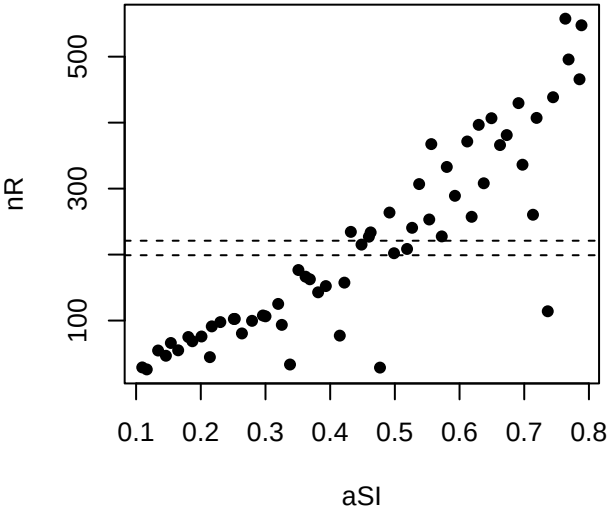

nS
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

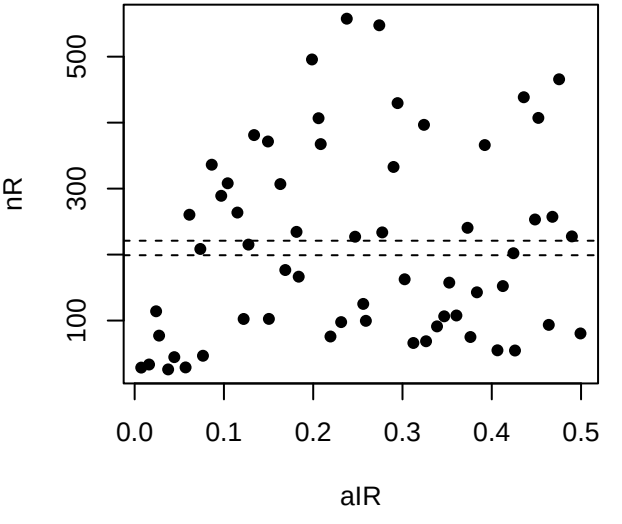

nS
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

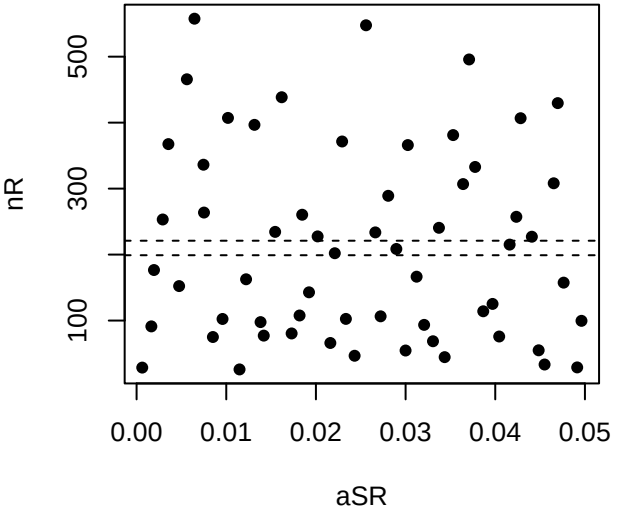

nI
0
200
400
600
800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

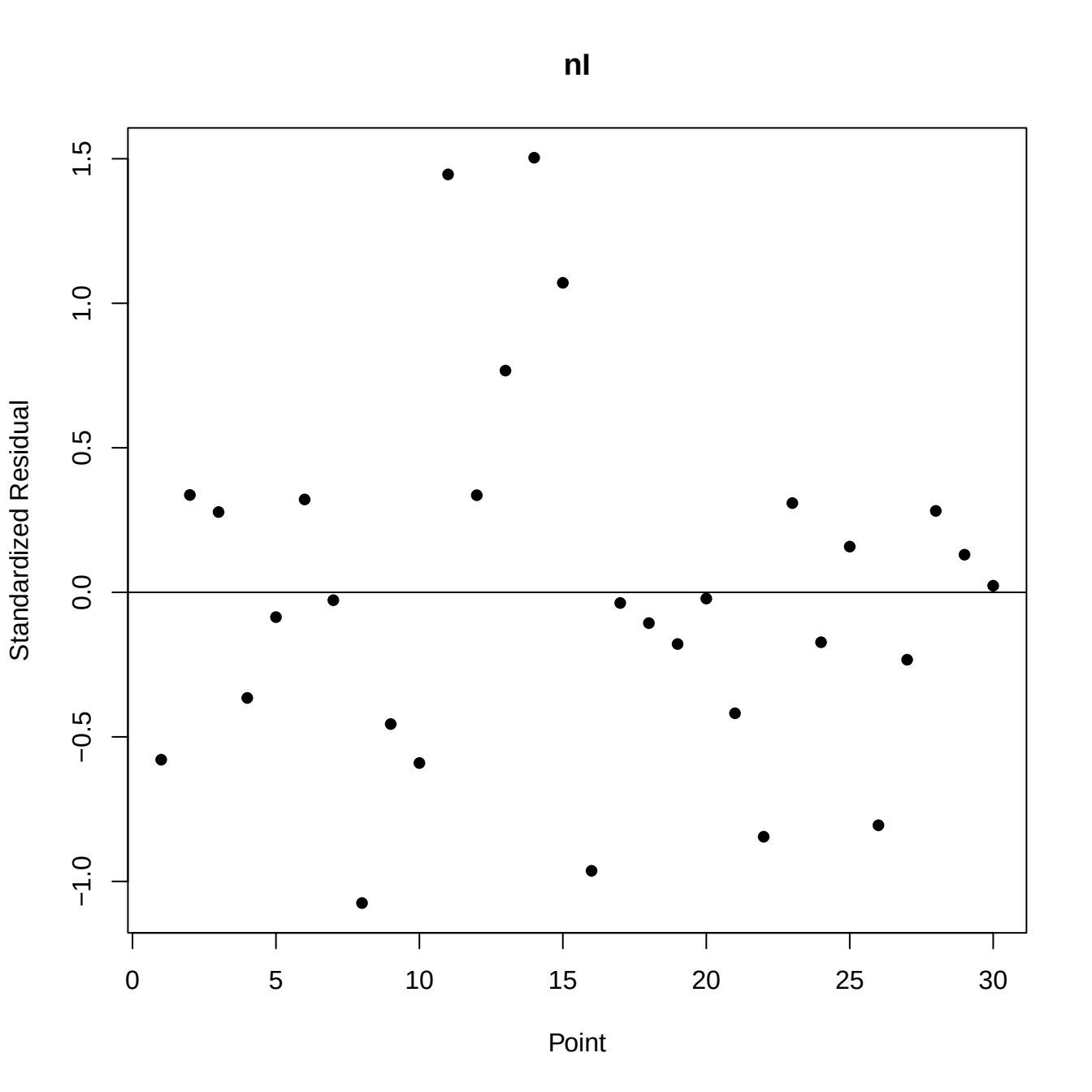

nI
0
200
400
600
800
0.0
0.1
0.2
0.3
0.4
0.5
aIR

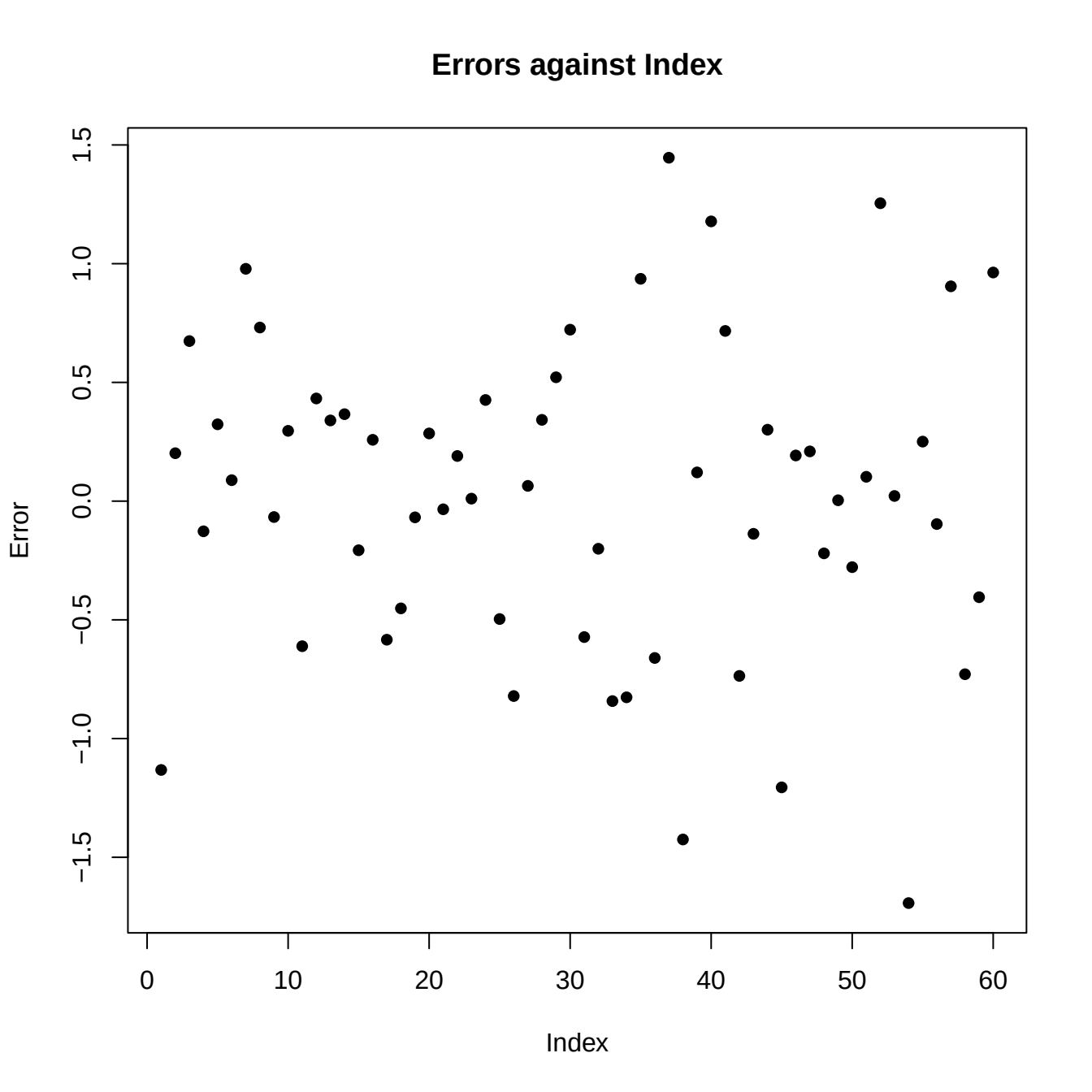

nI
0
200
400
600
800
0.00
0.01
0.02
0.03
0.04
0.05
aSR

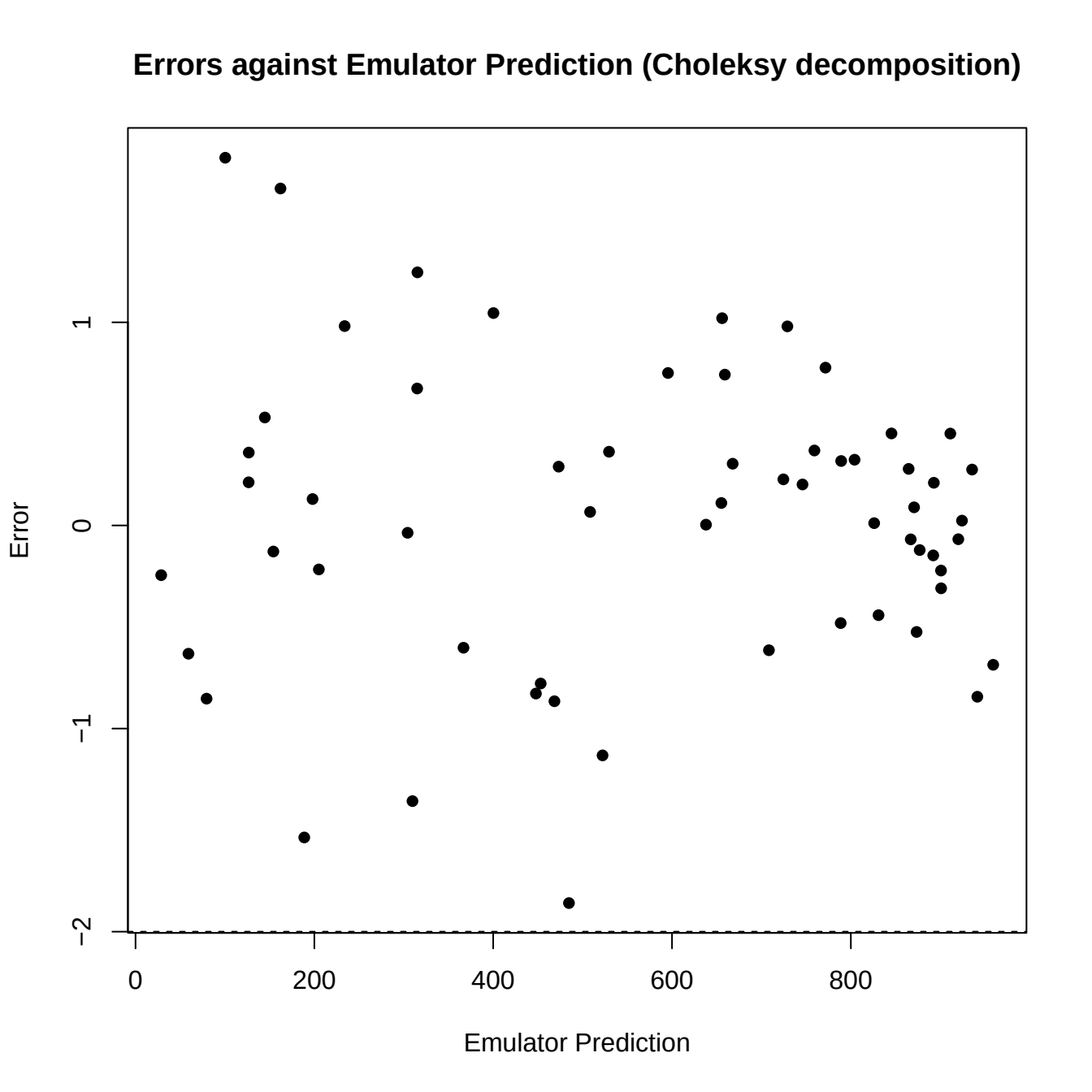

nR
100
300
500
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI

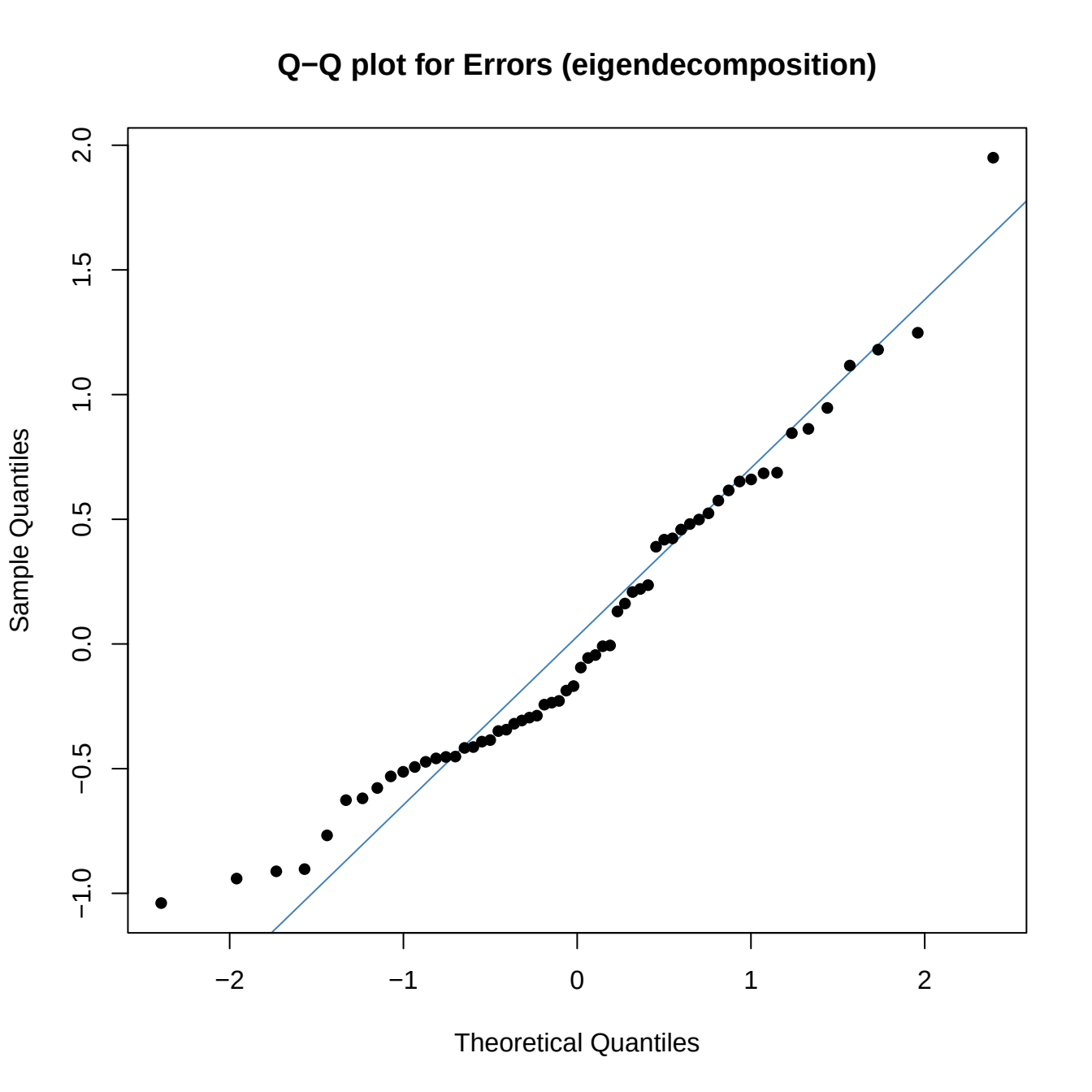

nR
100
300
500
0.0
0.1
0.2
0.3
0.4
0.5
aIR

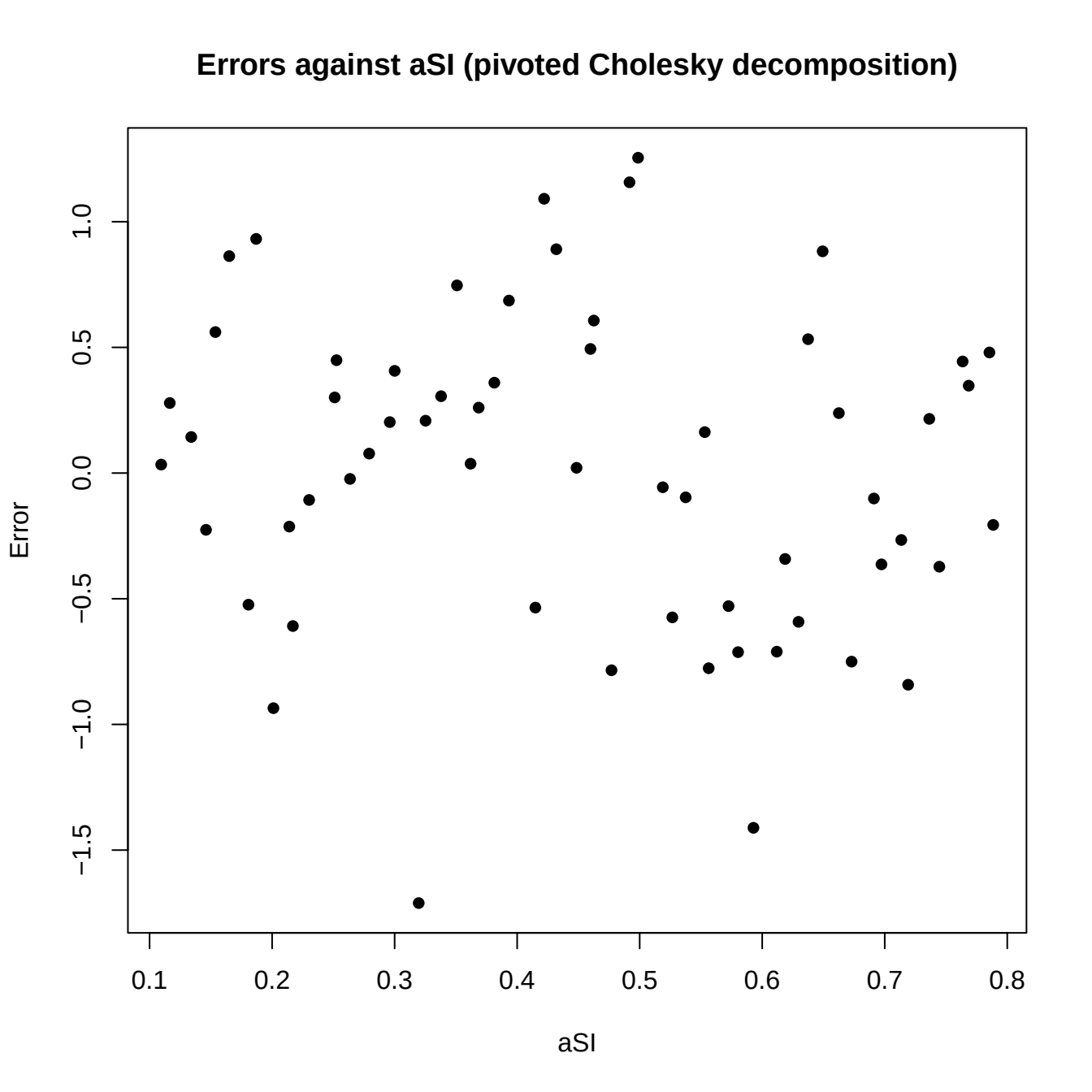

nR
100
300
500
0.00
0.01
0.02
0.03
0.04
0.05
aSR

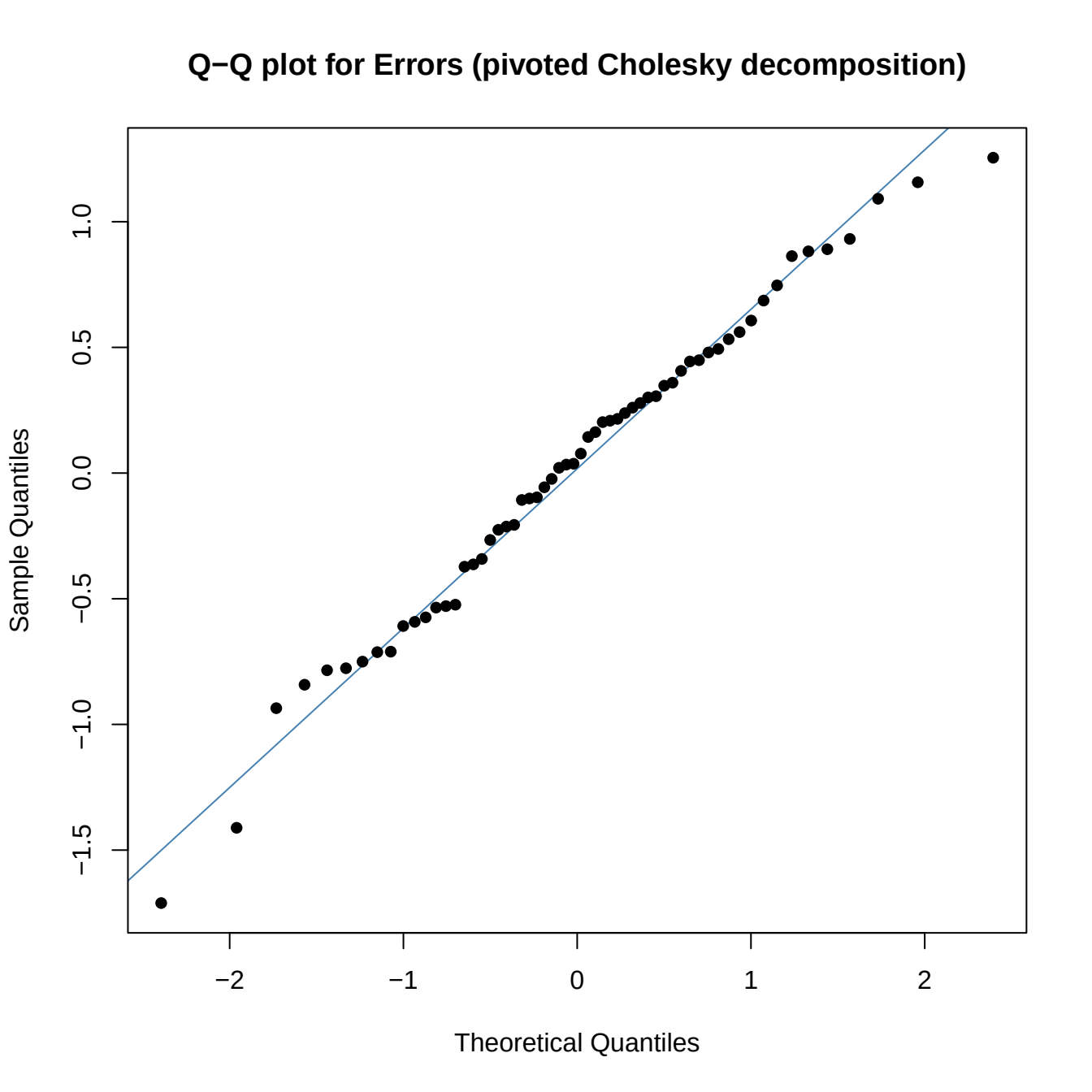

nl
Standardized Residual
1.5
1.0
0.5
0.0
−0.5
−1.0
0
5
10
15
20
25
30
Point

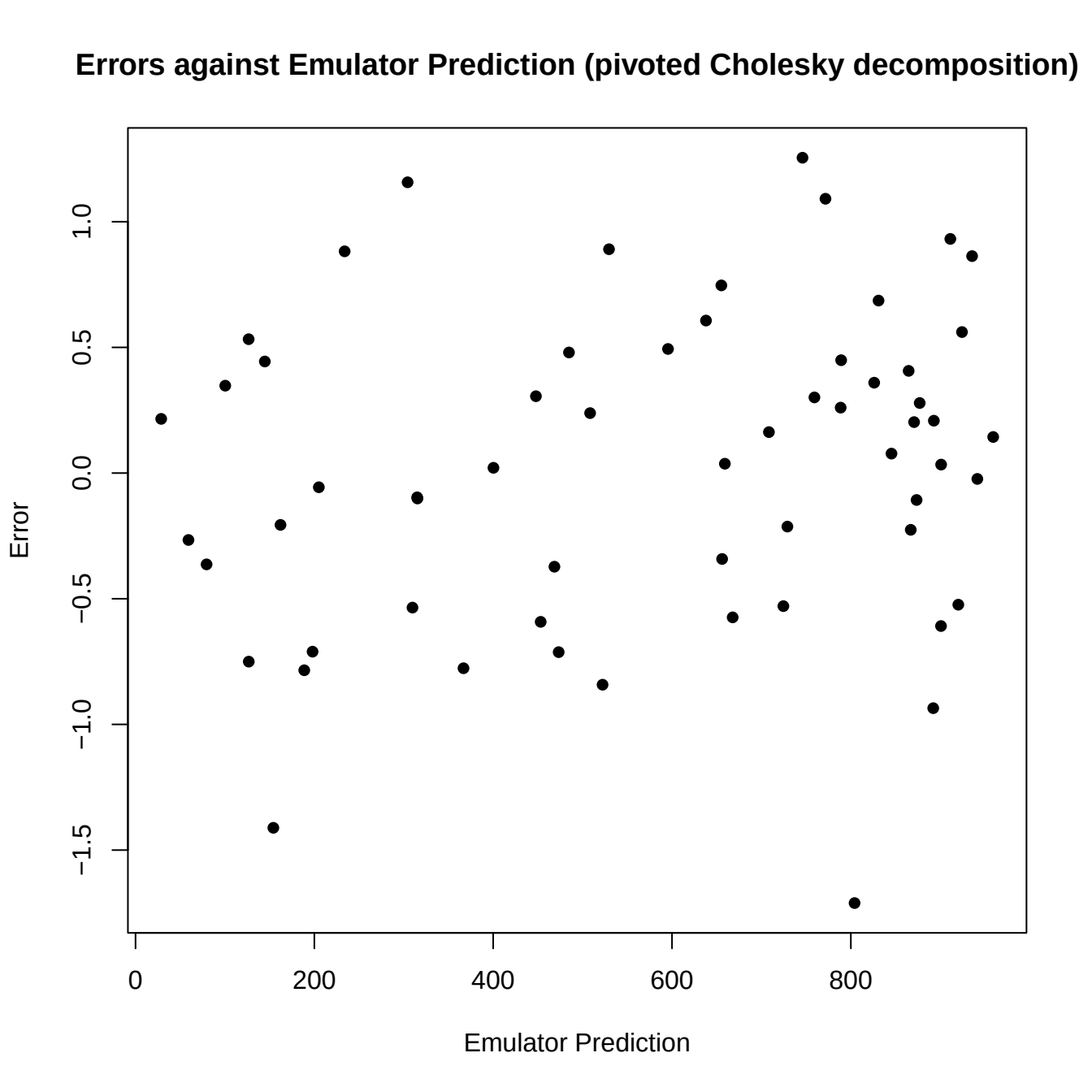

Errors against Index
Error
Index
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
10
20
30
40
50
60


Errors against Emulator Prediction (Choleksy decomposition)
Error
Emulator Prediction
−2
−1
0
1
0
200
400
600
800


Q−Q plot for Errors (eigendecomposition)
Sample Quantiles
Theoretical Quantiles
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−2
−1
0
1
2


Errors against aSI (pivoted Cholesky decomposition)
Error
1.0
0.5
0.0
−0.5
−1.0
−1.5
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
aSI


Q−Q plot for Errors (pivoted Cholesky decomposition)
Sample Quantiles
Theoretical Quantiles
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2
−1
0
1
2


Errors against Emulator Prediction (pivoted Cholesky decomposition)
Error
1.0
0.5
0.0
−0.5
−1.0
−1.5
0
200
400
600
800
Emulator Prediction