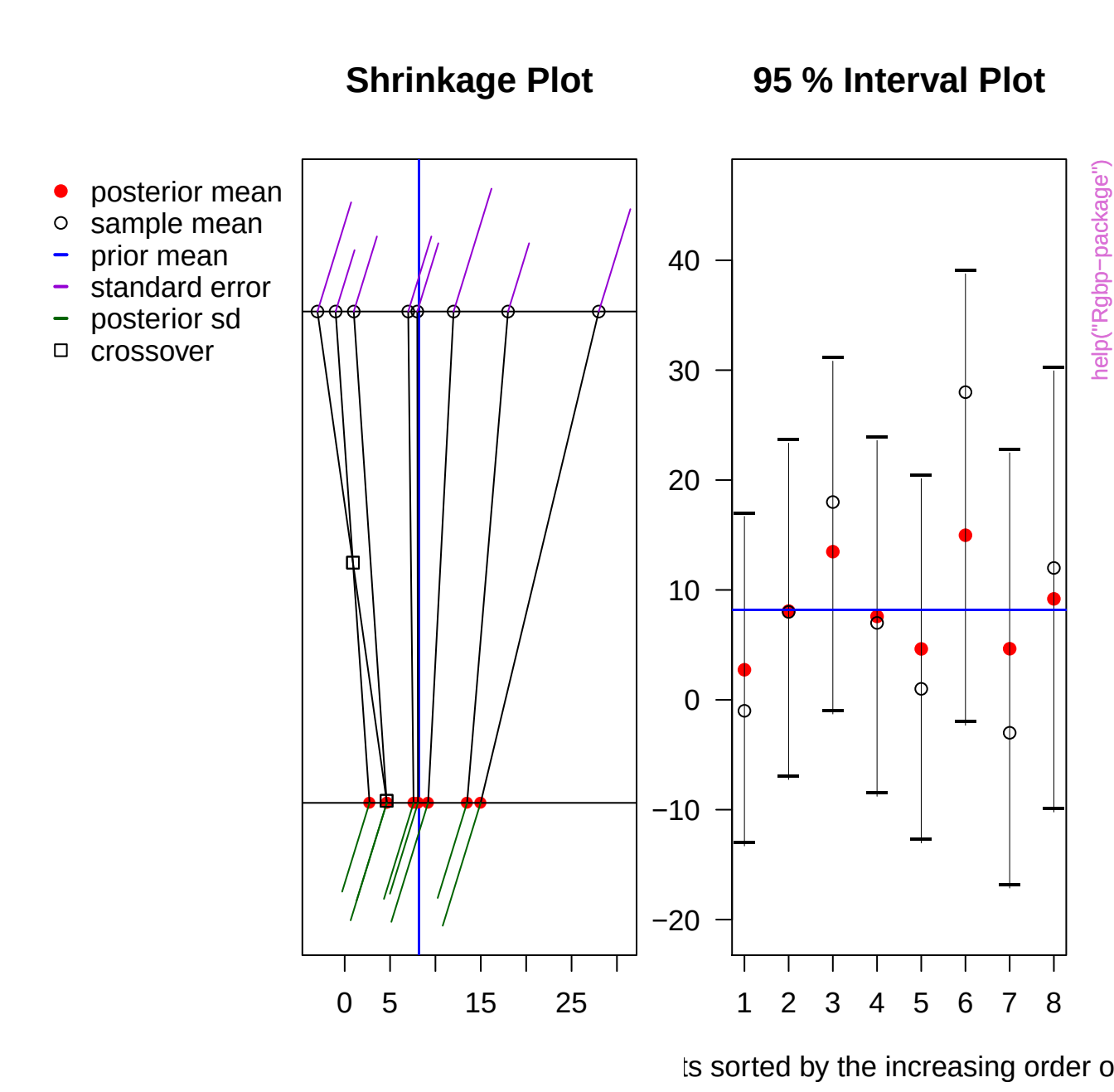
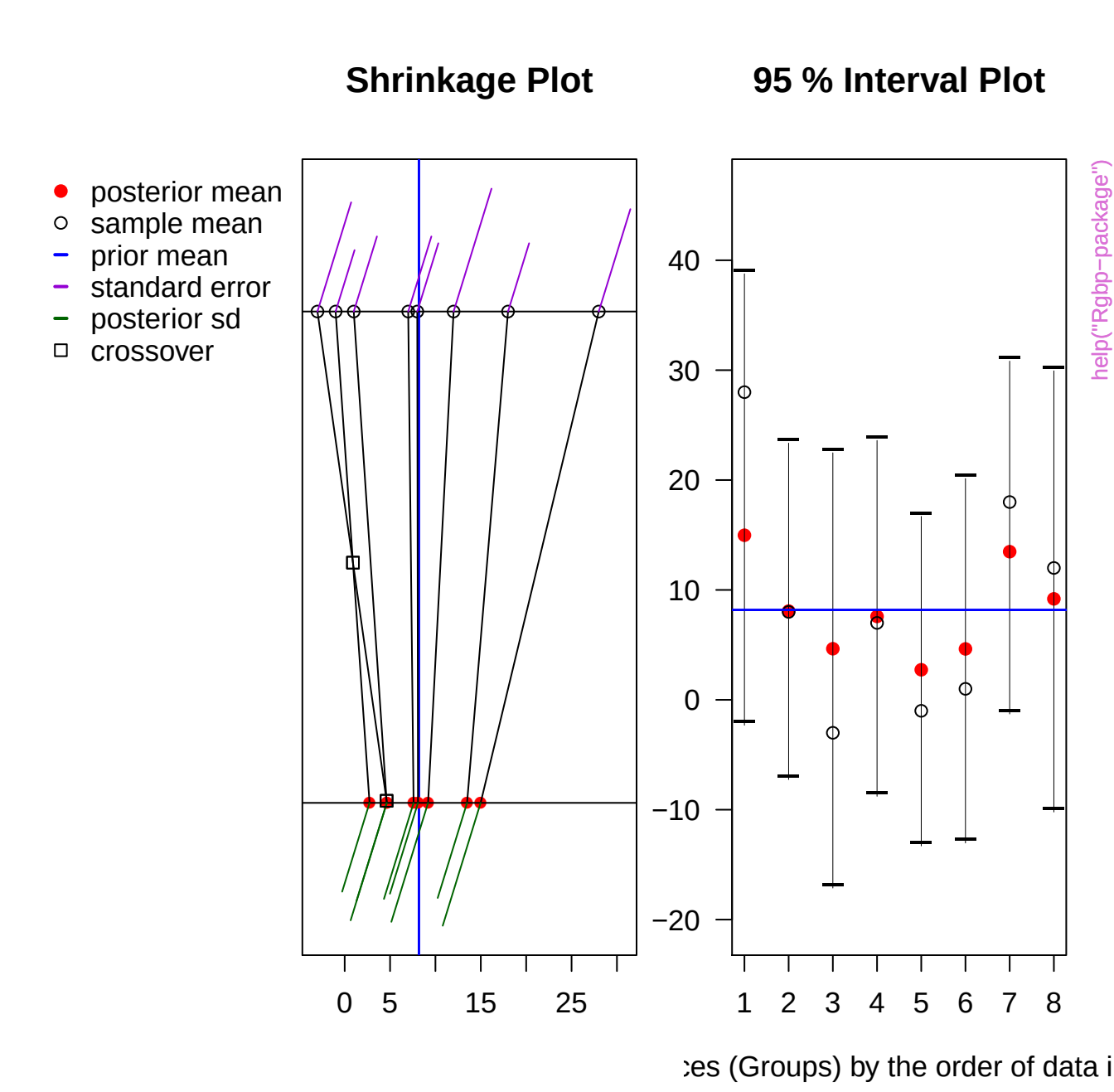
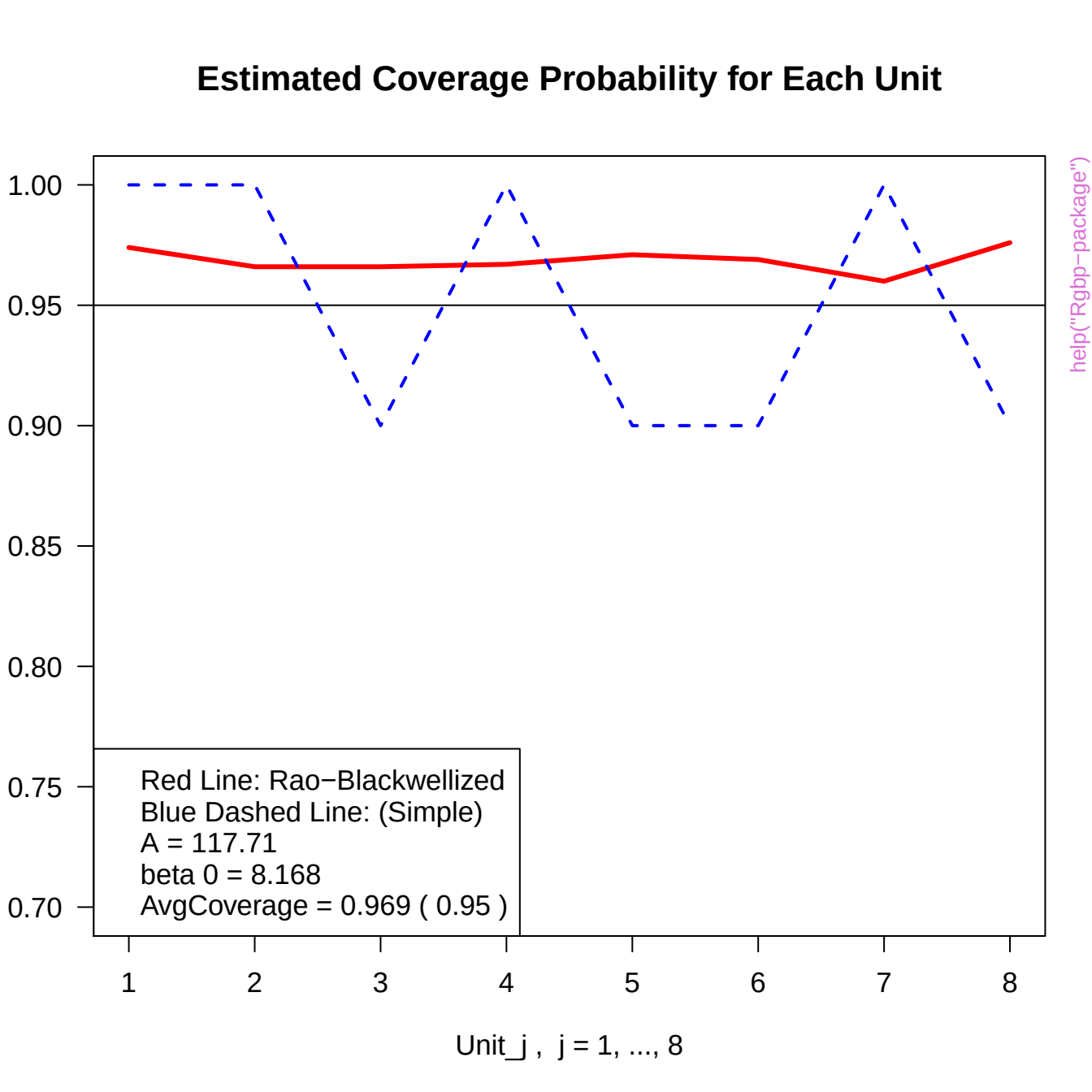
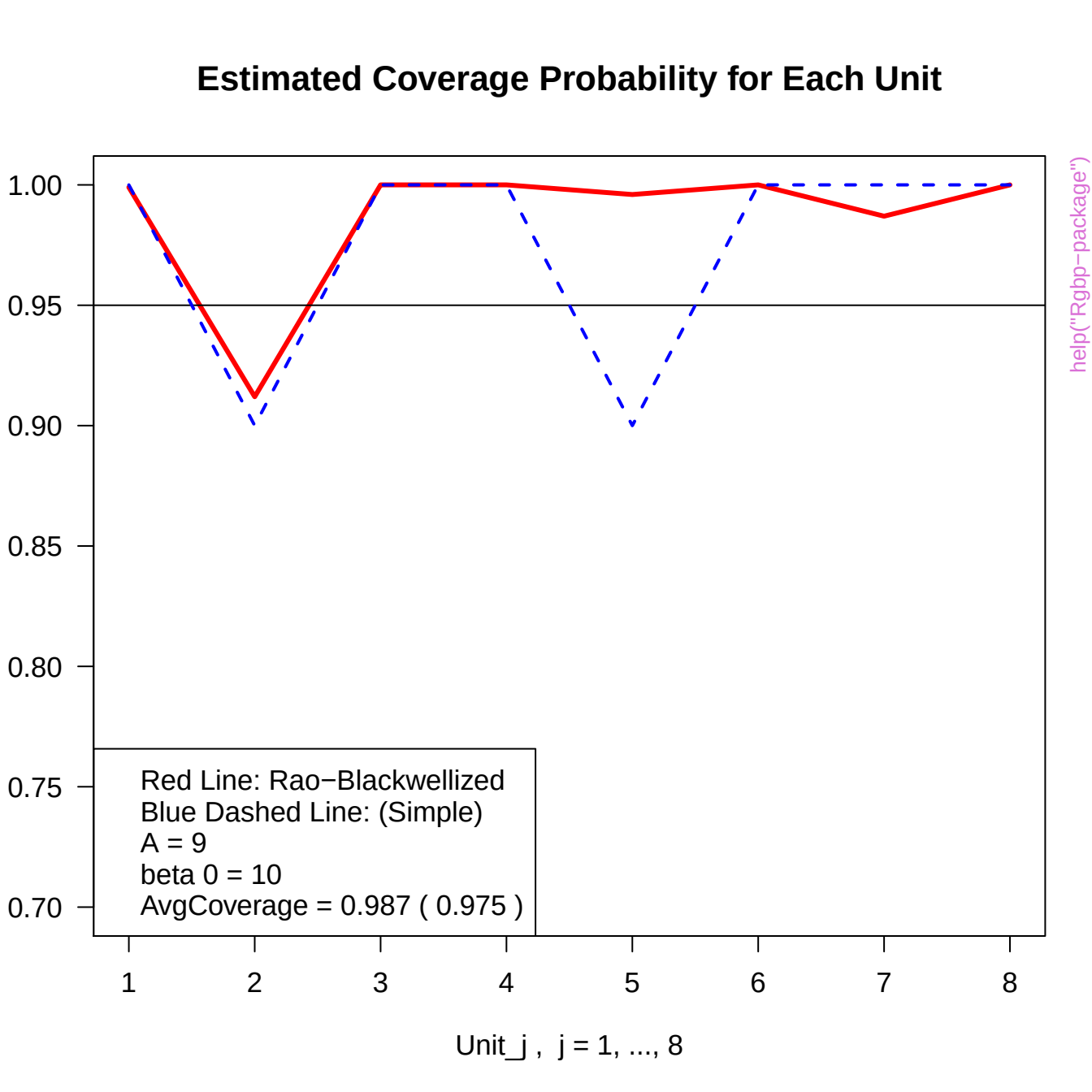
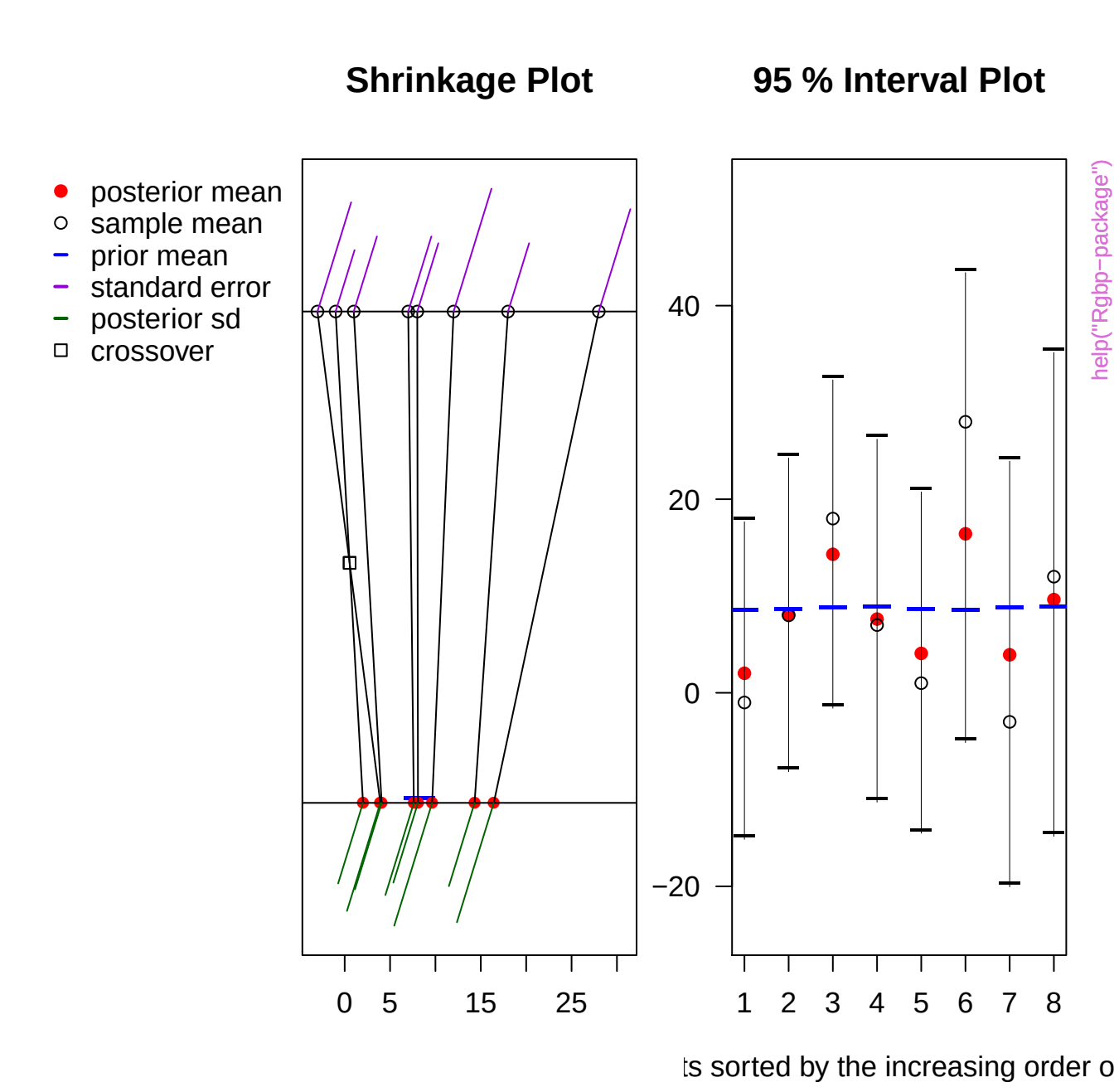
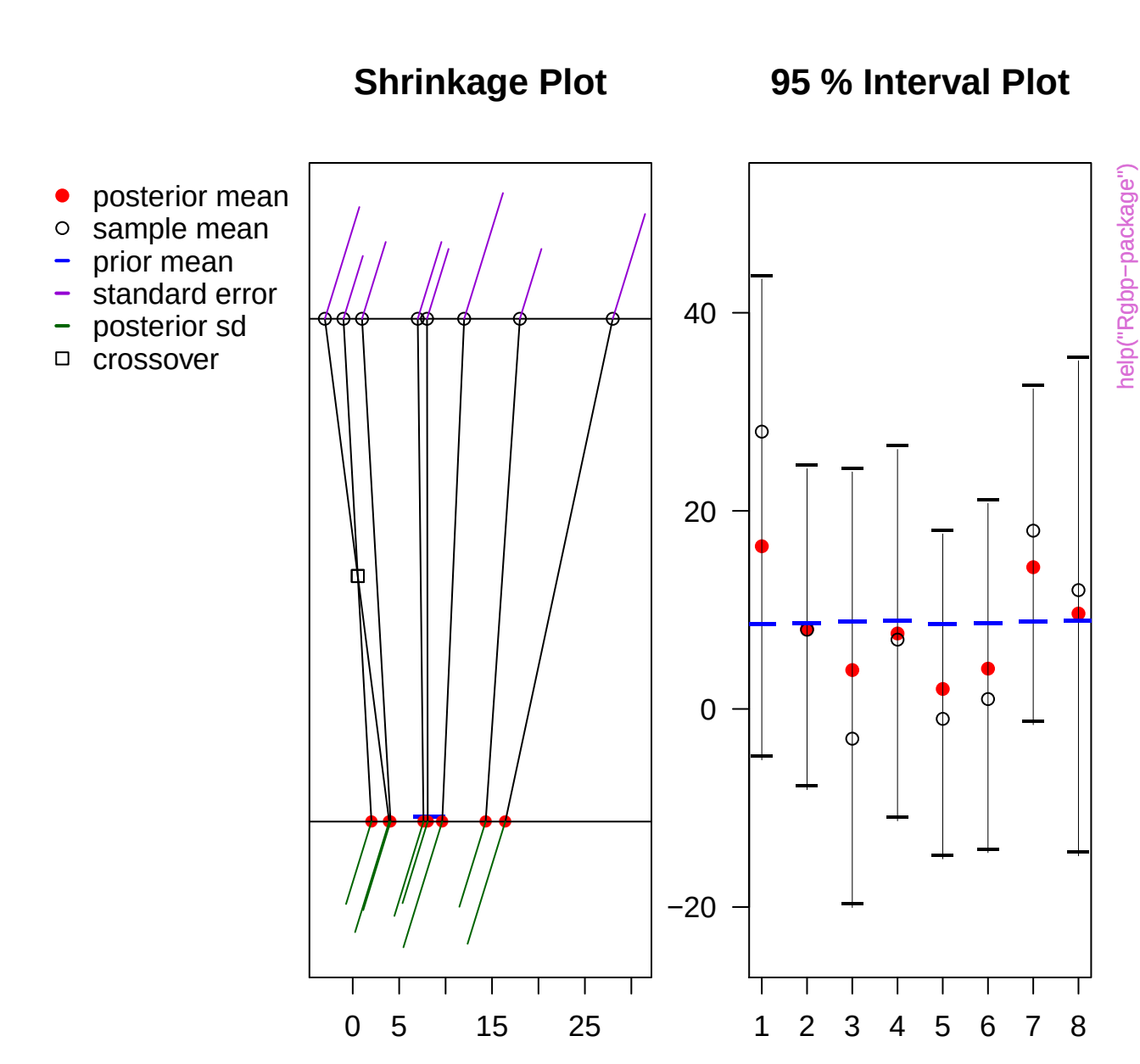

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
40
30
20
10
0
−10
−20
0
5
15
25
1
2
3
4
5
6
7
8
help("Rgbp−package")
ts sorted by the increasing order o

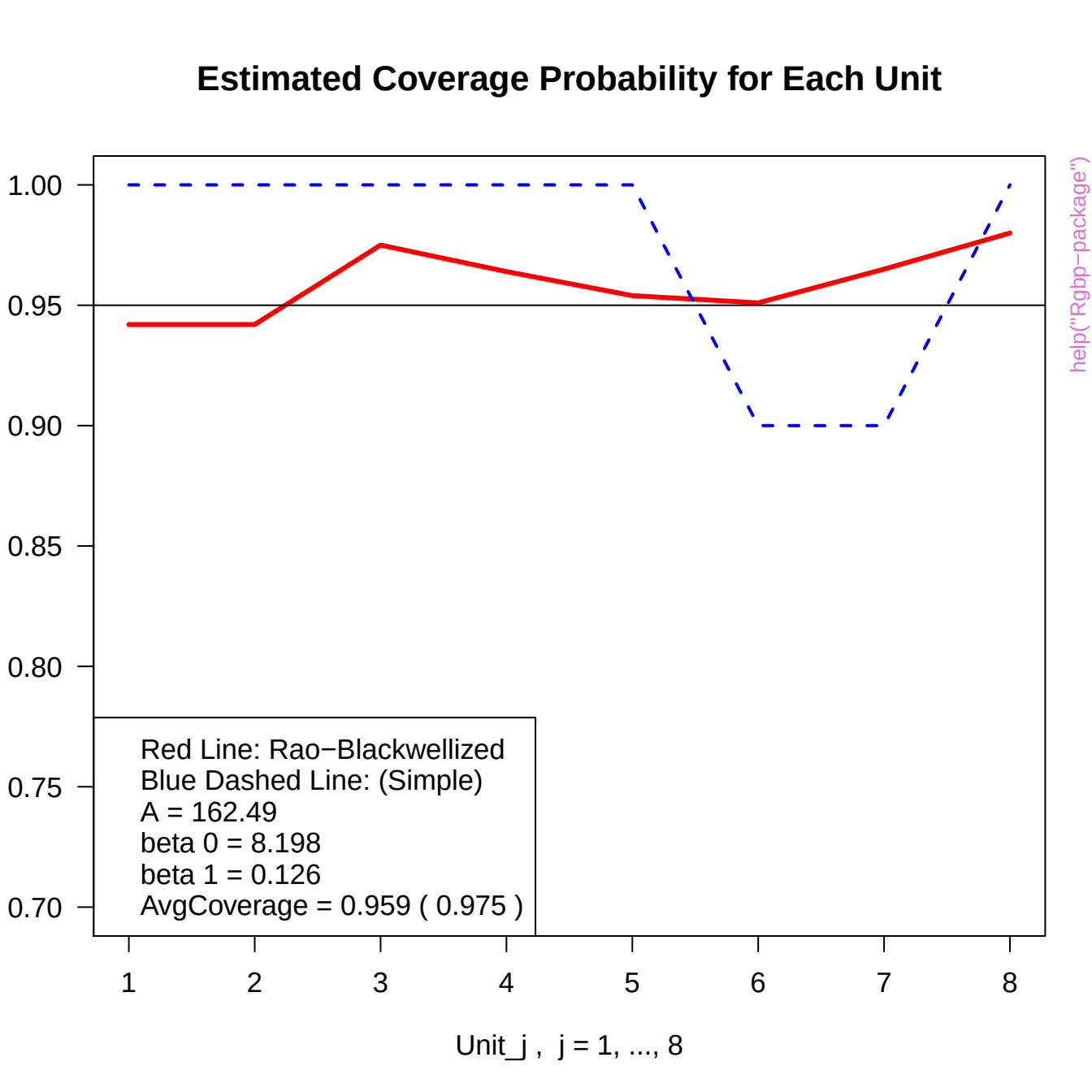

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
40
30
20
10
0
−10
−20
0
5
15
25
1
2
3
4
5
6
7
8
help("Rgbp−package")
ces (Groups) by the order of data i

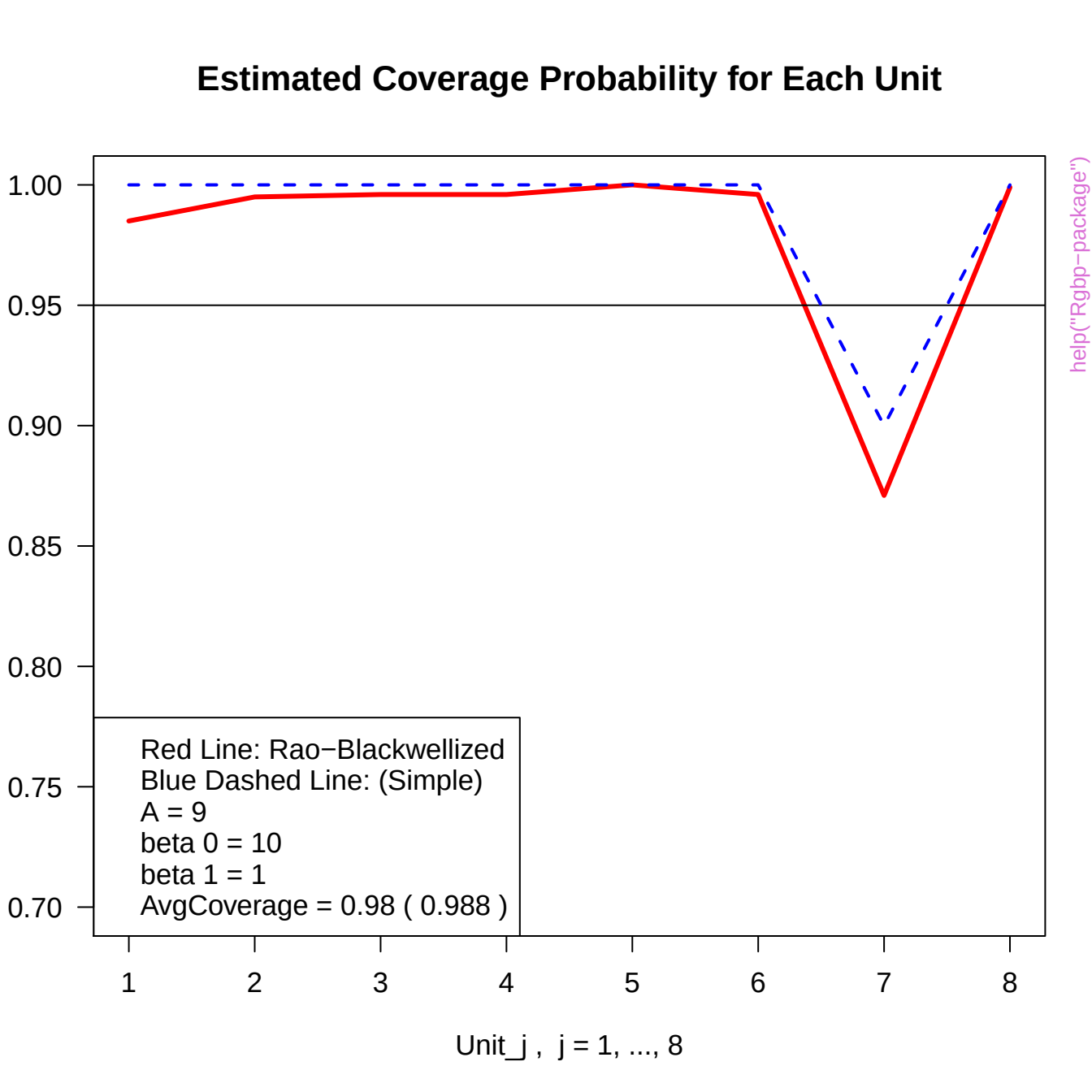

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 117.71
beta 0 = 8.168
AvgCoverage = 0.969 (0.95)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")

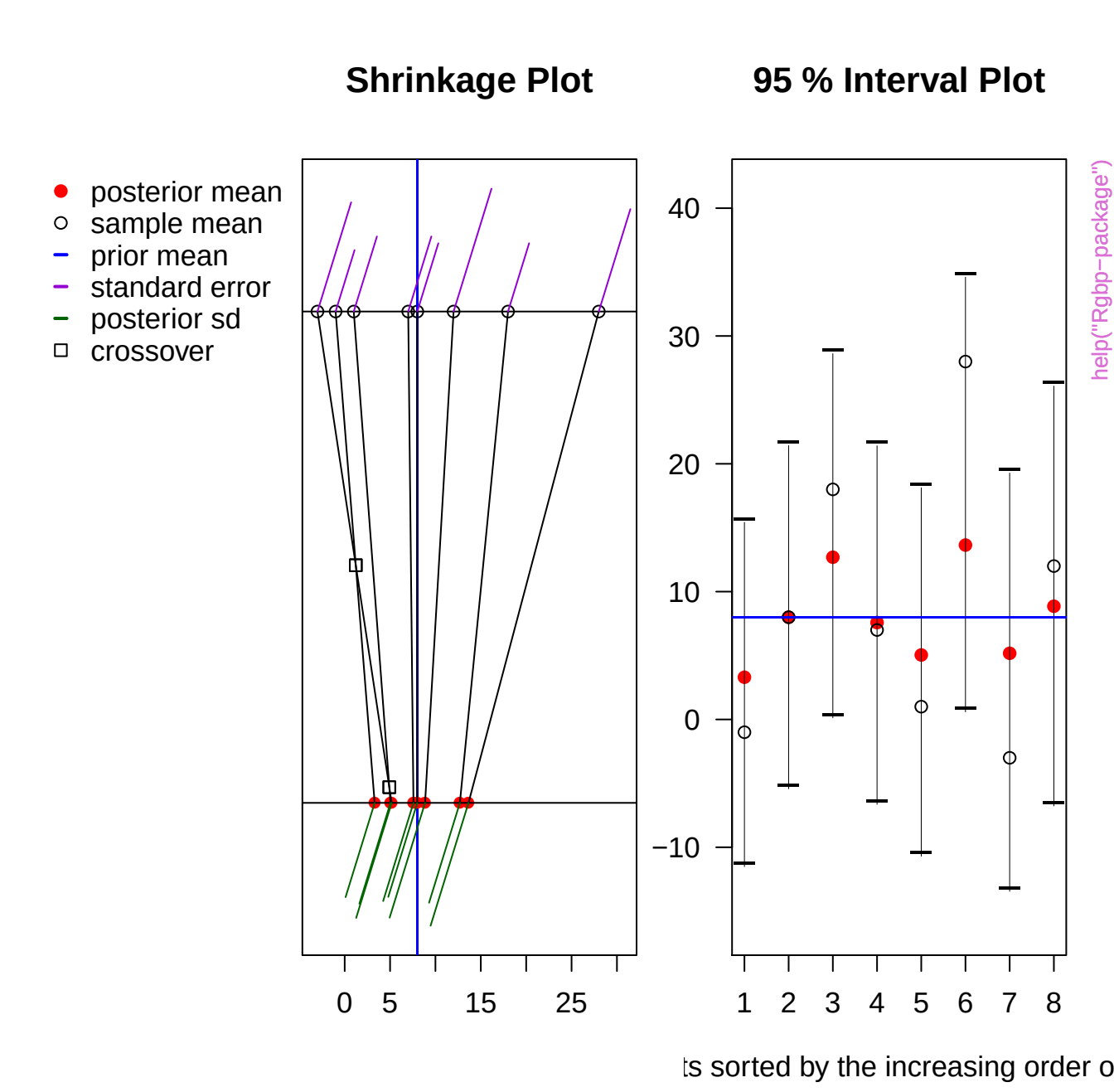

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
beta 0 = 10
AvgCoverage = 0.987 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25
40
20
0
−20
1
2
3
4
5
6
7
8
help("Rgbp−package")
ts sorted by the increasing order o

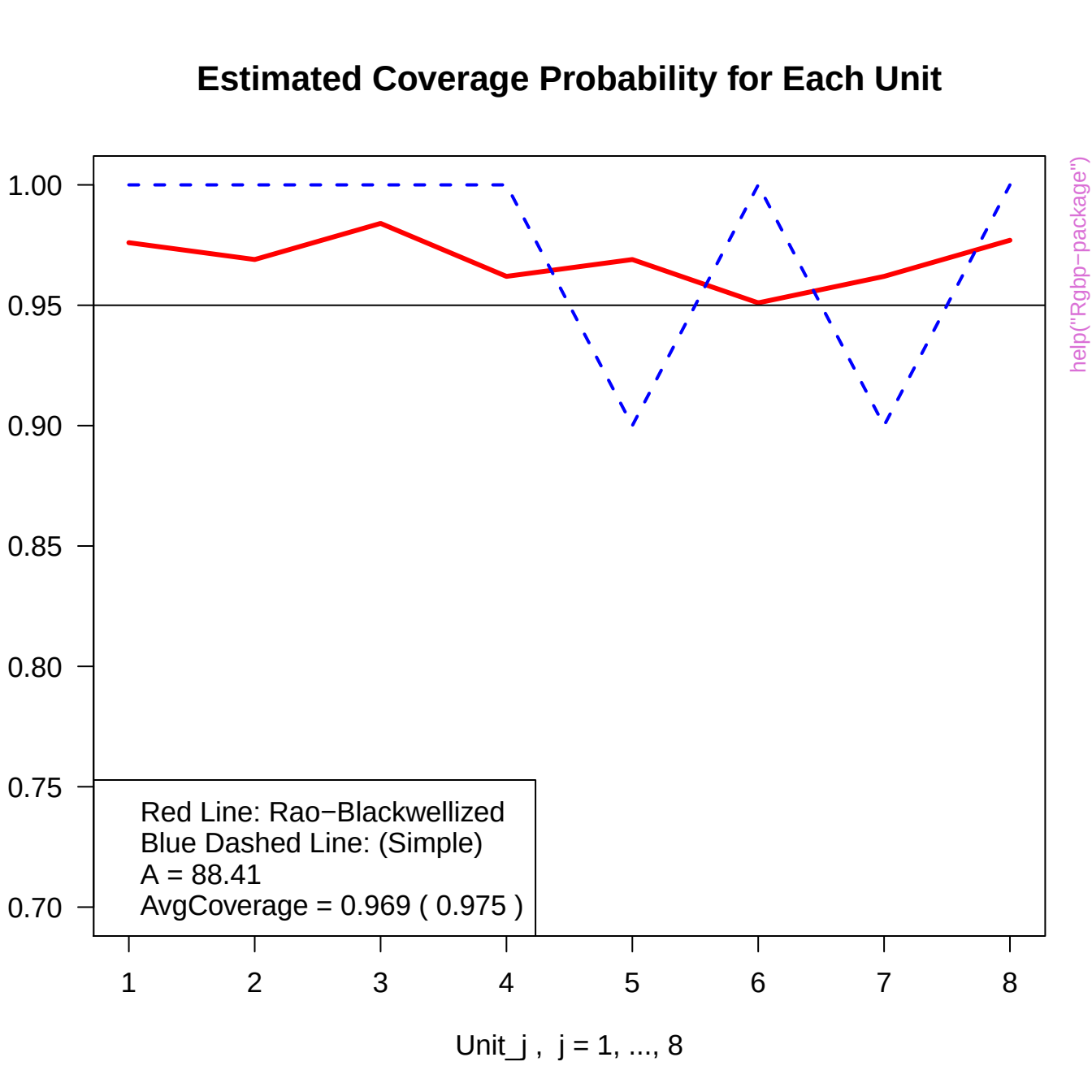

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
40
20
0
−20
0
5
15
25
1
2
3
4
5
6
7
8
help("Rgbp−package")
ces (Groups) by the order of data i

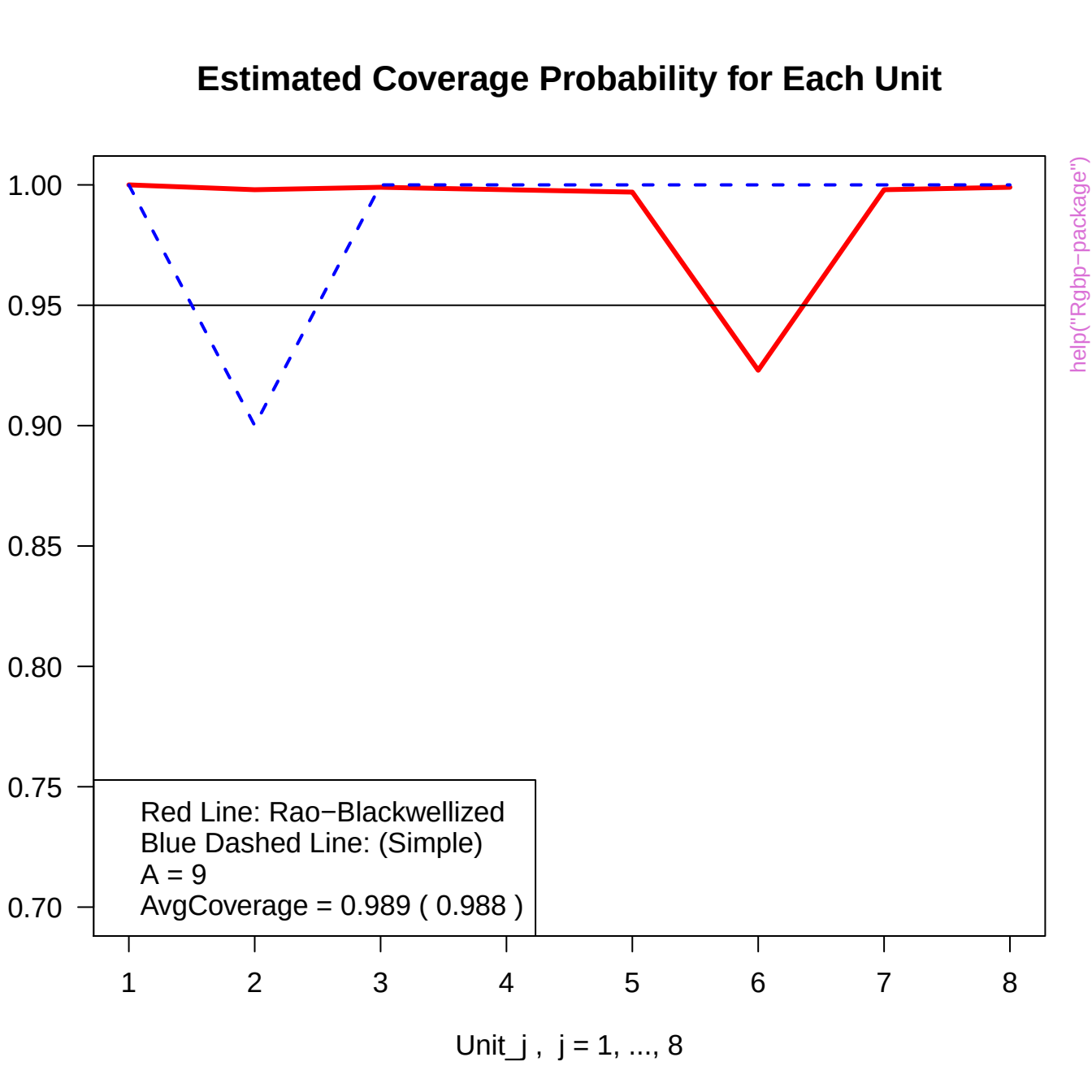

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 162.49
beta 0 = 8.198
beta 1 = 0.126
AvgCoverage = 0.959 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")

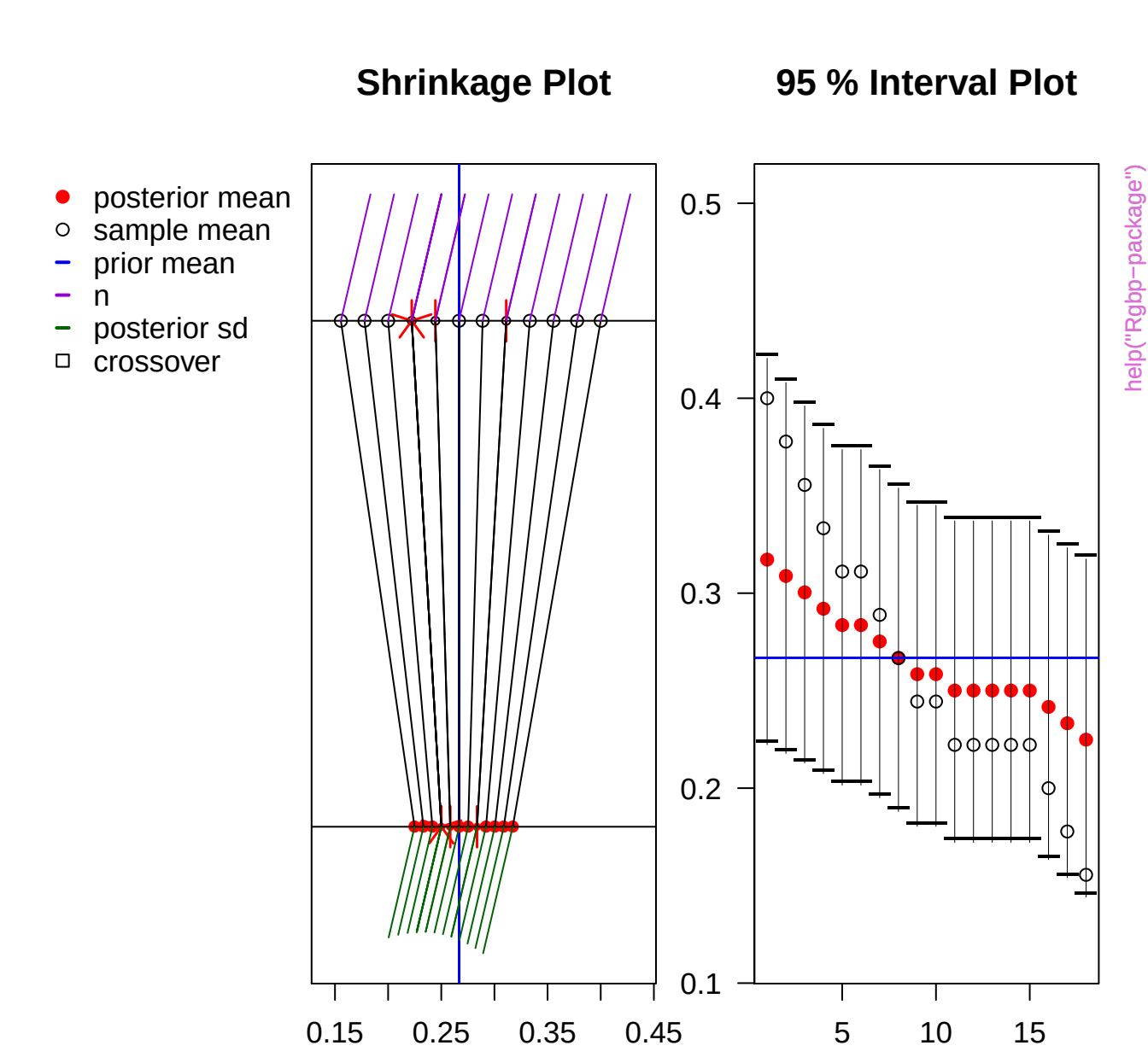

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
beta 0 = 10
beta 1 = 1
AvgCoverage = 0.98 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")

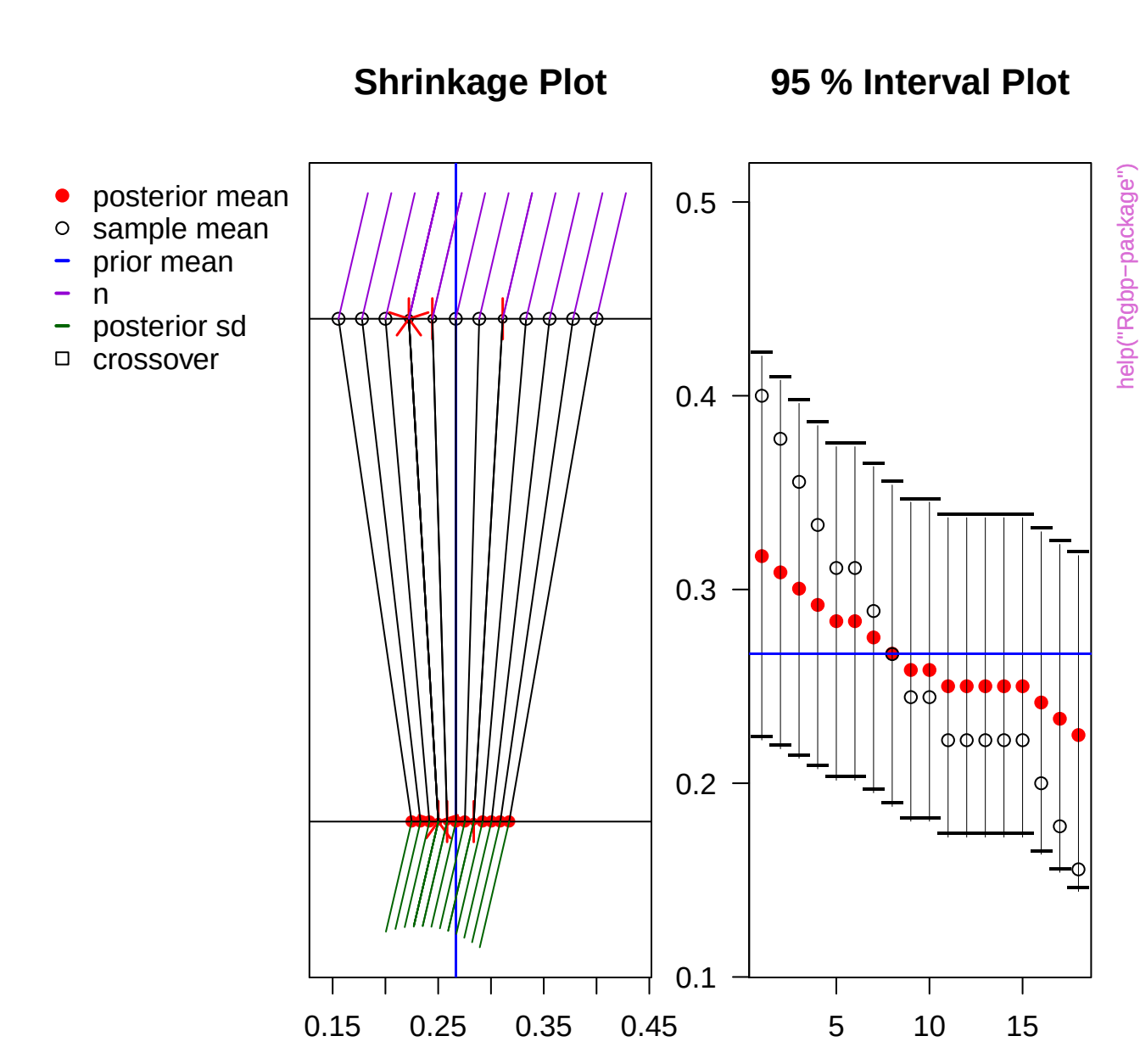

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
40
30
20
10
0
−10
0
5
15
25
1
2
3
4
5
6
7
8
help("Rgbp−package")
ts sorted by the increasing order o

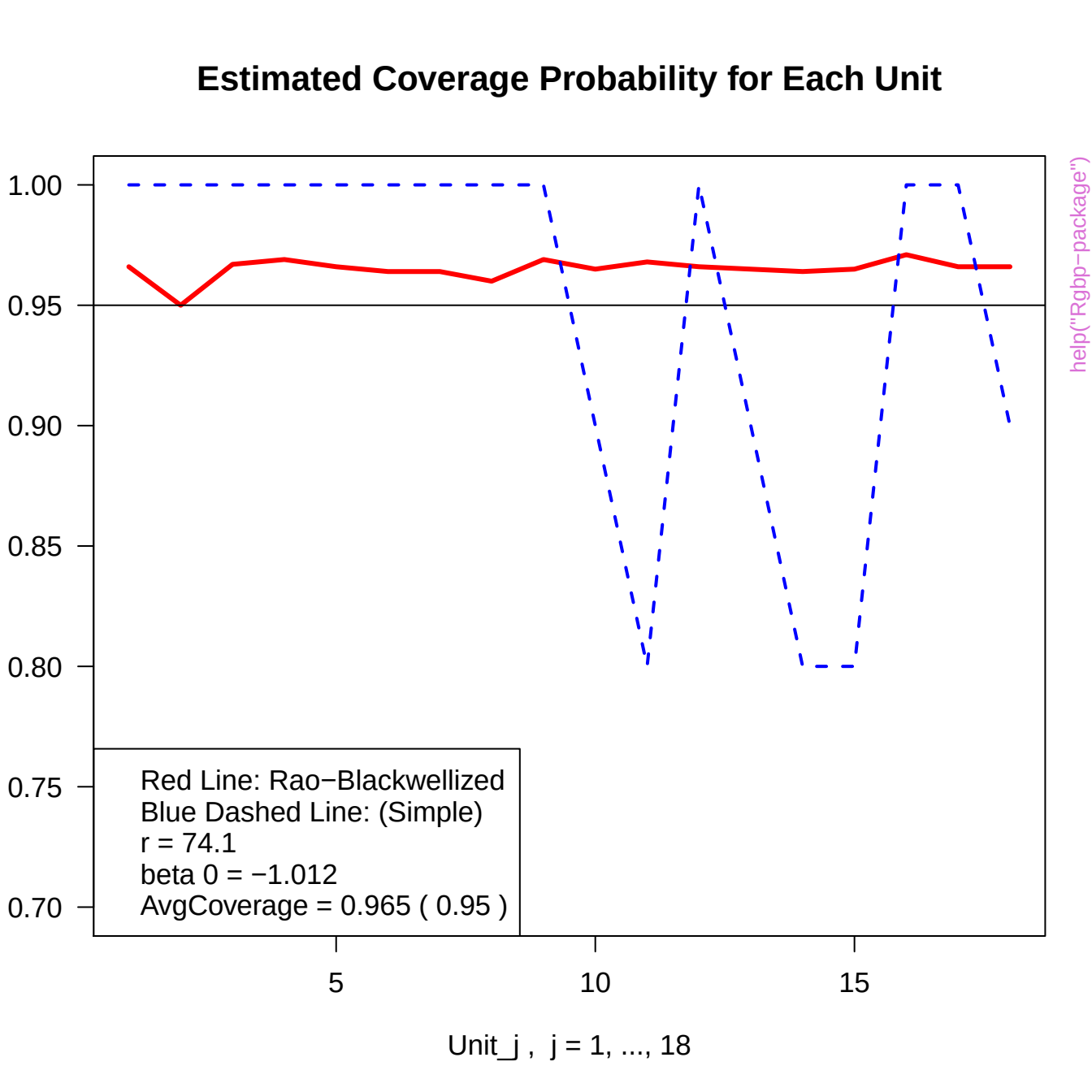
Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25
40
30
20
10
0
−10
1
2
3
4
5
6
7
8
help("Rgbp−package")
ces (Groups) by the order of data i

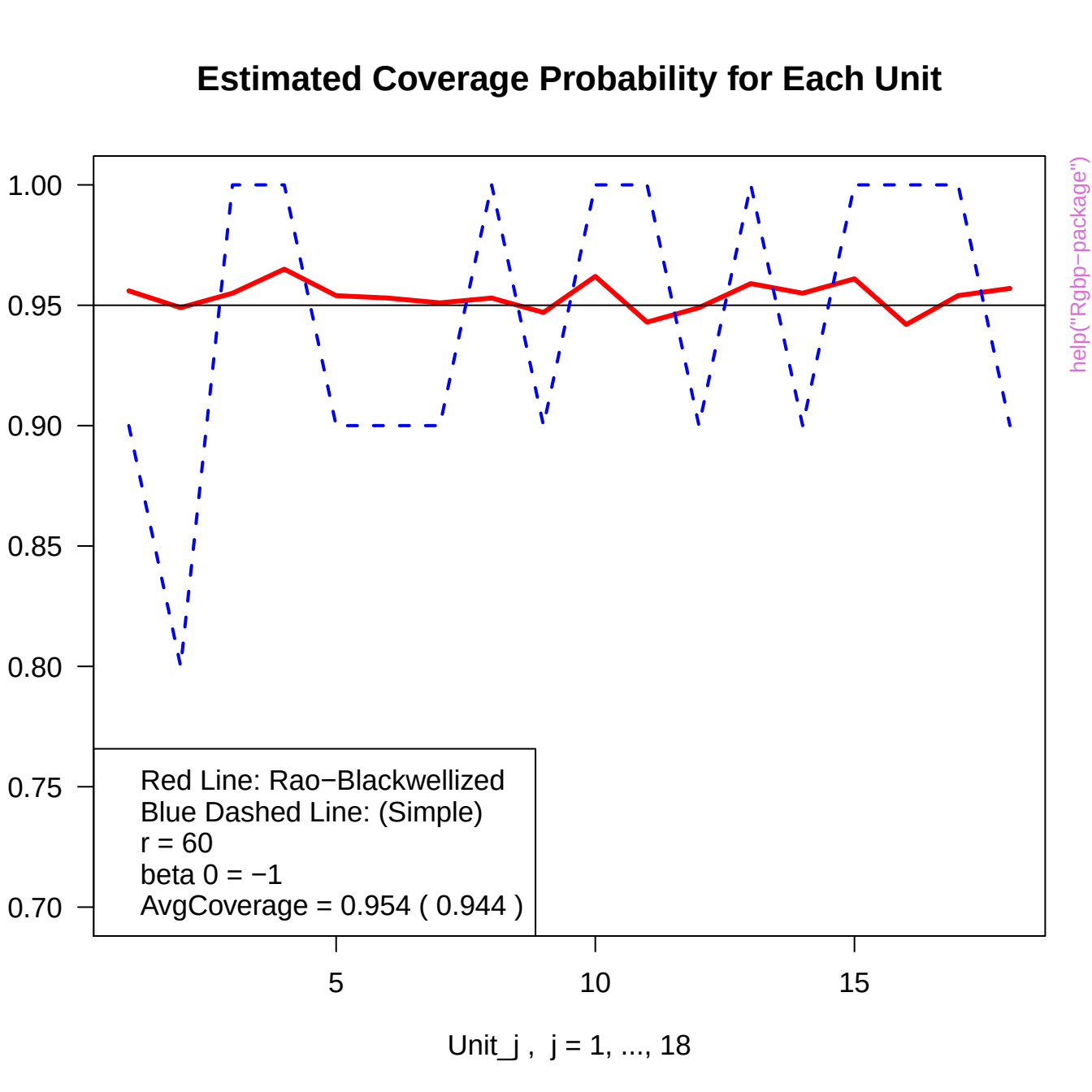

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 88.41
AvgCoverage = 0.969 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")

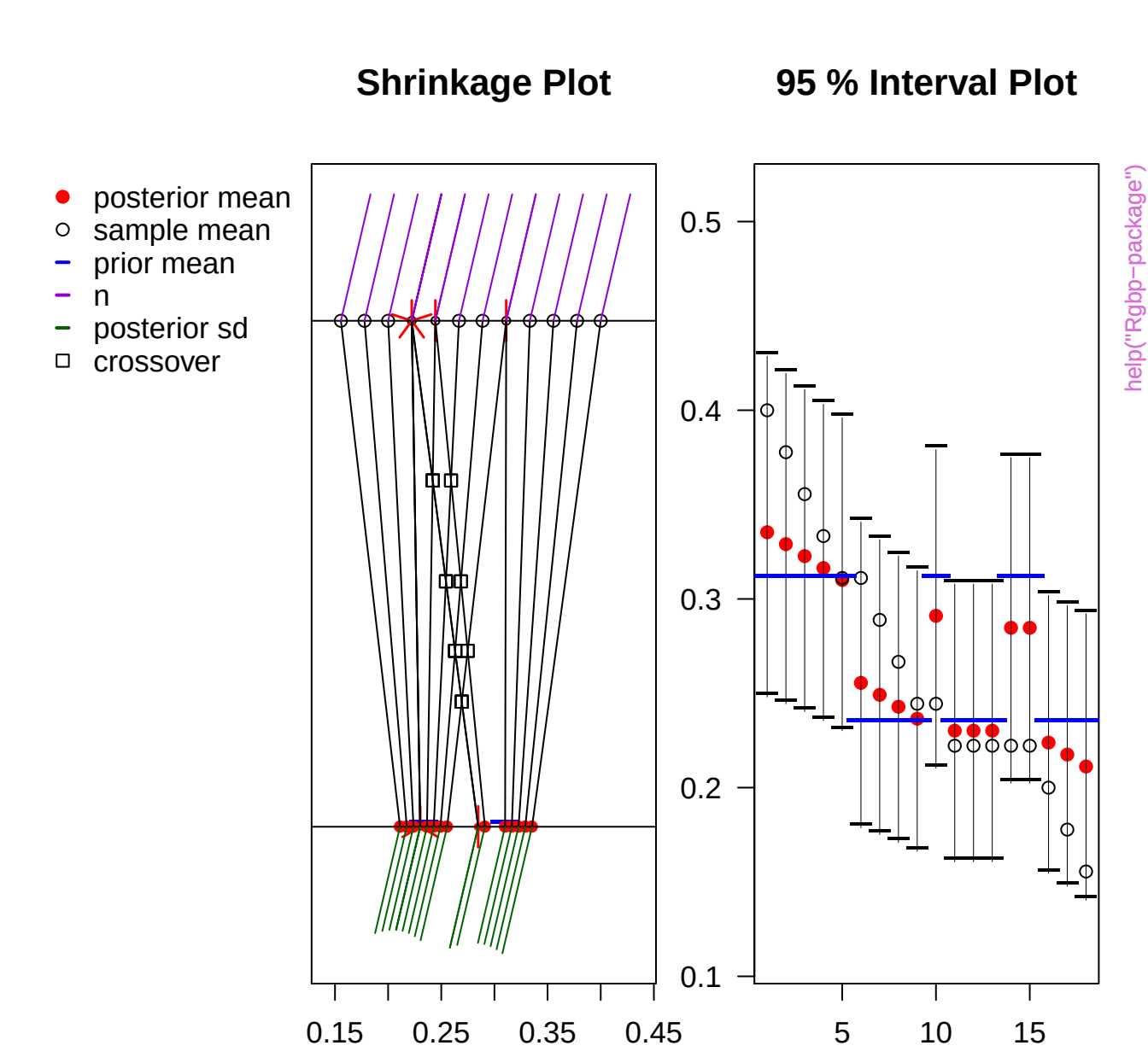

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
AvgCoverage = 0.989 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.5
0.4
0.3
0.2
0.1
0.15
0.25
0.35
0.45
5
10
15
help("Rgbp−package")
its sorted by the increasing order o

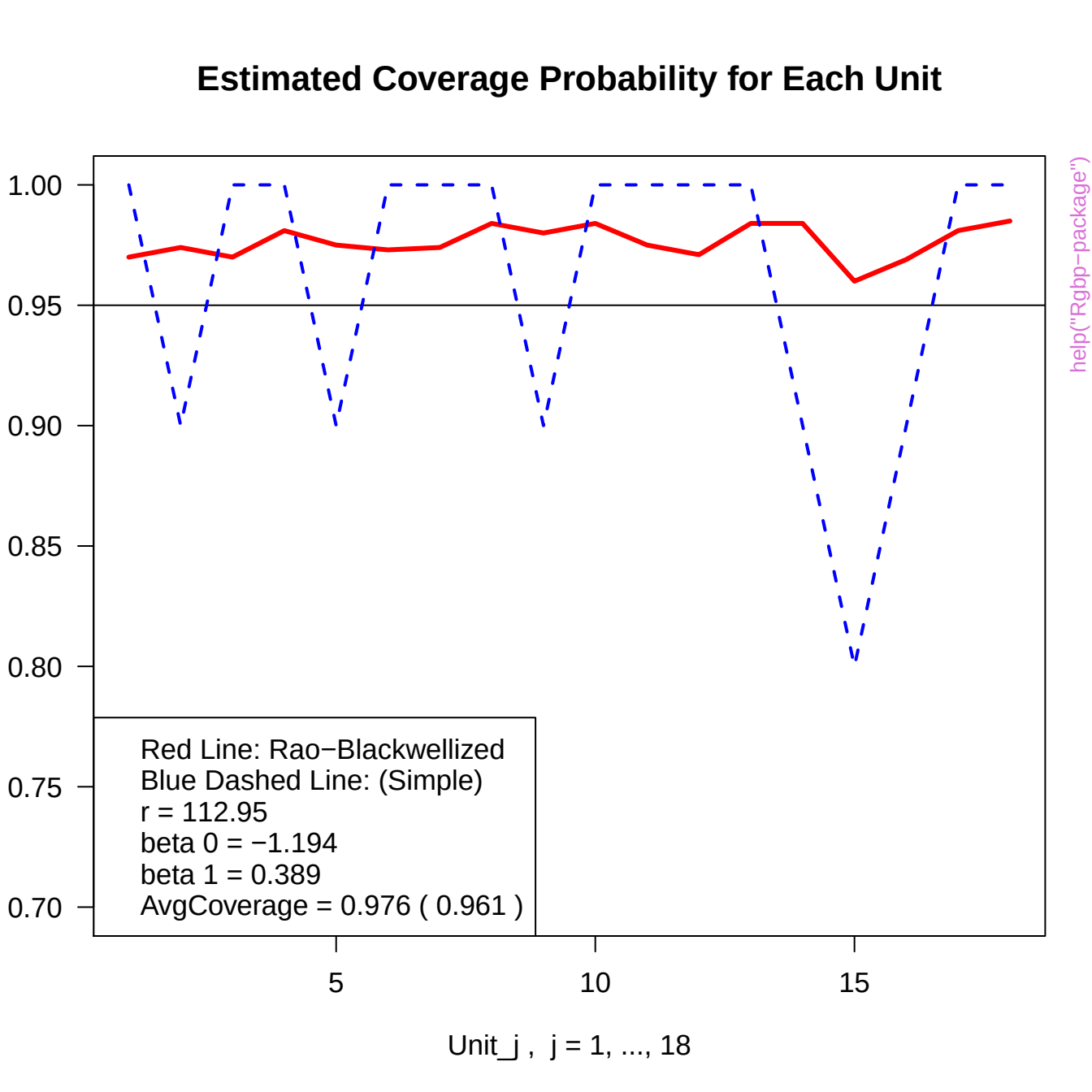

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.5
0.4
0.3
0.2
0.1
5
10
15
help("Rgbp−package")
ces (Groups) by the order of data i

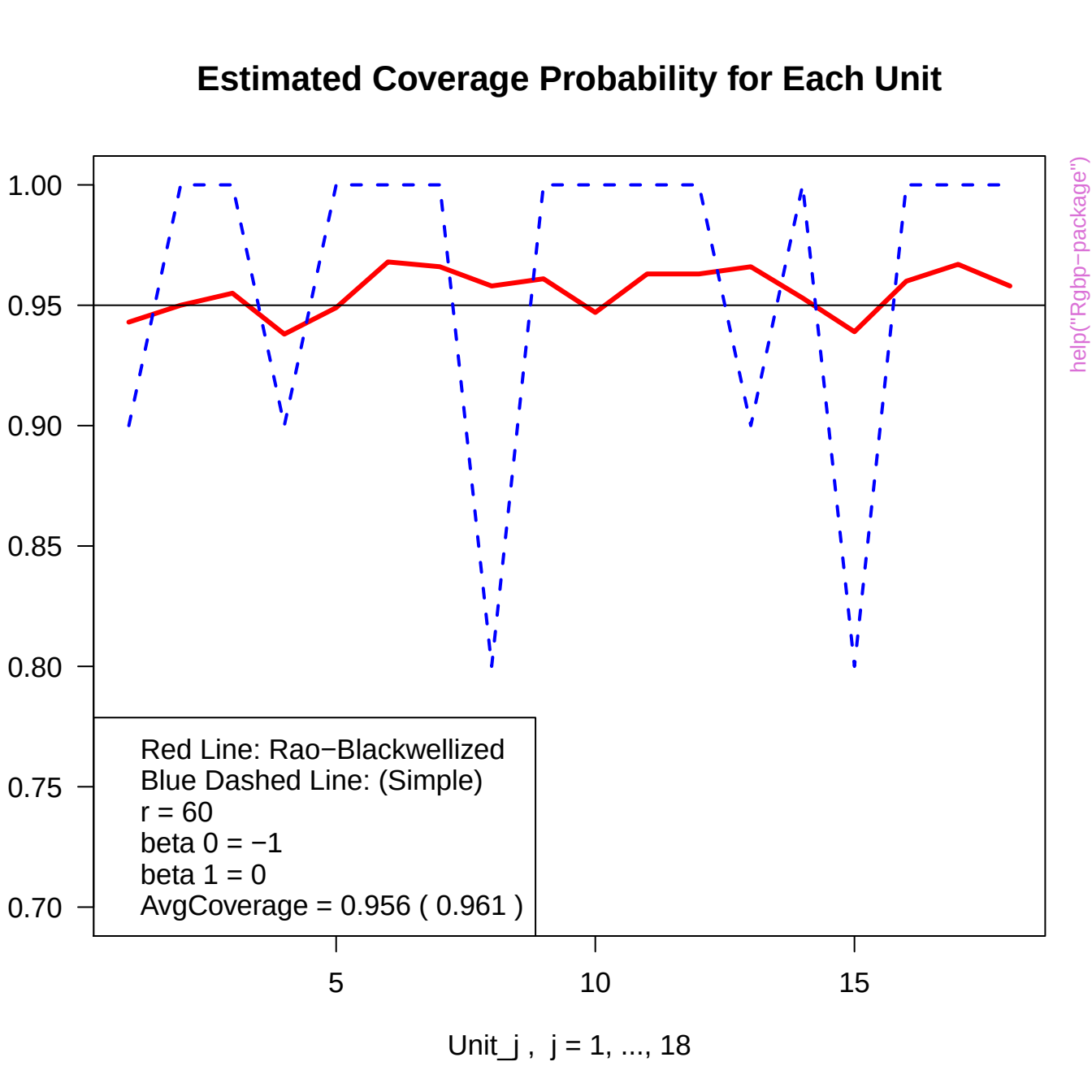

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 74.1
beta 0 = −1.012
AvgCoverage = 0.965 (0.95)
help("Rgbp−package")

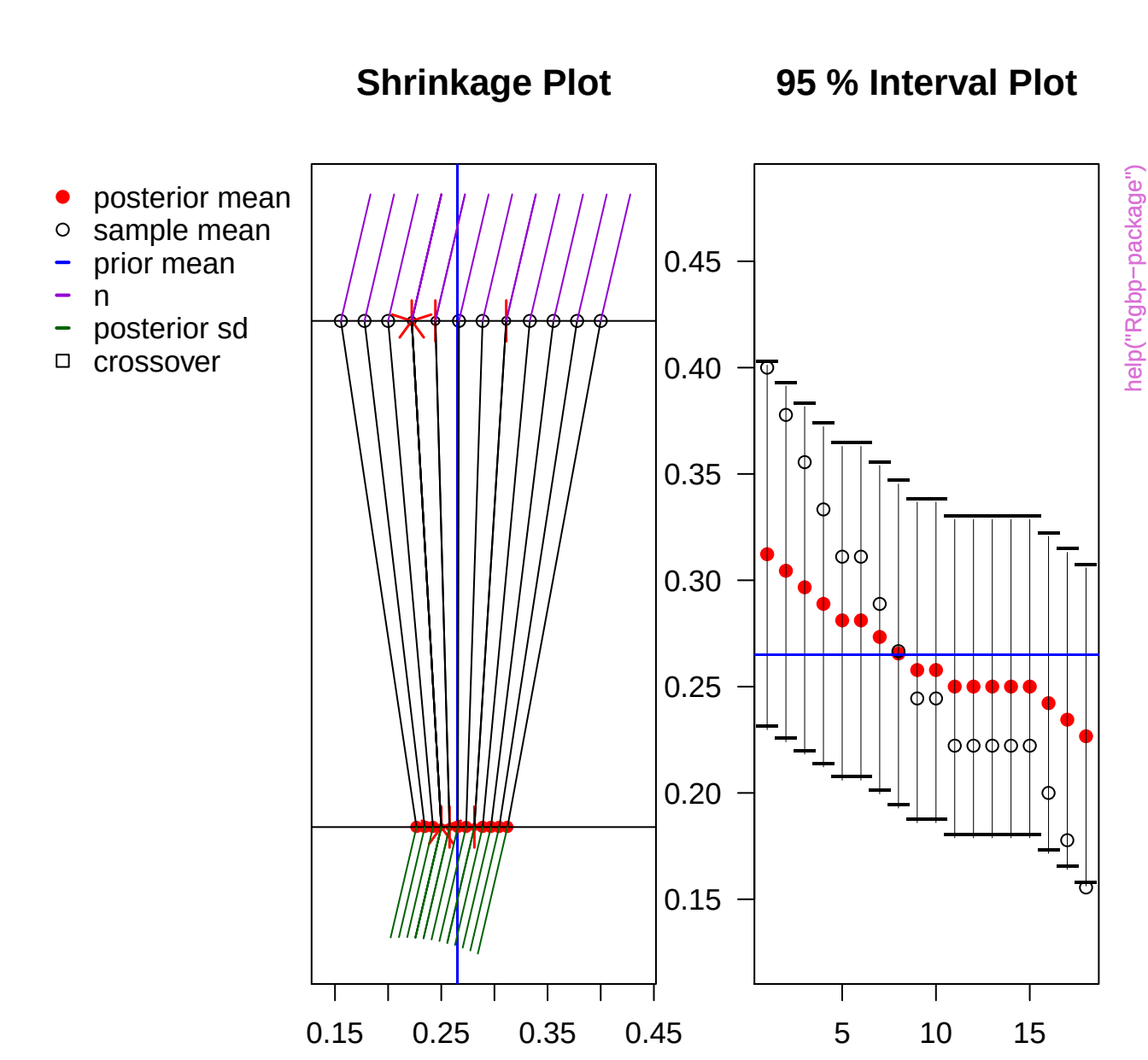

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −1
AvgCoverage = 0.954 (0.944)
help("Rgbp−package")

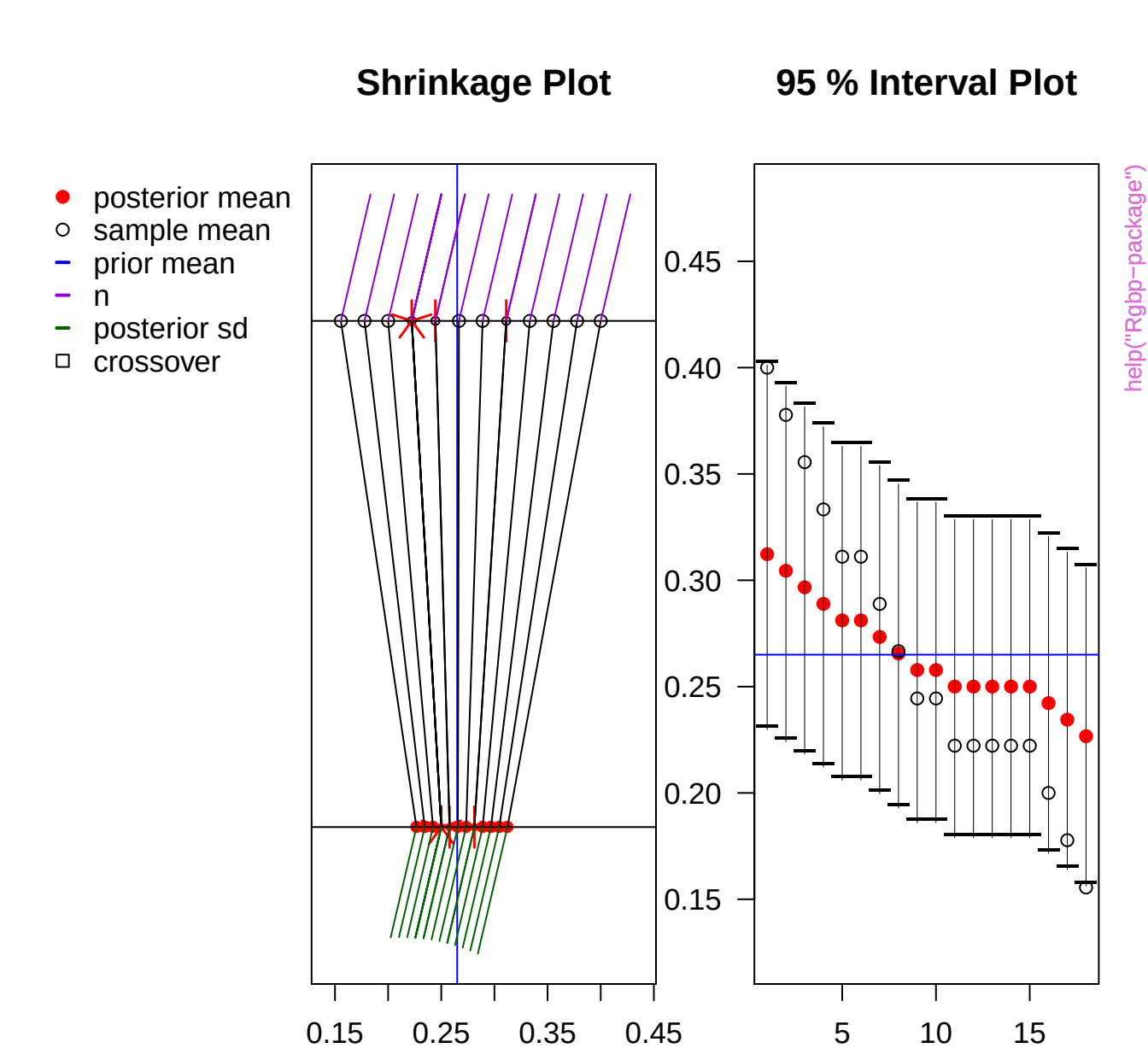

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.1
0.2
0.3
0.4
0.5
5
10
15
help("Rgbp-package")
its sorted by the increasing order o

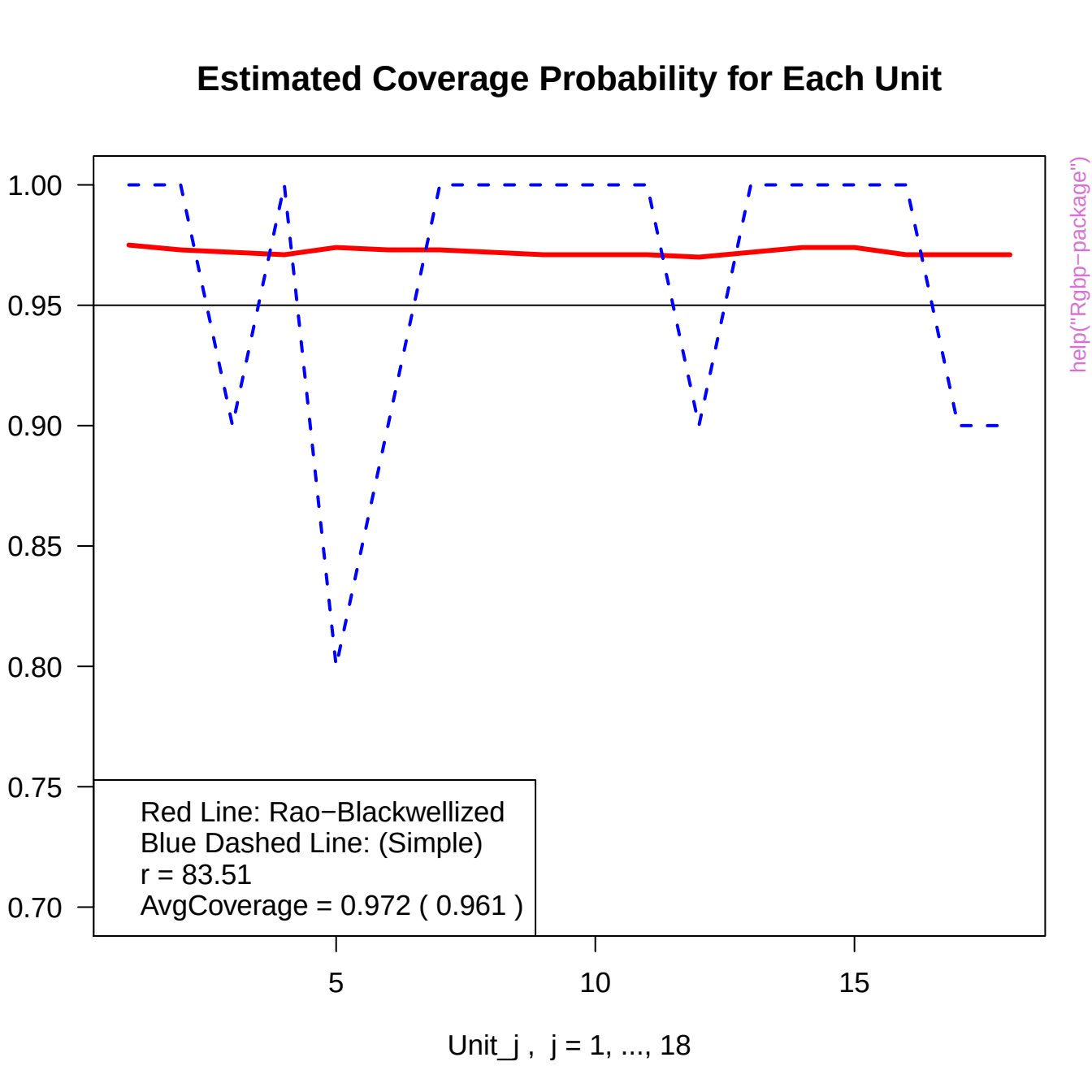
Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.1
0.2
0.3
0.4
0.5
5
10
15
help("Rgbp-package")
ces (Groups) by the order of data i

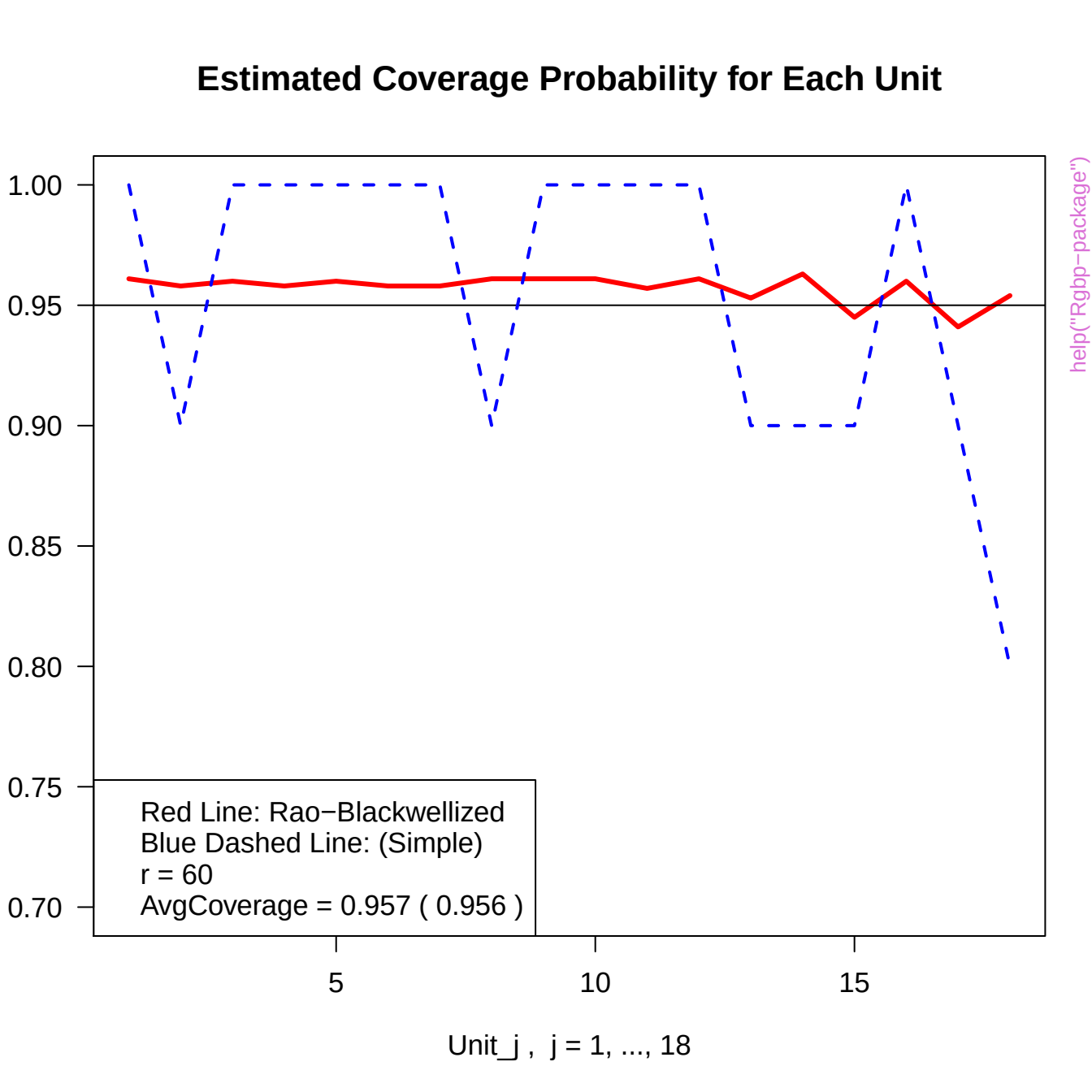

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 112.95
beta 0 = −1.194
beta 1 = 0.389
AvgCoverage = 0.976 (0.961)
help("Rgbp−package")

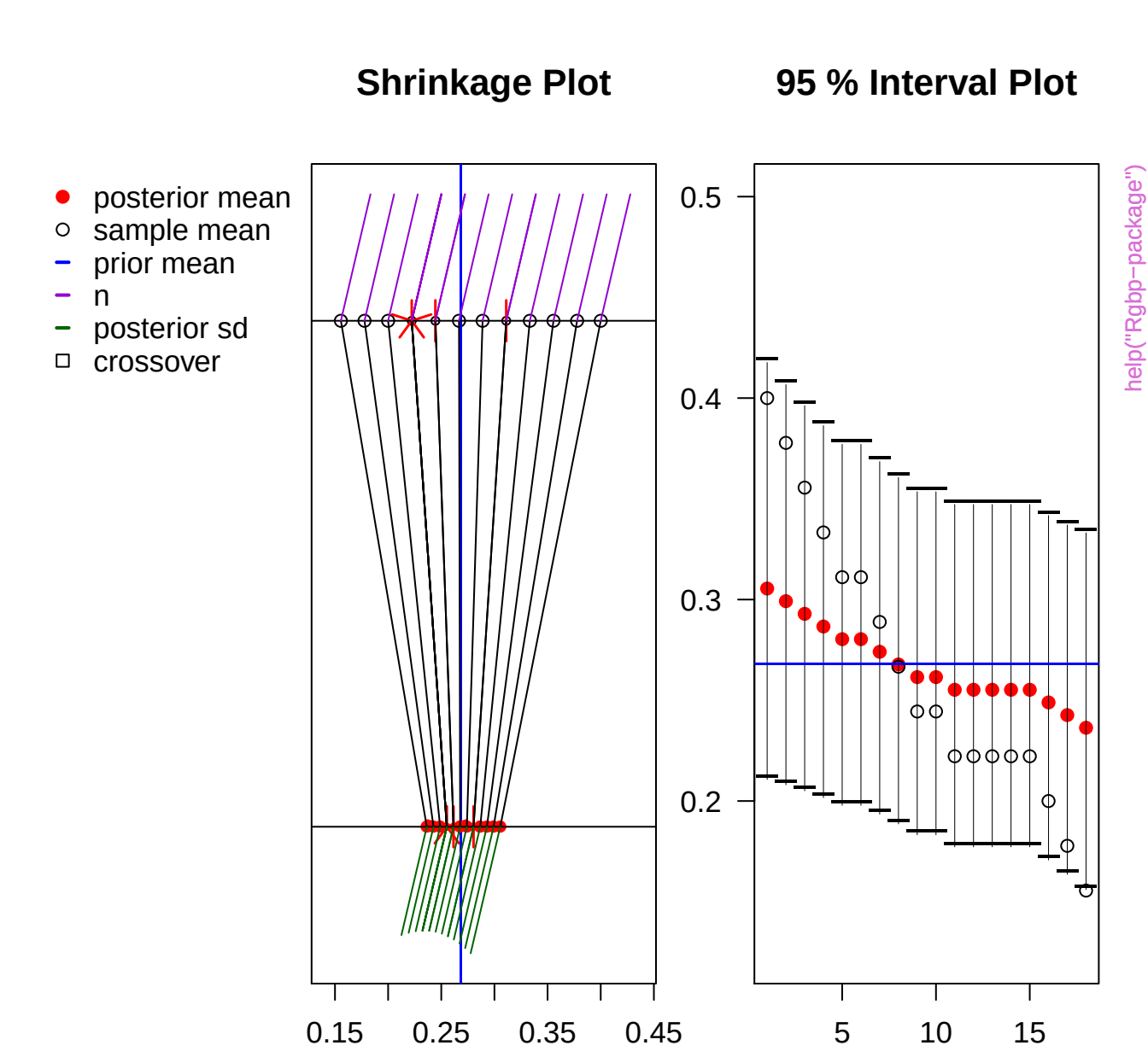

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −1
beta 1 = 0
AvgCoverage = 0.956 (0.961)
5
10
15
Unit_j , j = 1, ..., 18
help("Rgbp−package")

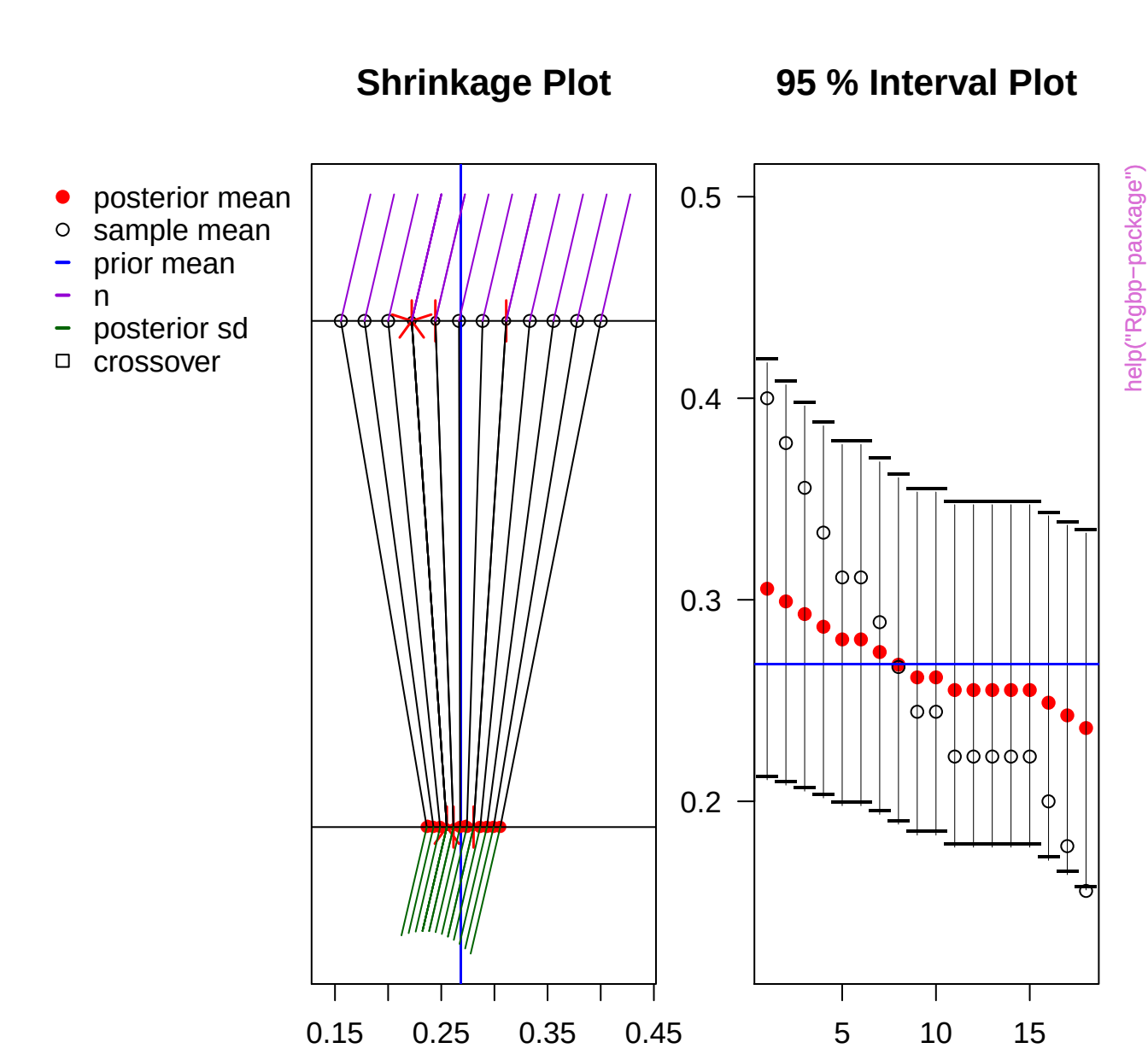

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("Rgbp−package")
its sorted by the increasing order o

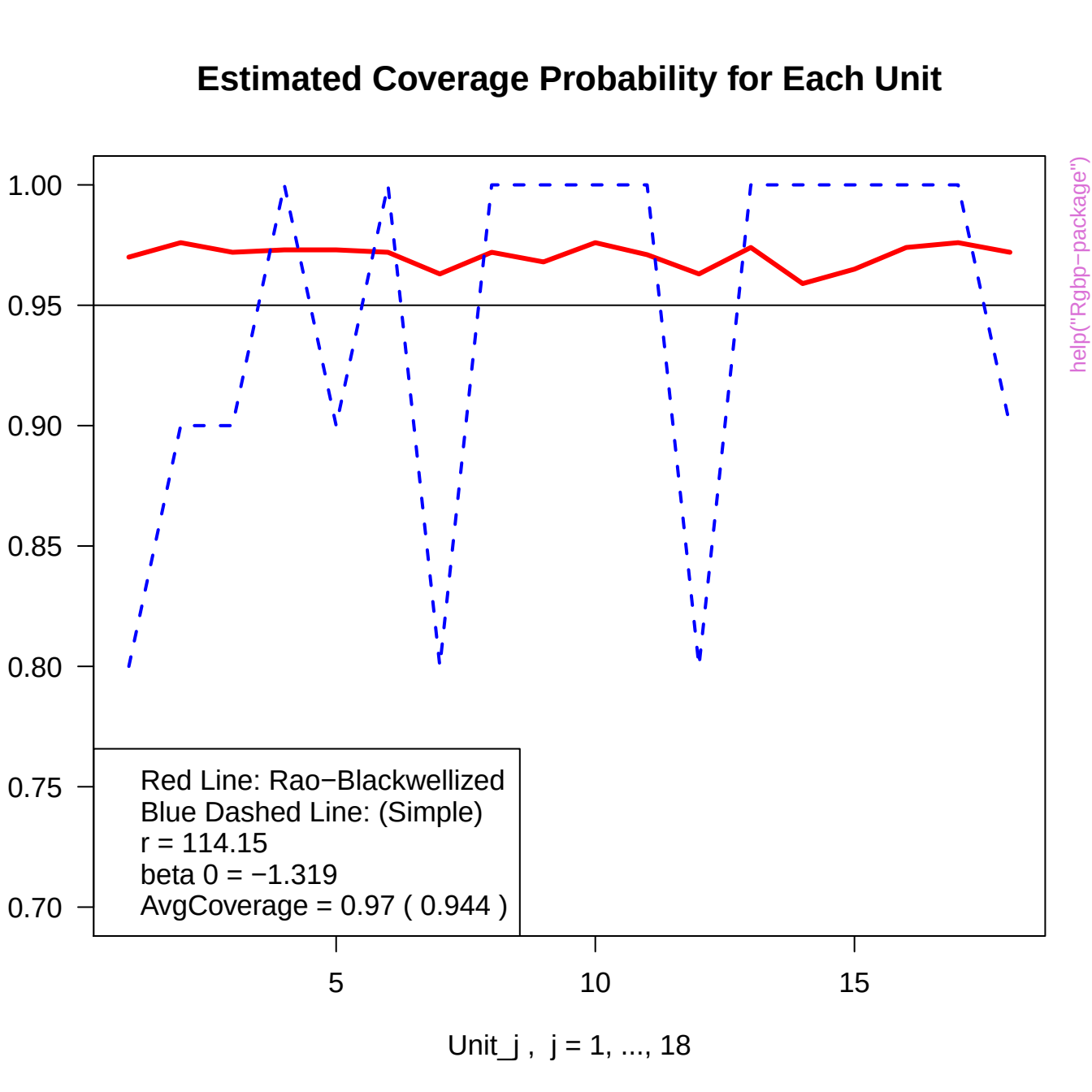

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("Rgbp−package")
ces (Groups) by the order of data i

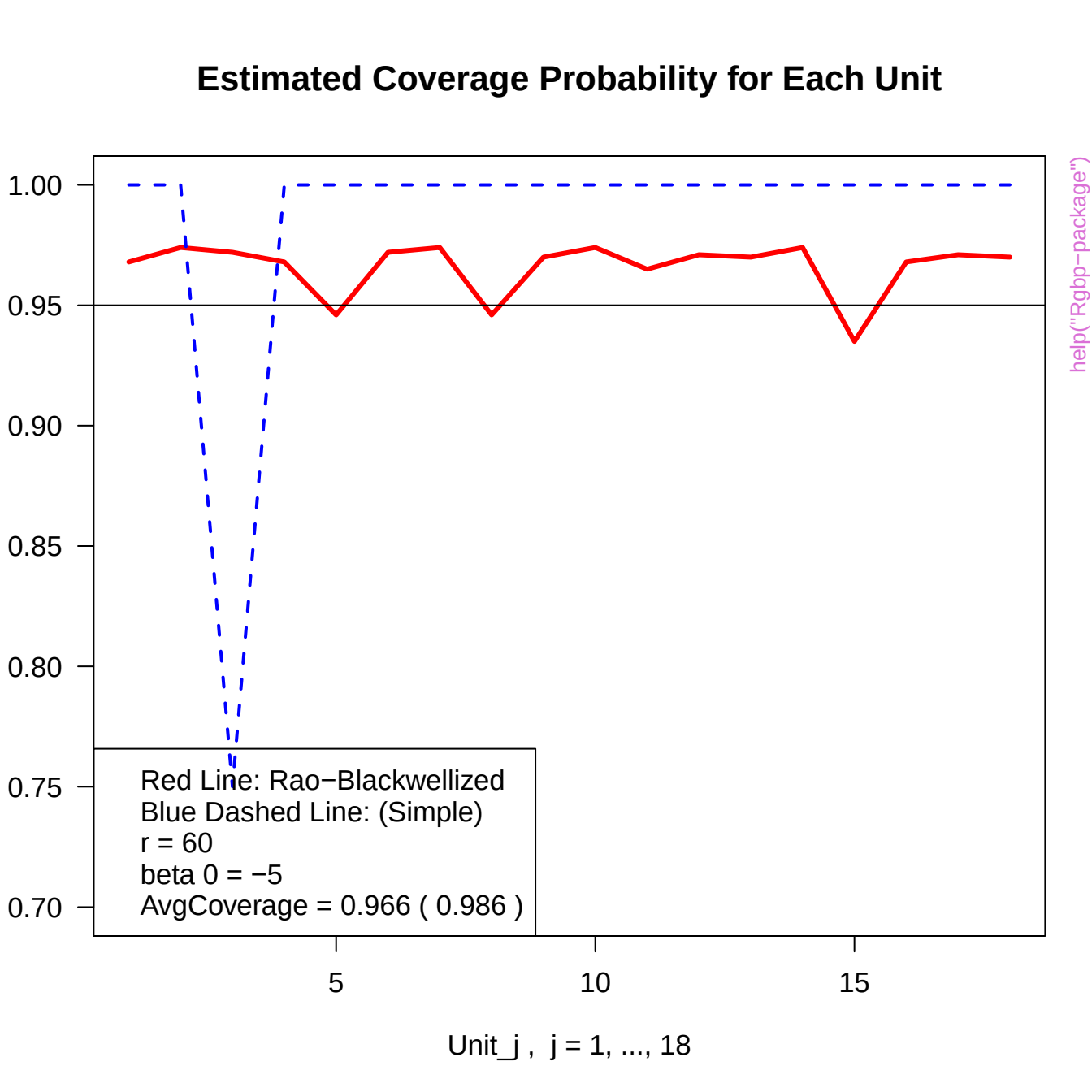

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 83.51
AvgCoverage = 0.972 (0.961)
5
10
15
Unit_j , j = 1, ..., 18
help("Rgbp−package")

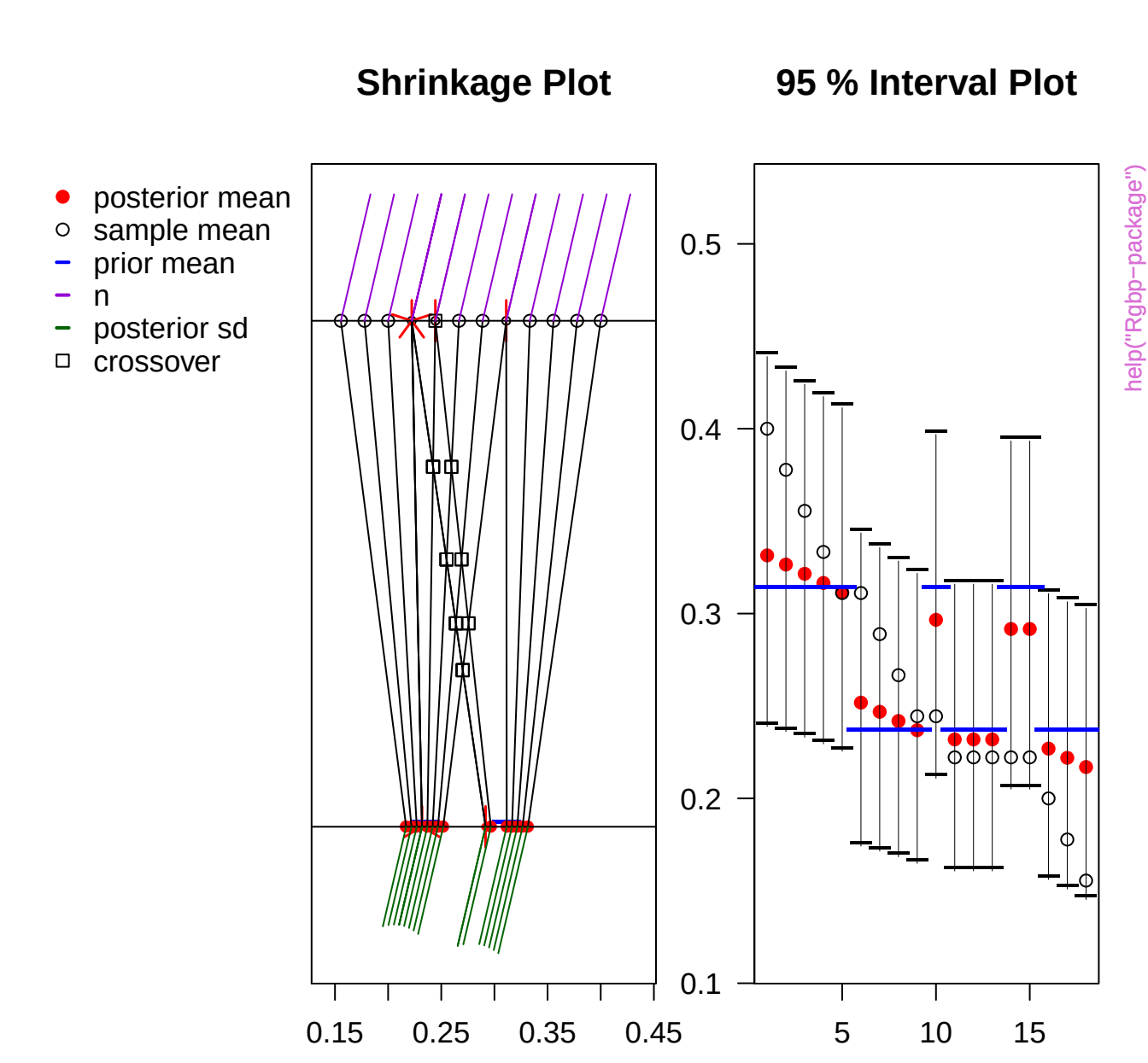

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
AvgCoverage = 0.957 (0.956)
help("Rgbp−package")


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.5
0.4
0.3
0.2
0.15
0.25
0.35
0.45
5
10
15
help("Rgbp−package")
its sorted by the increasing order o

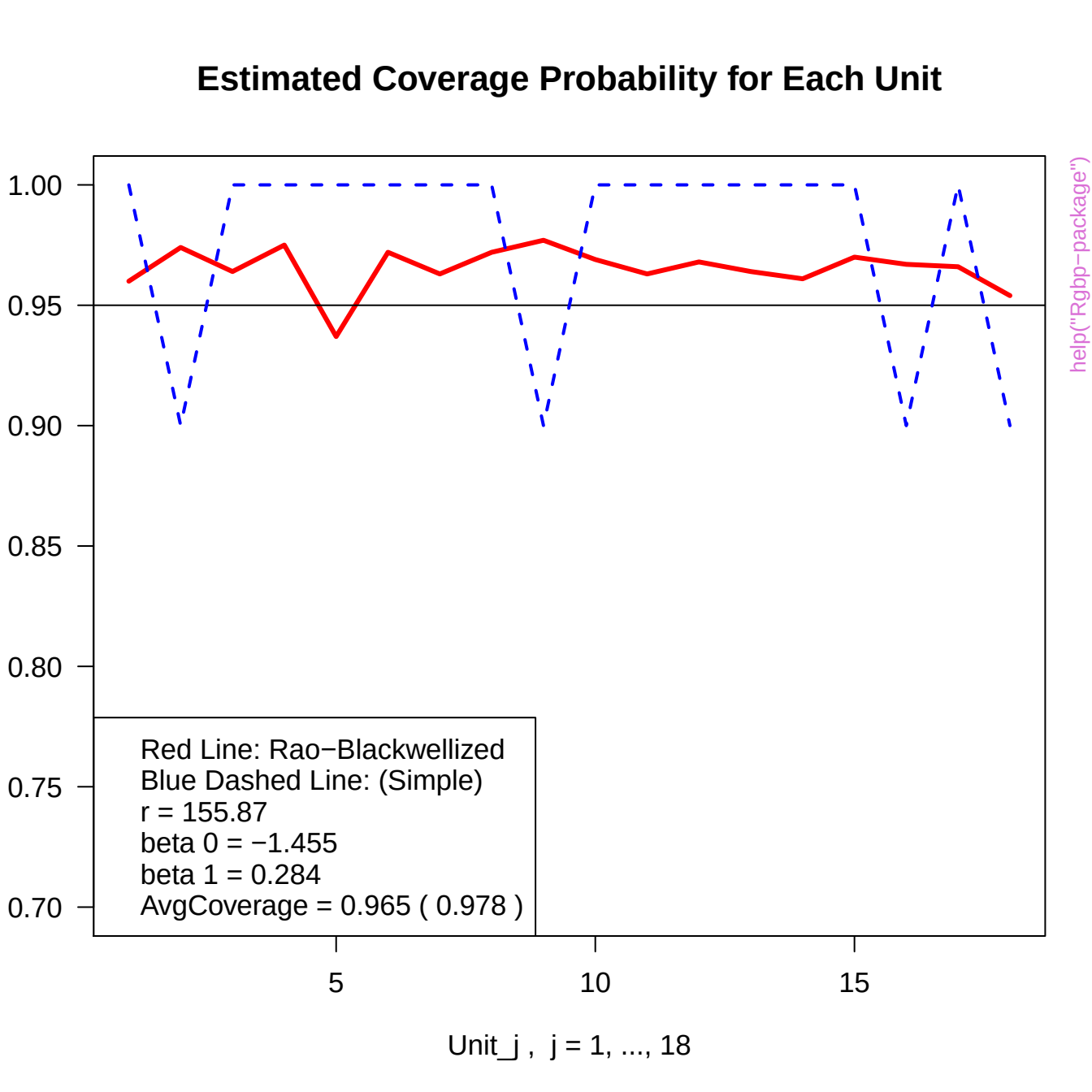

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.5
0.4
0.3
0.2
0.15
0.25
0.35
0.45
5
10
15
help("Rgbp−package")
ces (Groups) by the order of data i

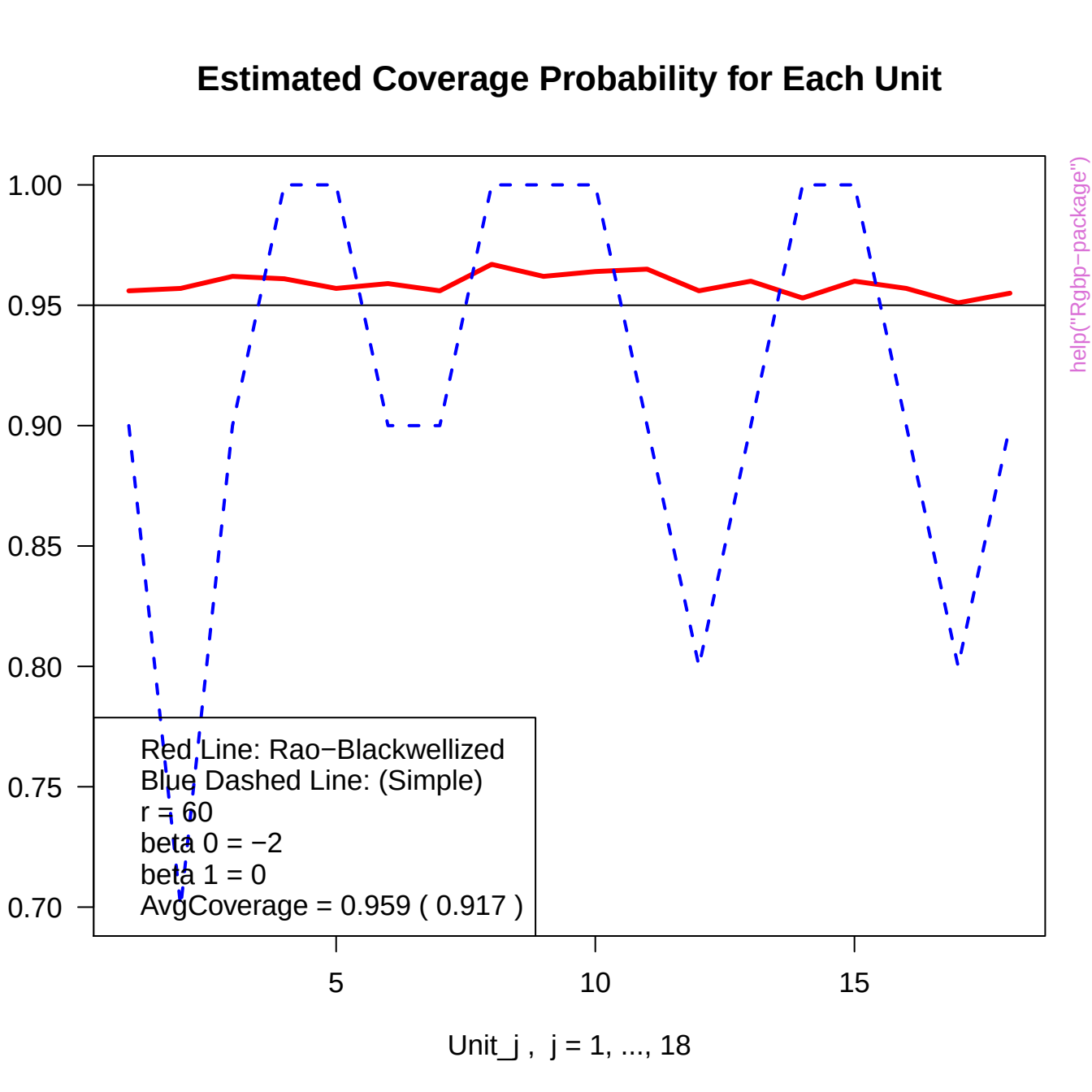

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 114.15
beta 0 = −1.319
AvgCoverage = 0.97 (0.944)
help("Rgbp−package")

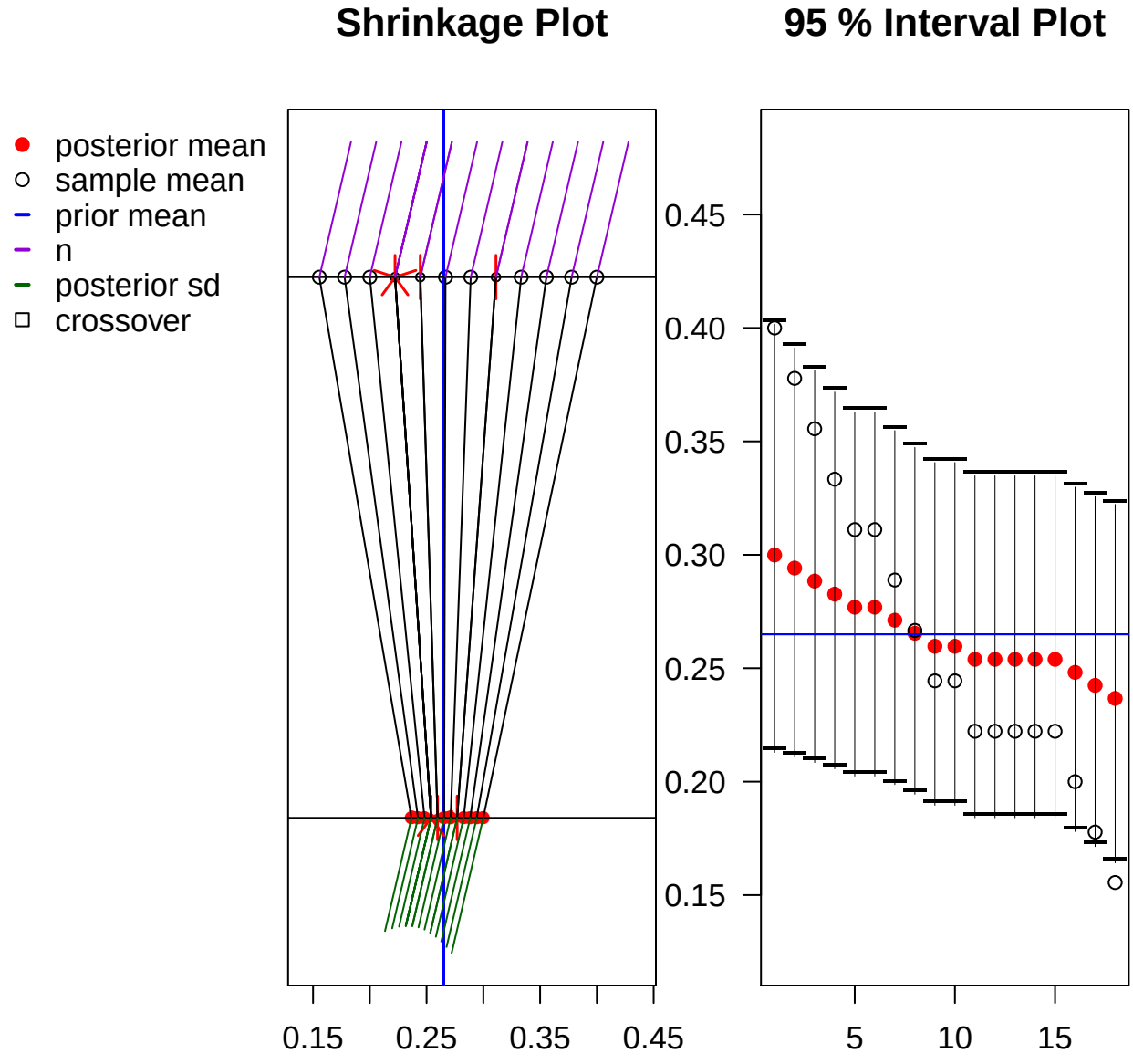

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −5
AvgCoverage = 0.966 (0.986)
help("Rgbp−package")

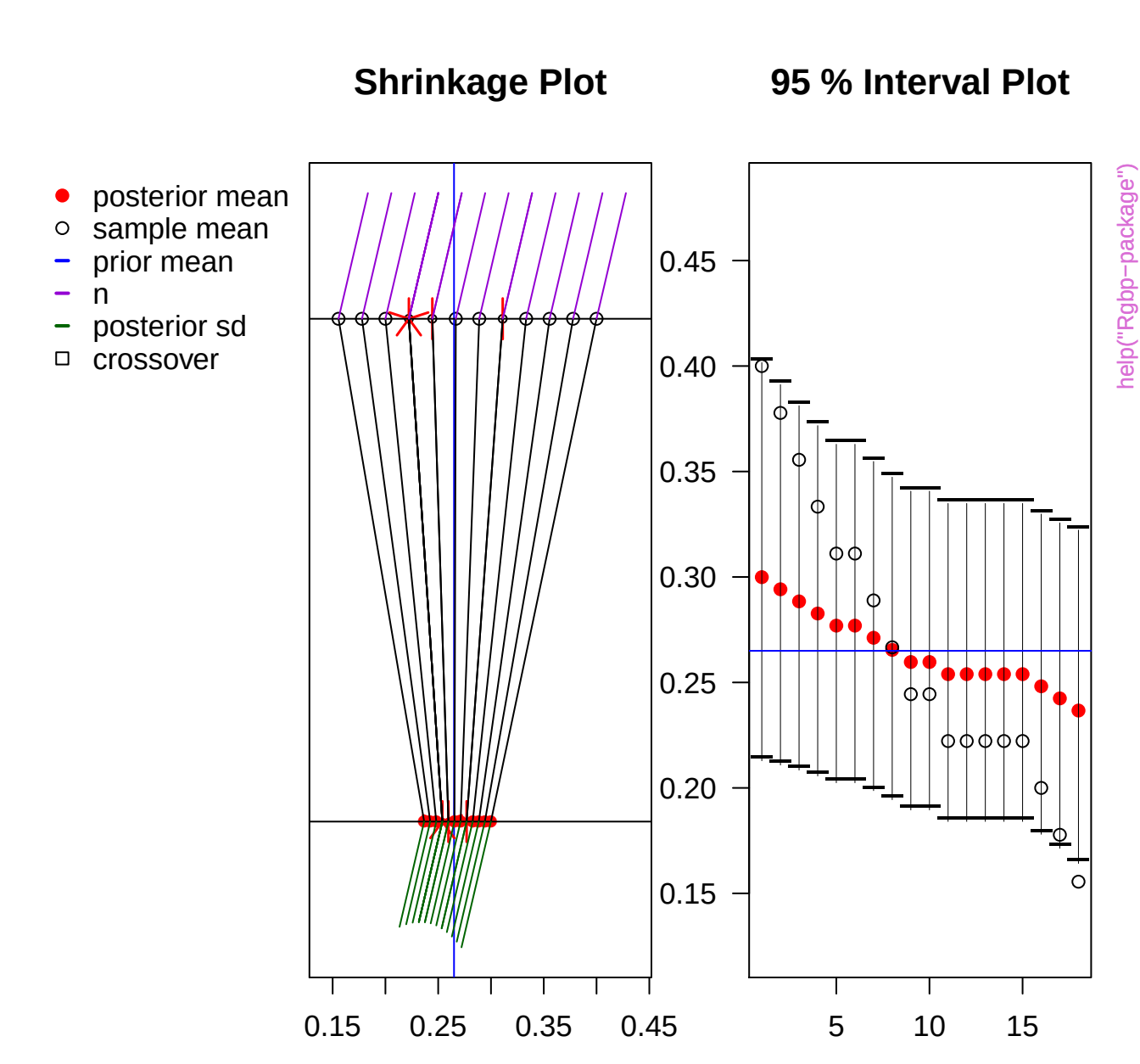

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.1
0.2
0.3
0.4
0.5
5
10
15
help("Rgbp-package")
its sorted by the increasing order o

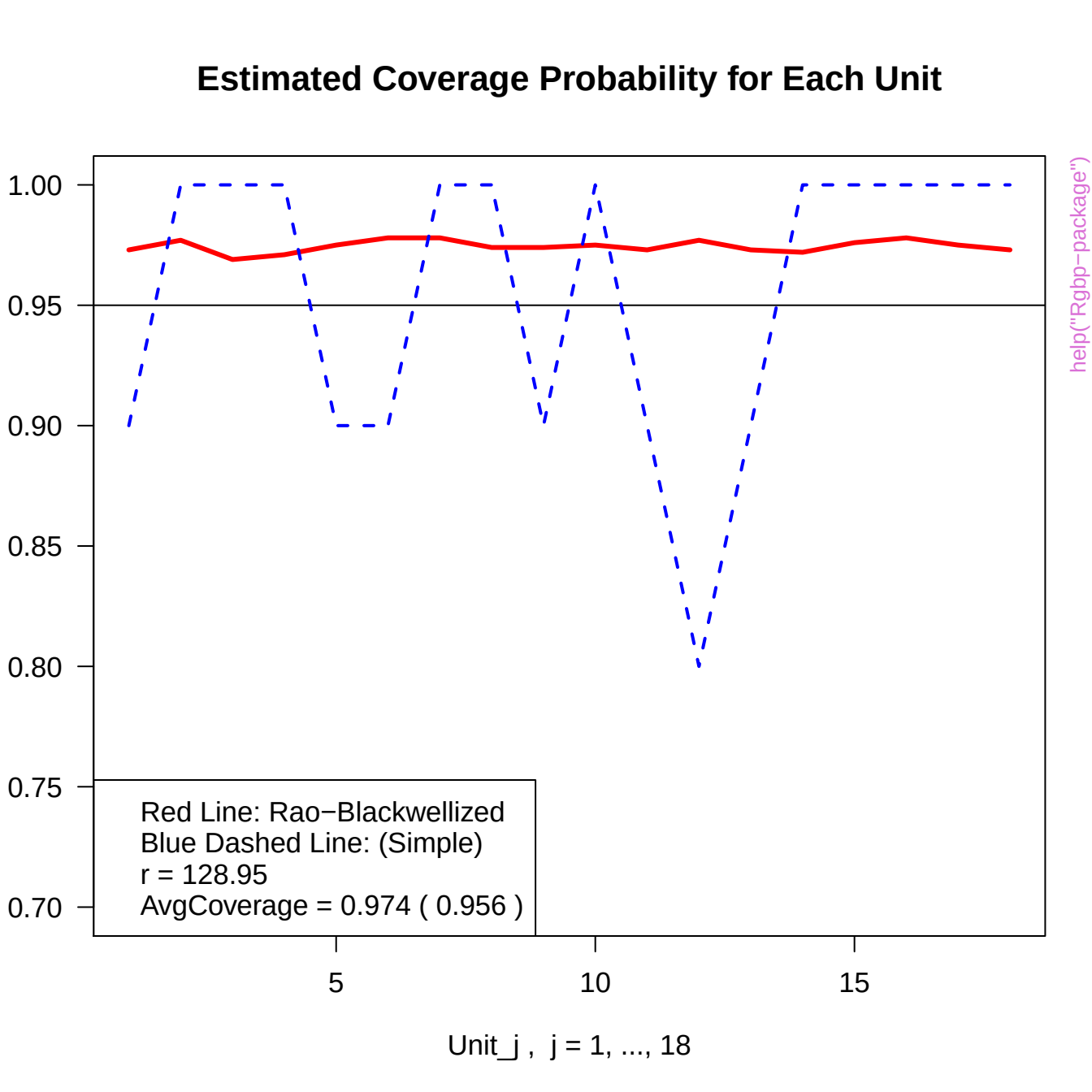
Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.1
0.2
0.3
0.4
0.5
5
10
15
help("Rgbp−package")
ces (Groups) by the order of data i

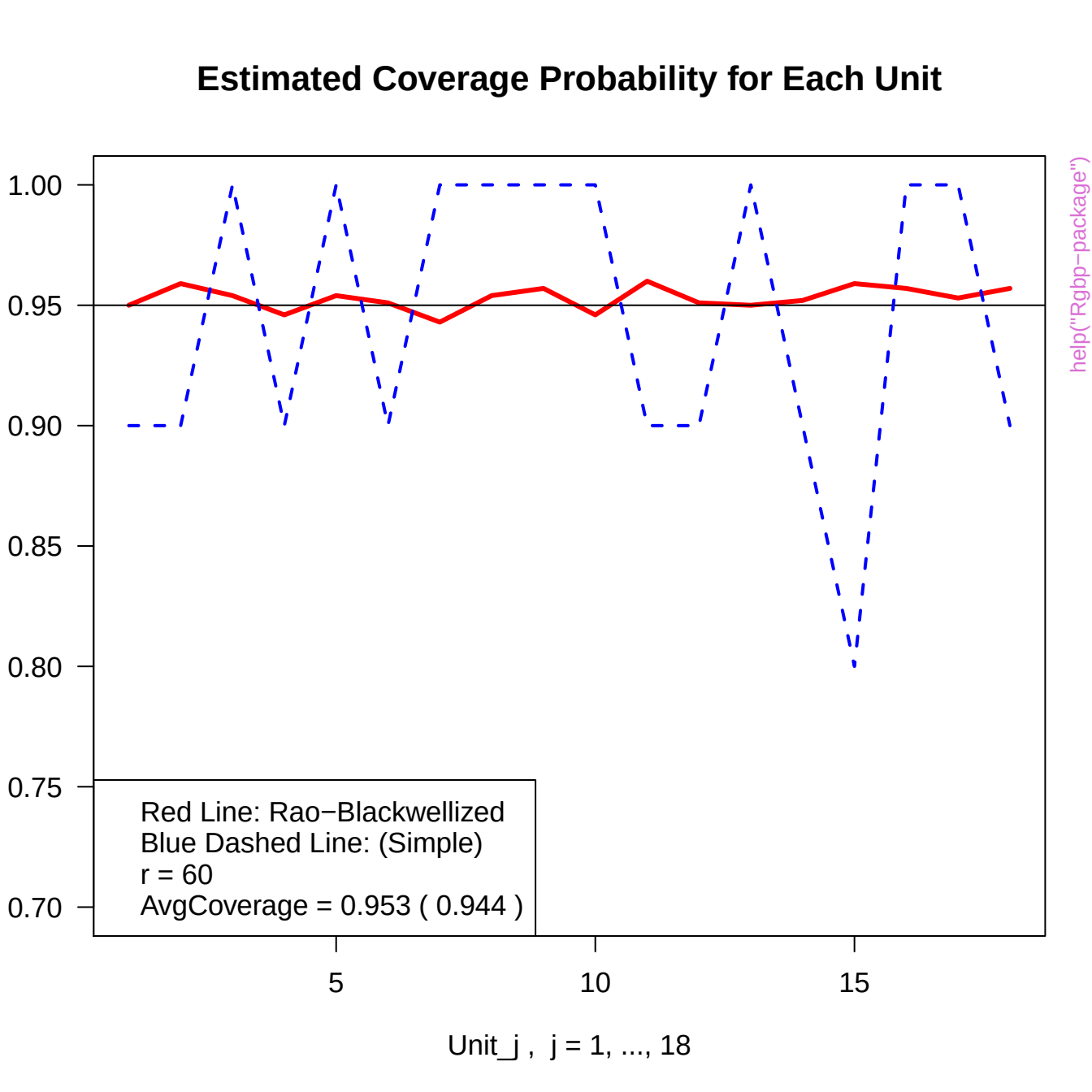

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 155.87
beta 0 = −1.455
beta 1 = 0.284
AvgCoverage = 0.965 (0.978)
help("Rgbp−package")

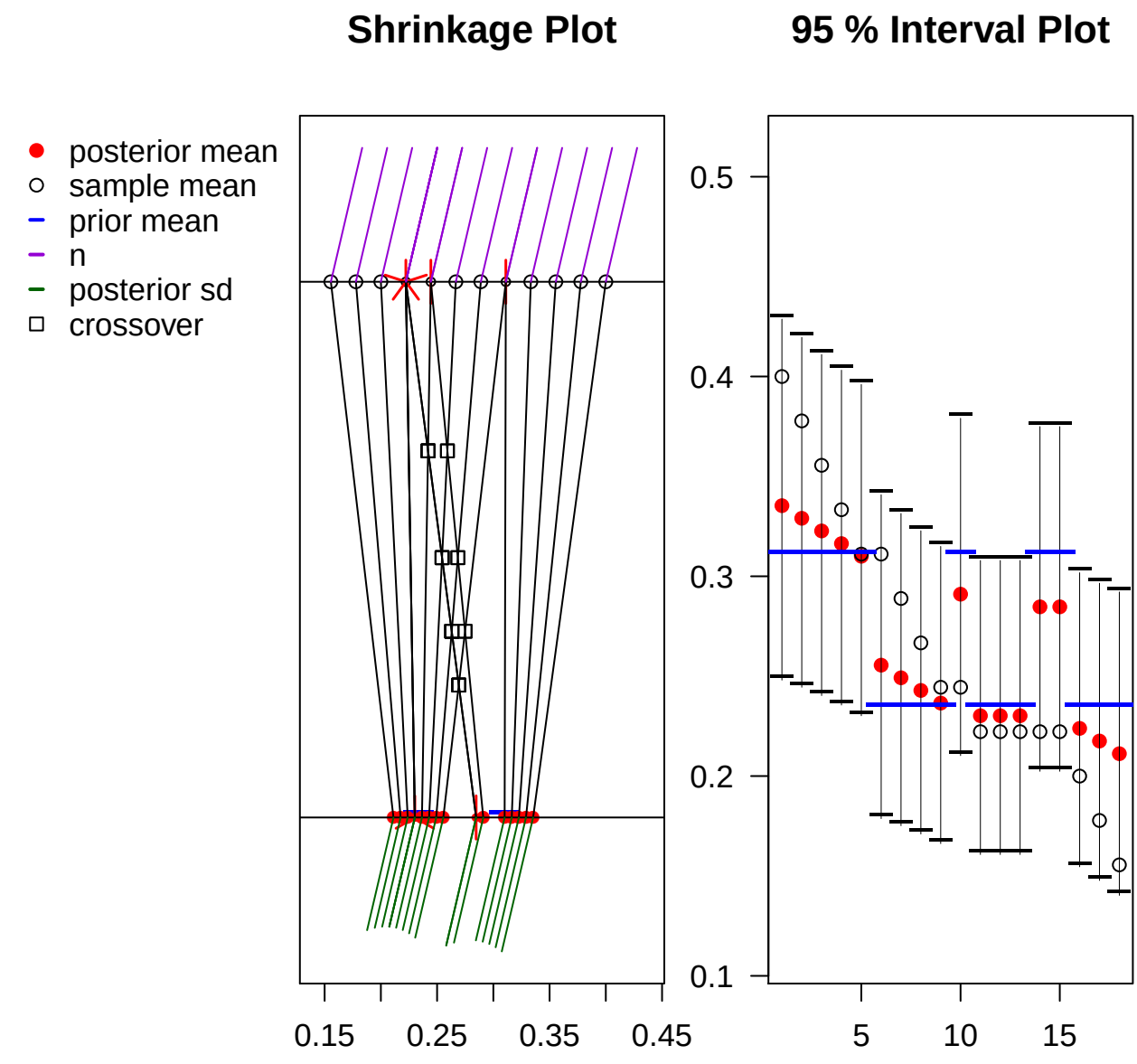

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −2
beta 1 = 0
AvgCoverage = 0.959 (0.917)
help("Rgbp−package")


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("Rgbp−package")
its sorted by the increasing order o


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("Rgbp−package")
ces (Groups) by the order of data i

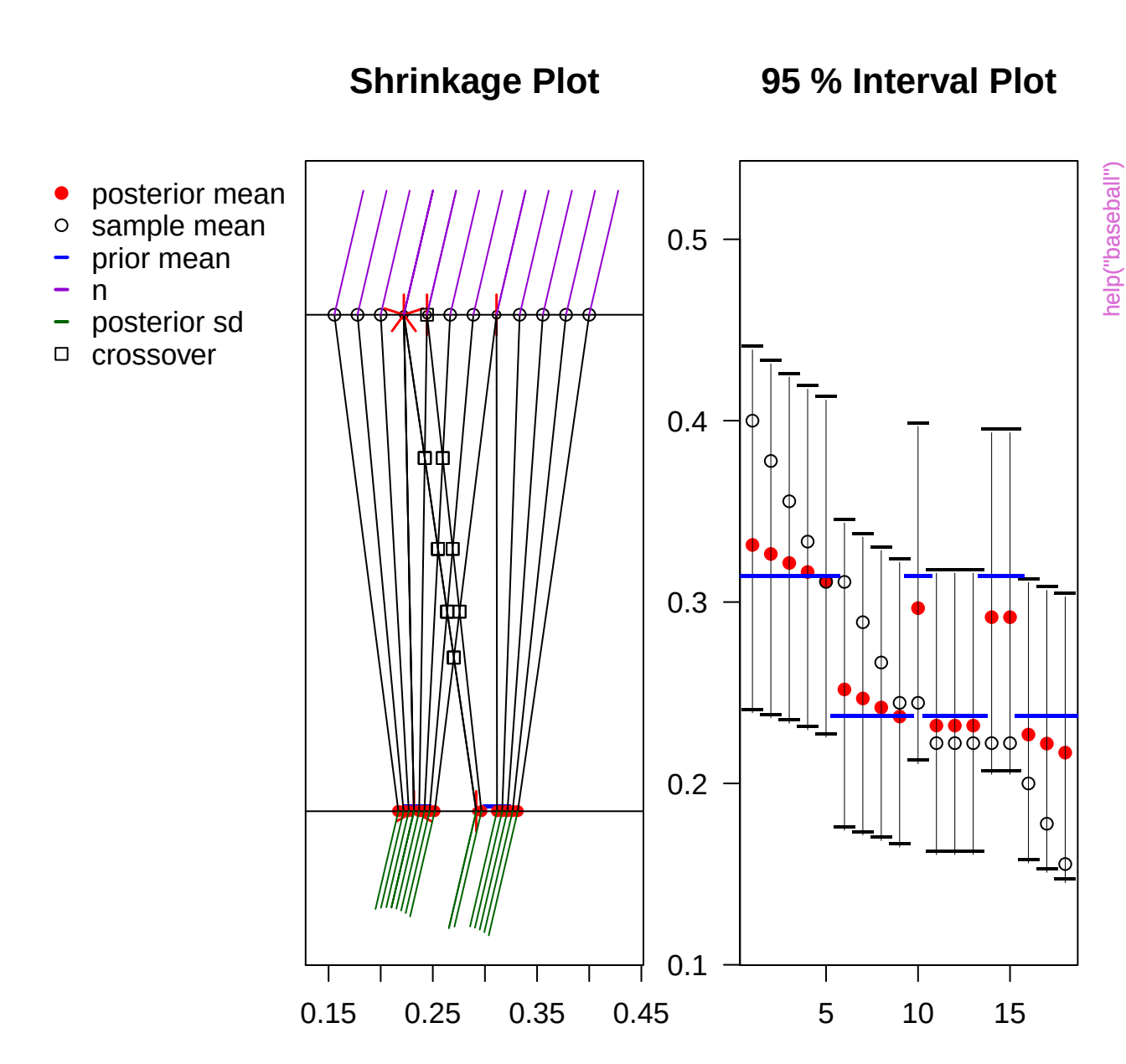

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 128.95
AvgCoverage = 0.974 (0.956)
help("Rgbp−package")

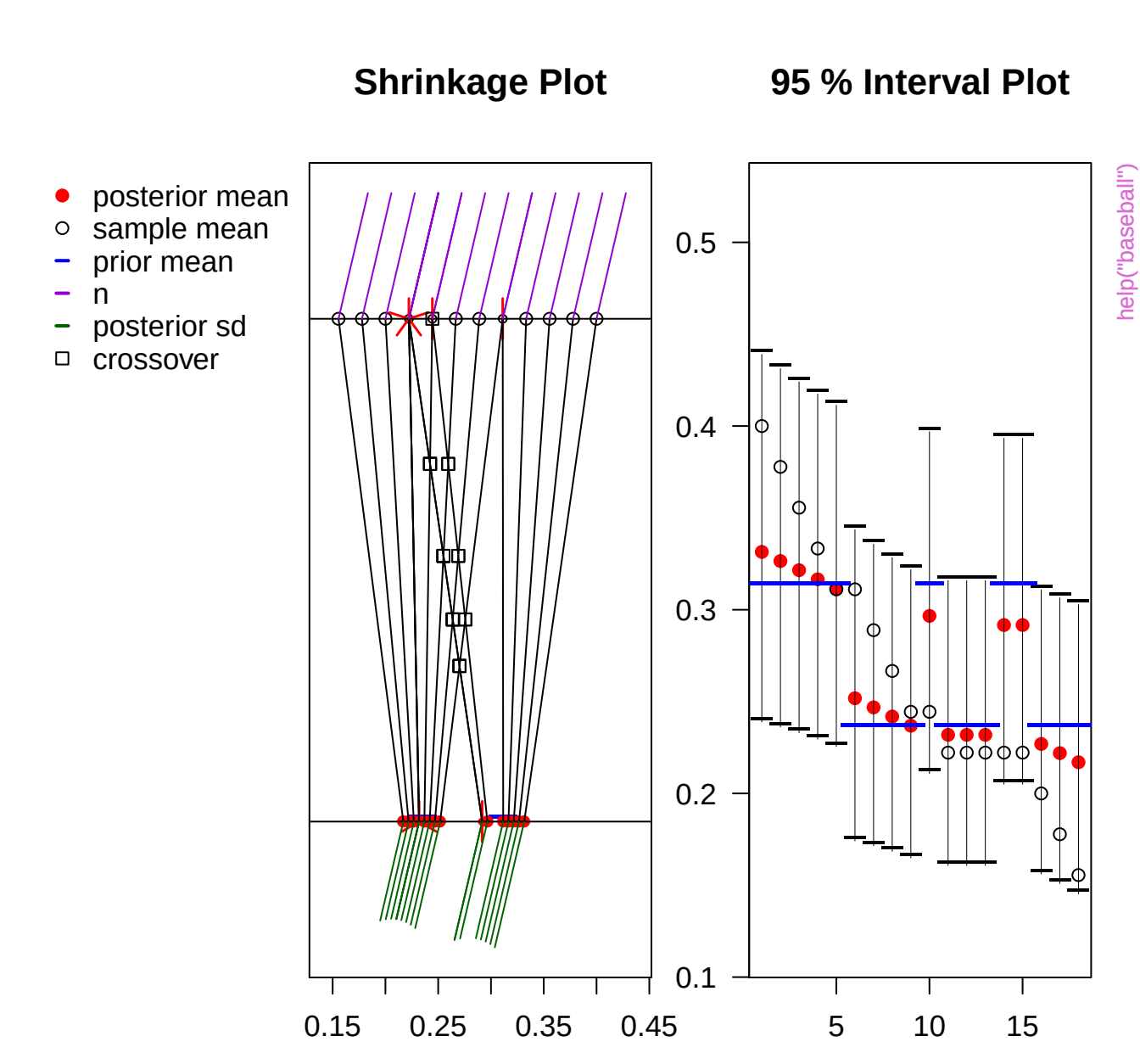

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
AvgCoverage = 0.953 (0.944)
help("Rgbp−package")

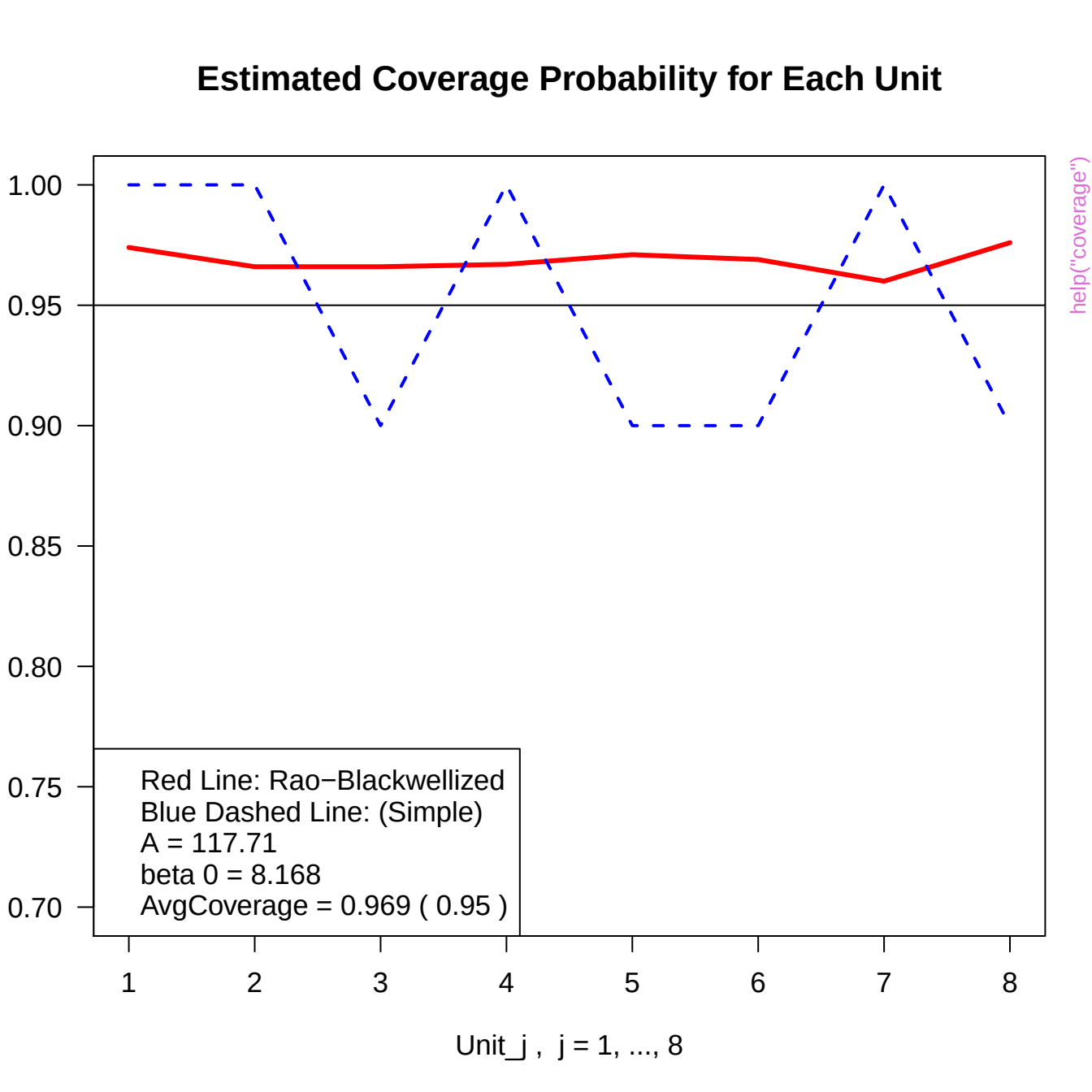


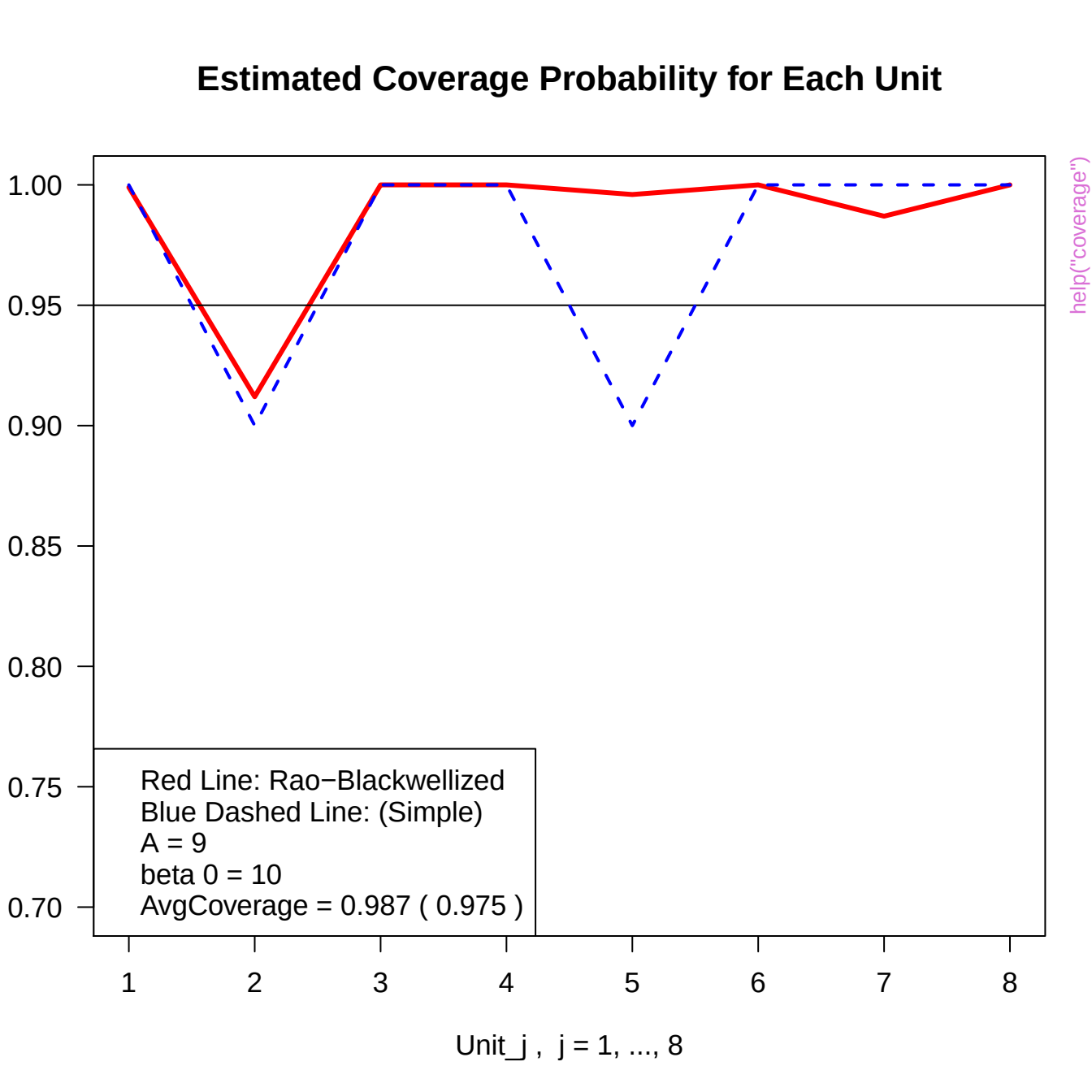
its sorted by the increasing order o

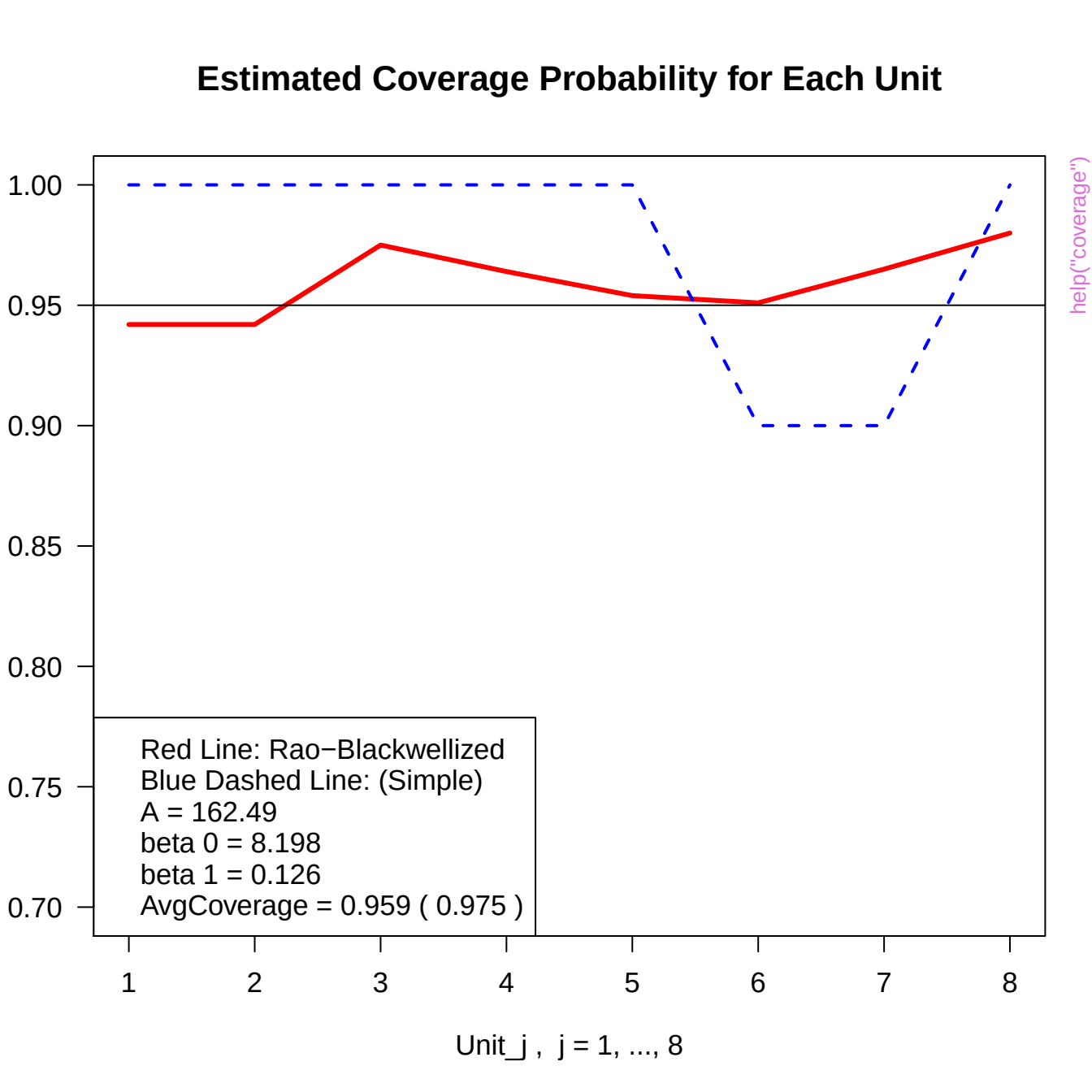
Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.1
0.2
0.3
0.4
0.5
5
10
15
help("baseball")
ces (Groups) by the order of data i

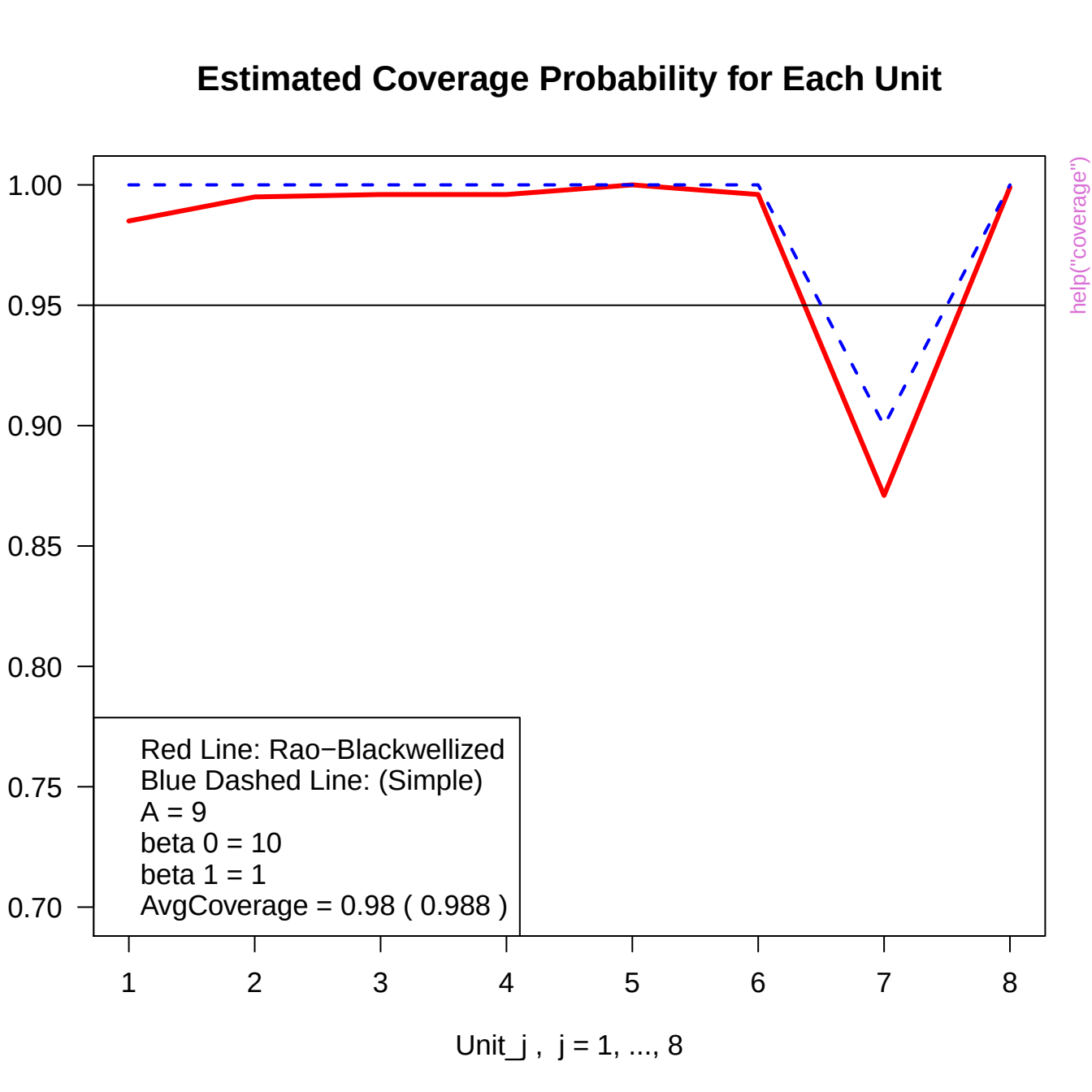

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.5
0.4
0.3
0.2
0.1
0.15
0.25
0.35
0.45
5
10
15
help("baseball")
its sorted by the increasing order o

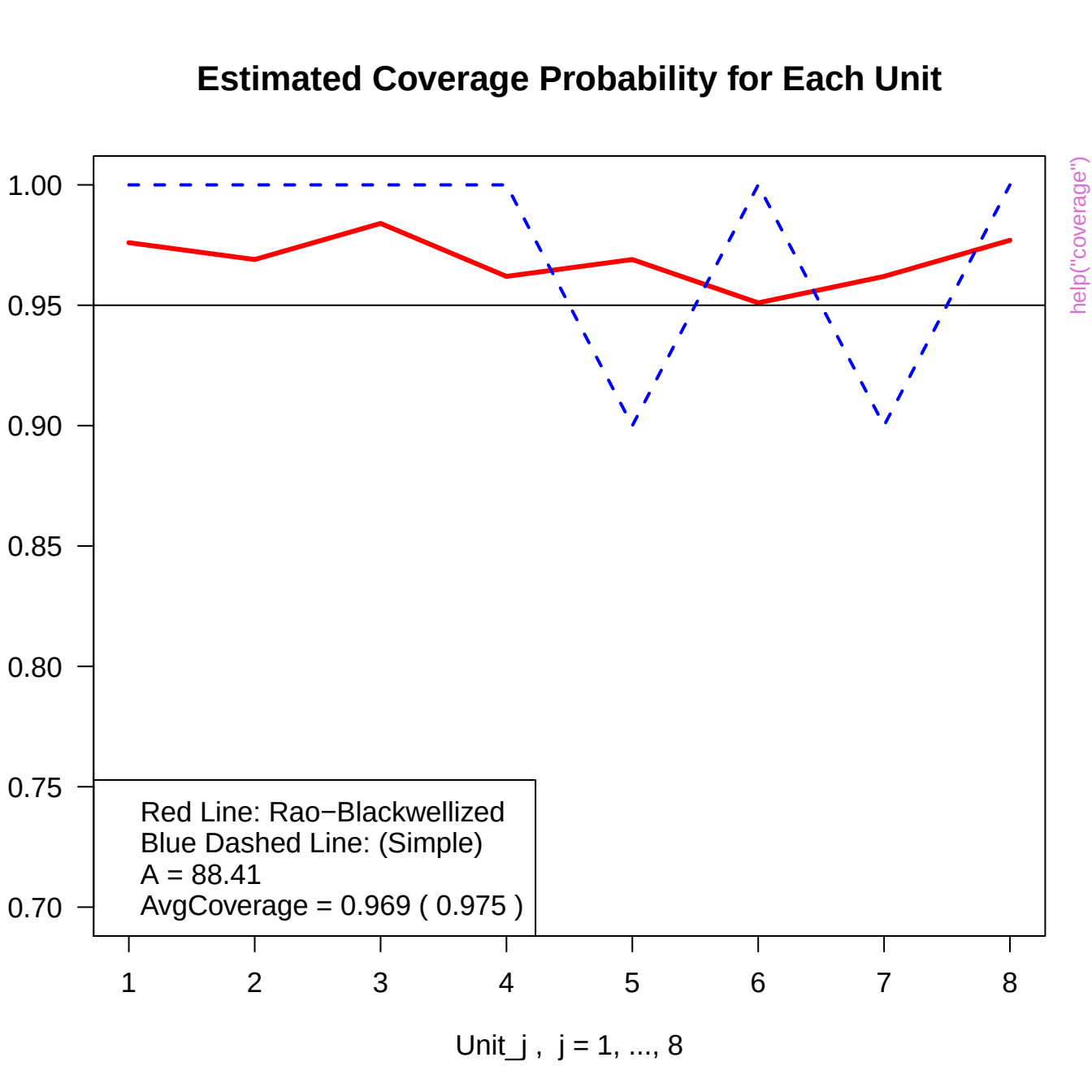

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.5
0.4
0.3
0.2
0.1
0.15
0.25
0.35
0.45
5
10
15
help("baseball")
ces (Groups) by the order of data i

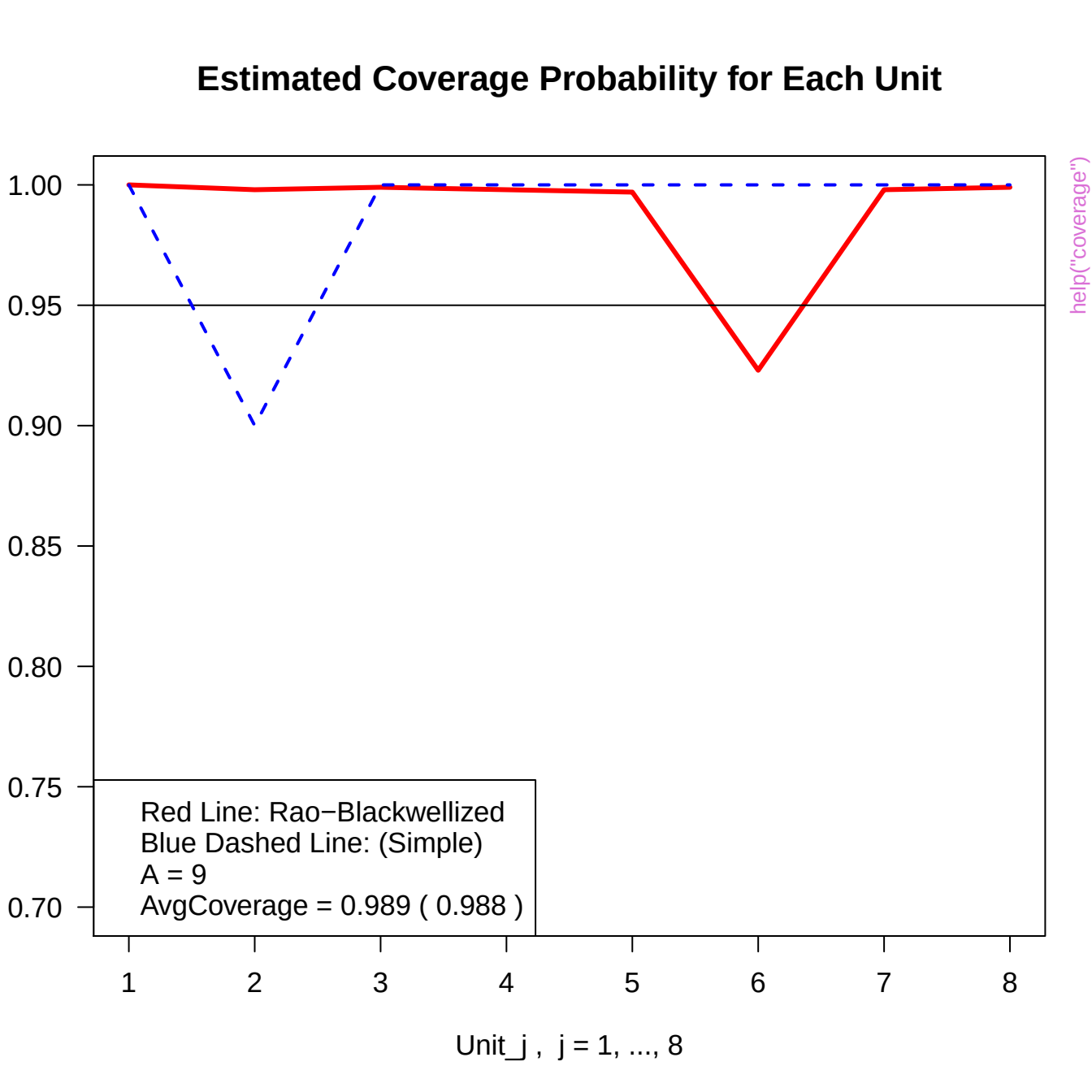

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 117.71
beta 0 = 8.168
AvgCoverage = 0.969 (0.95)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

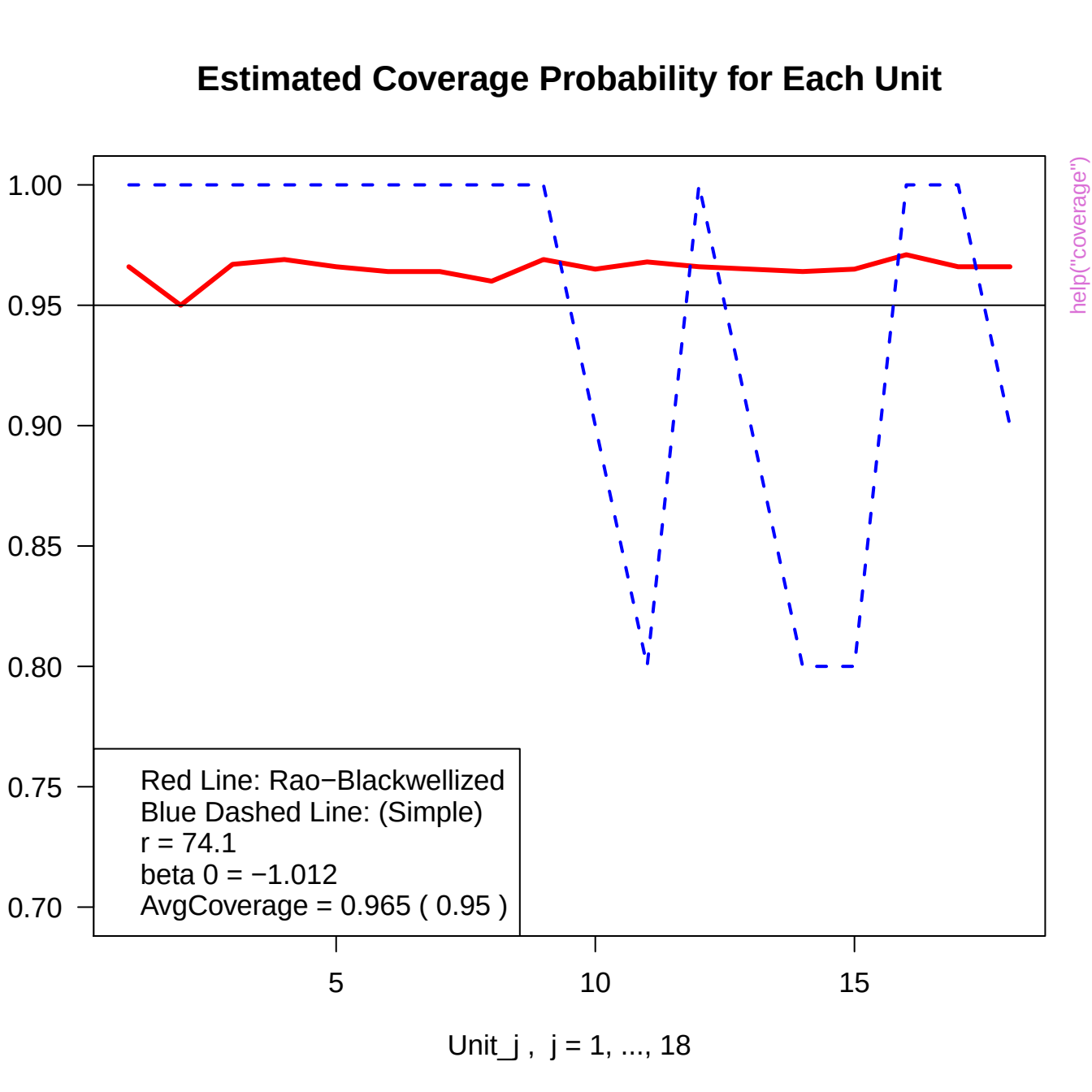

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
beta 0 = 10
AvgCoverage = 0.987 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

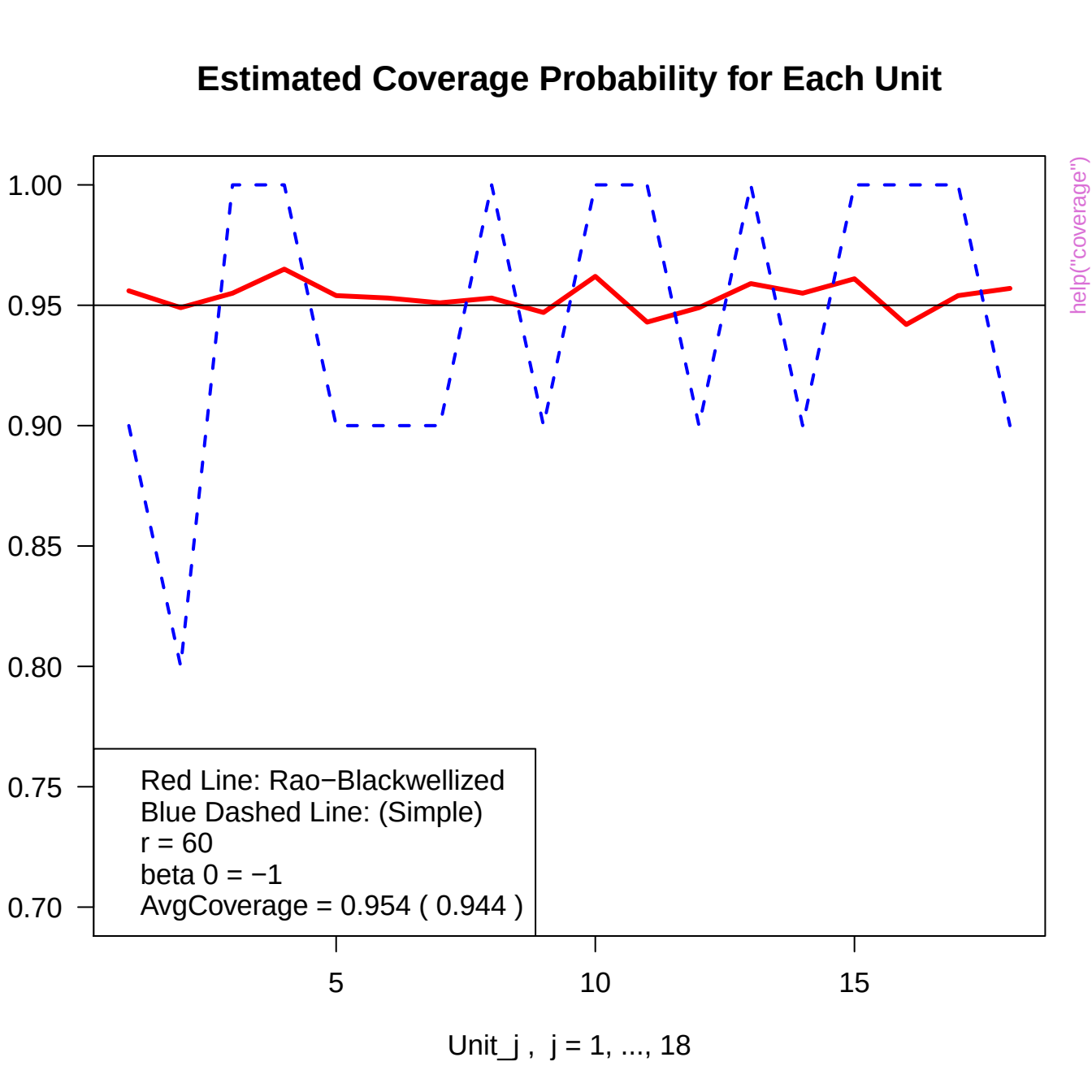

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 162.49
beta 0 = 8.198
beta 1 = 0.126
AvgCoverage = 0.959 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

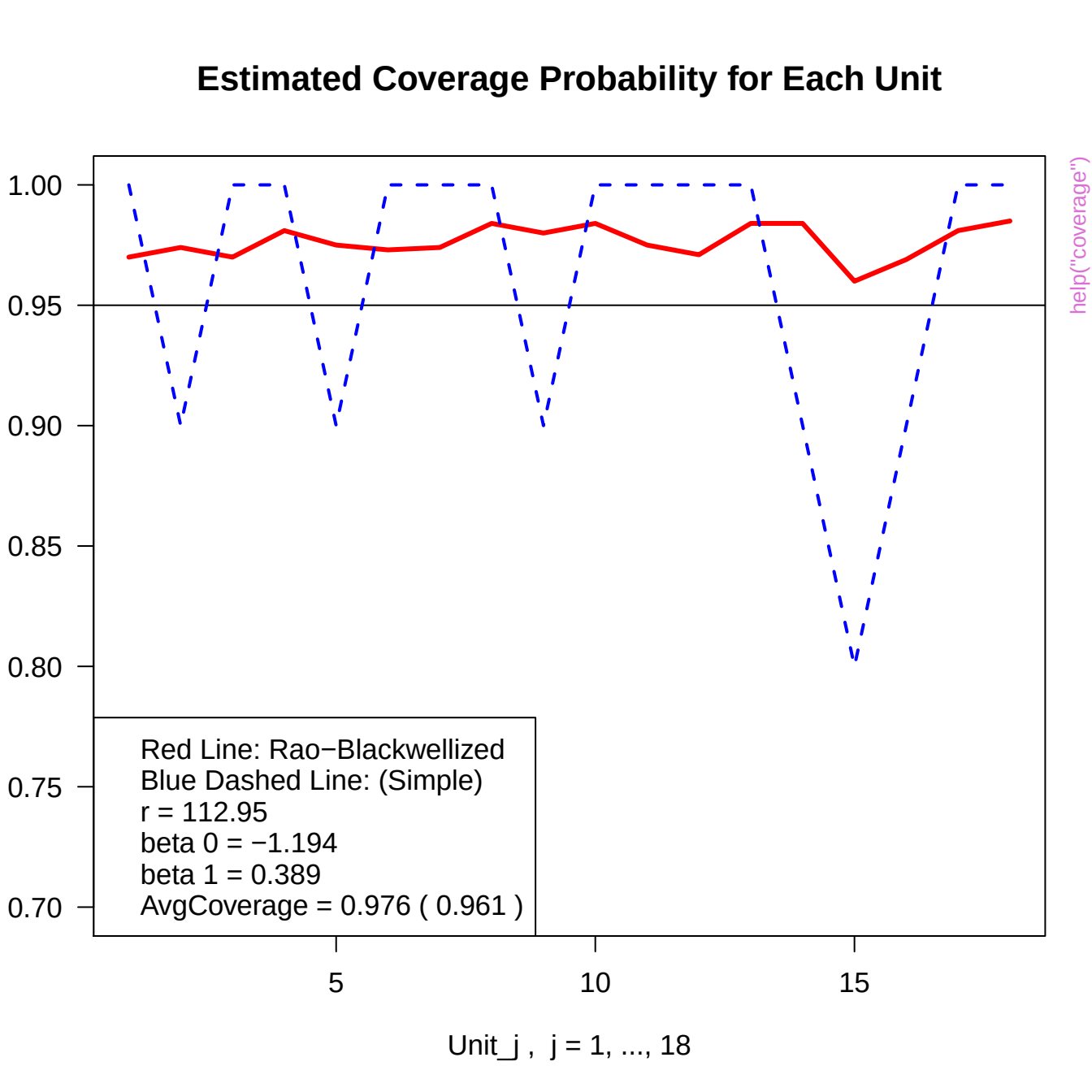

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
beta 0 = 10
beta 1 = 1
AvgCoverage = 0.98 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

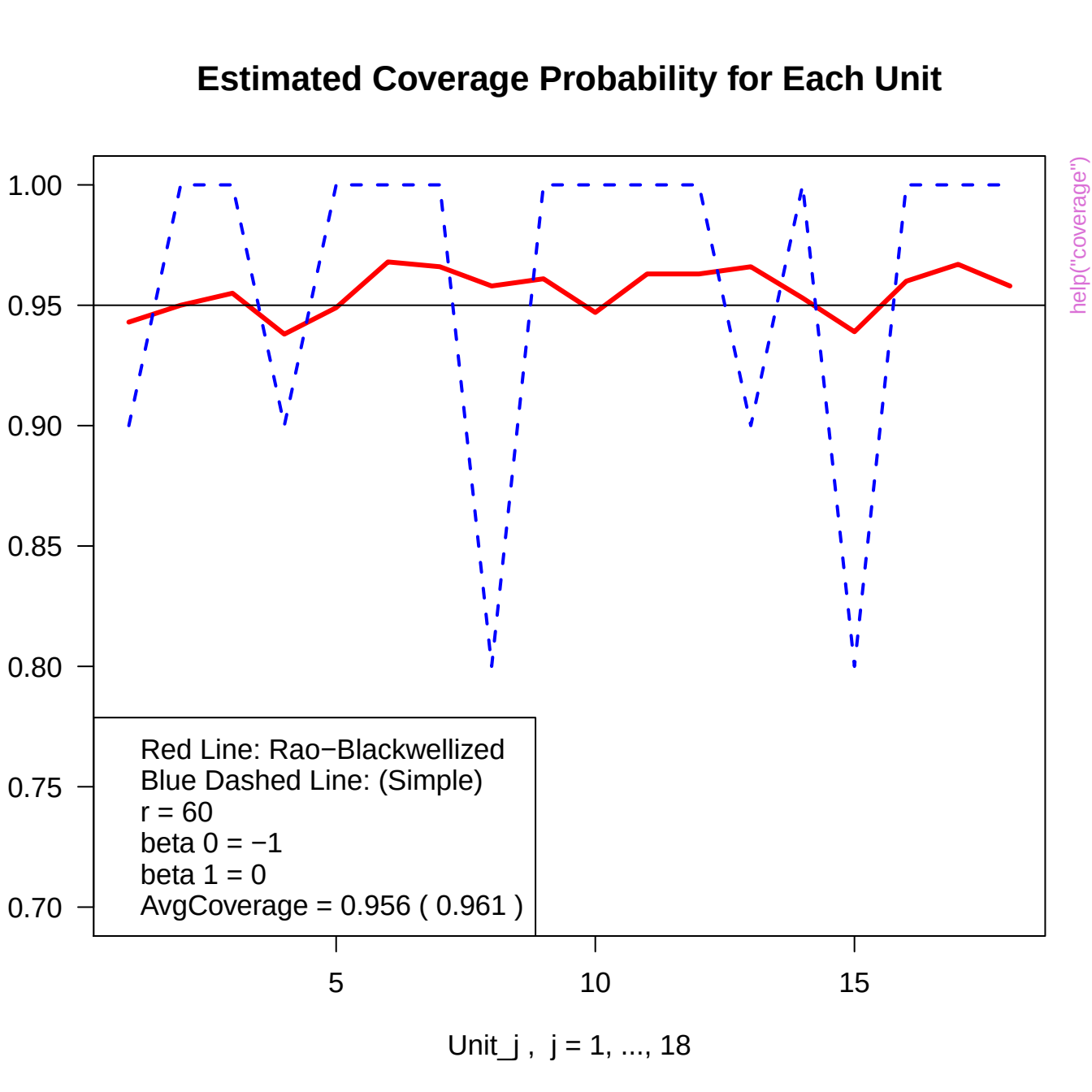

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 88.41
AvgCoverage = 0.969 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

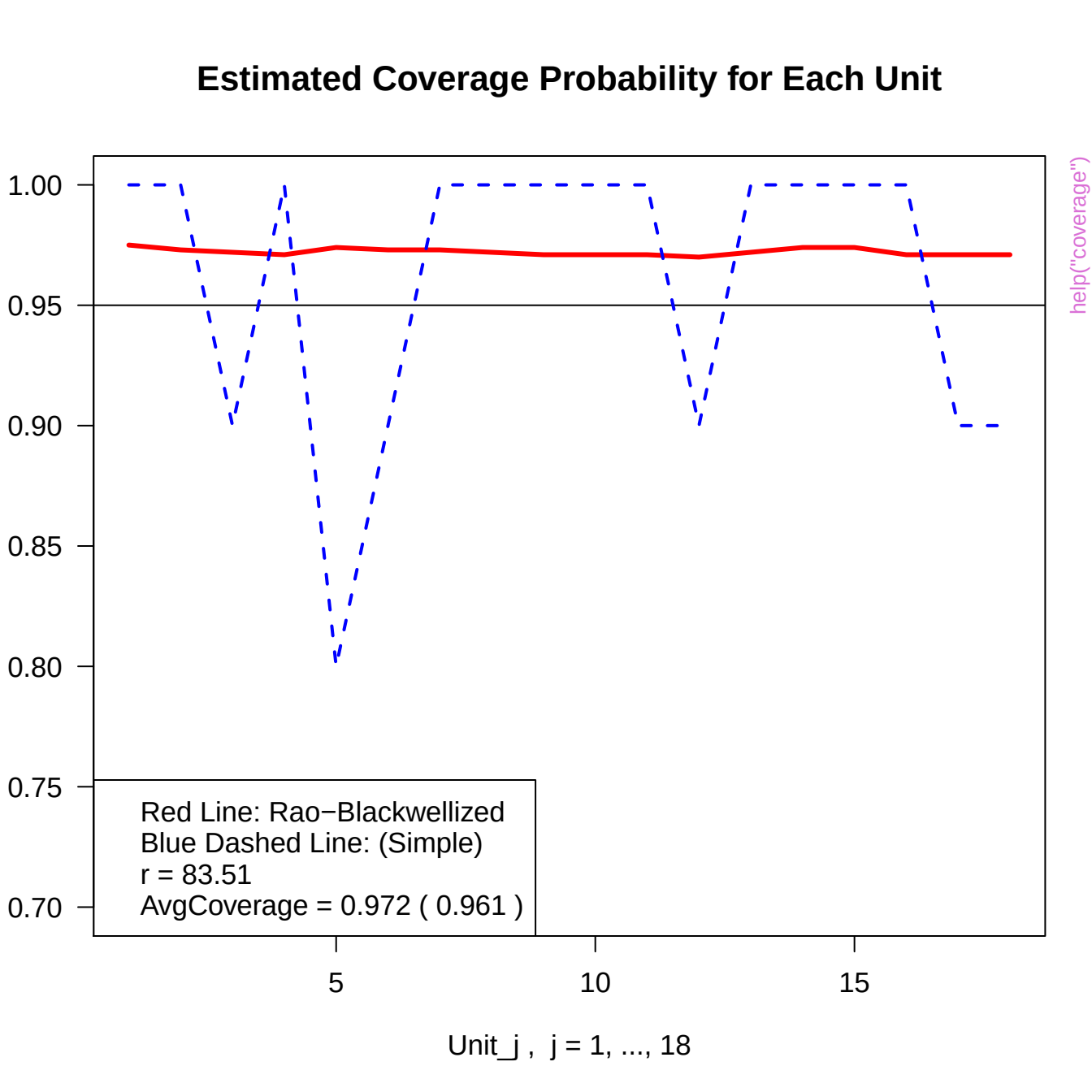

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
AvgCoverage = 0.989 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

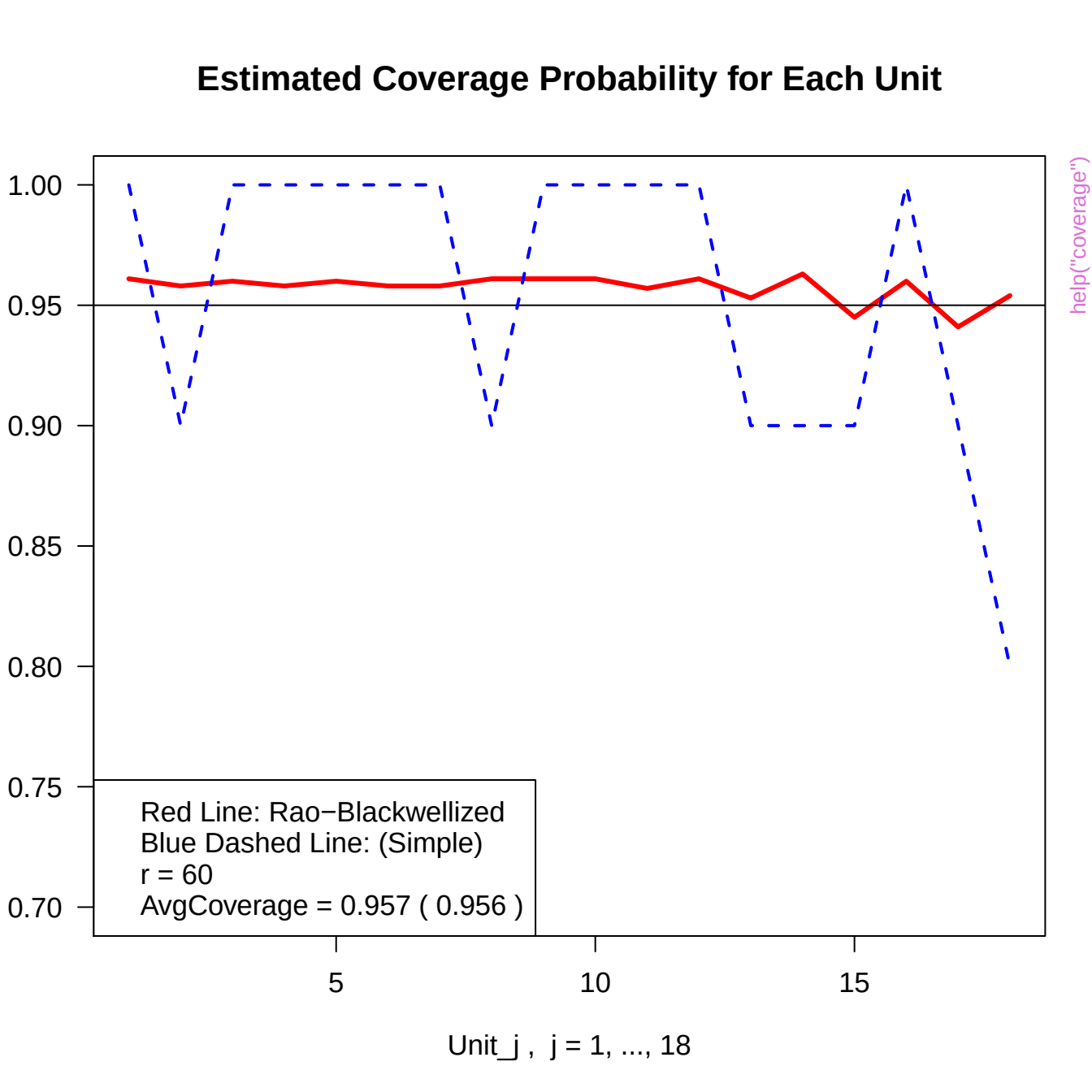

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 74.1
beta 0 = −1.012
AvgCoverage = 0.965 (0.95)
help("coverage")

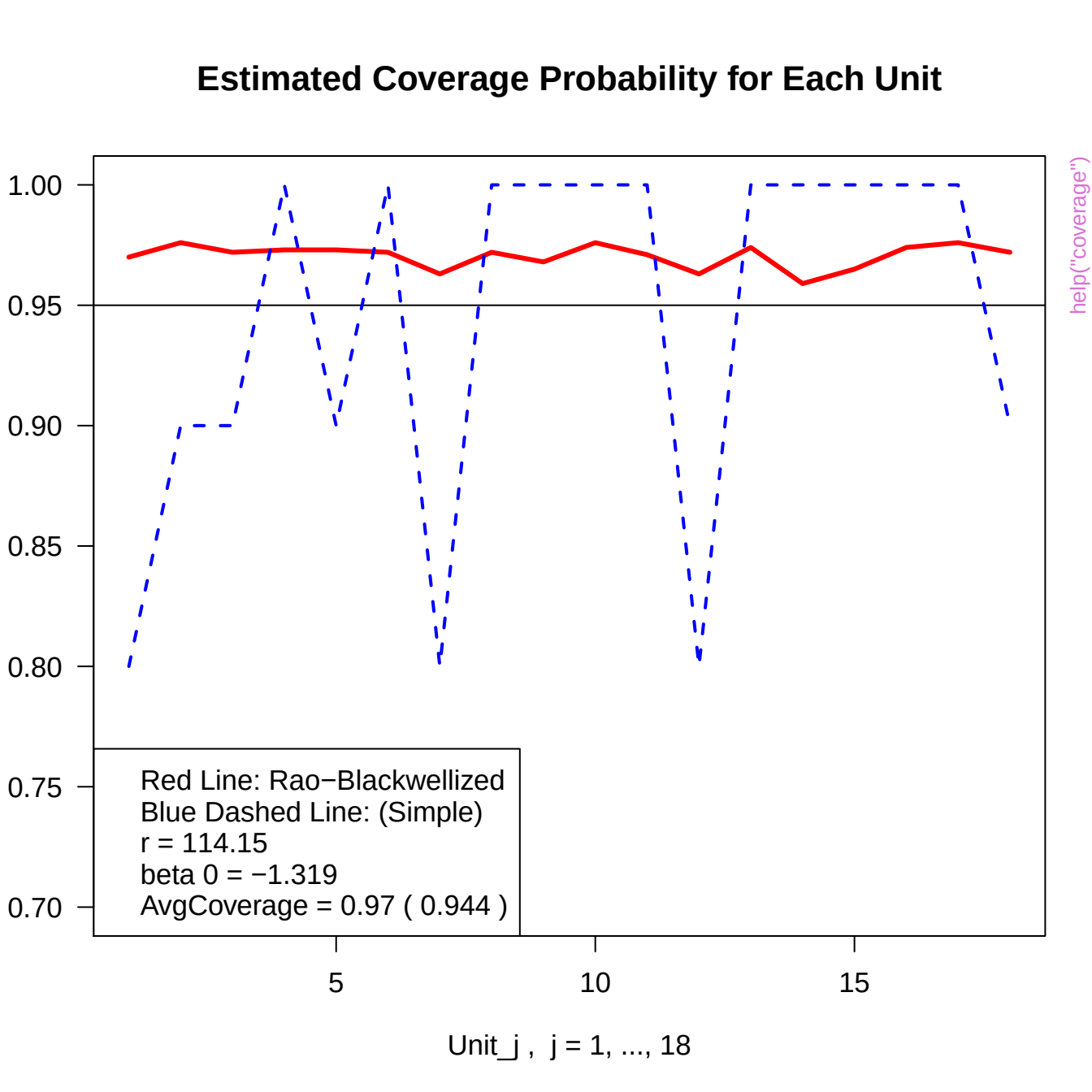

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −1
AvgCoverage = 0.954 (0.944)
help("coverage")

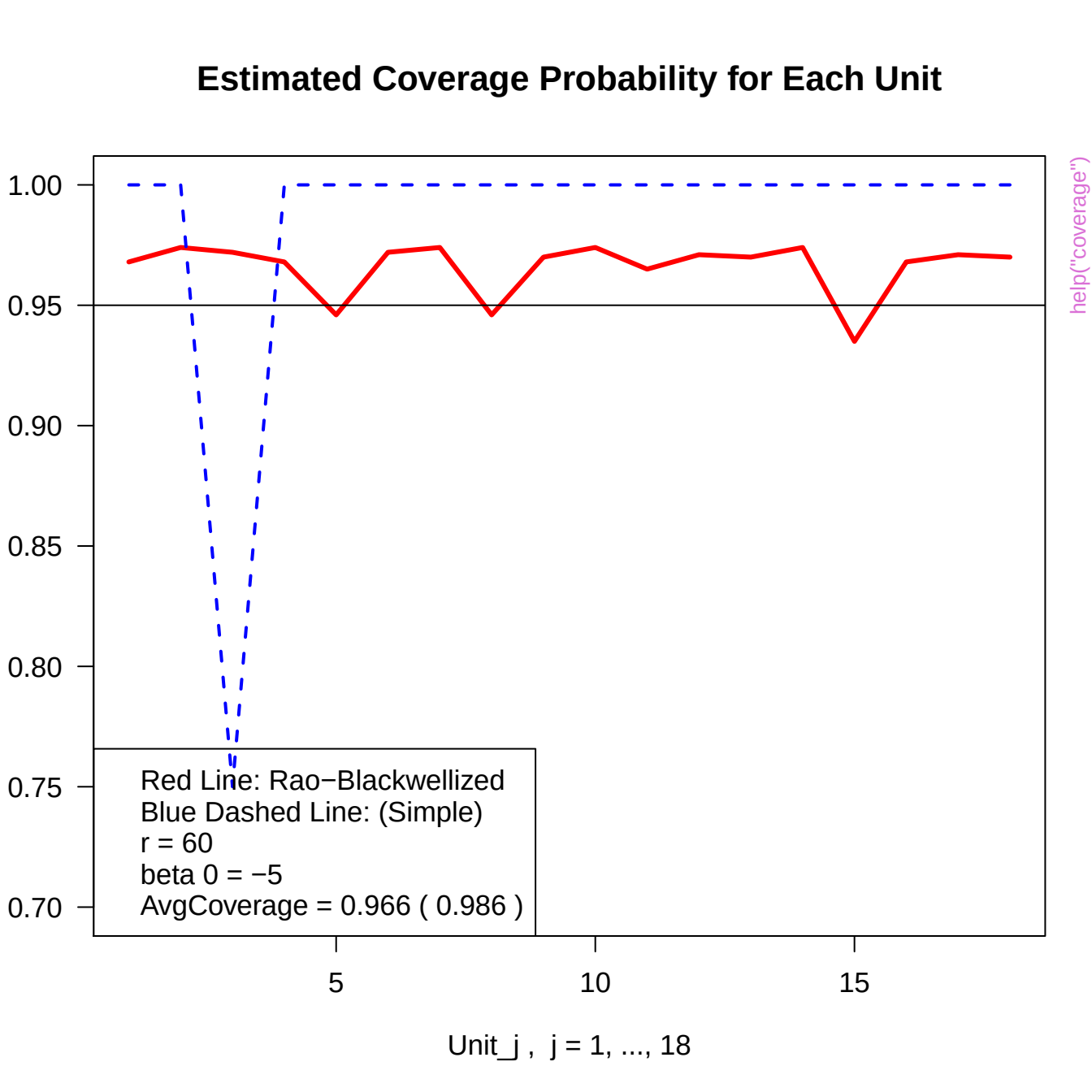

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 112.95
beta 0 = −1.194
beta 1 = 0.389
AvgCoverage = 0.976 (0.961)
5
10
15
Unit_j , j = 1, ..., 18
help("coverage")

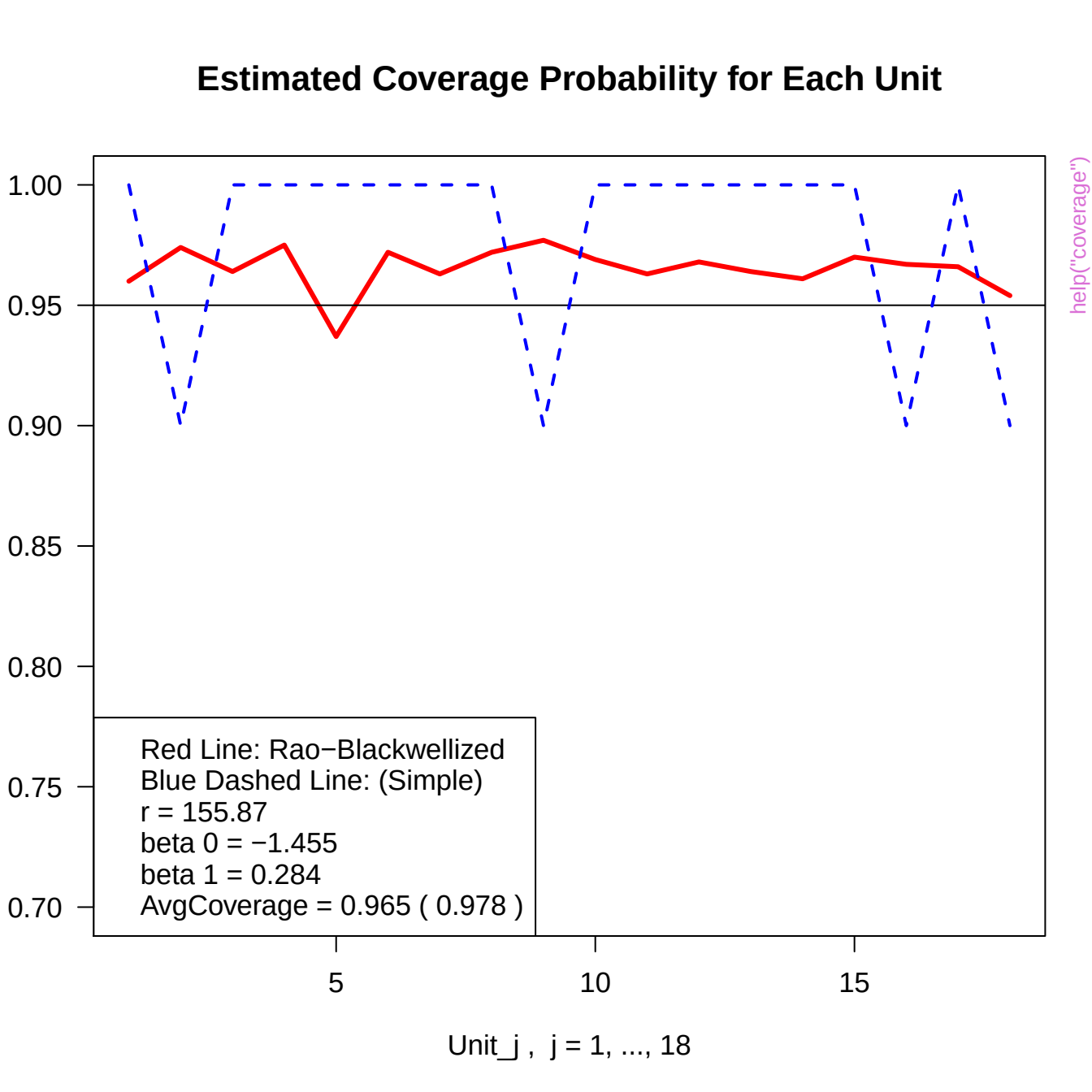

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −1
beta 1 = 0
AvgCoverage = 0.956 (0.961)
5
10
15
Unit_j , j = 1, ..., 18
help("coverage")

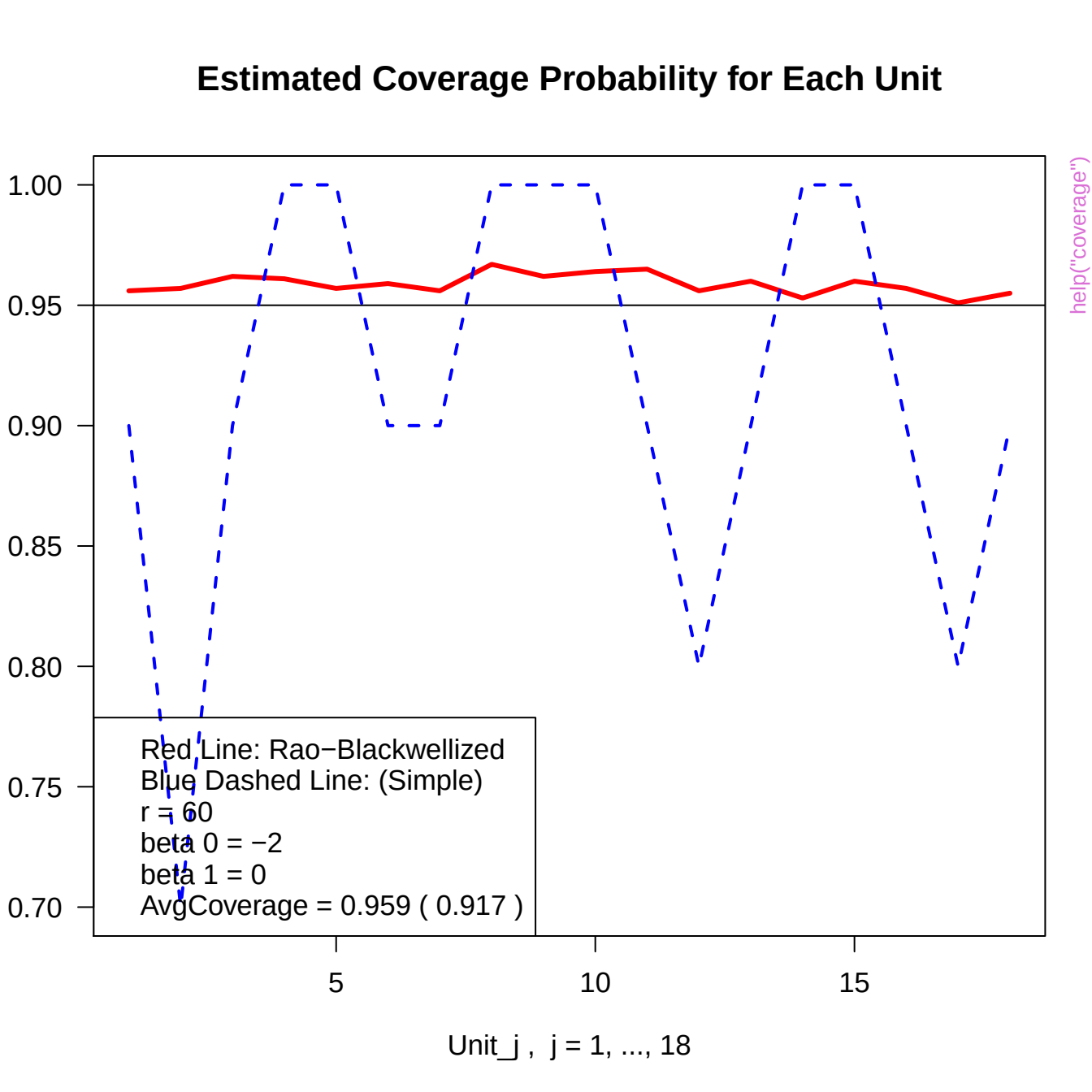

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 83.51
AvgCoverage = 0.972 (0.961)
help("coverage")

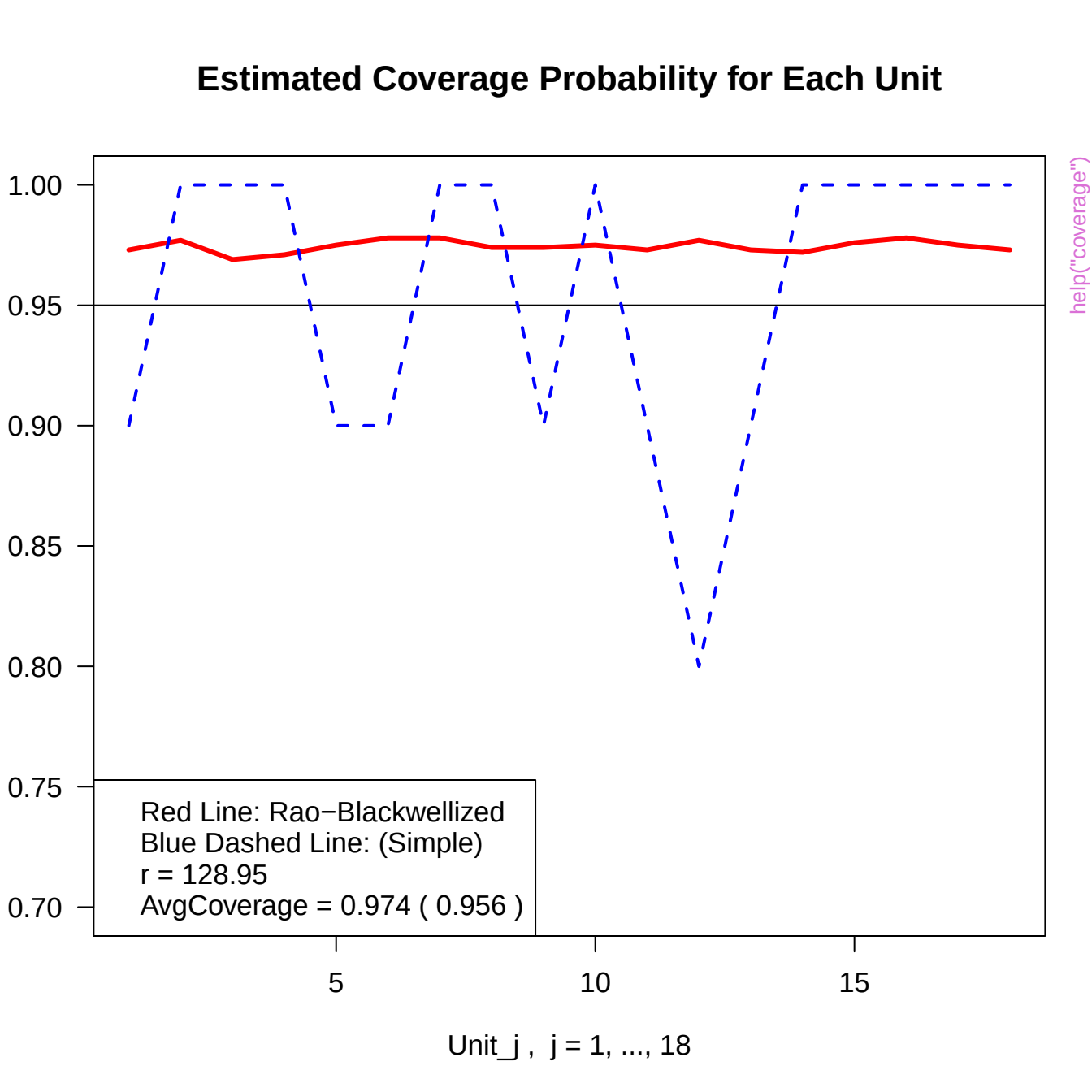

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
AvgCoverage = 0.957 (0.956)
5
10
15
Unit_j , j = 1, ..., 18
help("coverage")

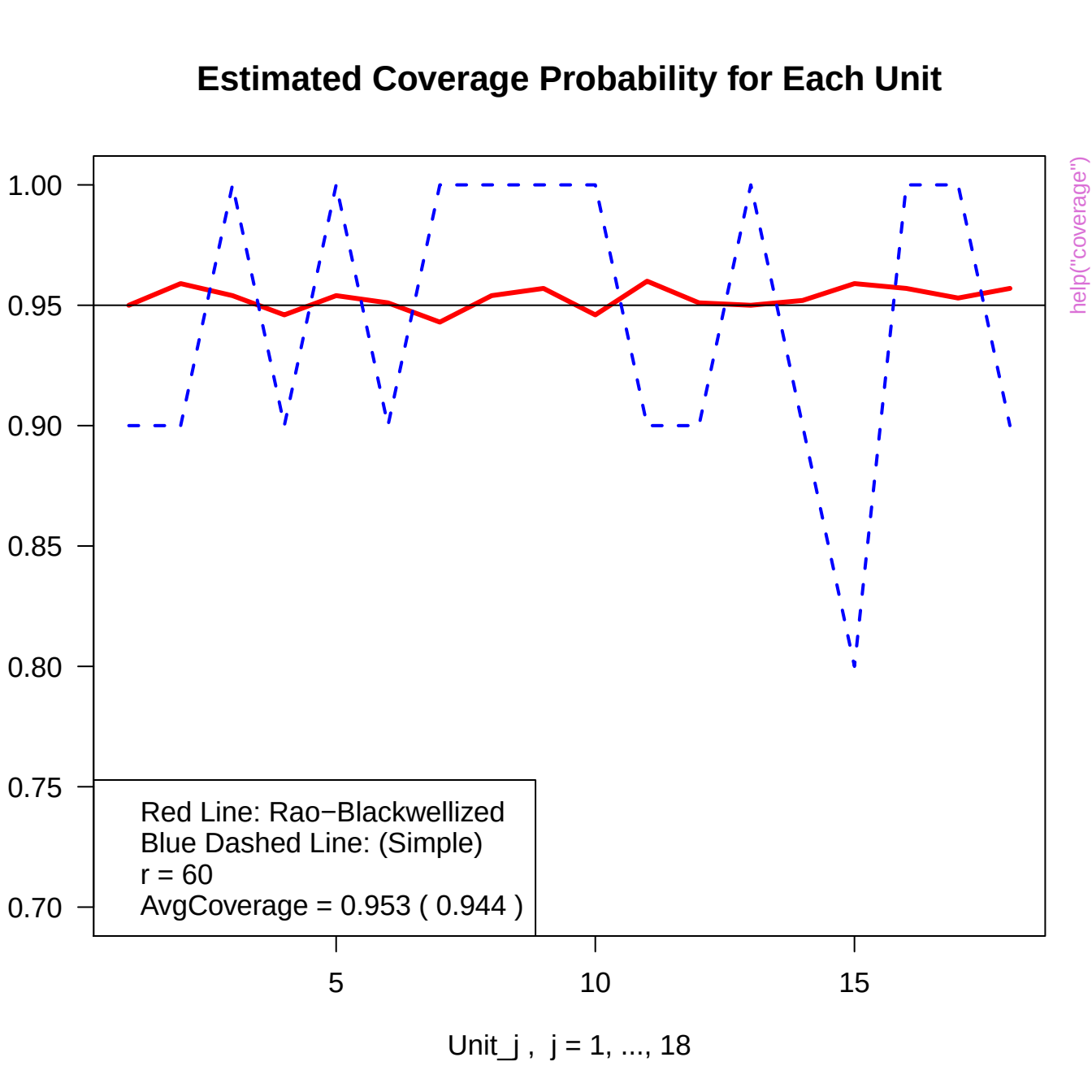

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 114.15
beta 0 = −1.319
AvgCoverage = 0.97 (0.944)
help("coverage")

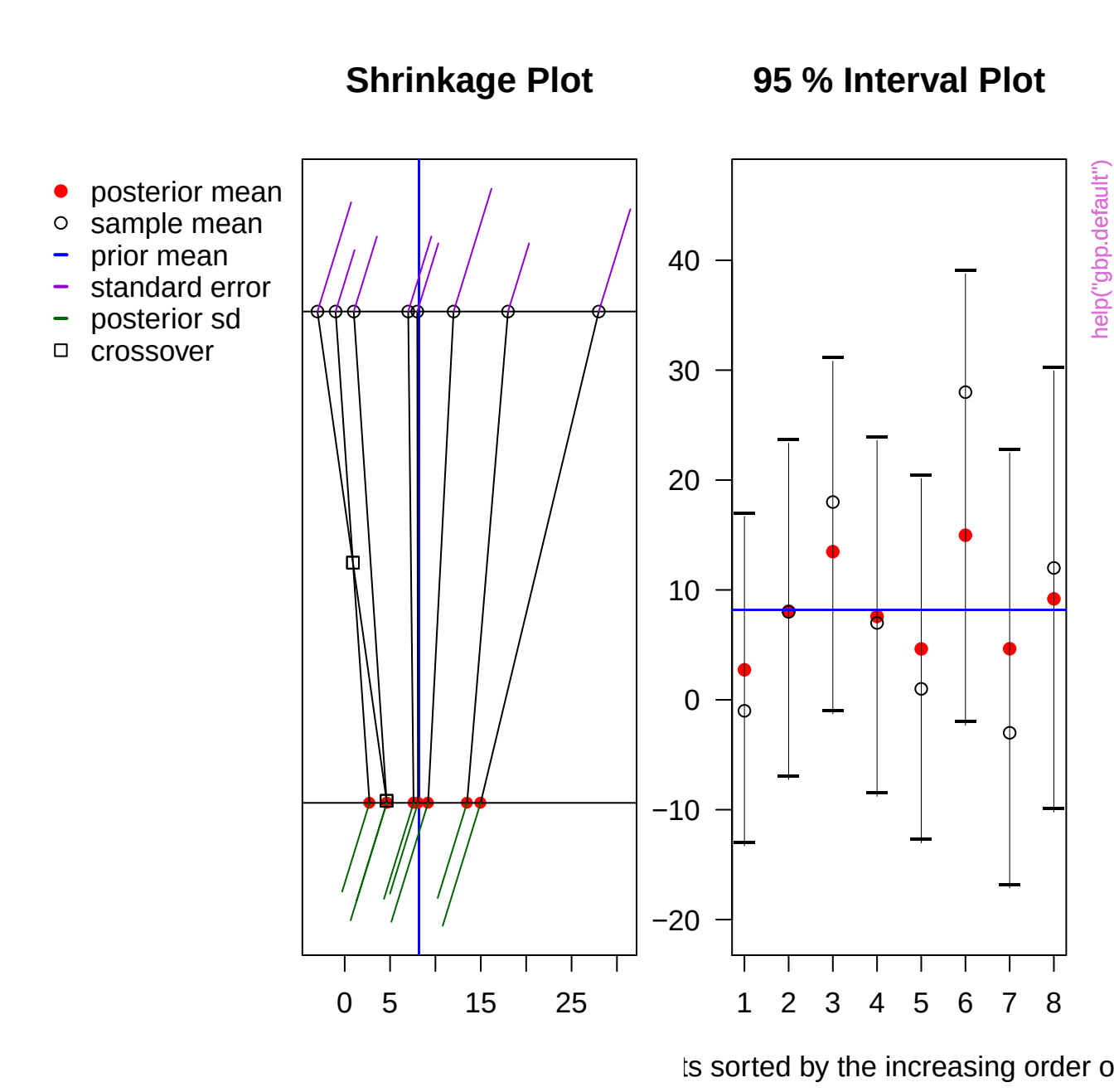

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −5
AvgCoverage = 0.966 (0.986)
5
10
15
Unit_j , j = 1, ..., 18
help("coverage")

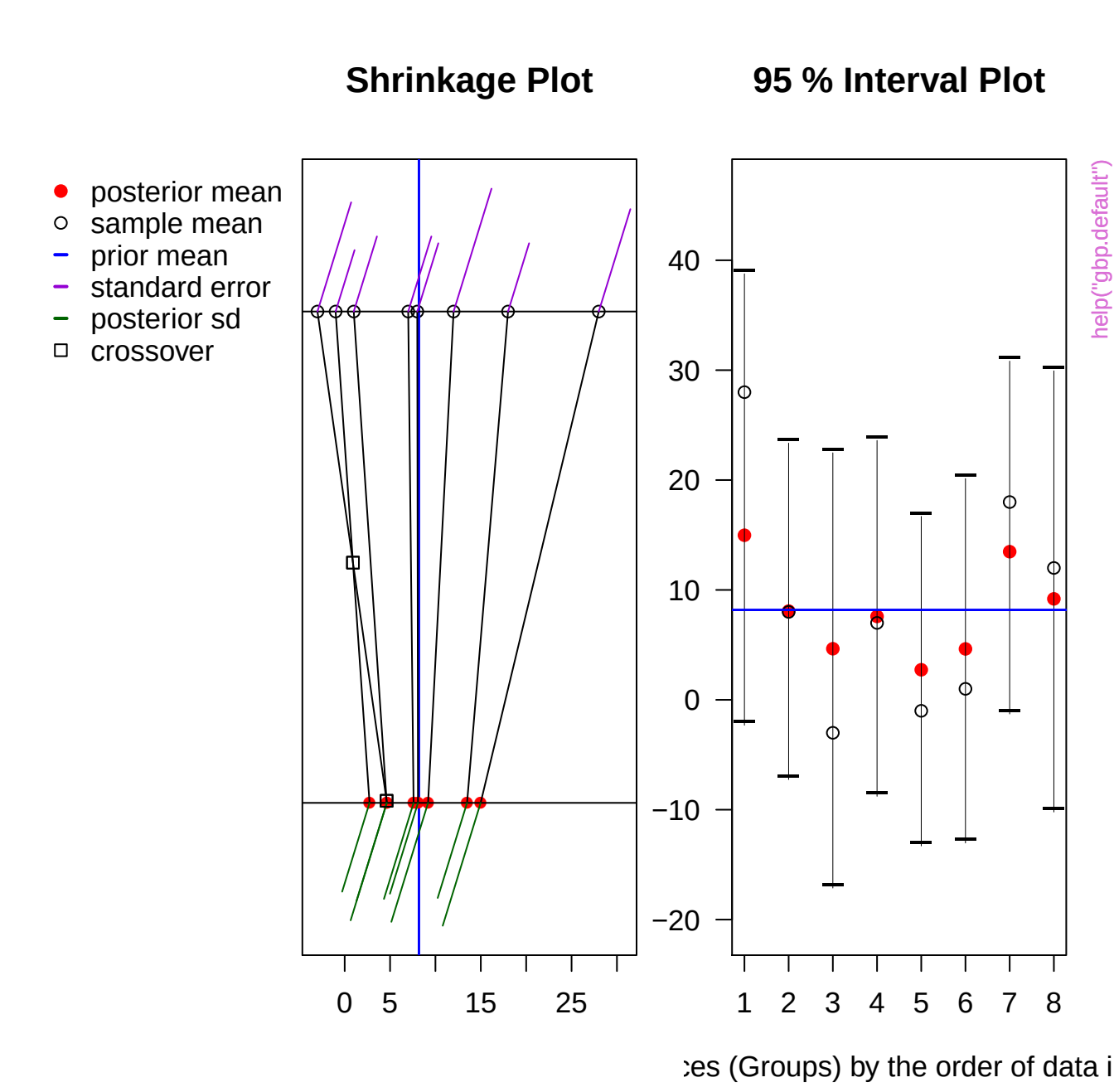

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 155.87
beta 0 = −1.455
beta 1 = 0.284
AvgCoverage = 0.965 (0.978)
5
10
15
Unit_j , j = 1, ..., 18
help("coverage")

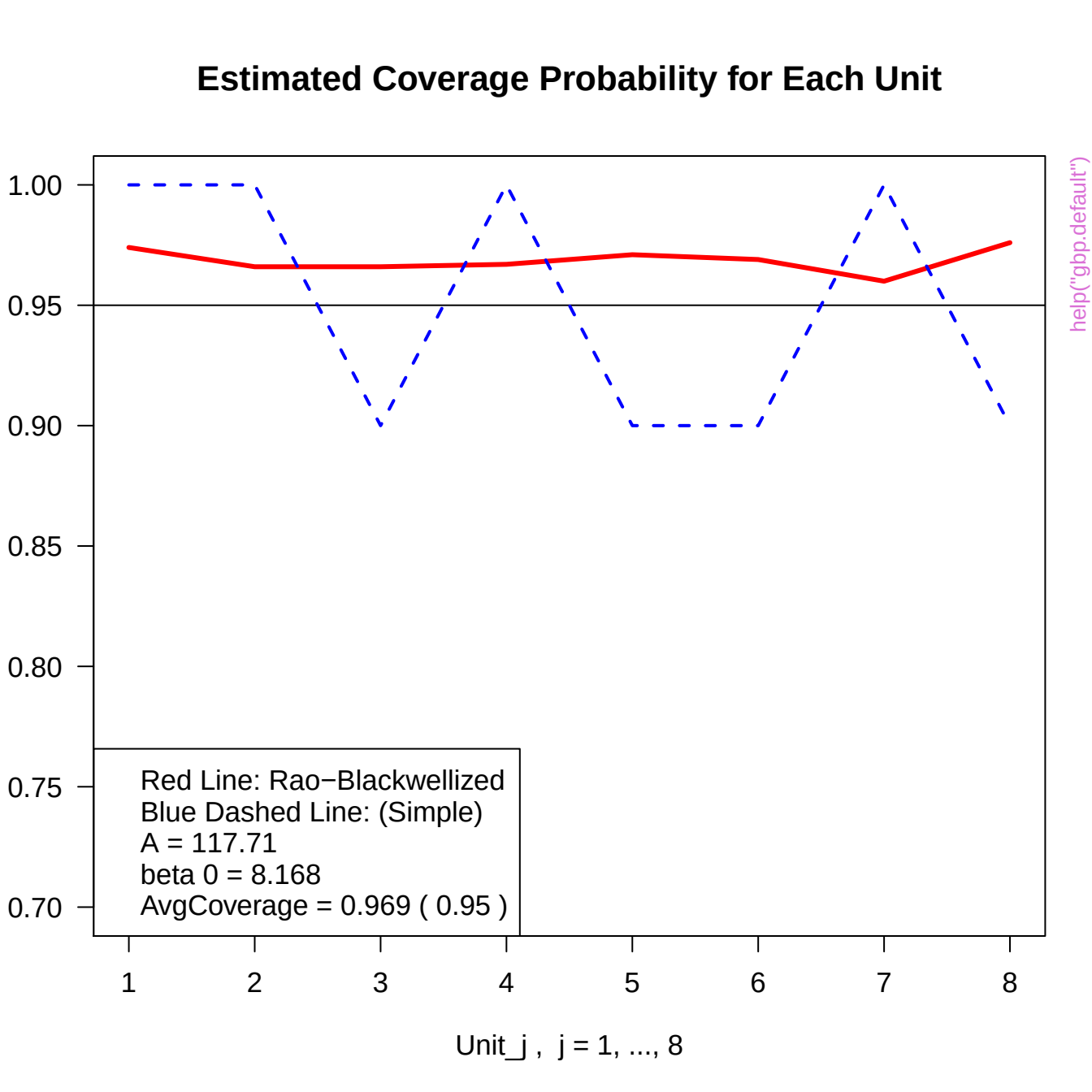

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −2
beta 1 = 0
AvgCoverage = 0.959 (0.917)
help("coverage")

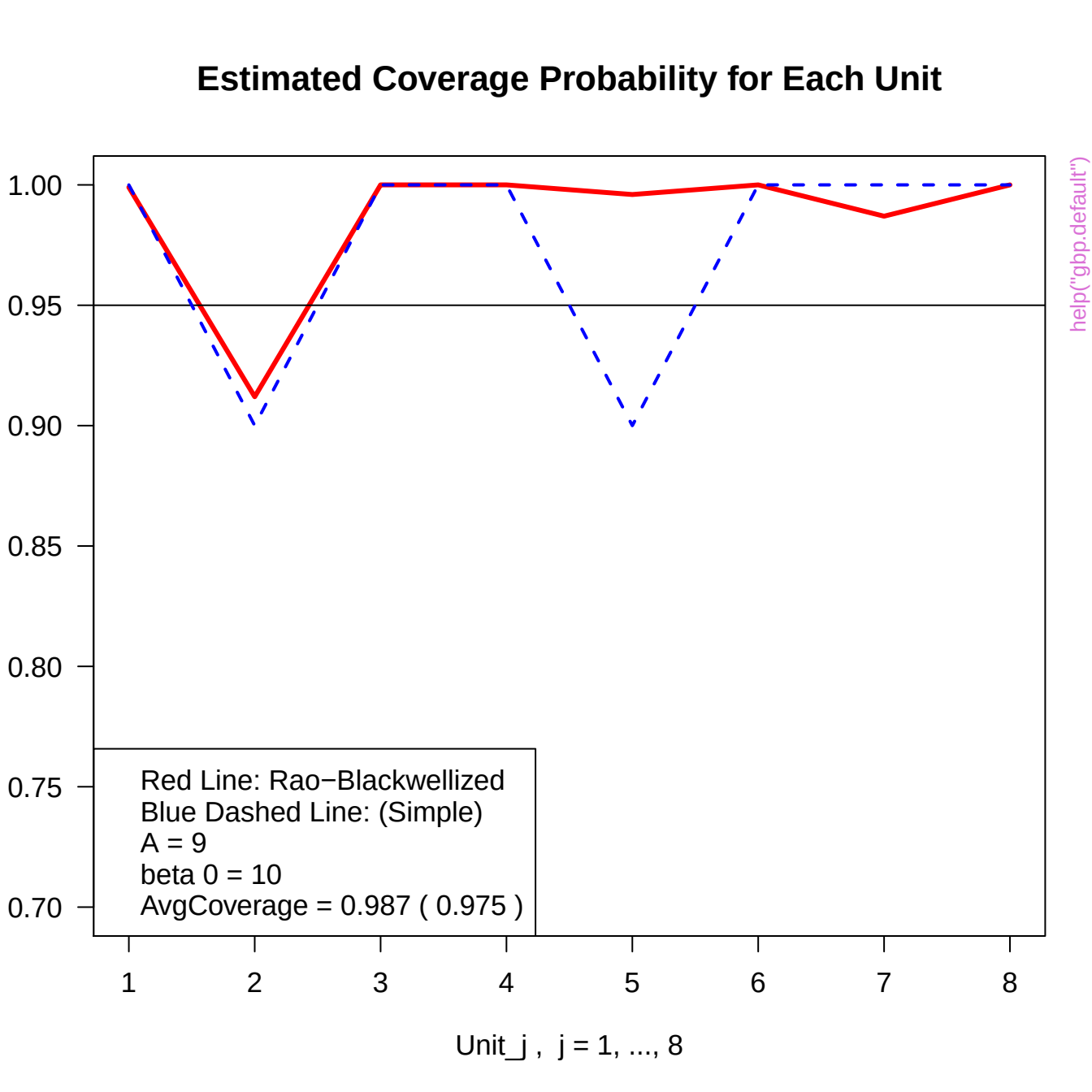

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 128.95
AvgCoverage = 0.974 (0.956)
help("coverage")

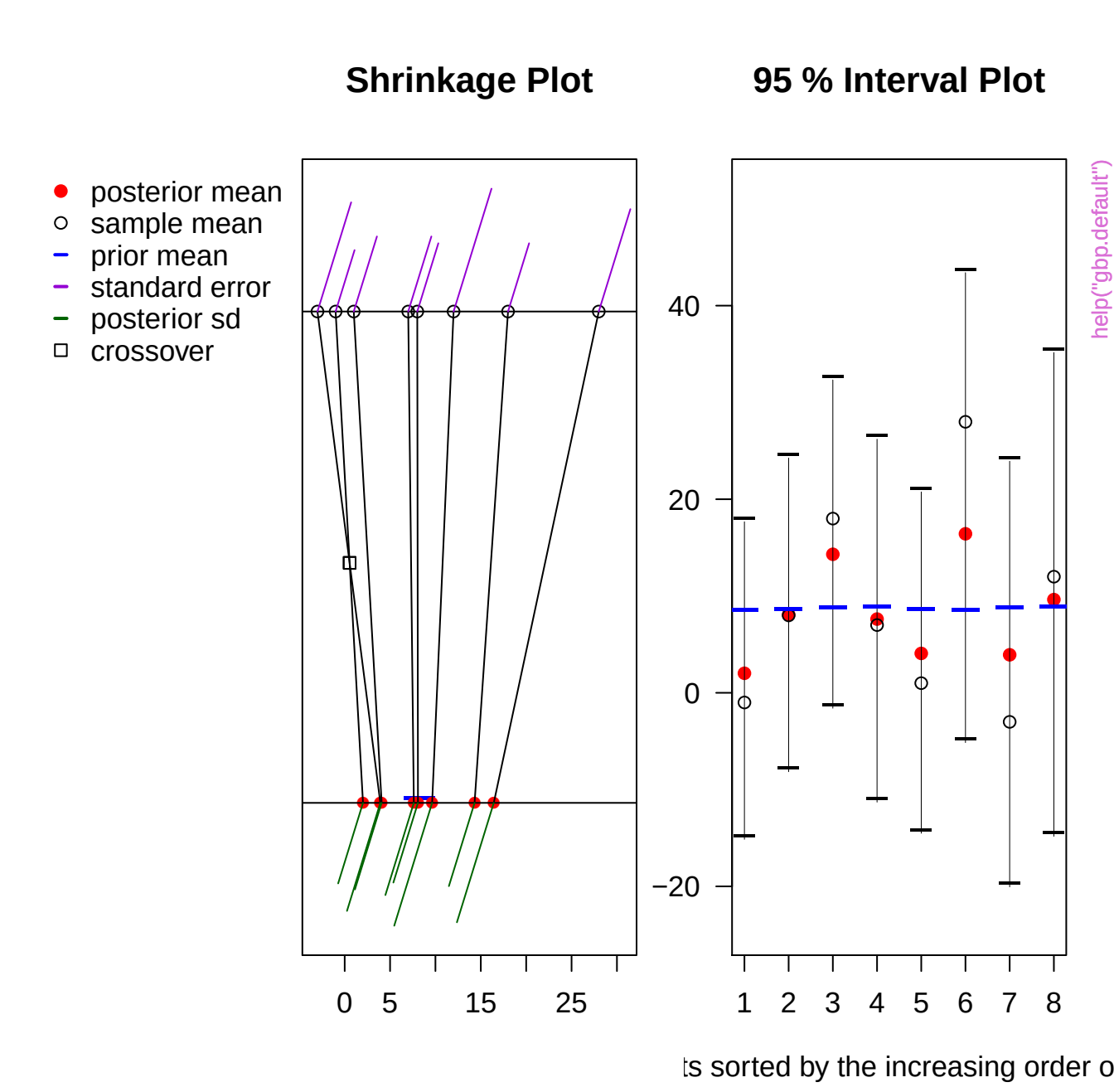

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
AvgCoverage = 0.953 (0.944)
5
10
15
Unit_j , j = 1, ..., 18
help("coverage")

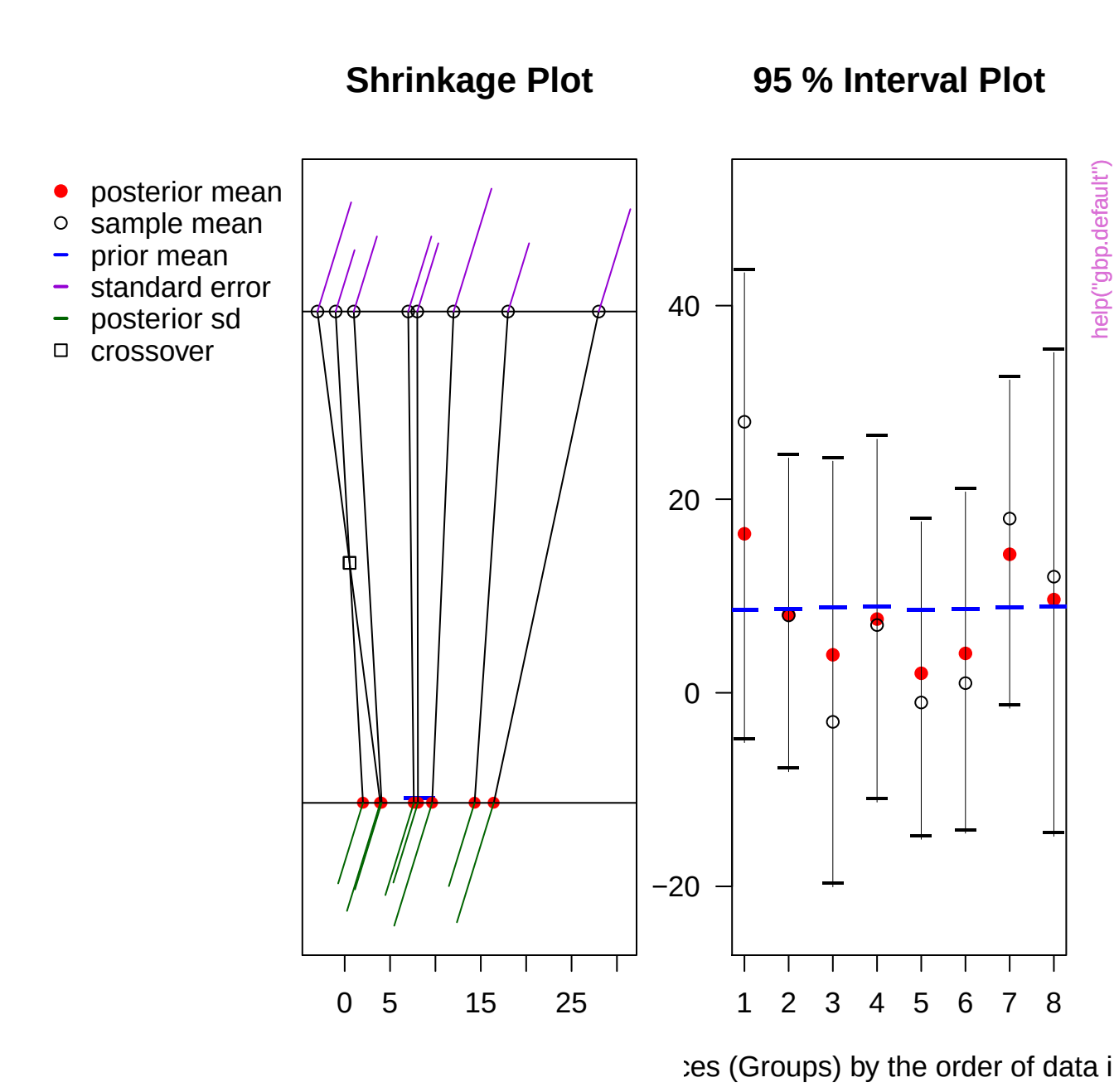

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
40
30
20
10
0
−10
−20
0
5
15
25
1
2
3
4
5
6
7
8
help("gbp.default")
ts sorted by the increasing order o

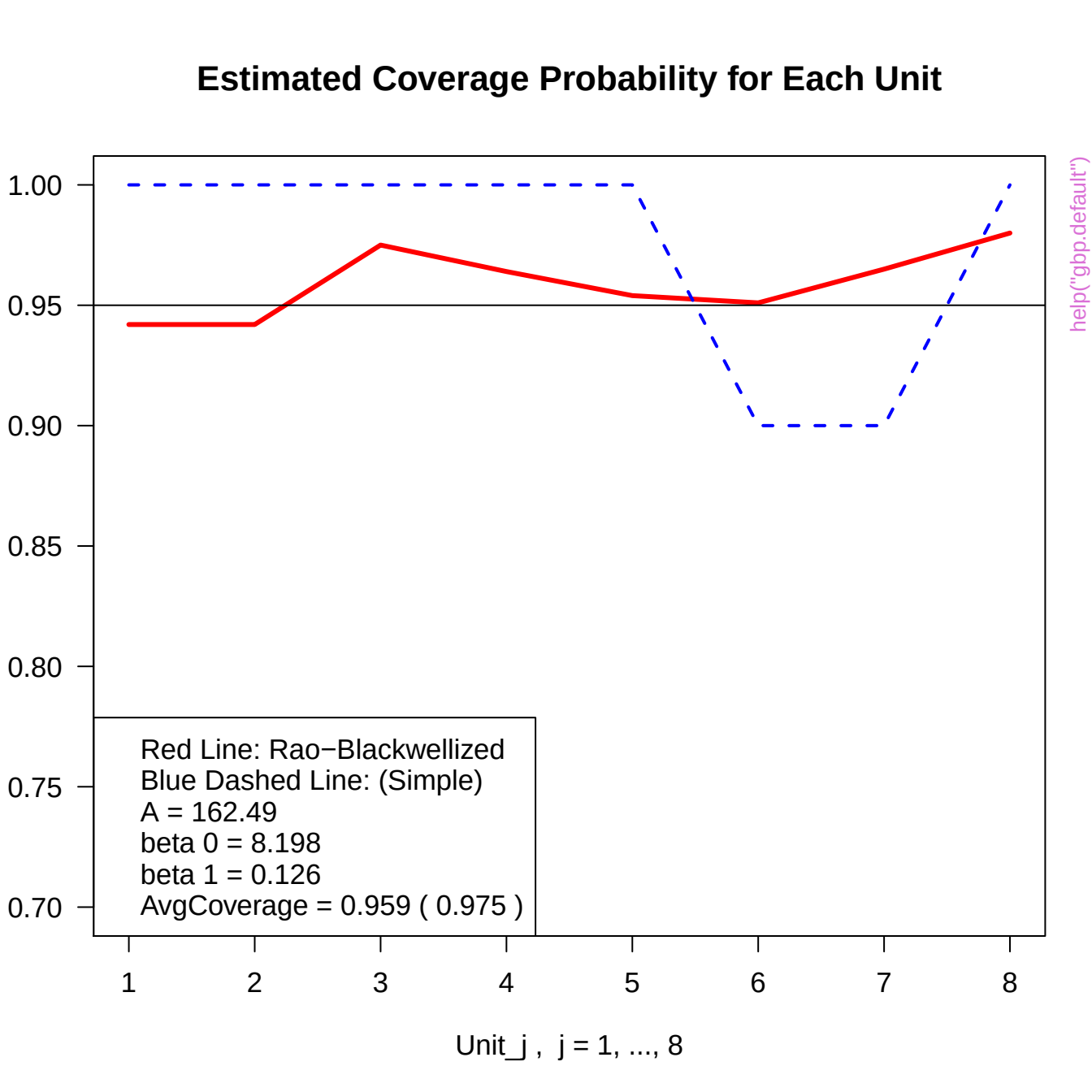

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25
40
30
20
10
0
−10
−20
1
2
3
4
5
6
7
8
help("gbp.default")
ces (Groups) by the order of data i

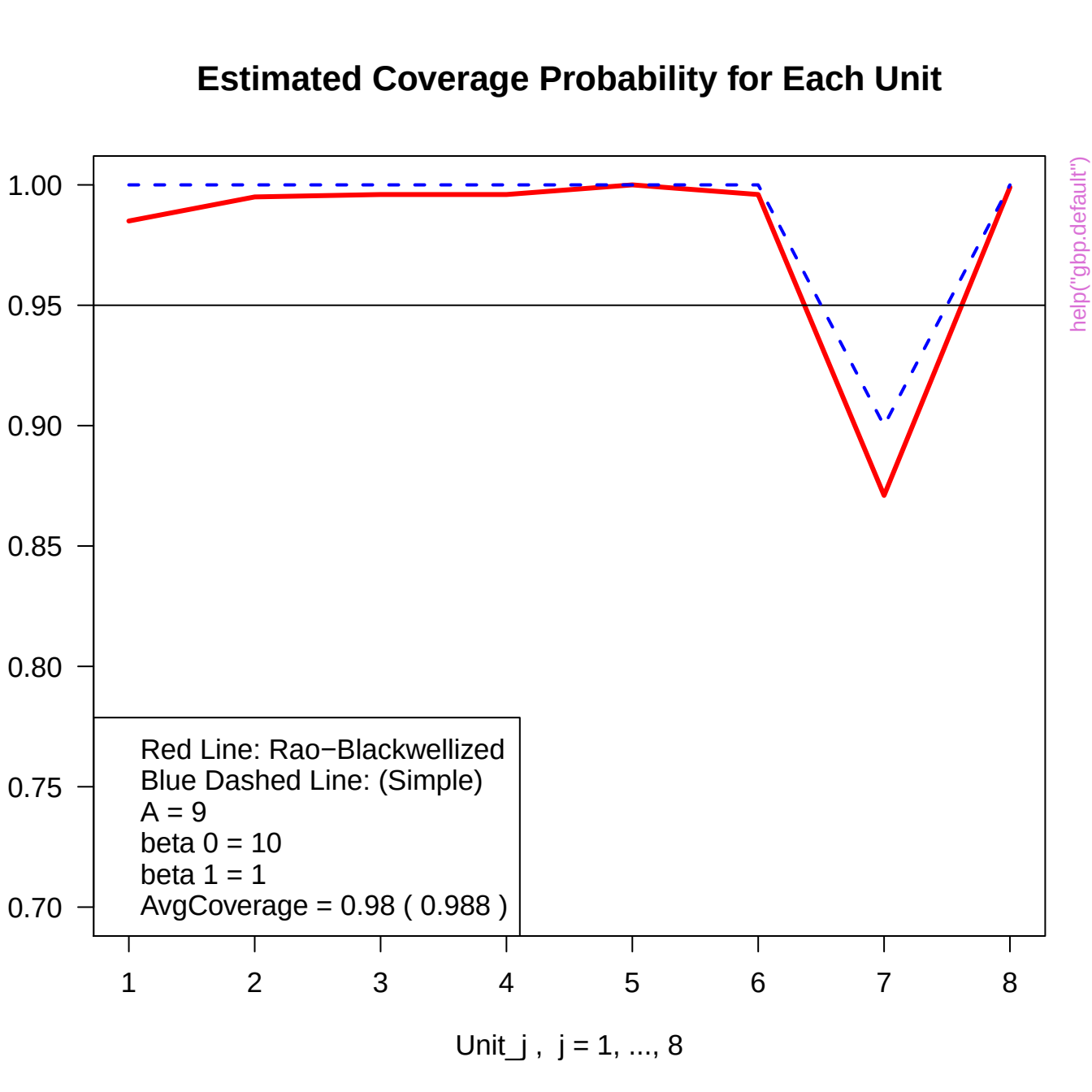

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 117.71
beta 0 = 8.168
AvgCoverage = 0.969 (0.95)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

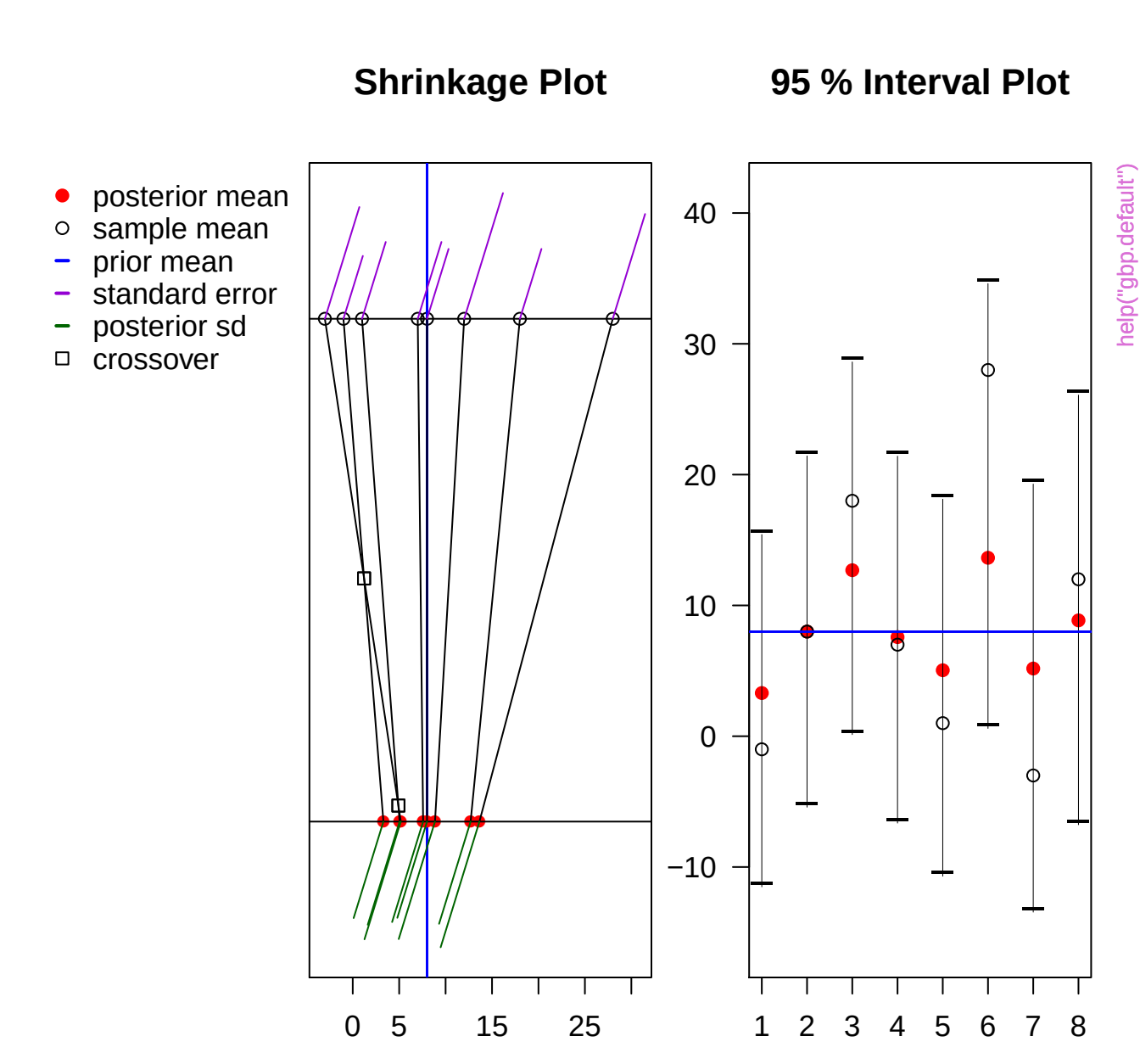

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
beta 0 = 10
AvgCoverage = 0.987 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

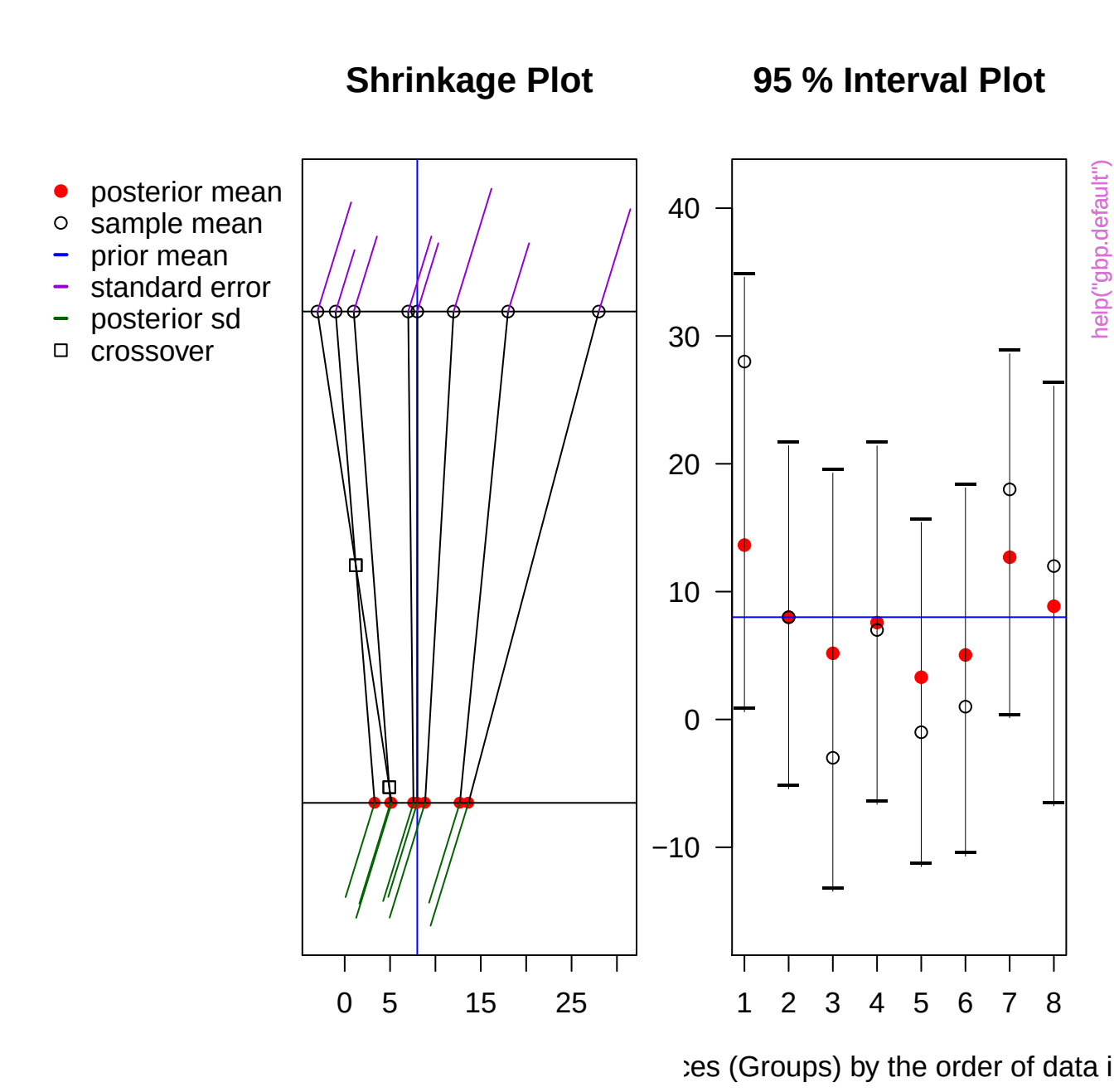

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25
40
20
0
−20
1
2
3
4
5
6
7
8
help("gbp.default")
ts sorted by the increasing order o

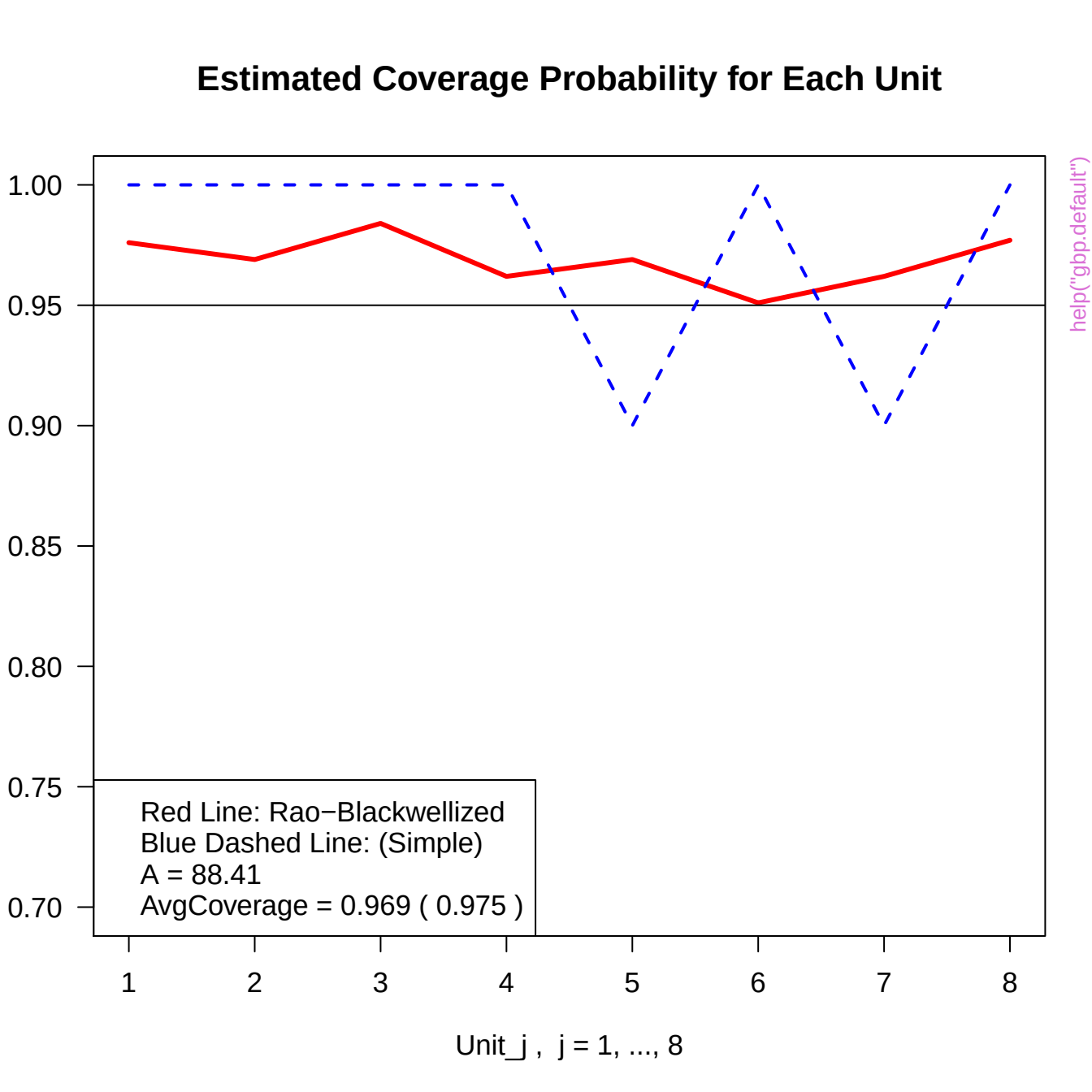

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
40
20
0
−20
0
5
15
25
1
2
3
4
5
6
7
8
help("gbp.default")
ces (Groups) by the order of data i

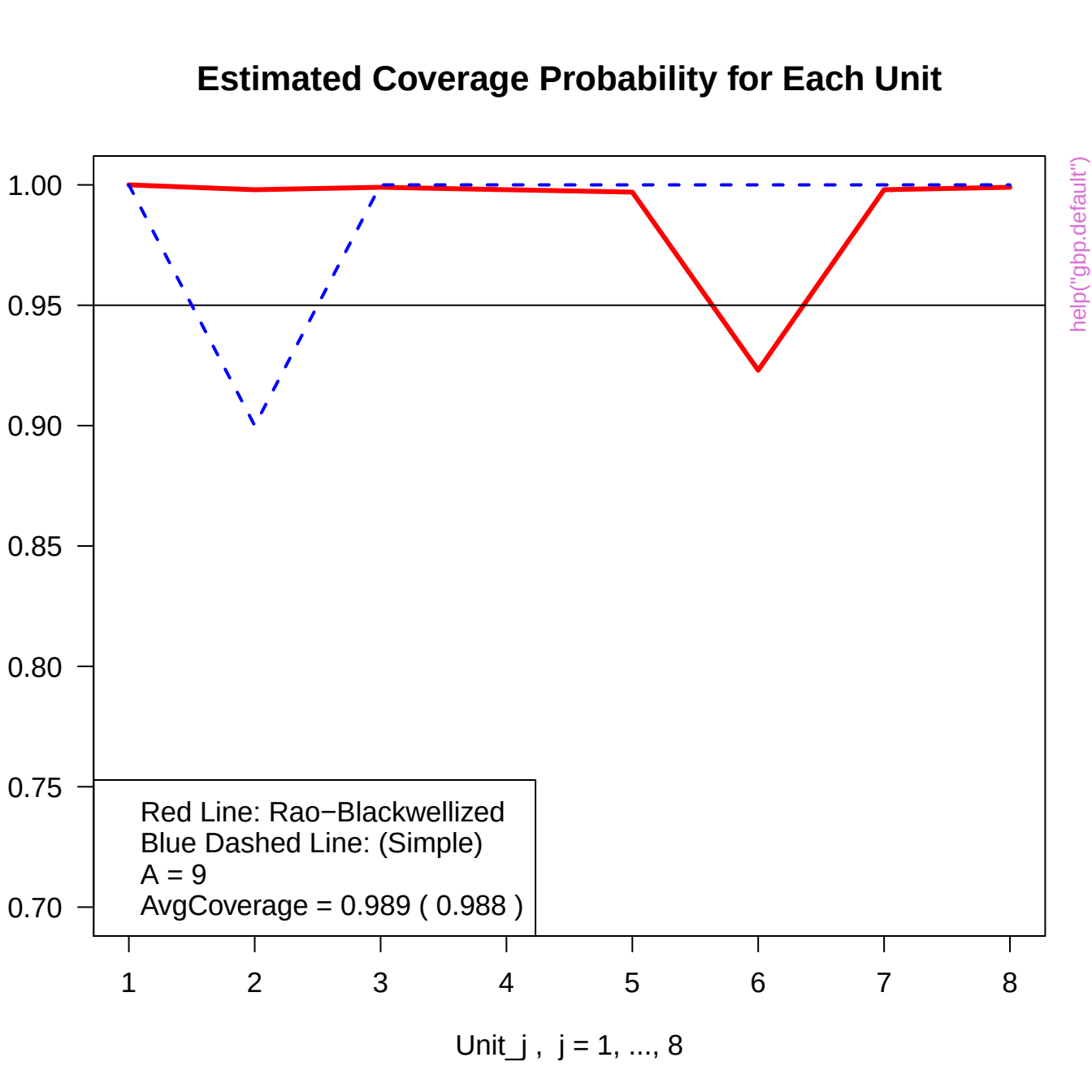

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 162.49
beta 0 = 8.198
beta 1 = 0.126
AvgCoverage = 0.959 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

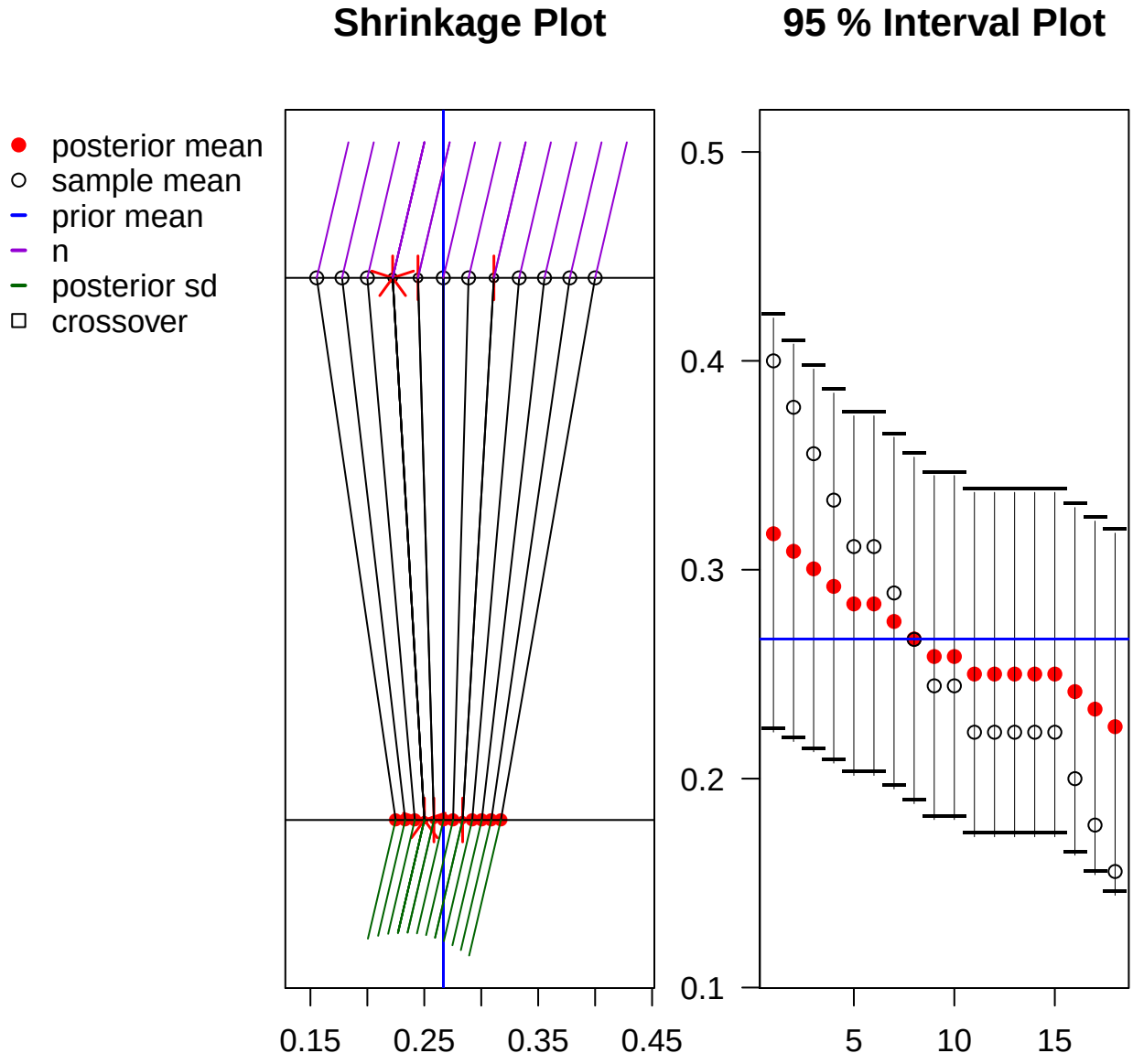

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
beta 0 = 10
beta 1 = 1
AvgCoverage = 0.98 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25
40
30
20
10
0
−10
1
2
3
4
5
6
7
8
help("gbp.default")
ts sorted by the increasing order o

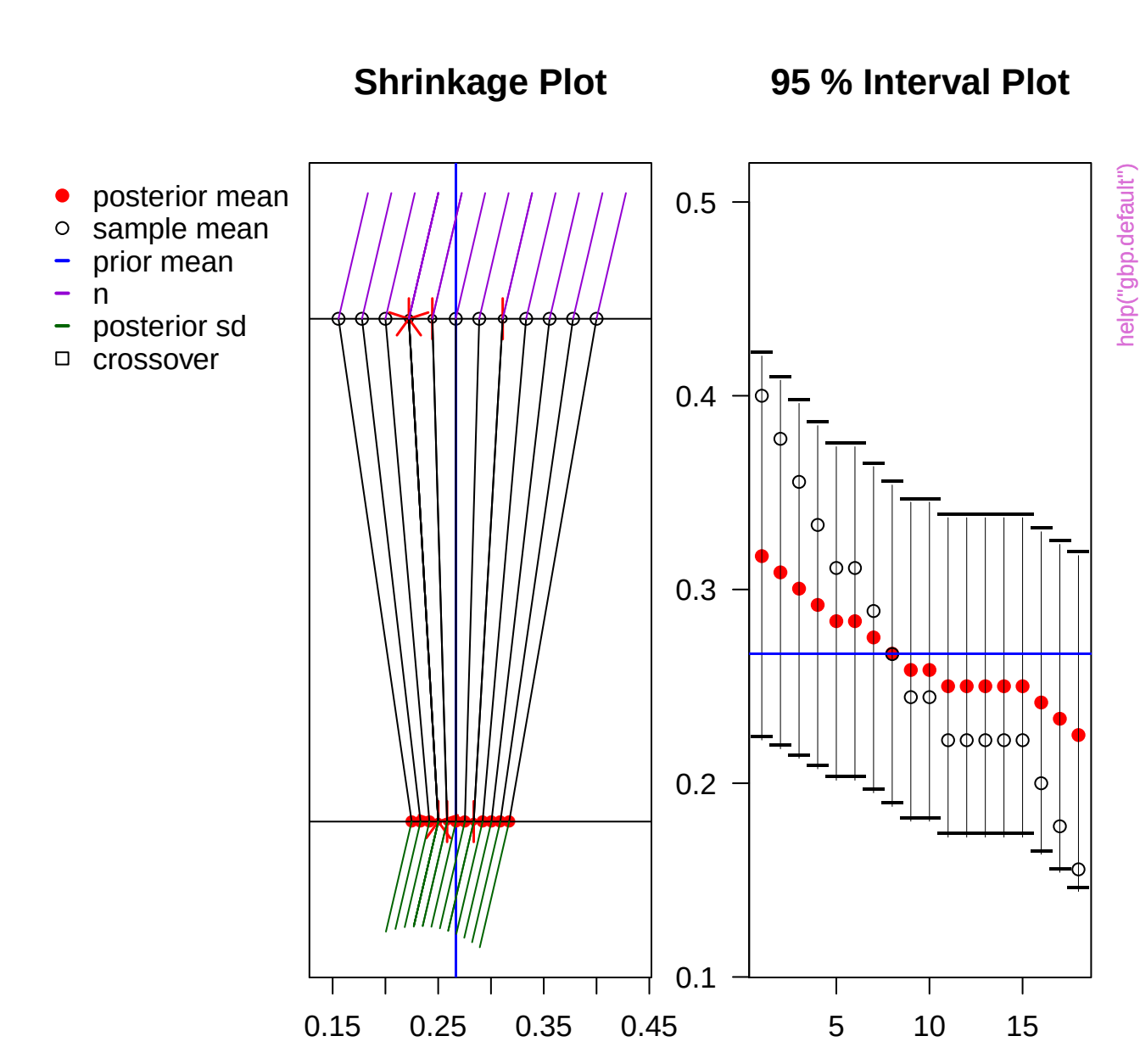

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25
40
30
20
10
0
−10
1
2
3
4
5
6
7
8
help("gbp.default")
ces (Groups) by the order of data i

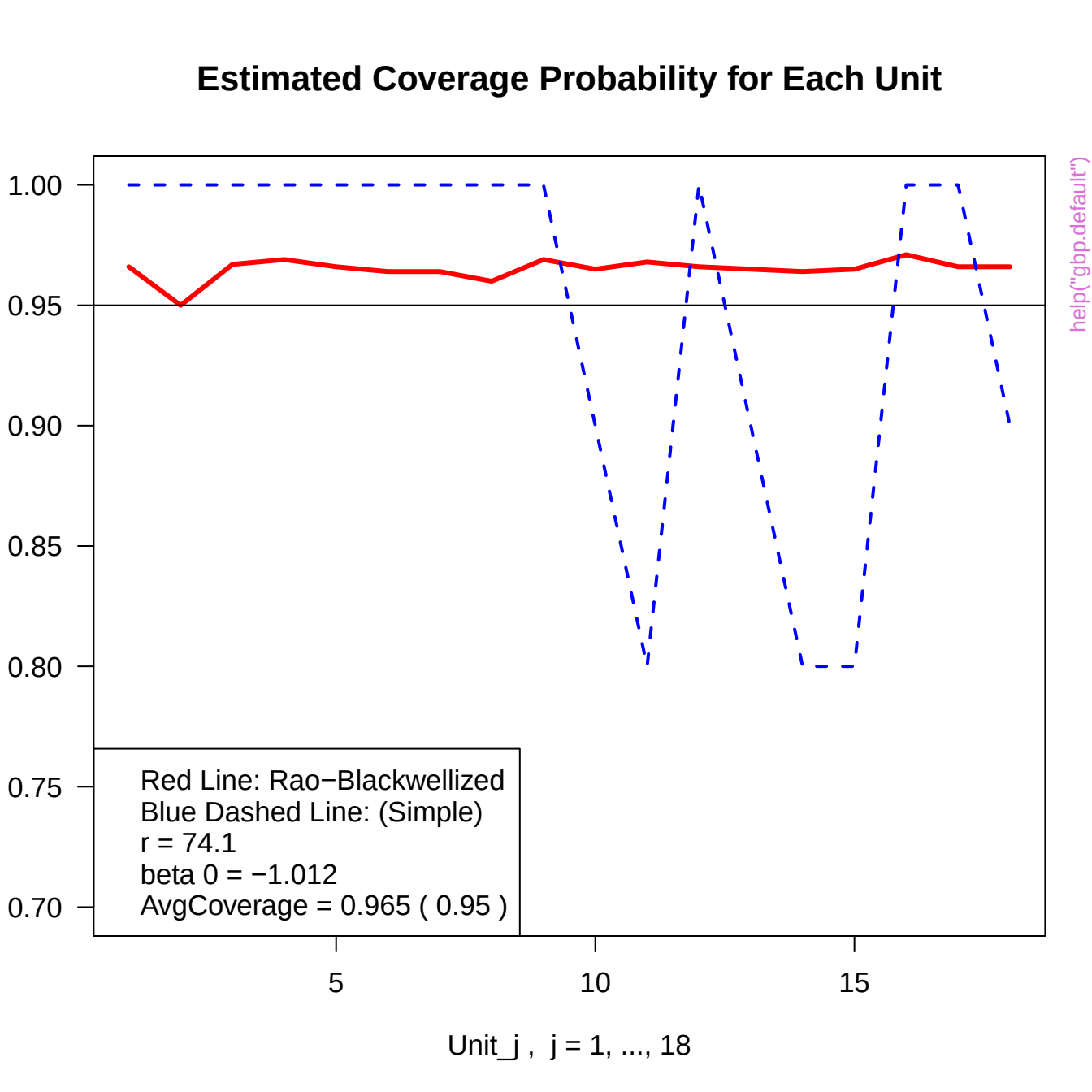

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 88.41
AvgCoverage = 0.969 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

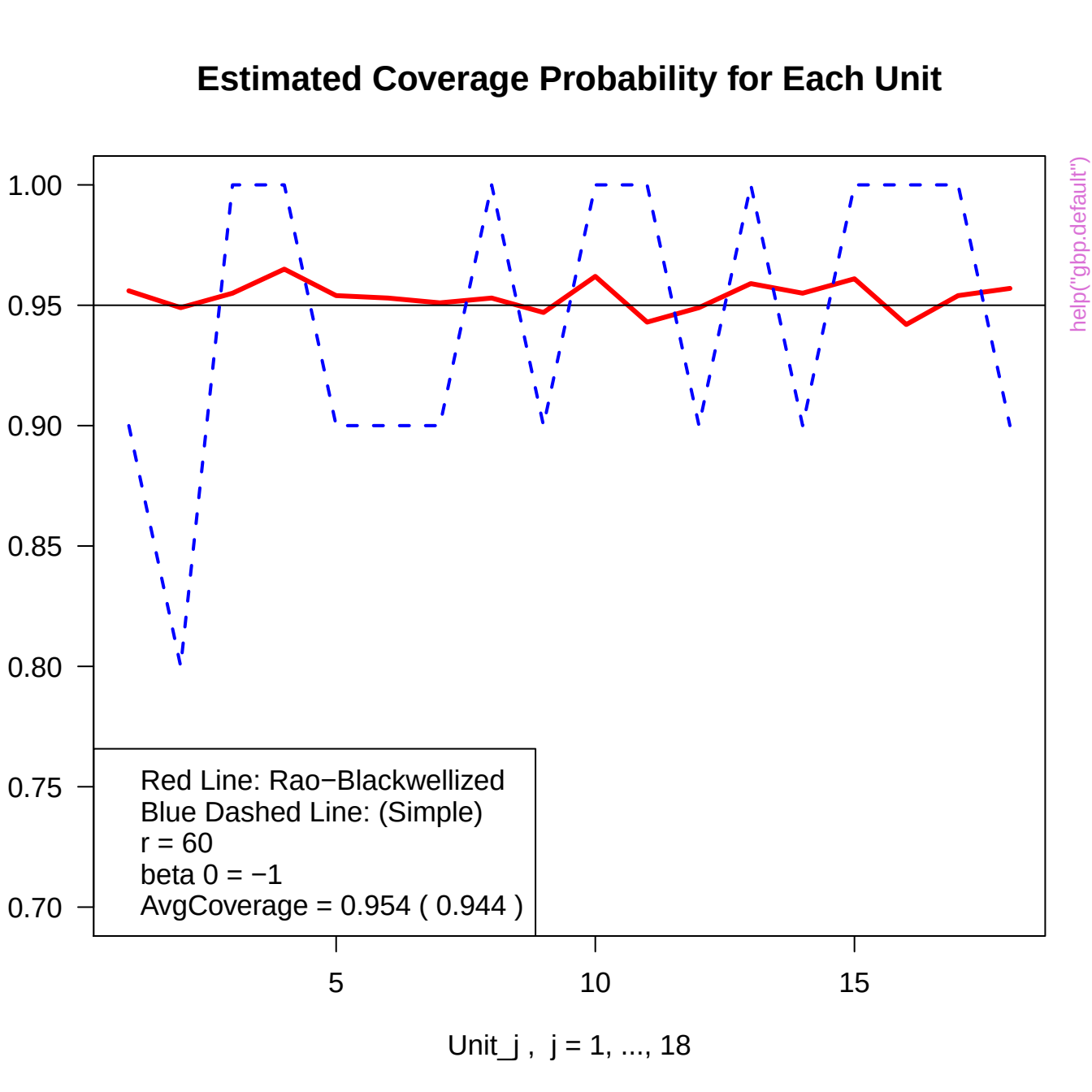

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
A = 9
AvgCoverage = 0.989 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

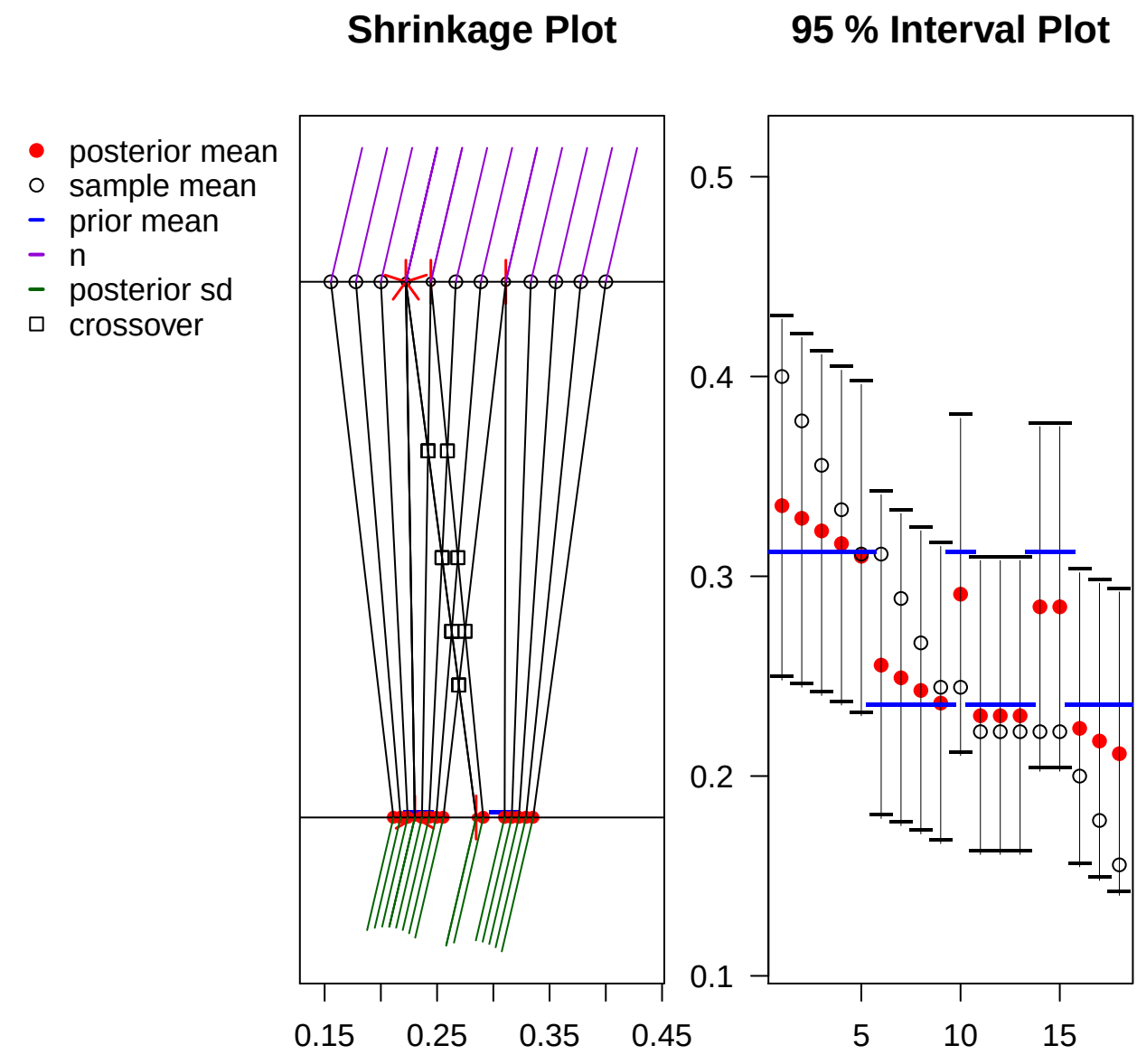


its sorted by the increasing order o


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.5
0.4
0.3
0.2
0.1
5
10
15
help("gbp.default")
ces (Groups) by the order of data i

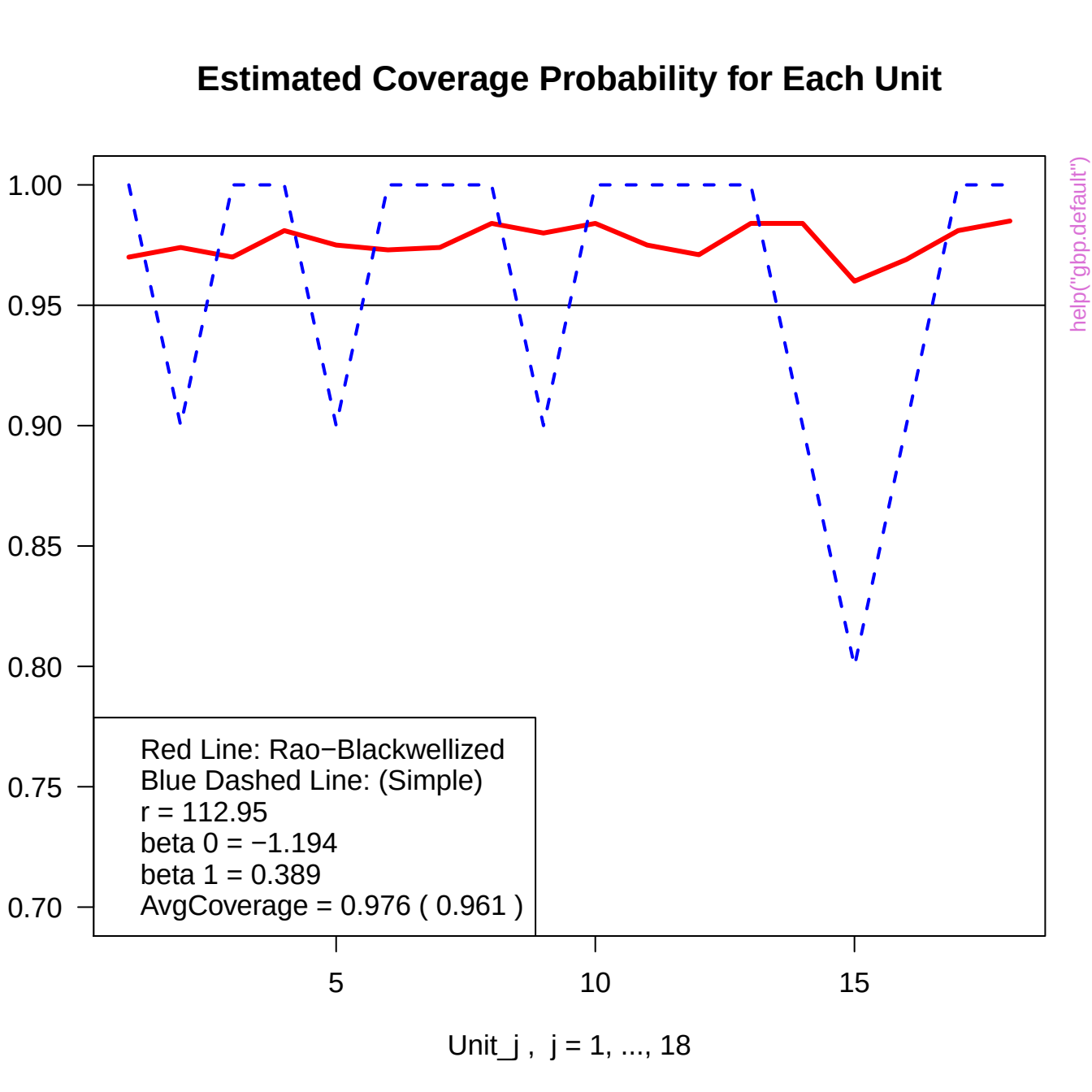

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 74.1
beta 0 = −1.012
AvgCoverage = 0.965 (0.95)
help("gbp.default")

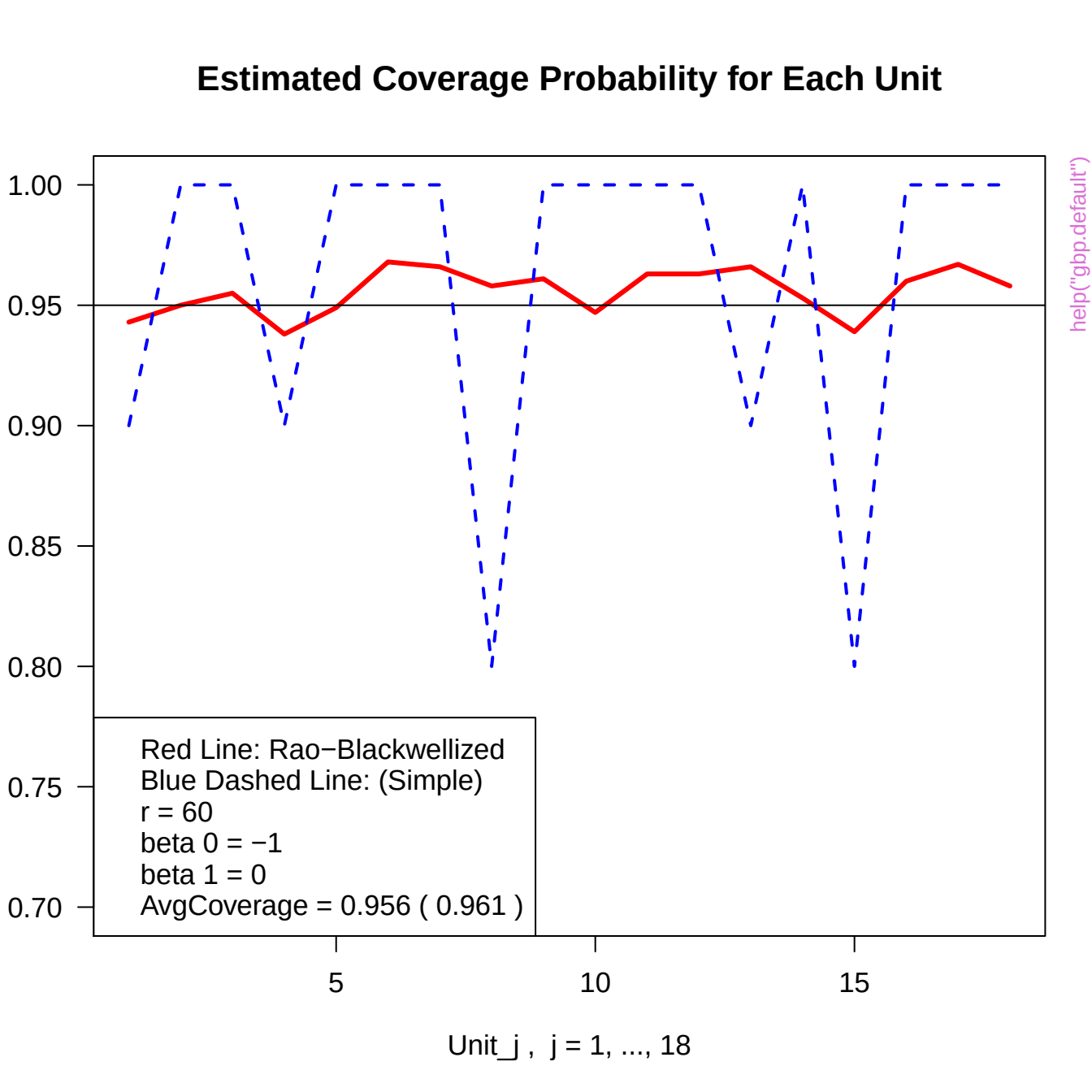

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −1
AvgCoverage = 0.954 (0.944)
help("gbp.default")

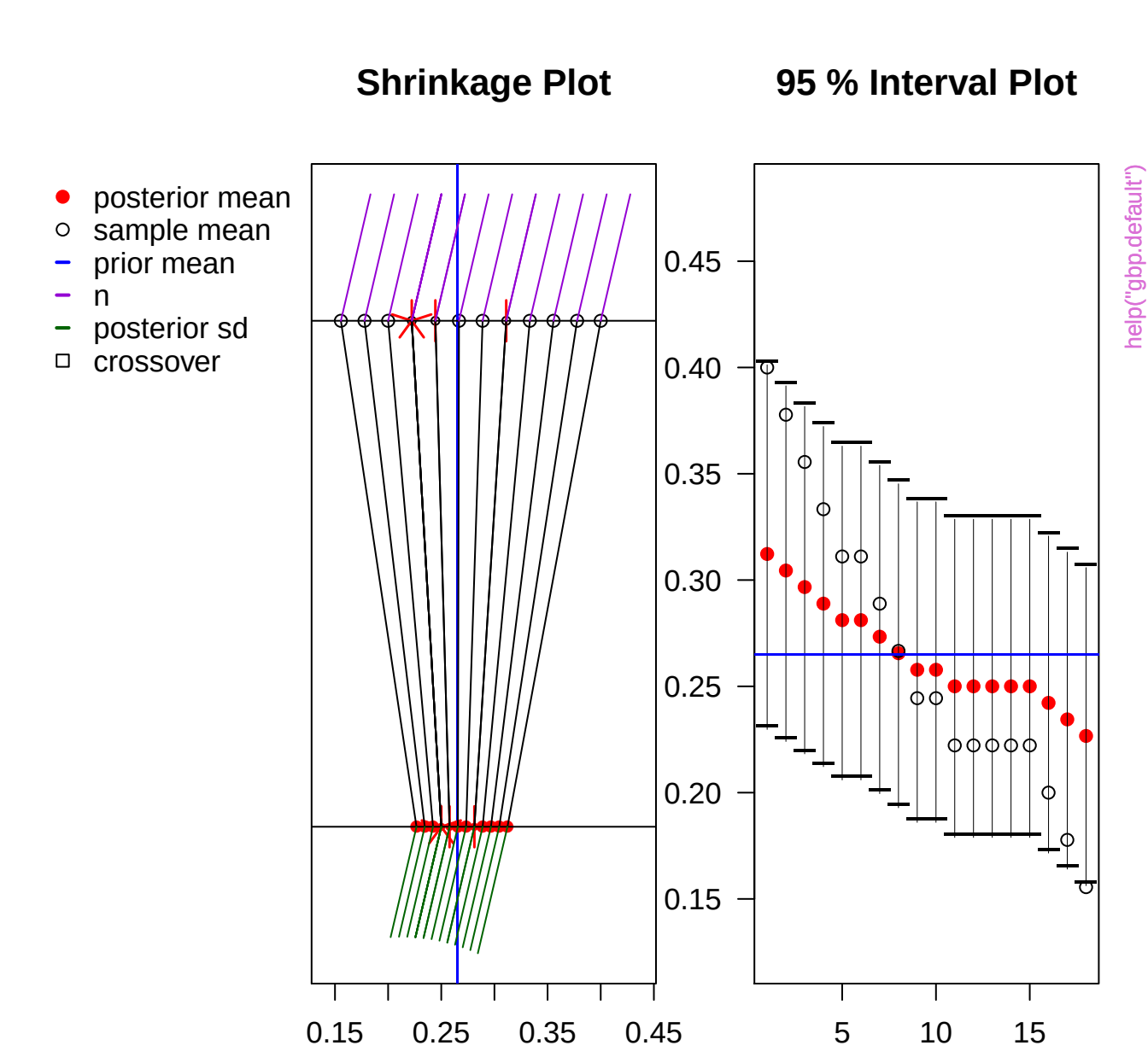


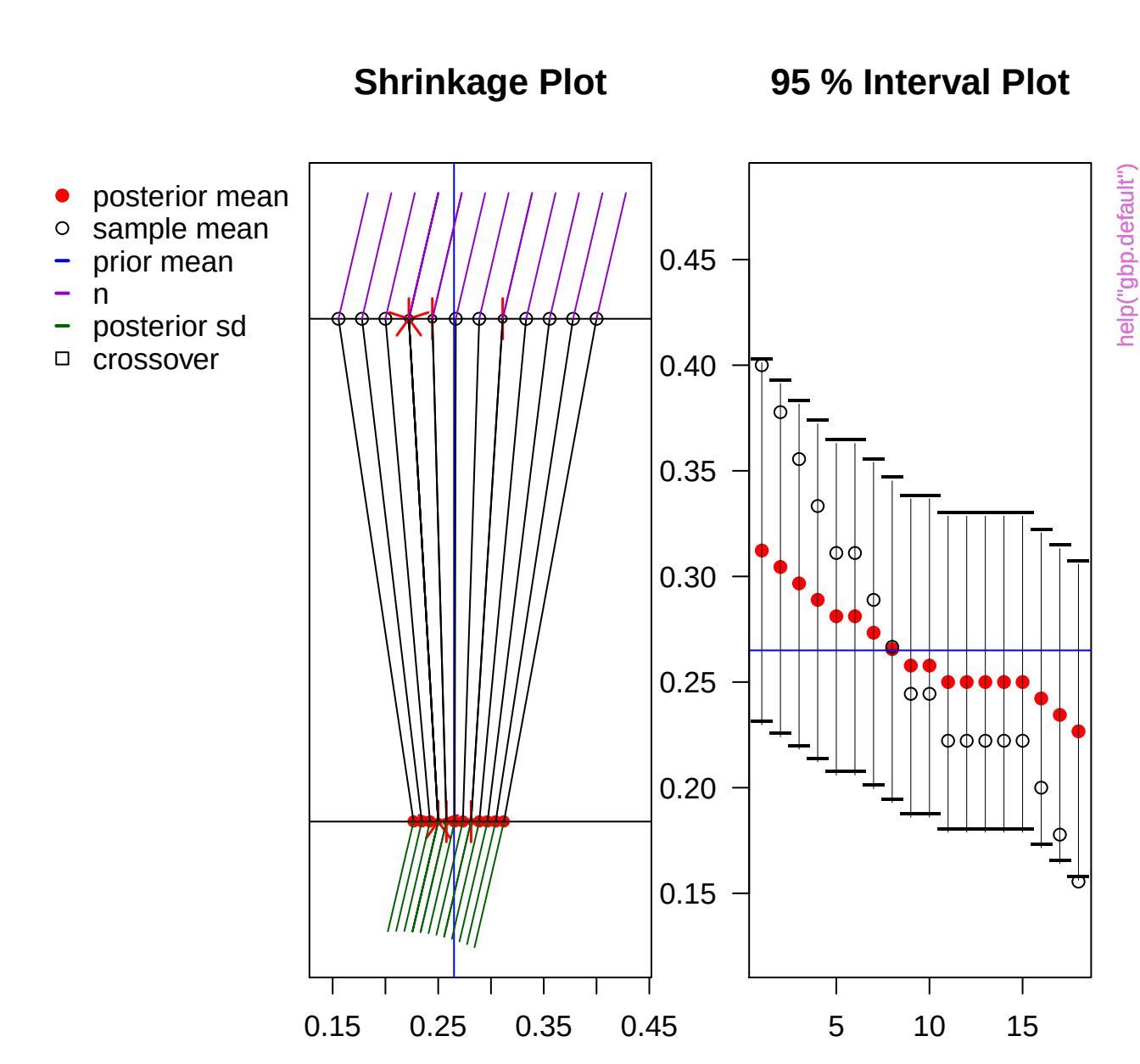
its sorted by the increasing order o

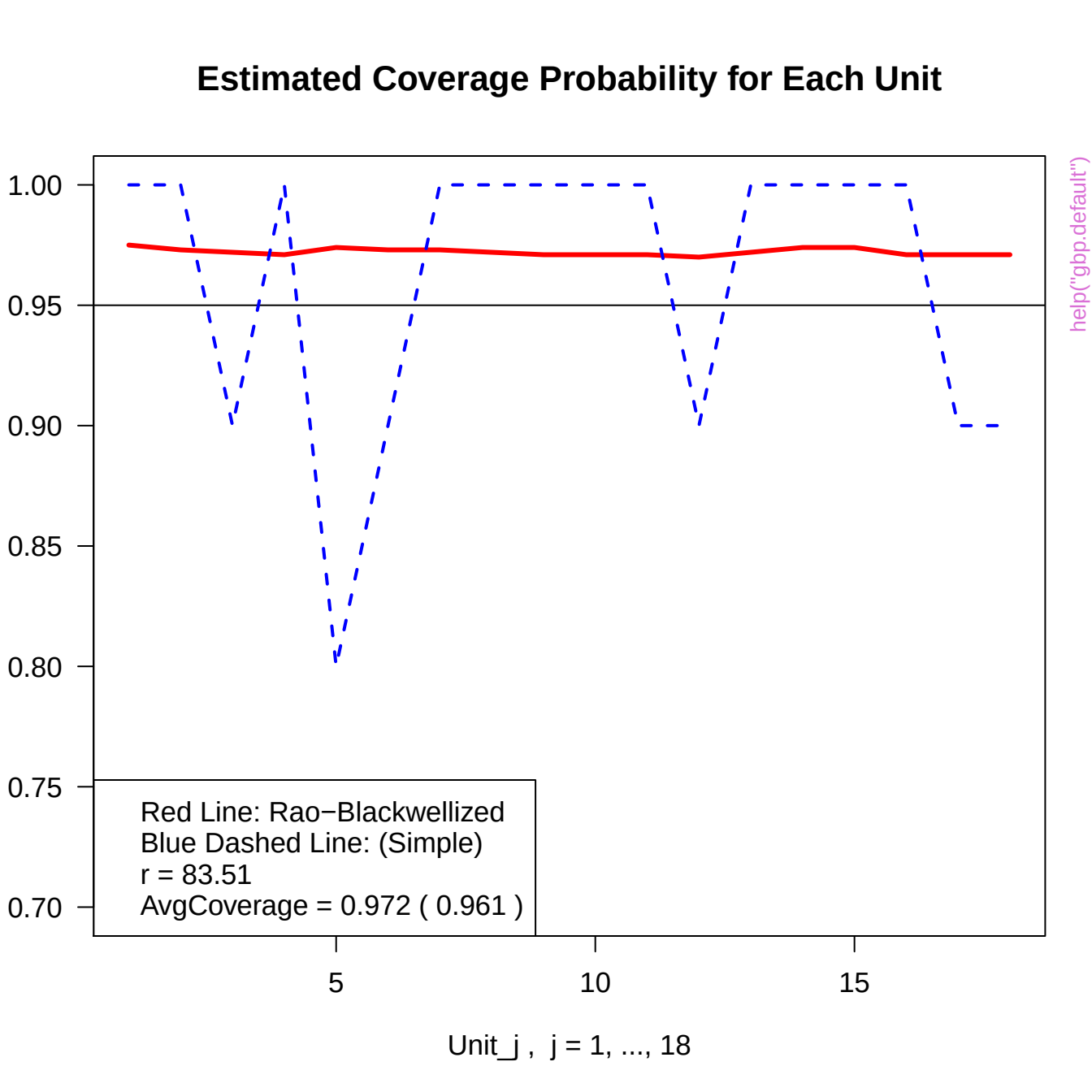
Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.5
0.4
0.3
0.2
0.1
5
10
15
help("gbp.default")
ces (Groups) by the order of data i

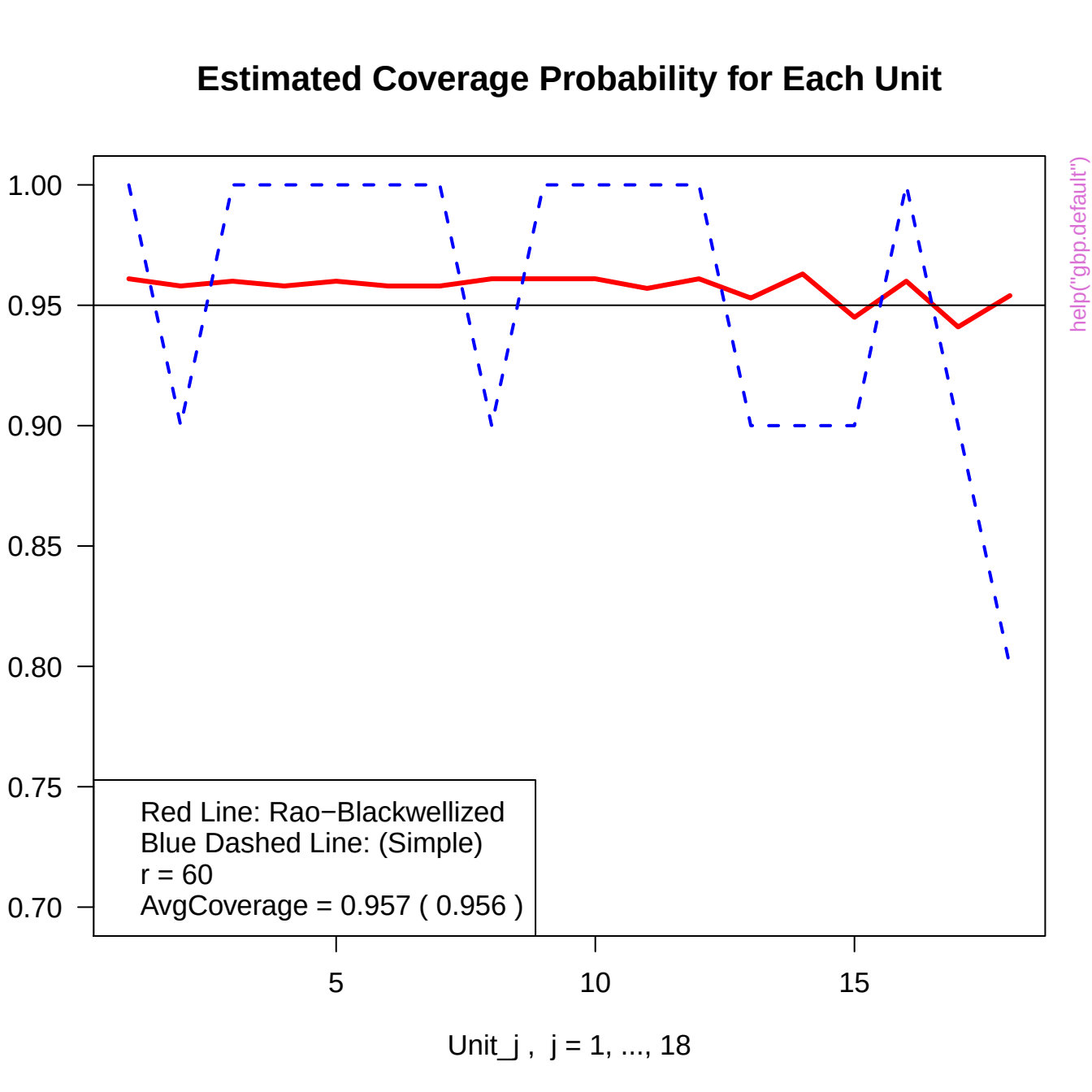

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 112.95
beta 0 = −1.194
beta 1 = 0.389
AvgCoverage = 0.976 (0.961)
help("gbp.default")

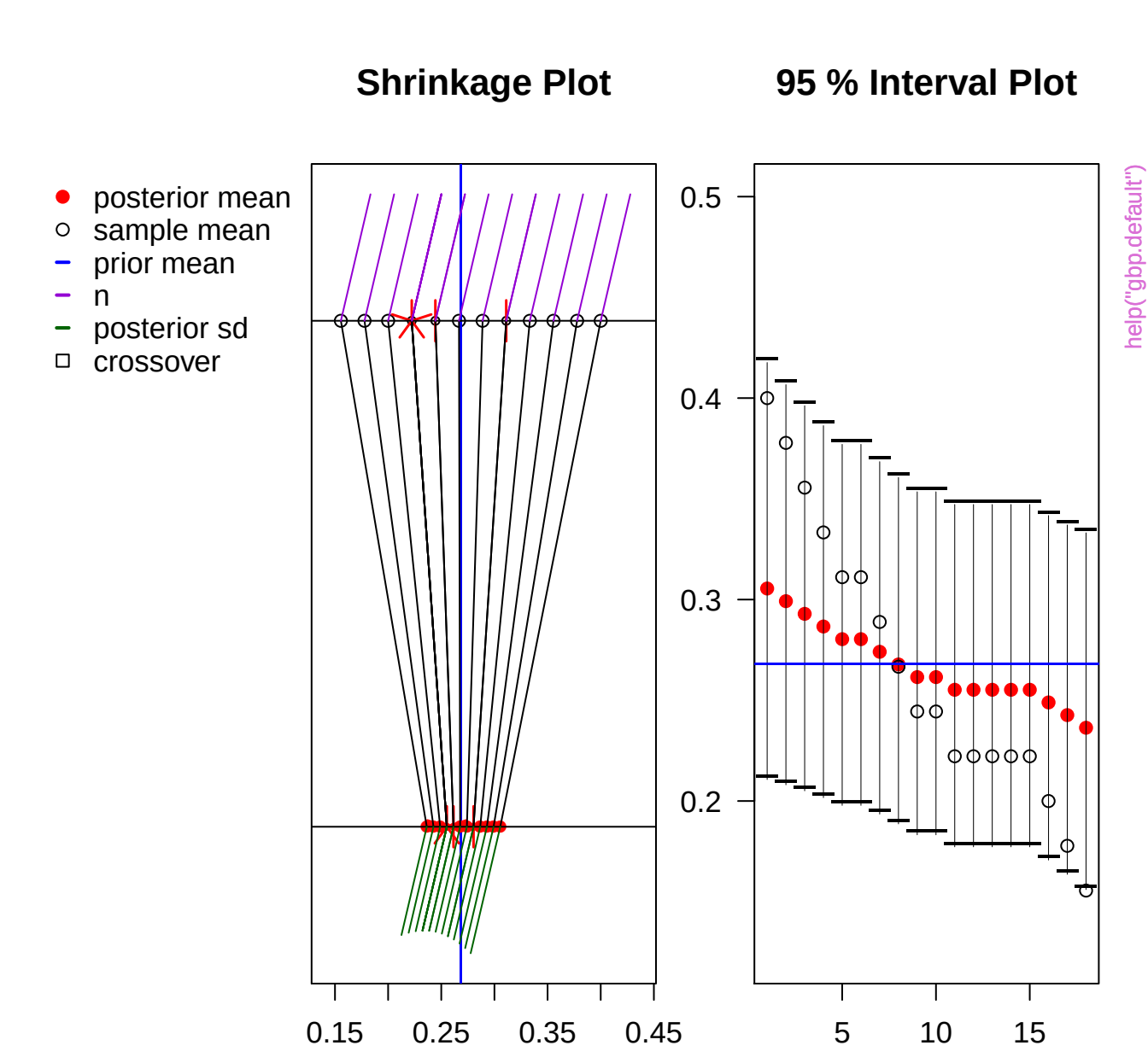

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −1
beta 1 = 0
AvgCoverage = 0.956 (0.961)
5
10
15
Unit_j , j = 1, ..., 18
help("gbp.default")

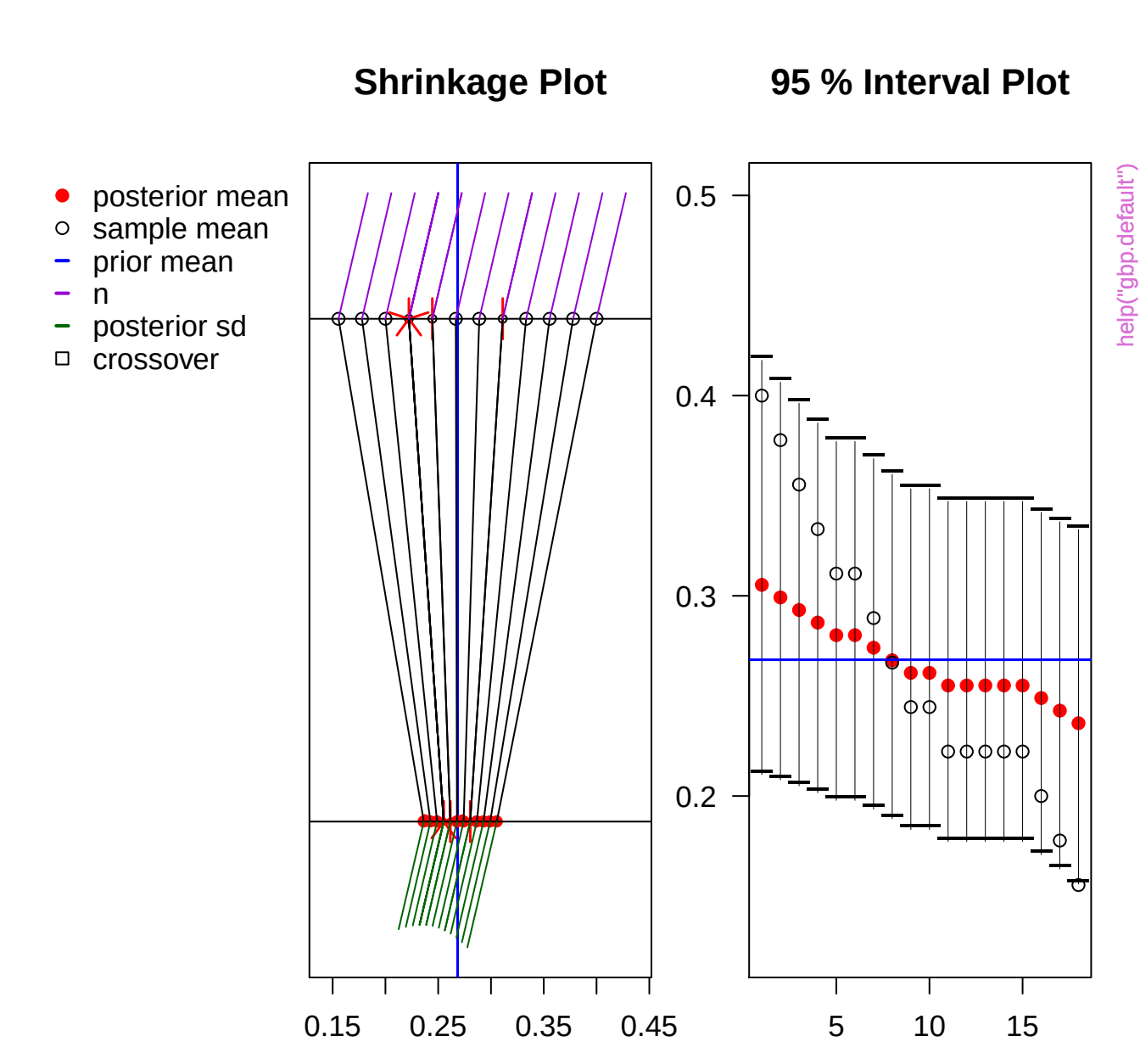

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("gbp.default")
its sorted by the increasing order o

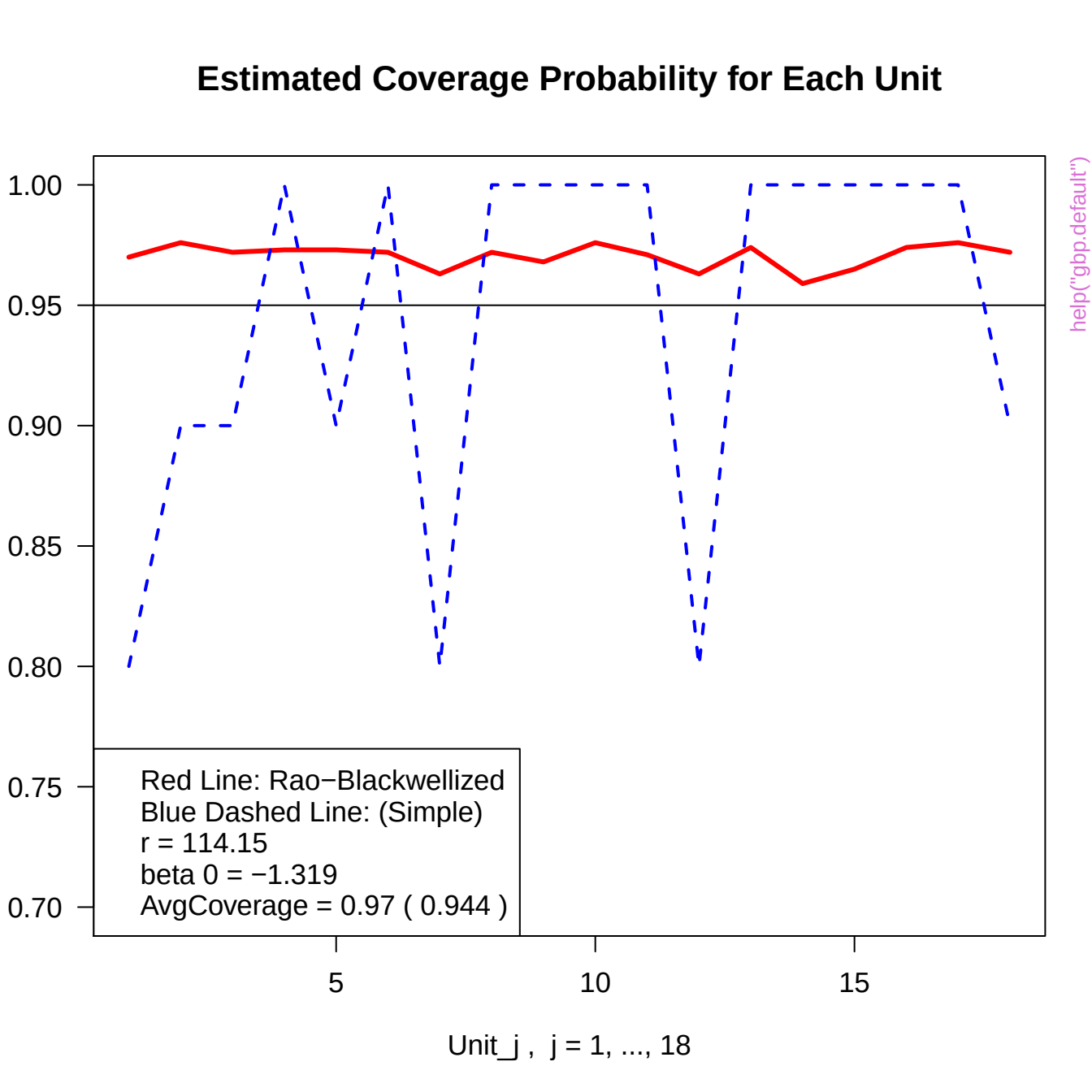

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("gbp.default")
ces (Groups) by the order of data i

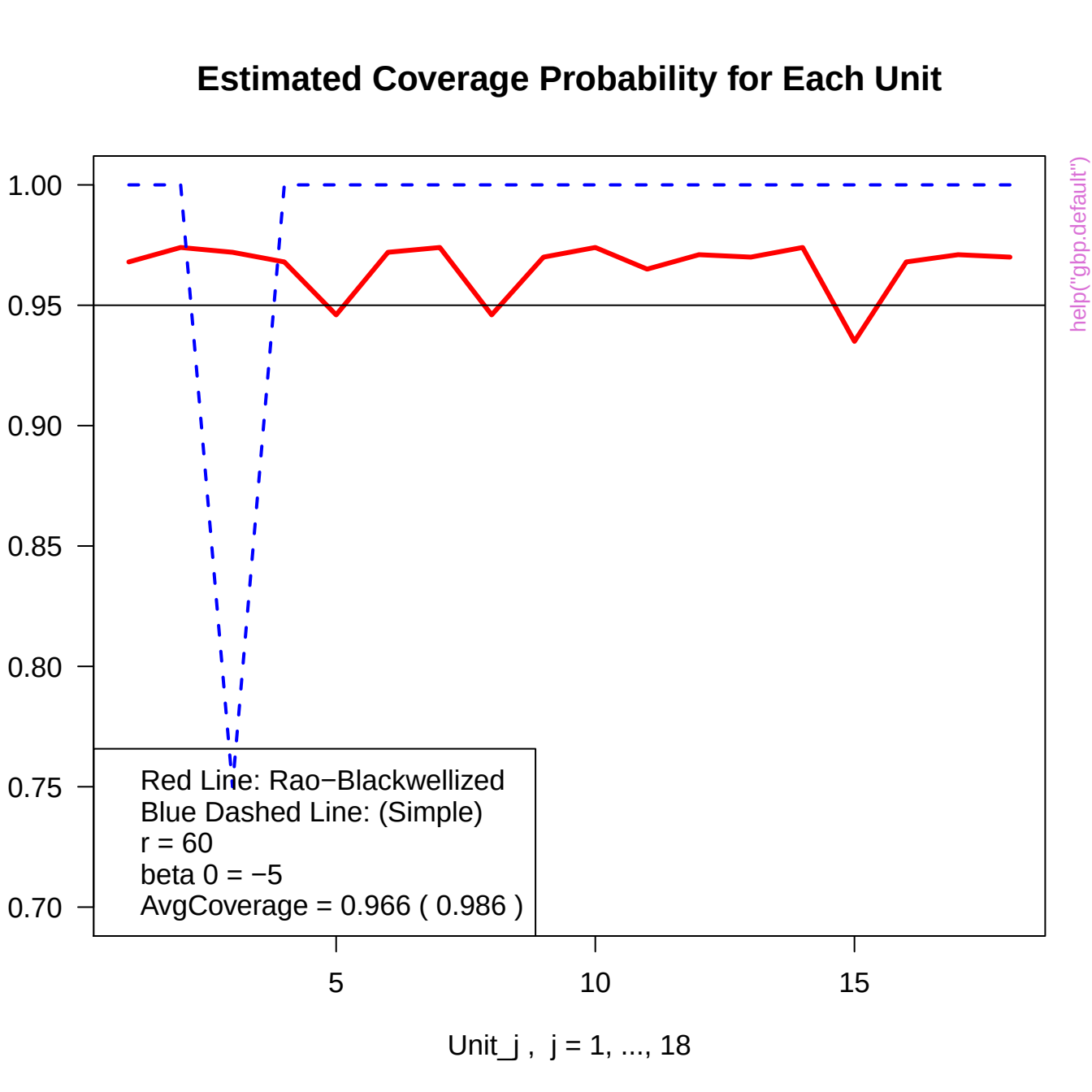

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 83.51
AvgCoverage = 0.972 (0.961)
help("gbp.default")

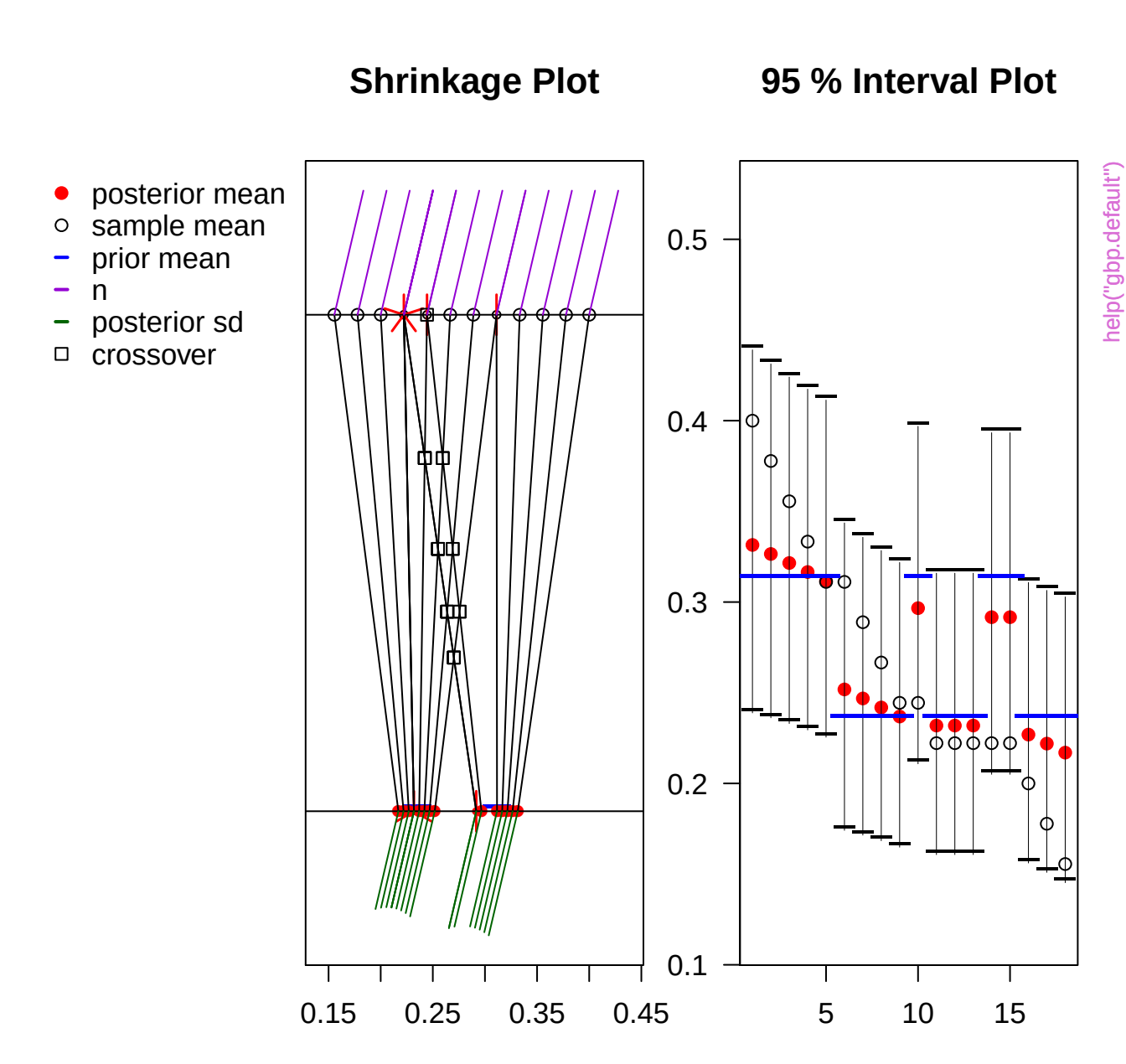

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
AvgCoverage = 0.957 (0.956)
5
10
15
Unit_j , j = 1, ..., 18
help("gbp.default")

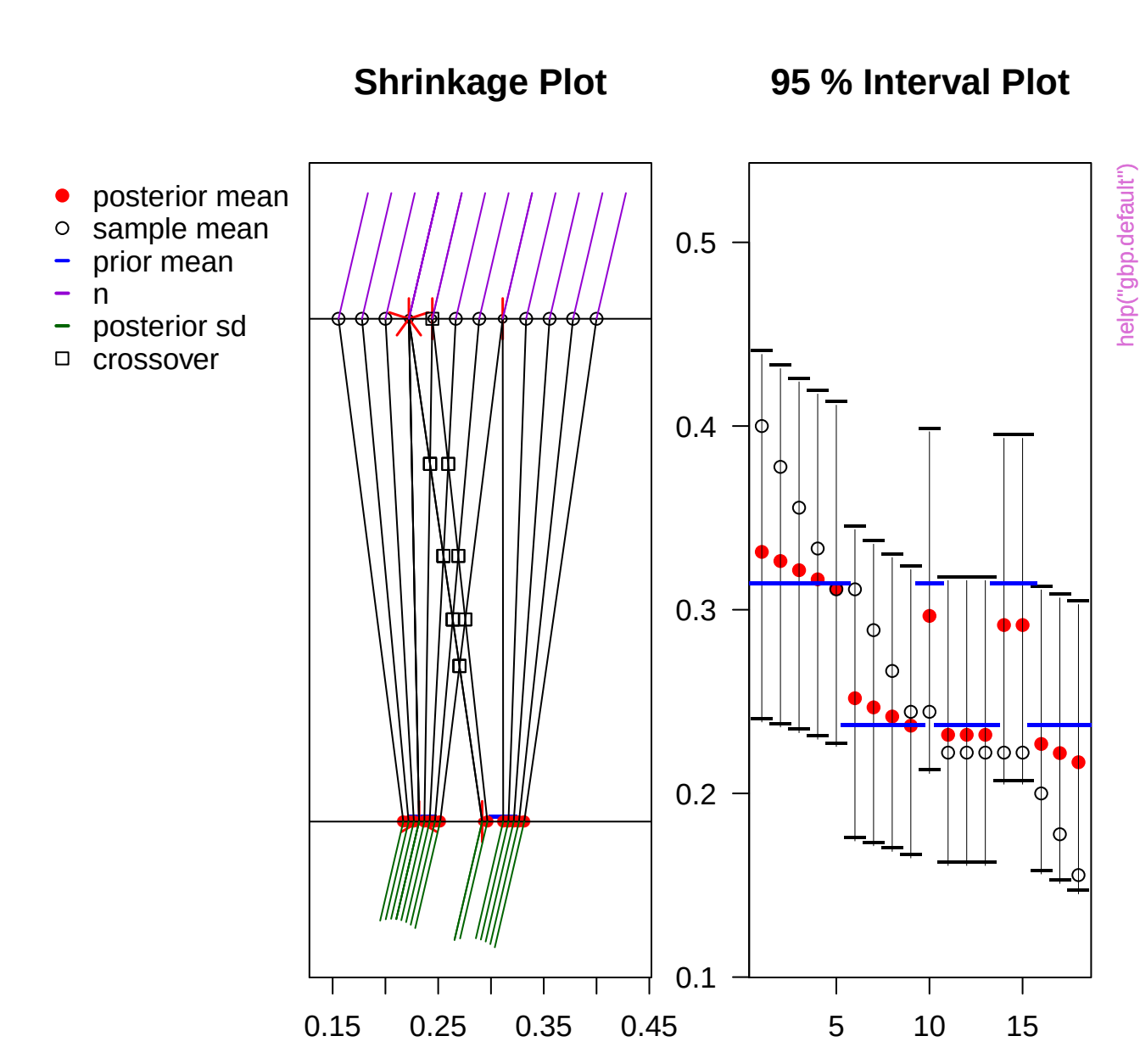

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.5
0.4
0.3
0.2
5
10
15
help("gbp.default")
its sorted by the increasing order o

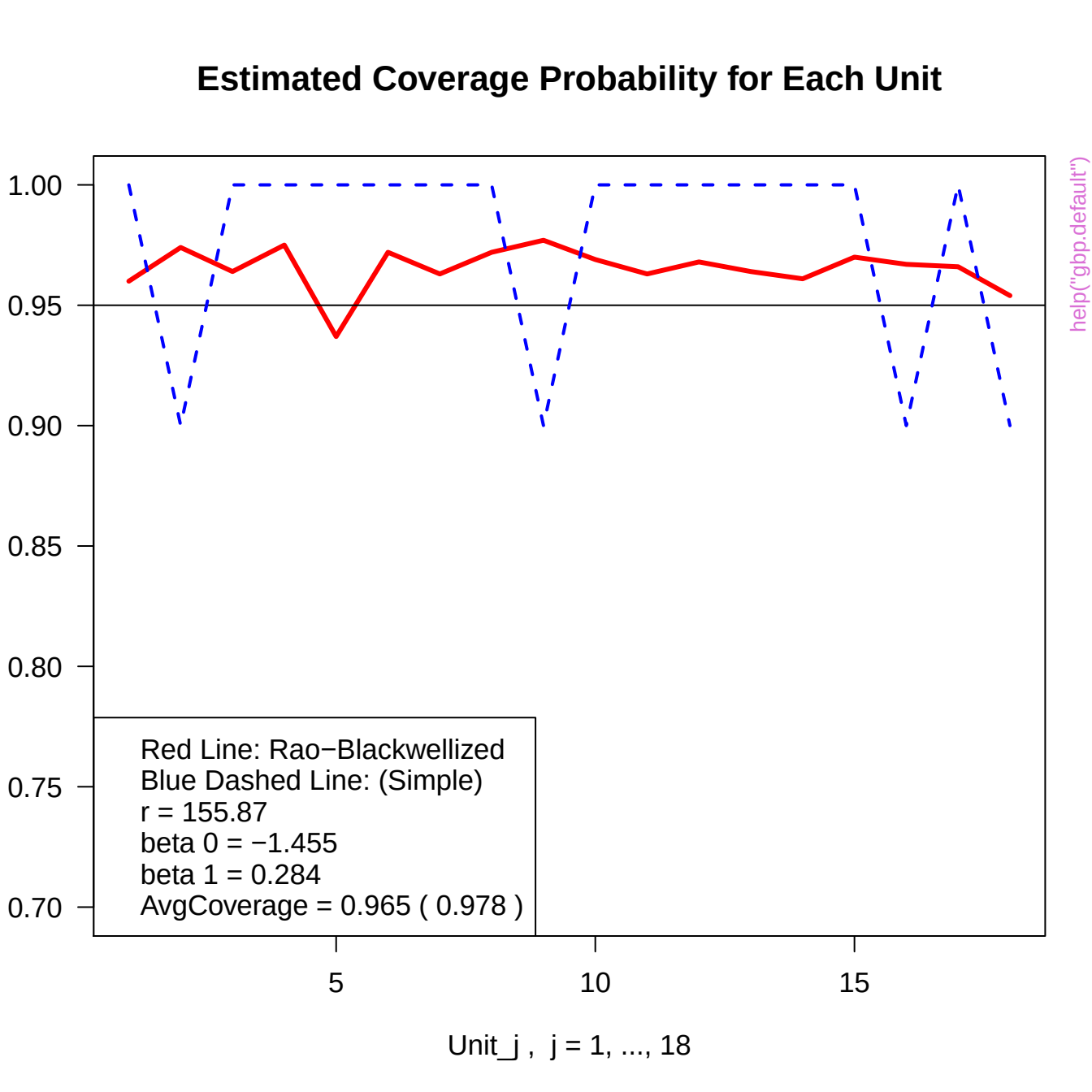

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.5
0.4
0.3
0.2
0.15
0.25
0.35
0.45
5
10
15
help("gbp.default")
ces (Groups) by the order of data i

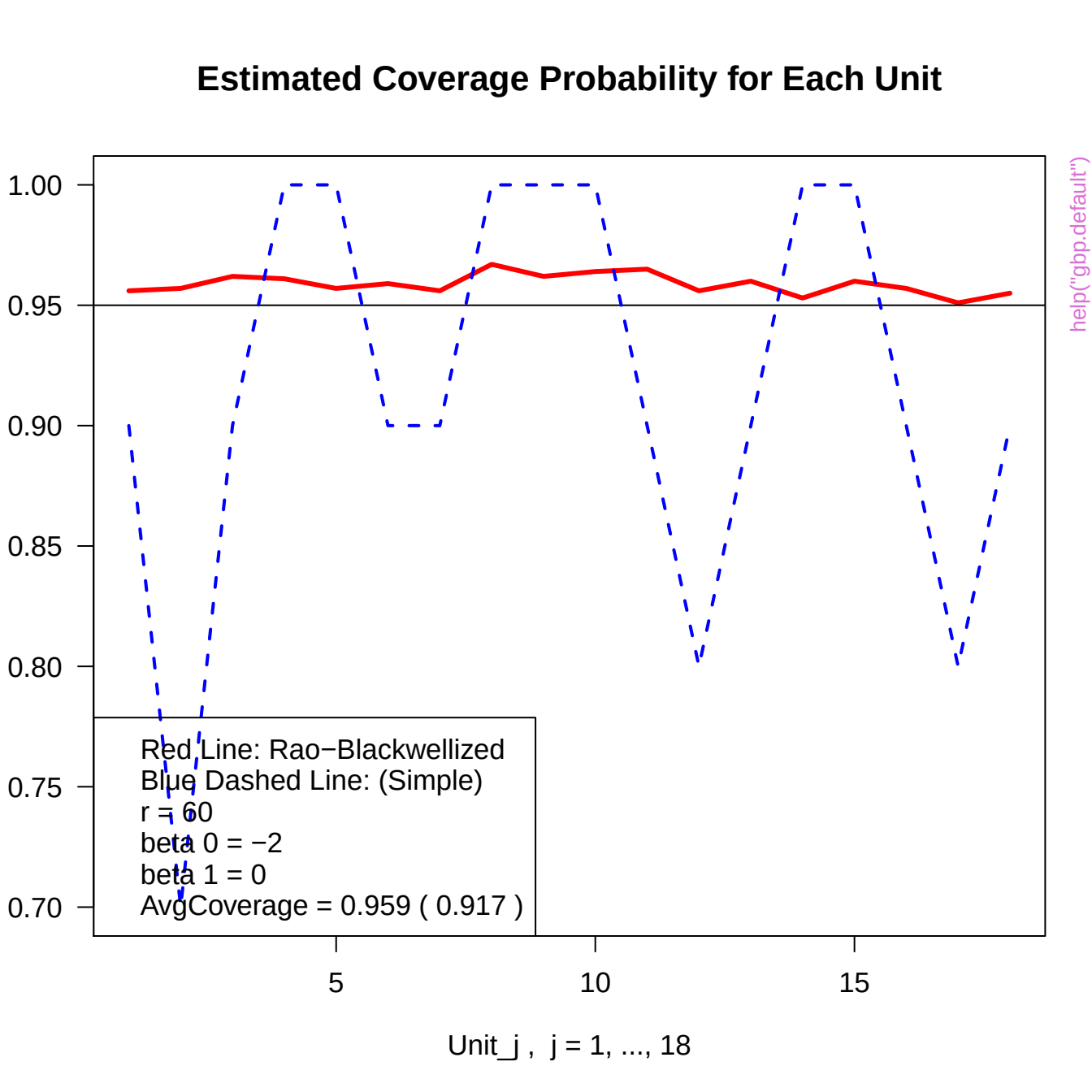

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 114.15
beta 0 = −1.319
AvgCoverage = 0.97 (0.944)
help("gbp.default")

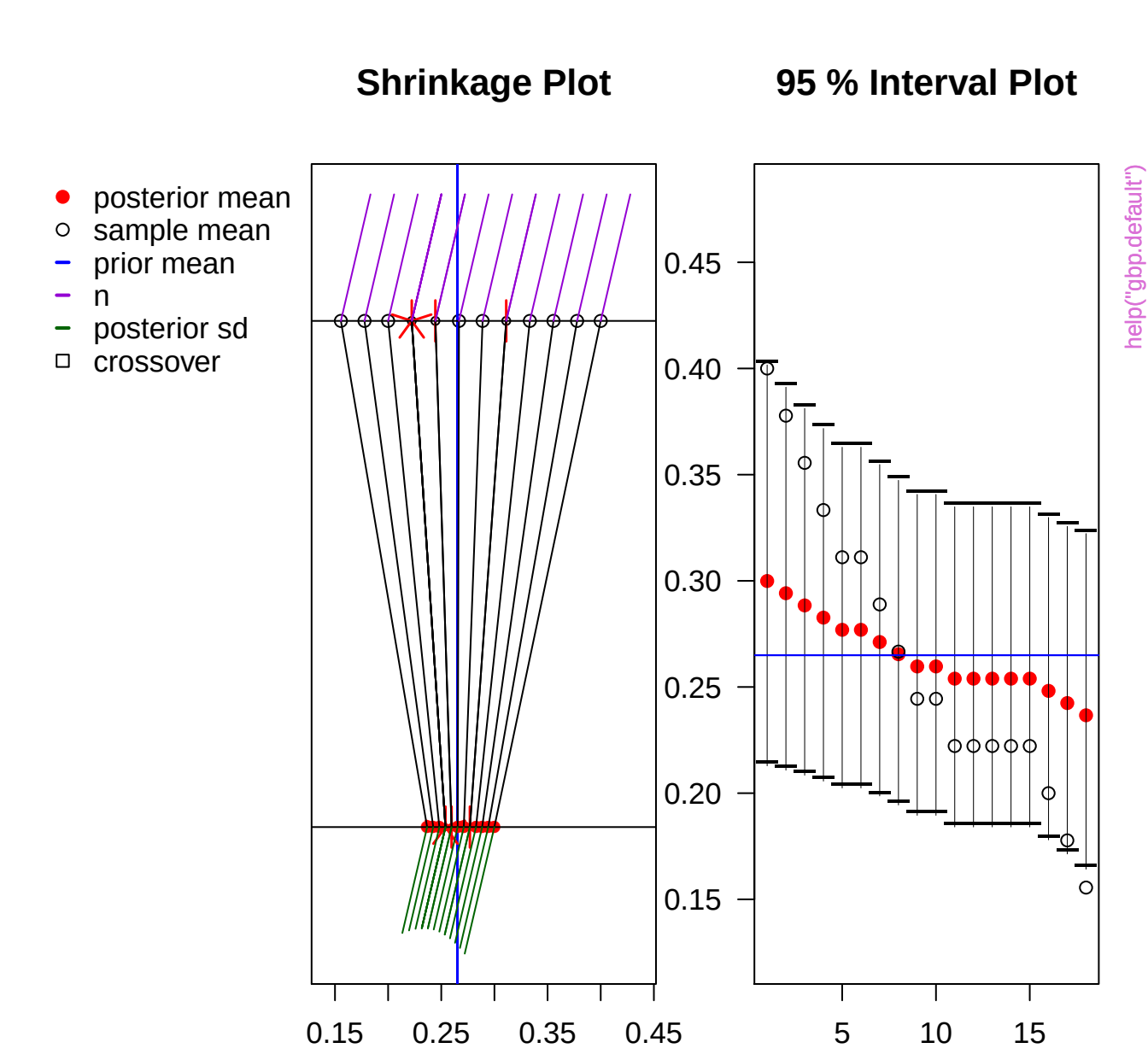

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −5
AvgCoverage = 0.966 (0.986)
5
10
15
Unit_j , j = 1, ..., 18
help("gbp.default")

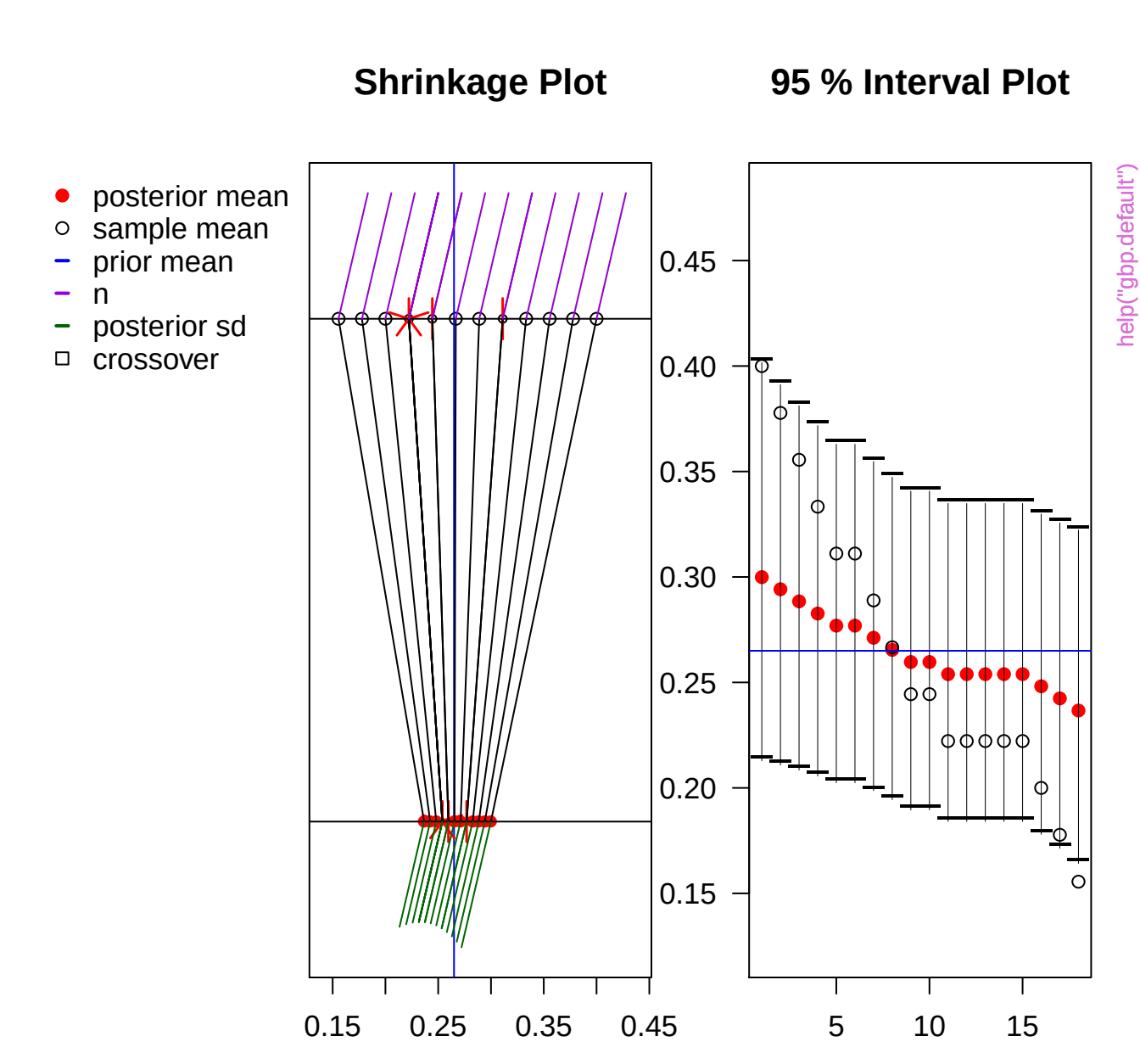

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.1
0.2
0.3
0.4
0.5
5
10
15
help("gbp.default")
its sorted by the increasing order o

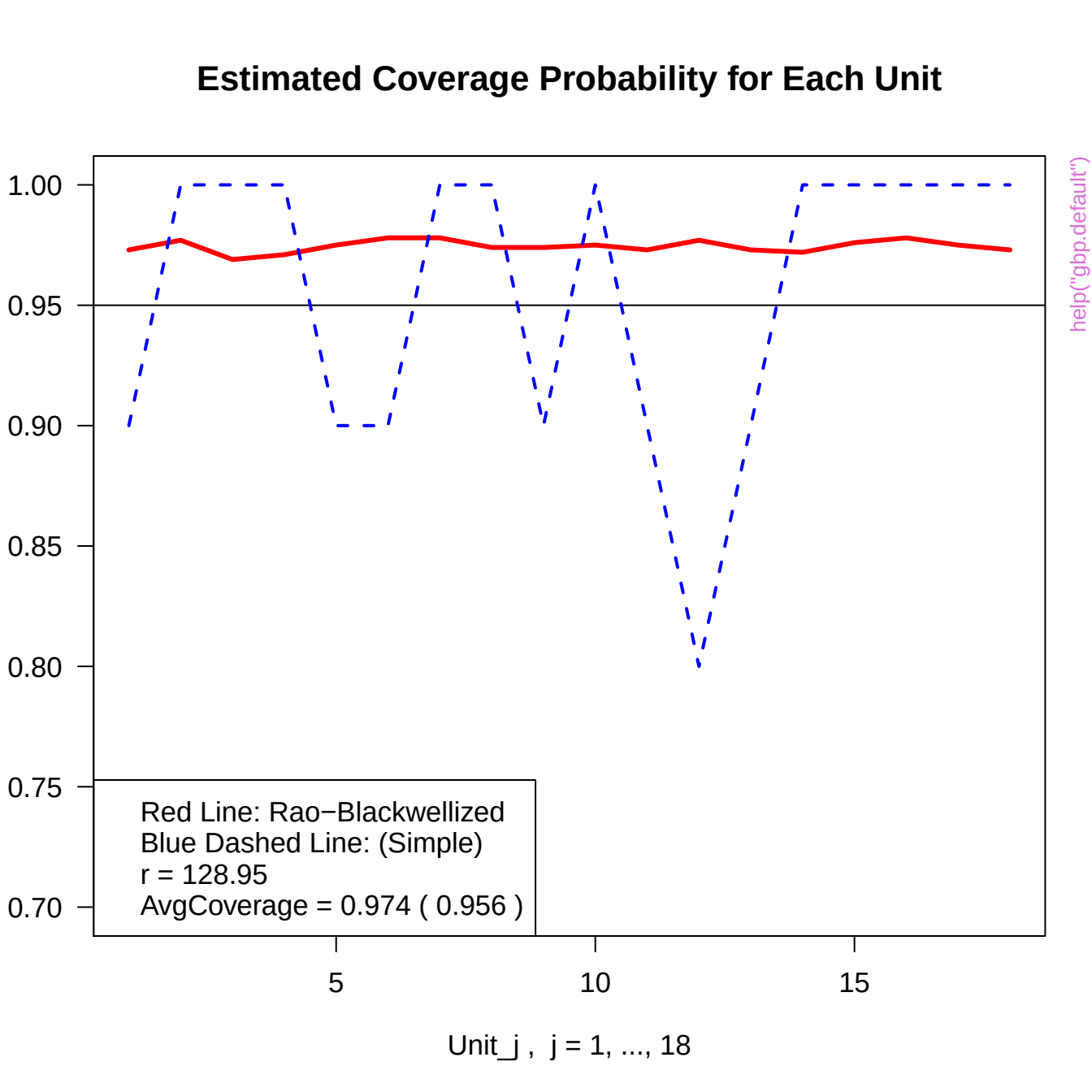

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.5
0.4
0.3
0.2
0.1
0.15
0.25
0.35
0.45
5
10
15
help("gbp.default")
ces (Groups) by the order of data i

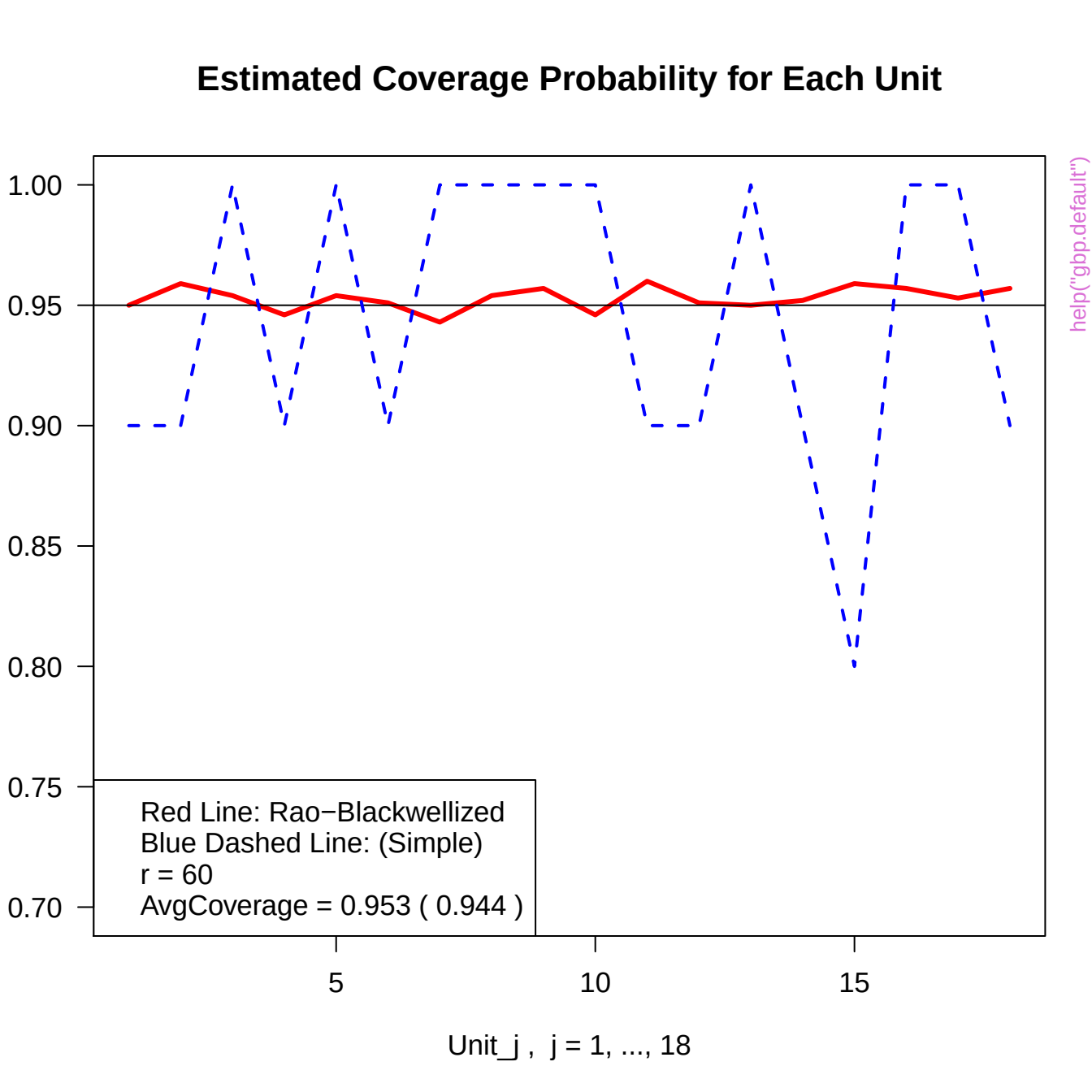

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 155.87
beta 0 = −1.455
beta 1 = 0.284
AvgCoverage = 0.965 (0.978)
help("gbp.default")

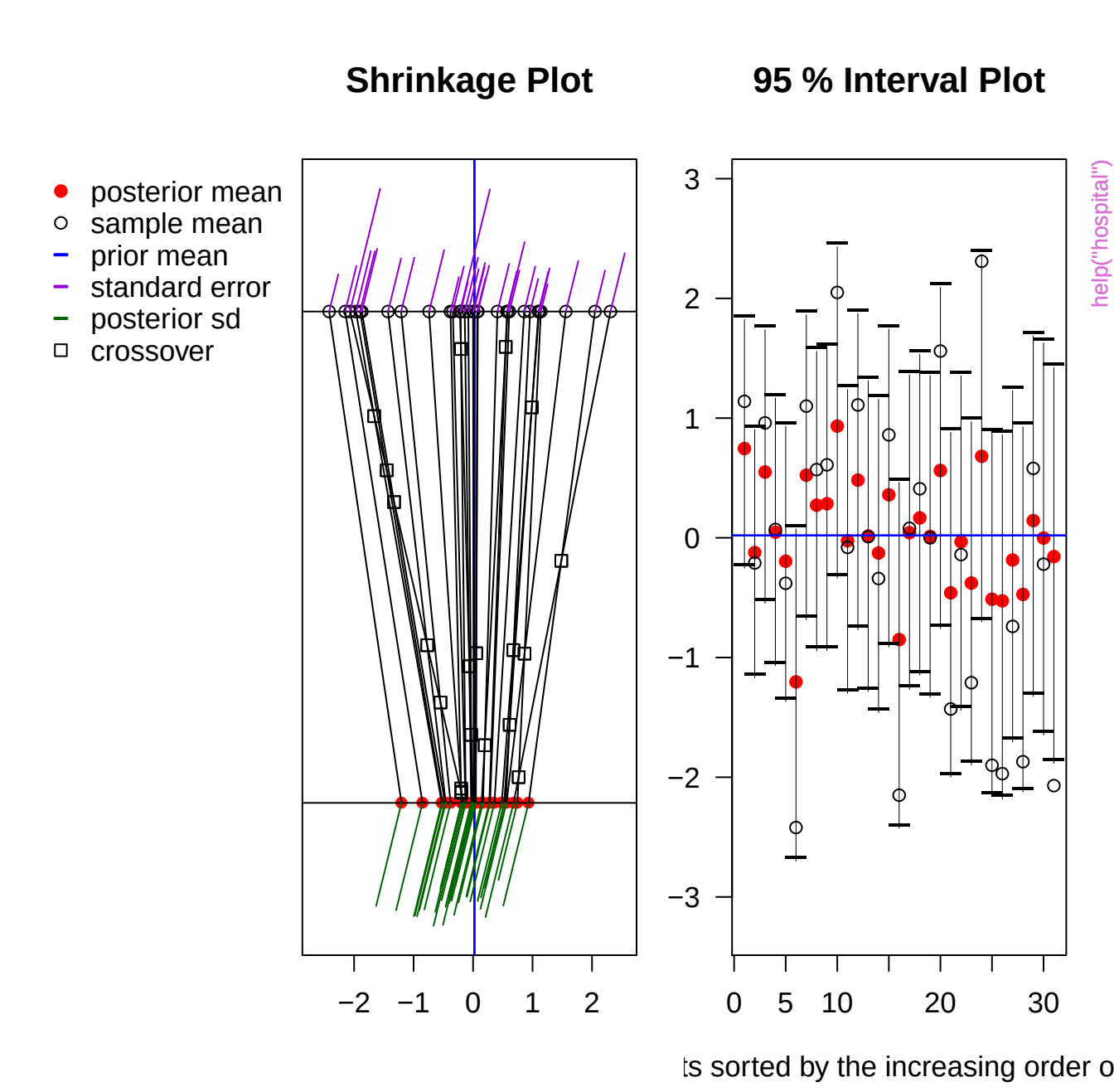

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
beta 0 = −2
beta 1 = 0
AvgCoverage = 0.959 (0.917)
help("gbp.default")

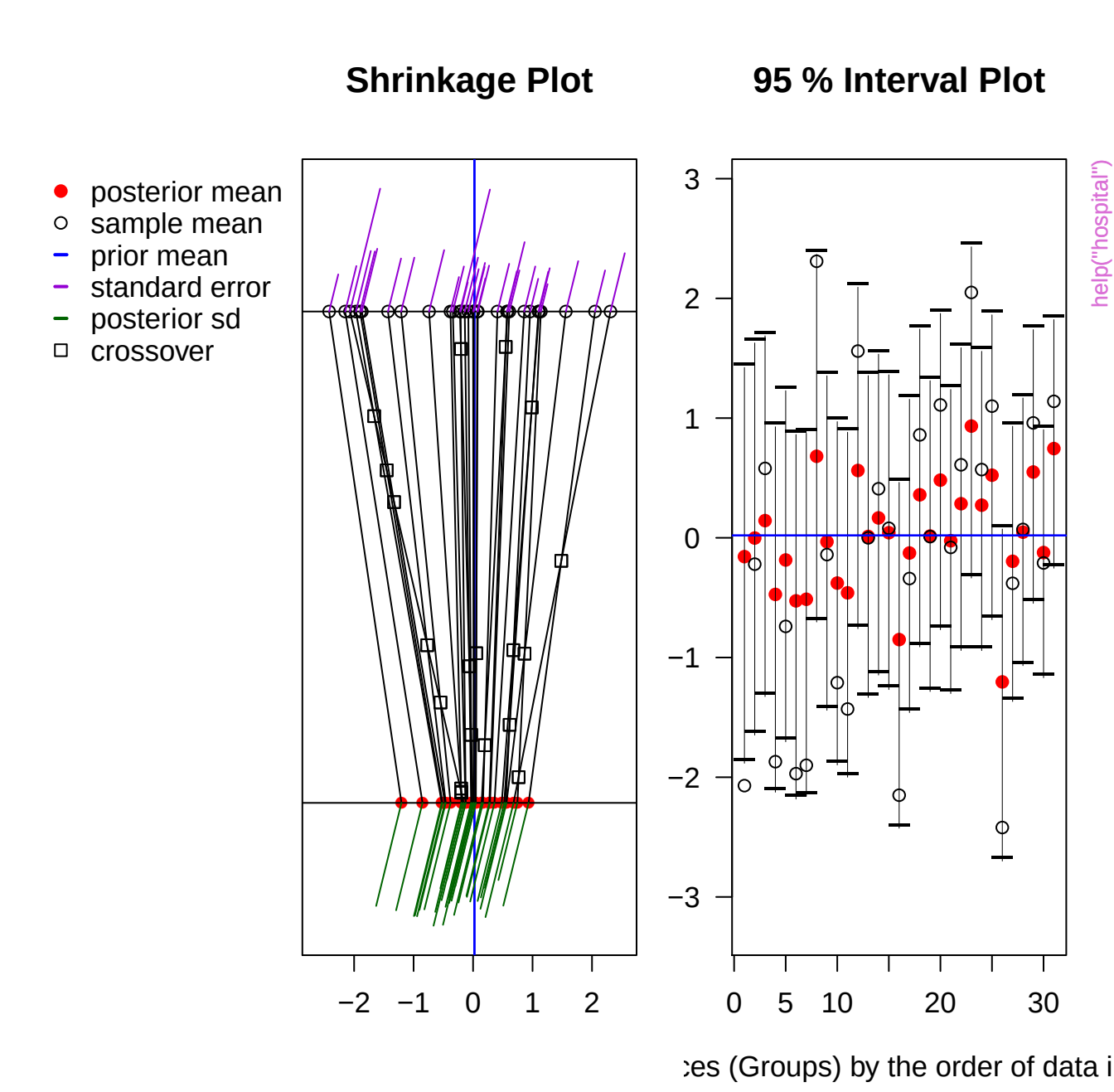

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("gbp.default")
its sorted by the increasing order o

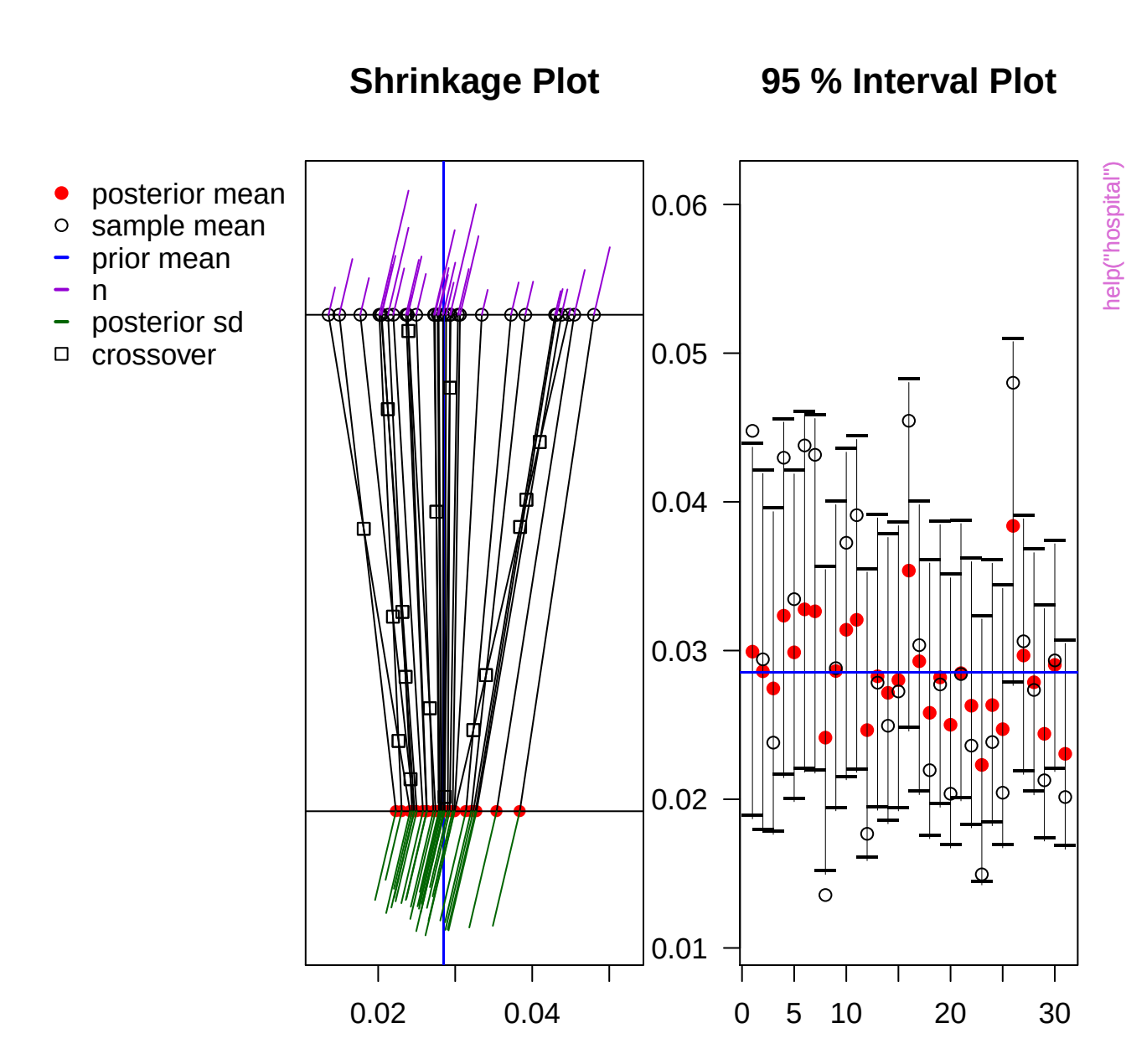

Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.15
0.25
0.35
0.45
5
10
15
help("gbp.default")
ces (Groups) by the order of data i


Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 128.95
AvgCoverage = 0.974 (0.956)
help("gbp.default")


Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Simple)
r = 60
AvgCoverage = 0.953 (0.944)
help("gbp.default")


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
−2
−1
0
1
2
3
2
1
0
−1
−2
−3
0
5
10
20
30
help("hospital")
ts sorted by the increasing order o


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
−2
−1
0
1
2
3
0
5
10
20
30
help("hospital")
ces (Groups) by the order of data i


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
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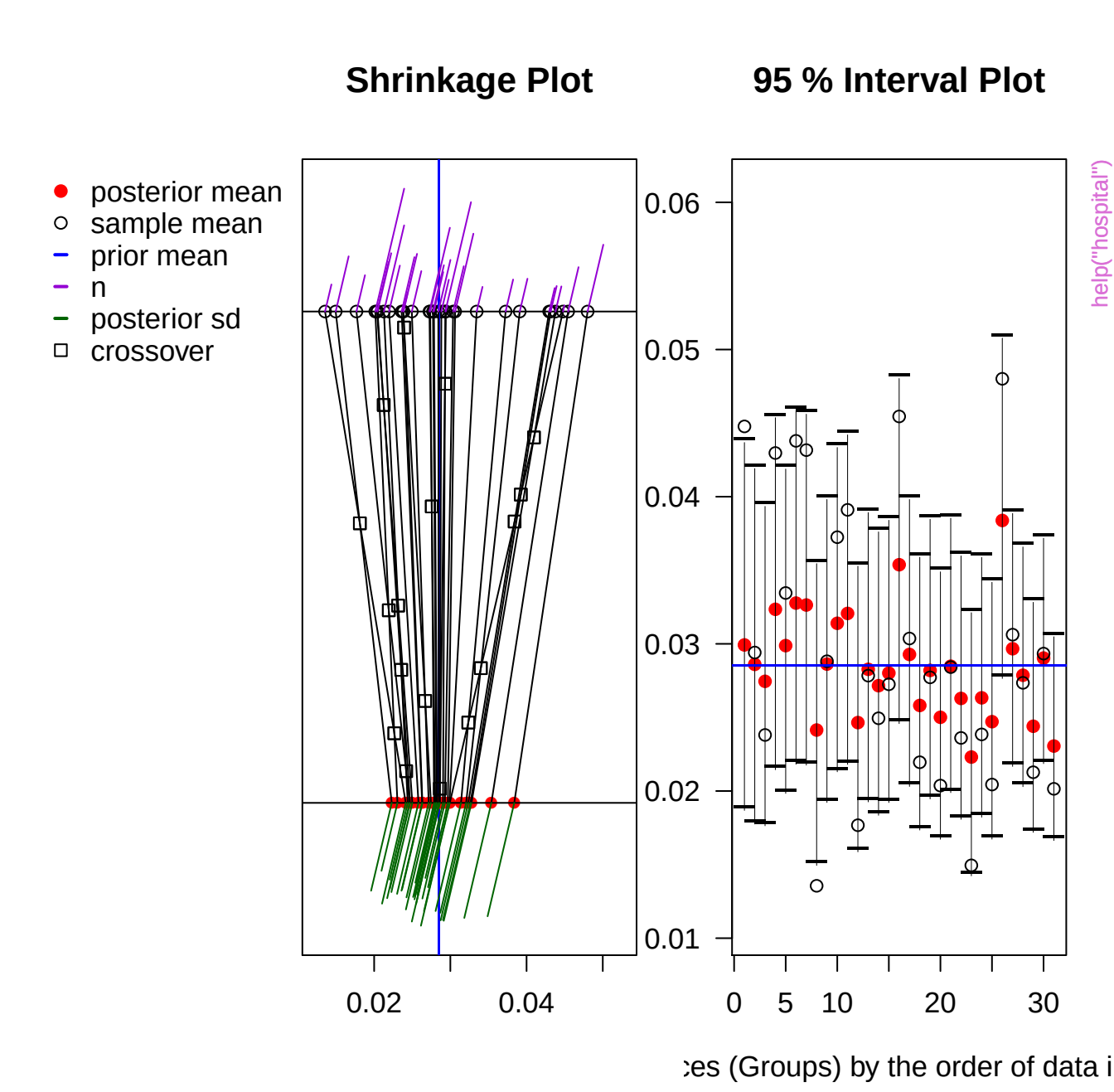
help("hospital")
its sorted by the increasing order


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
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crossover
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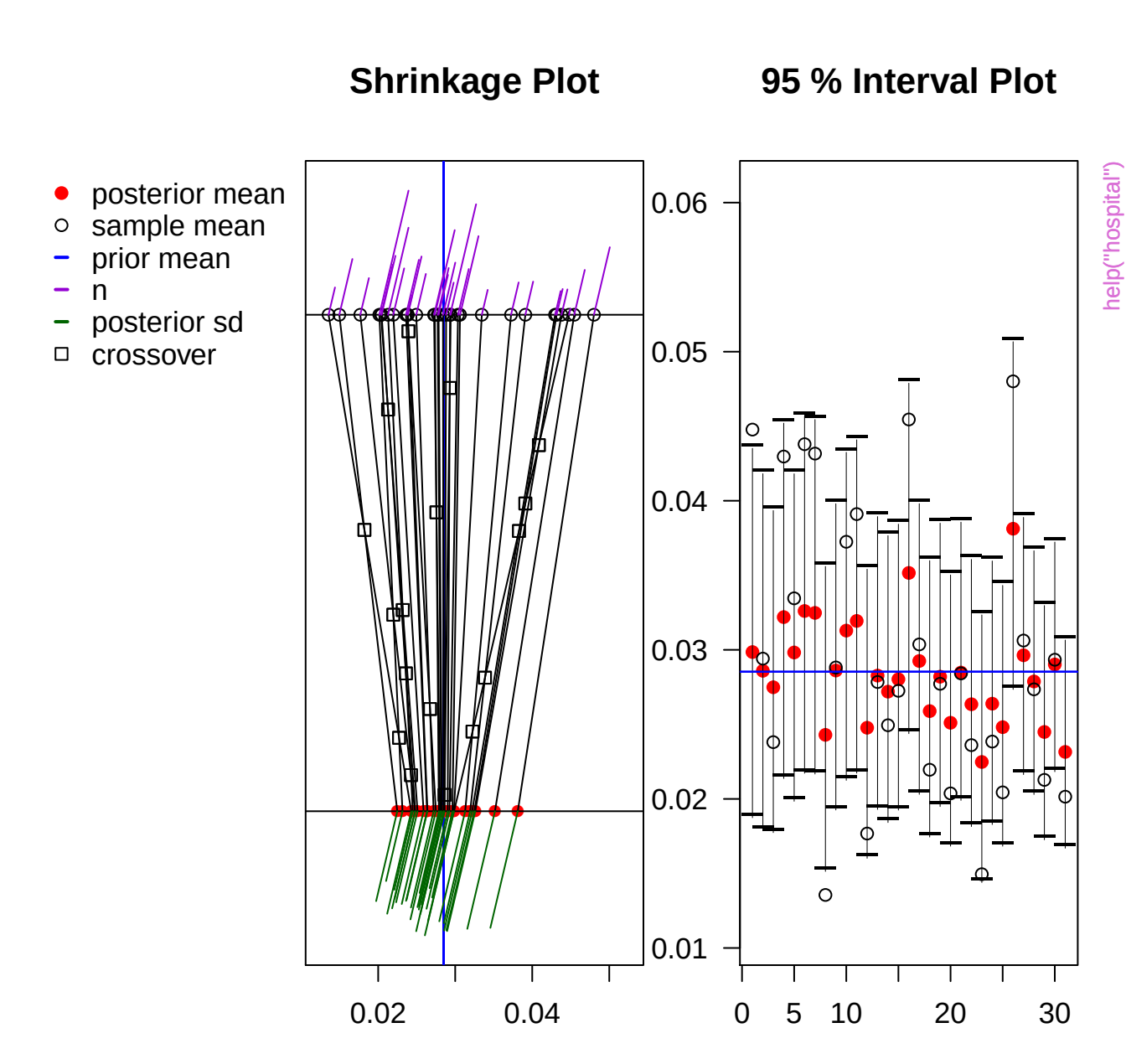
help("hospital")
ces (Groups) by the order of data i


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
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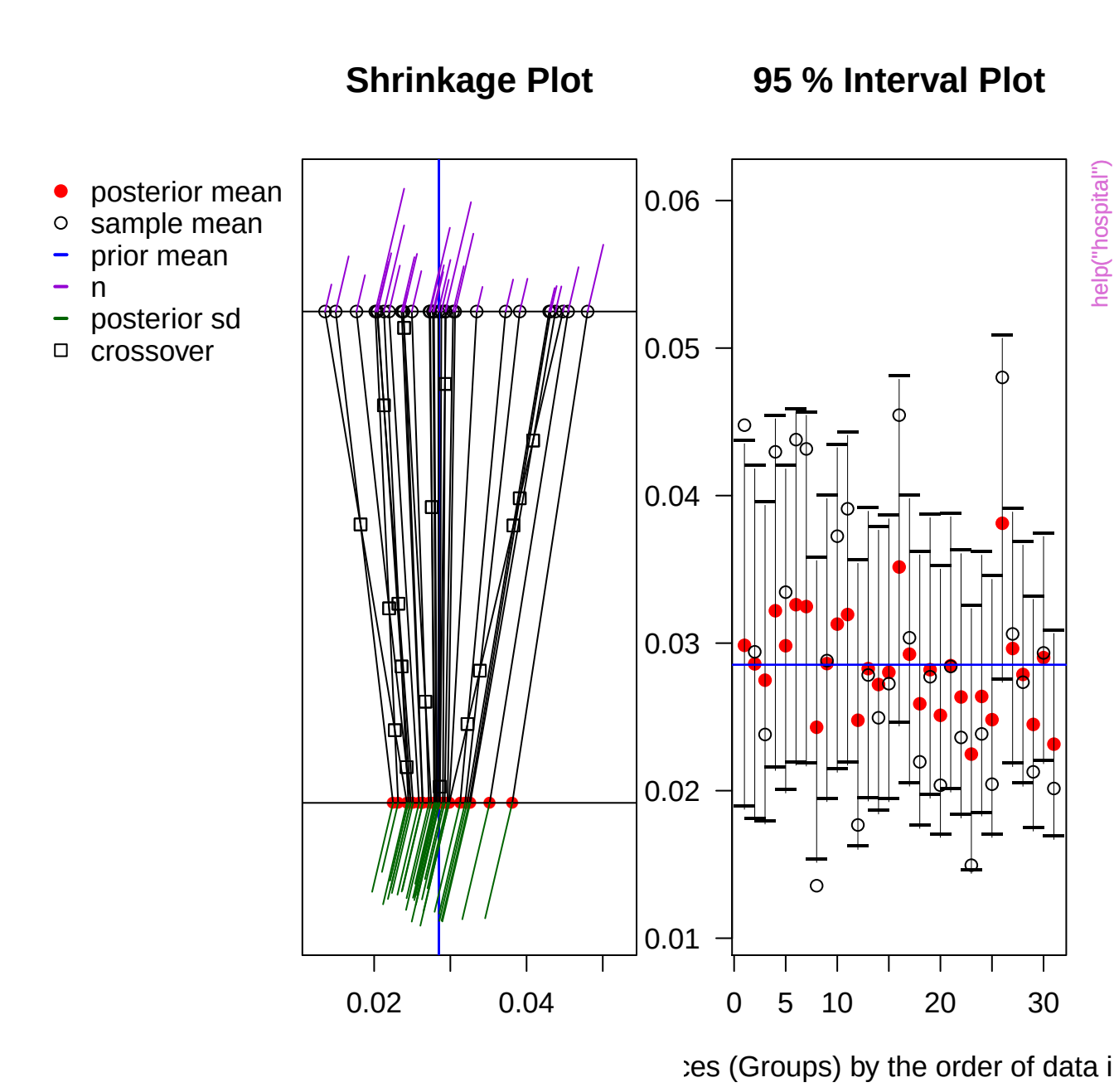
help("hospital")
its sorted by the increasing order


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
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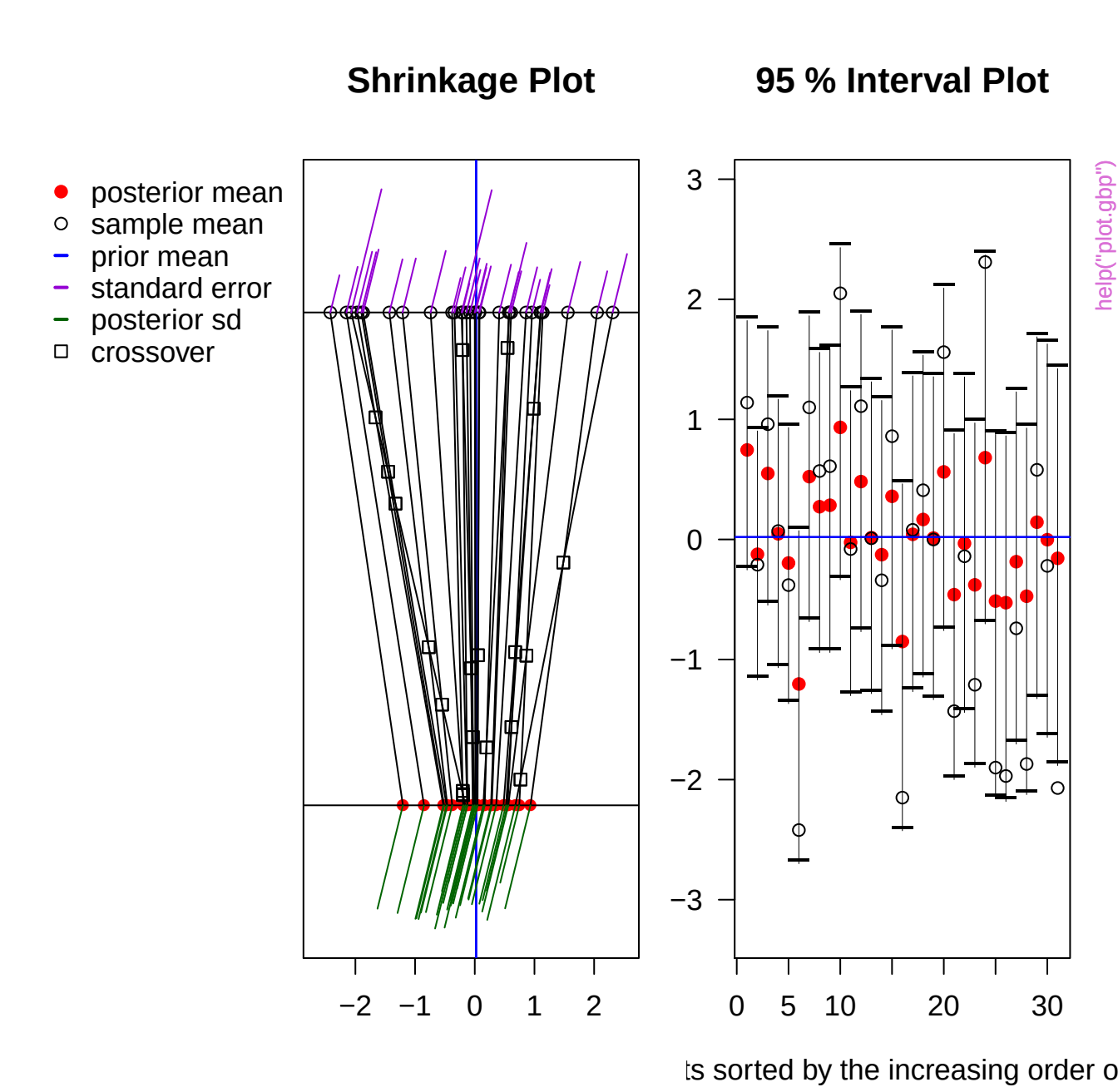
help("hospital")
ces (Groups) by the order of data i


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
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posterior sd
crossover
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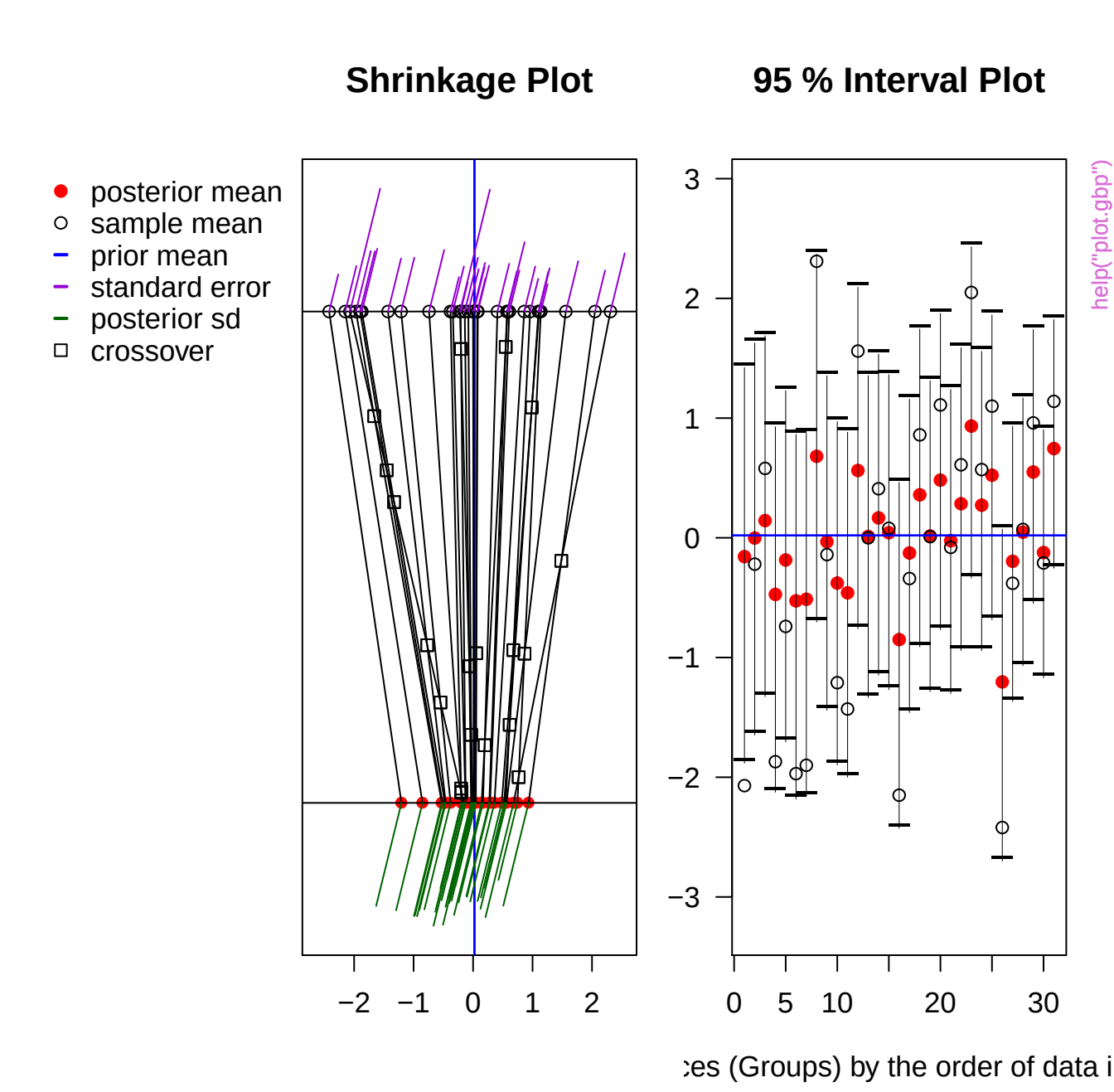
help("plot.gbp")
ts sorted by the increasing order o


Shrinkage Plot
95 % Interval Plot
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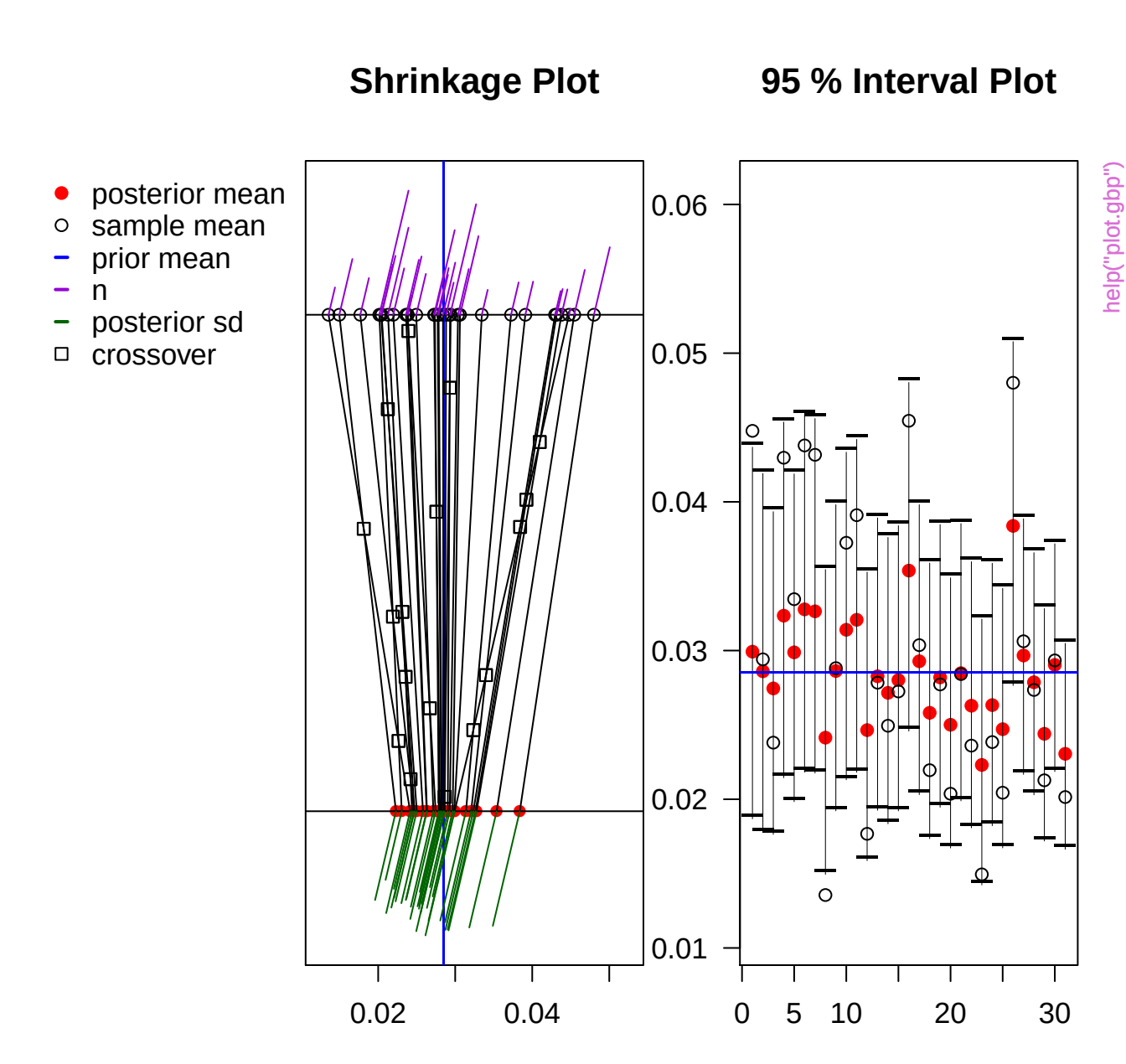
help("plot.gbp")
ces (Groups) by the order of data i


Shrinkage Plot
95 % Interval Plot
posterior mean
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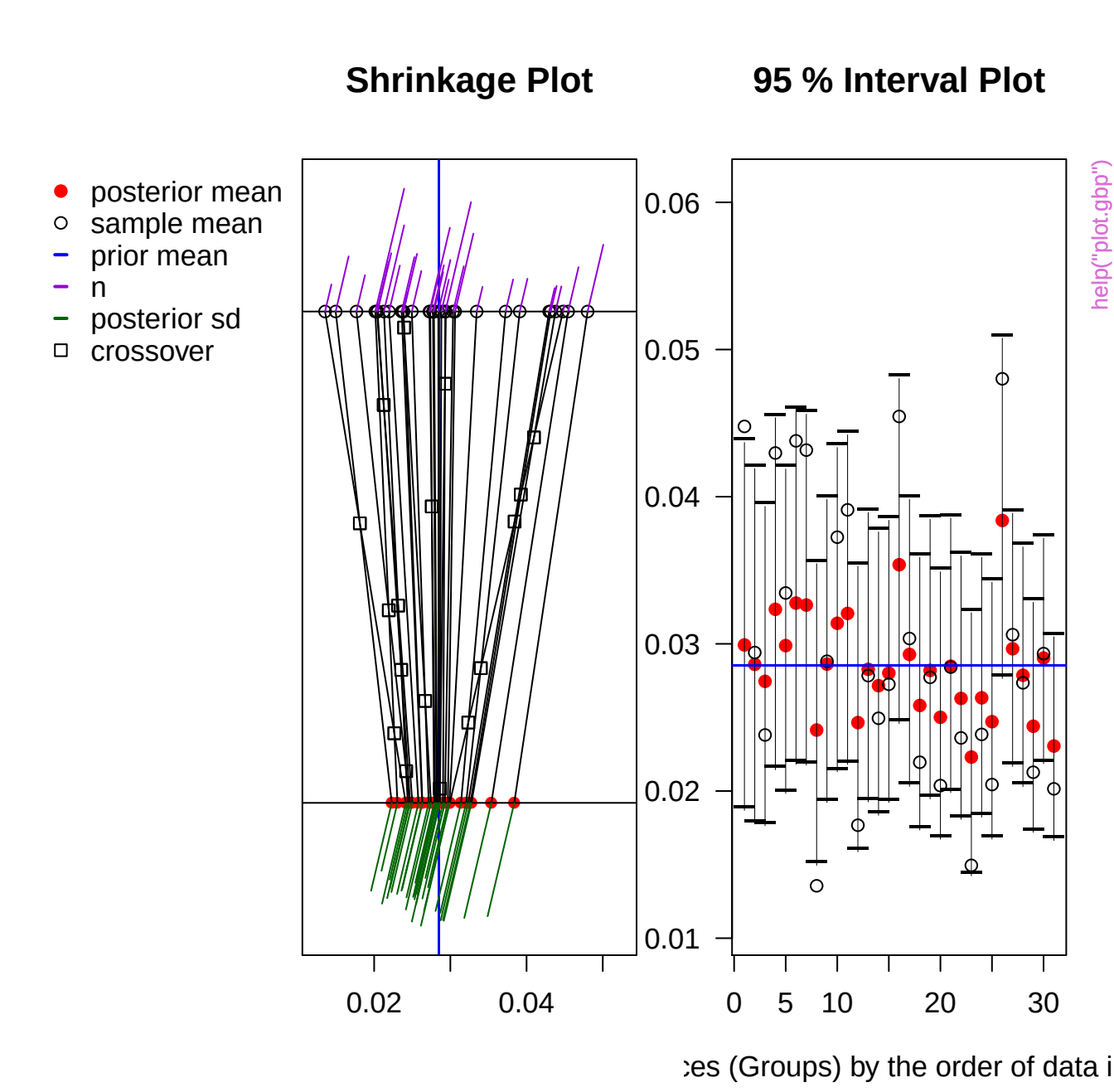
its sorted by the increasing order
help("plot.gbp")


Shrinkage Plot
95 % Interval Plot
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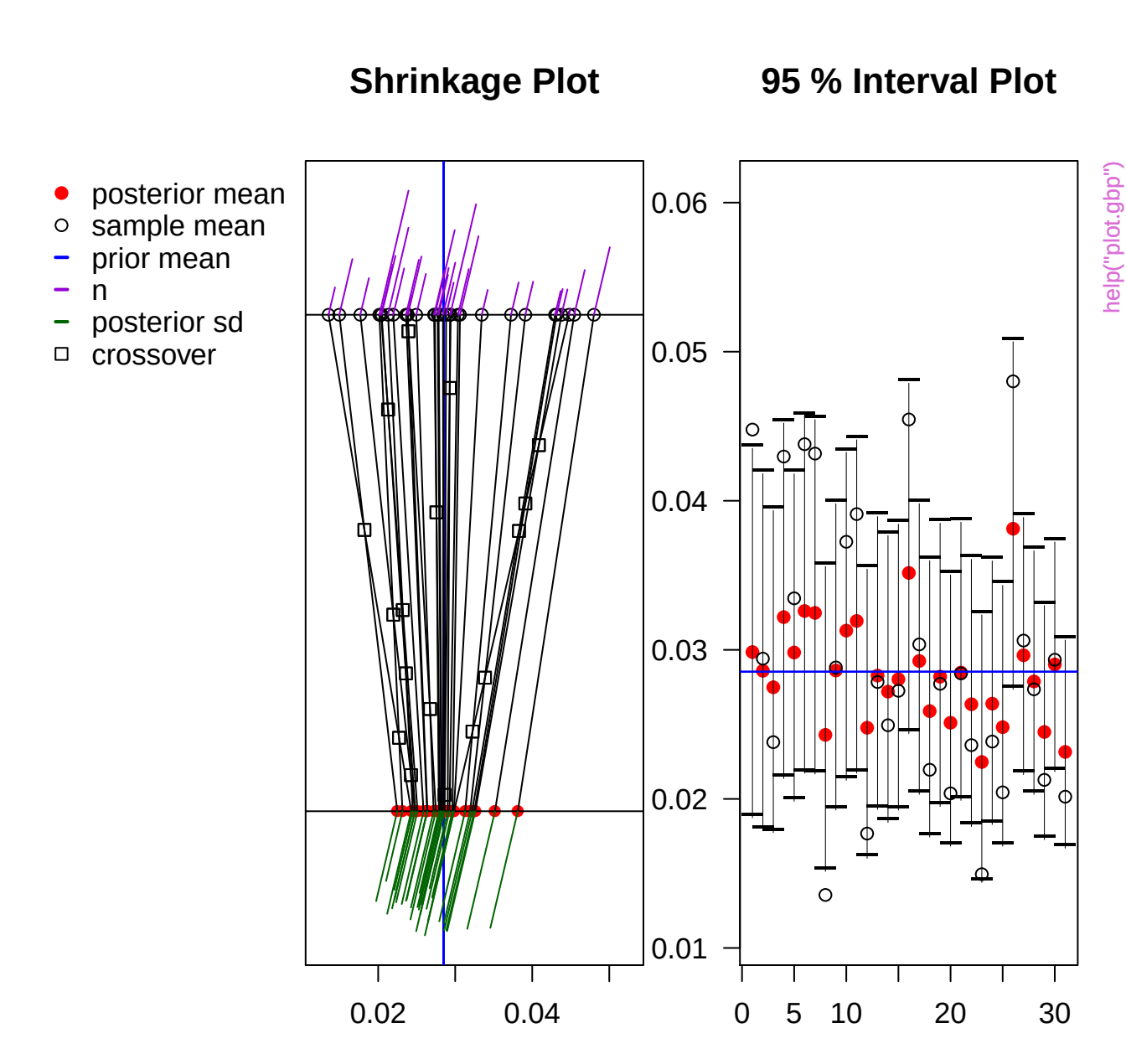
help("plot.gbp")
ces (Groups) by the order of data i


Shrinkage Plot
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posterior mean
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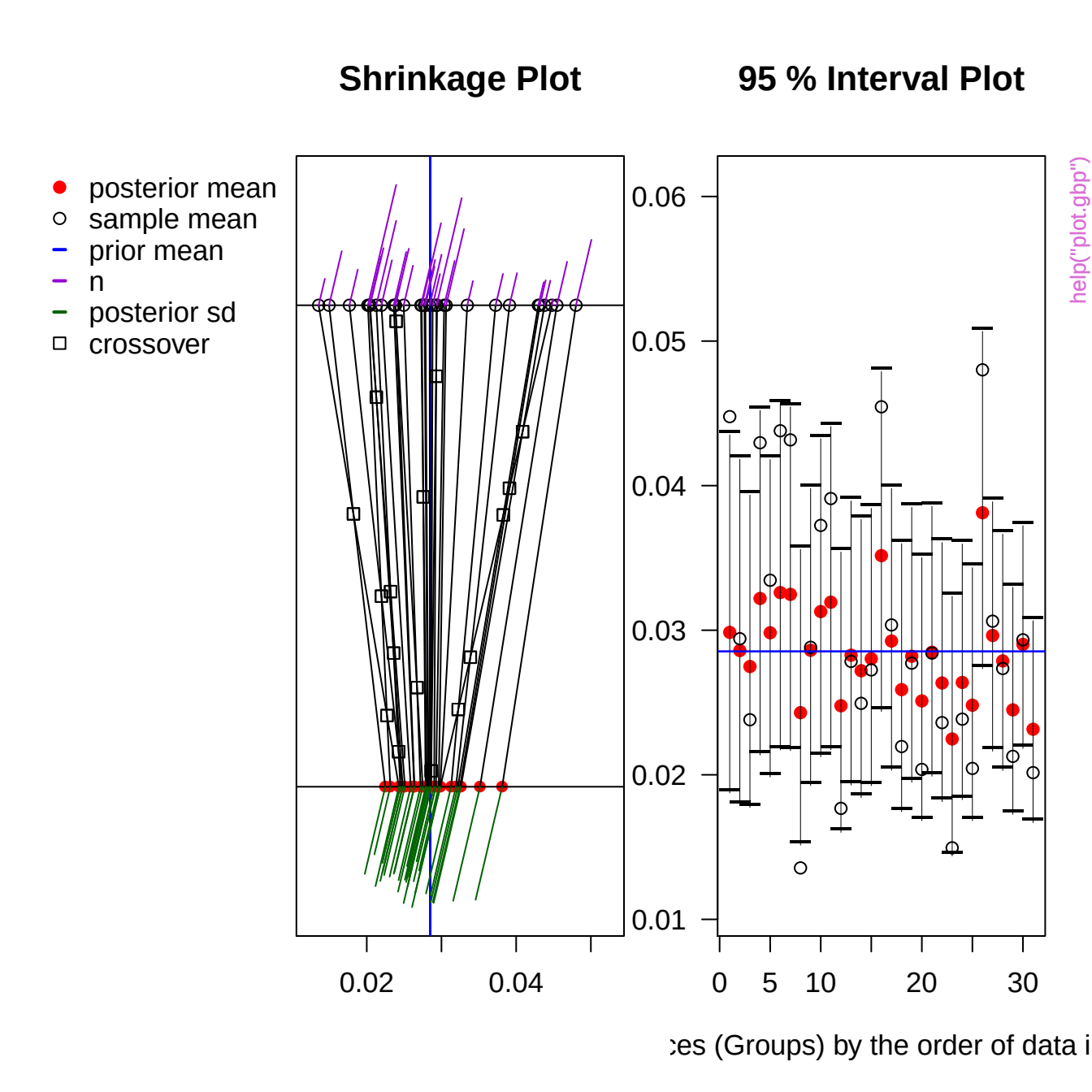
its sorted by the increasing order
help("plot.gbp")


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
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posterior sd
crossover
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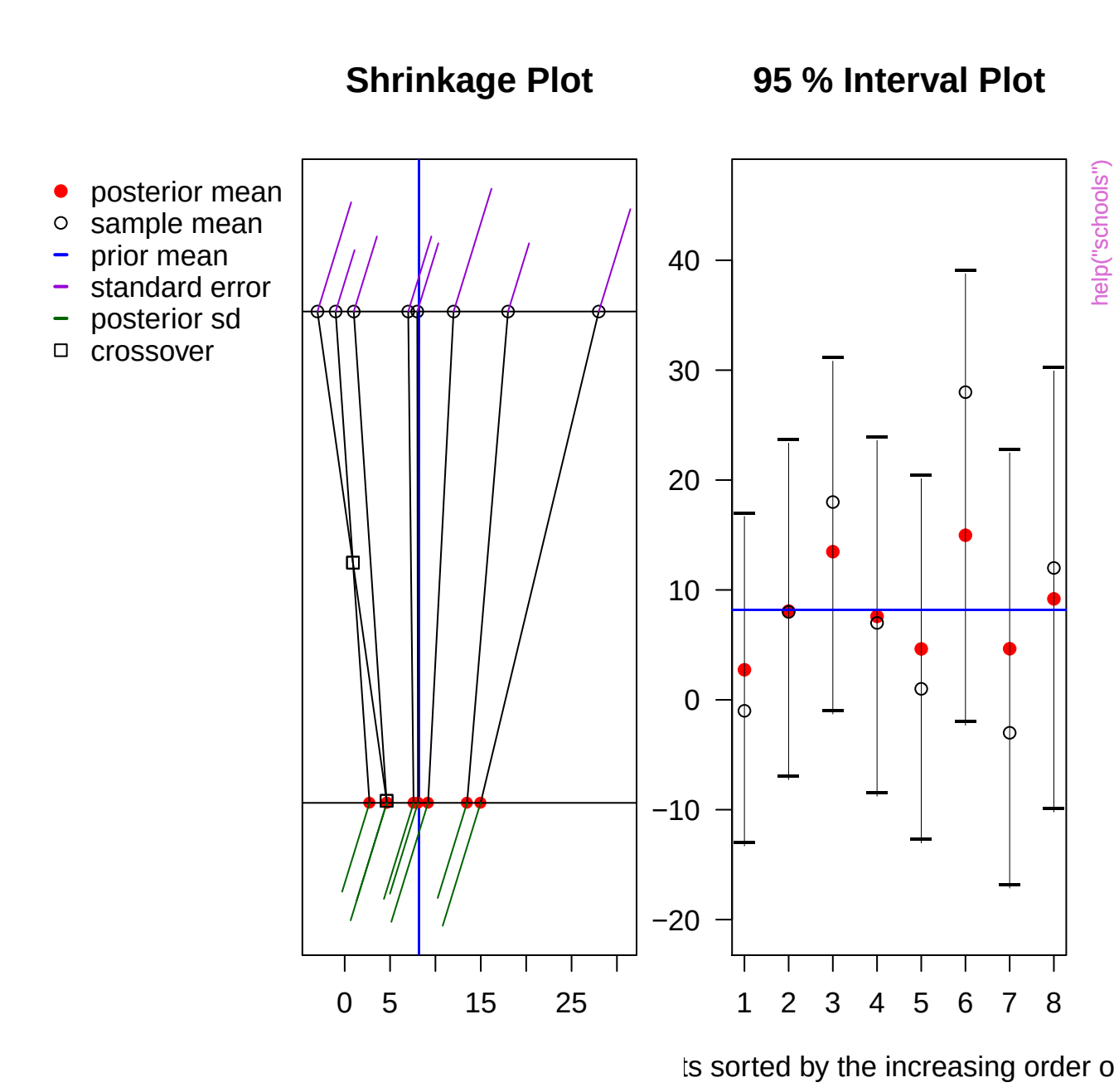
help("plot.gbp")
ces (Groups) by the order of data i


Shrinkage Plot
95 % Interval Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
help("schools")
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ts sorted by the increasing order o