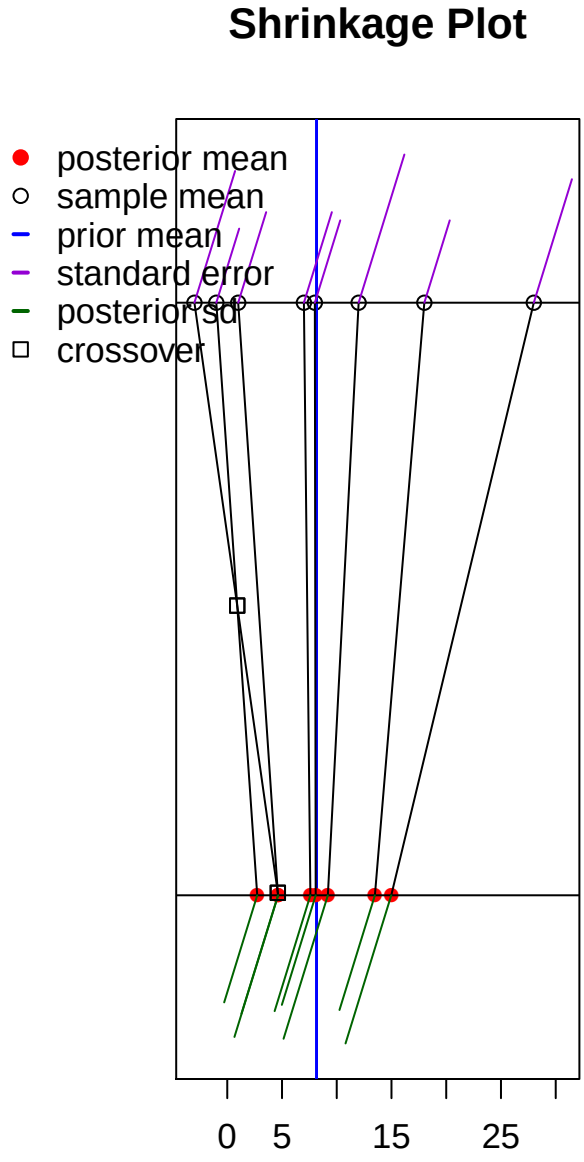
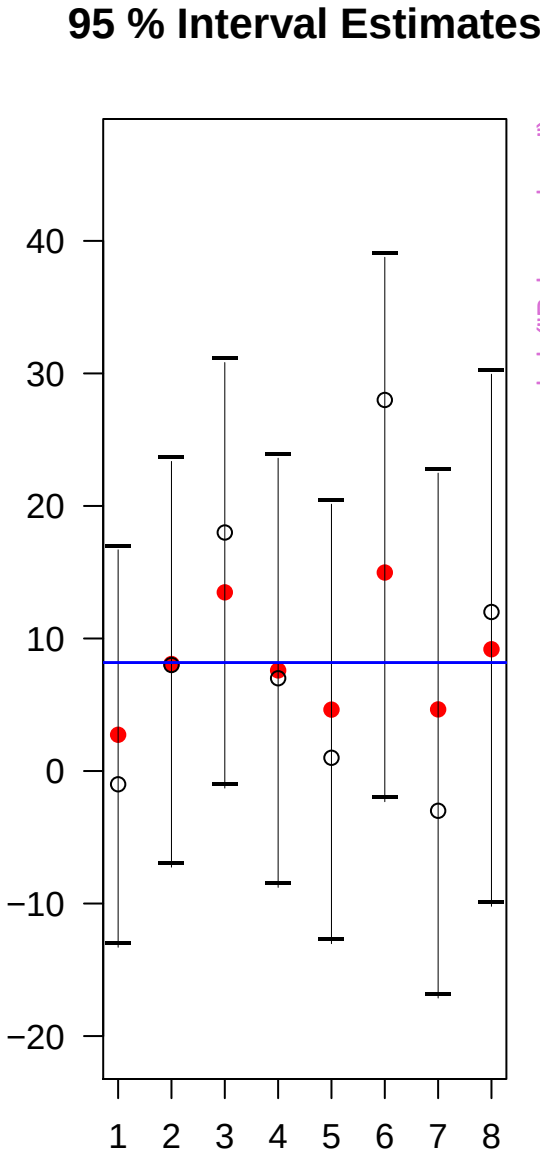
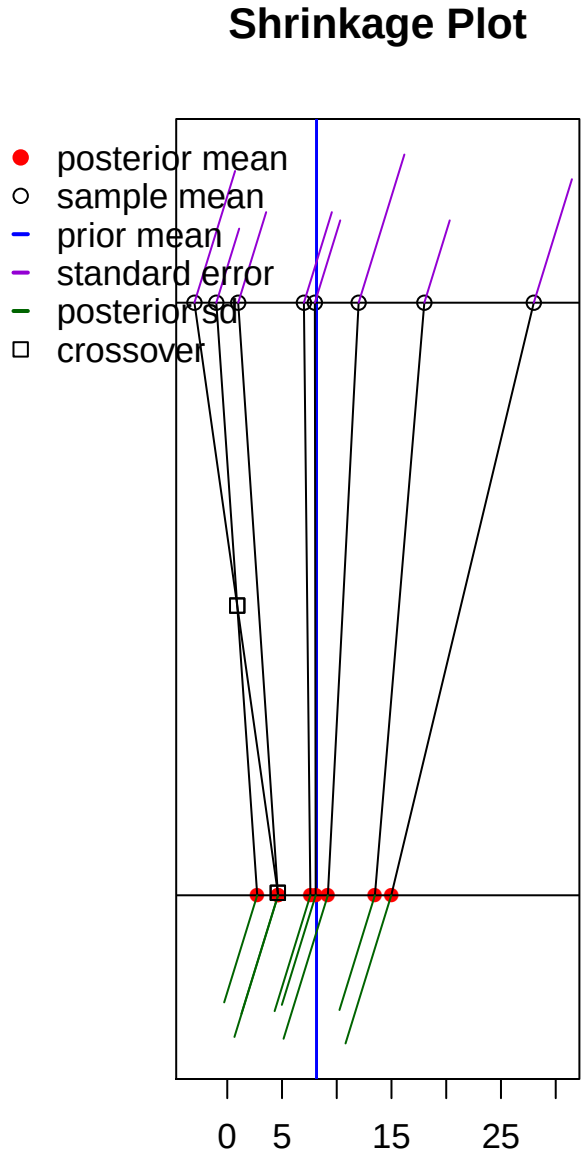
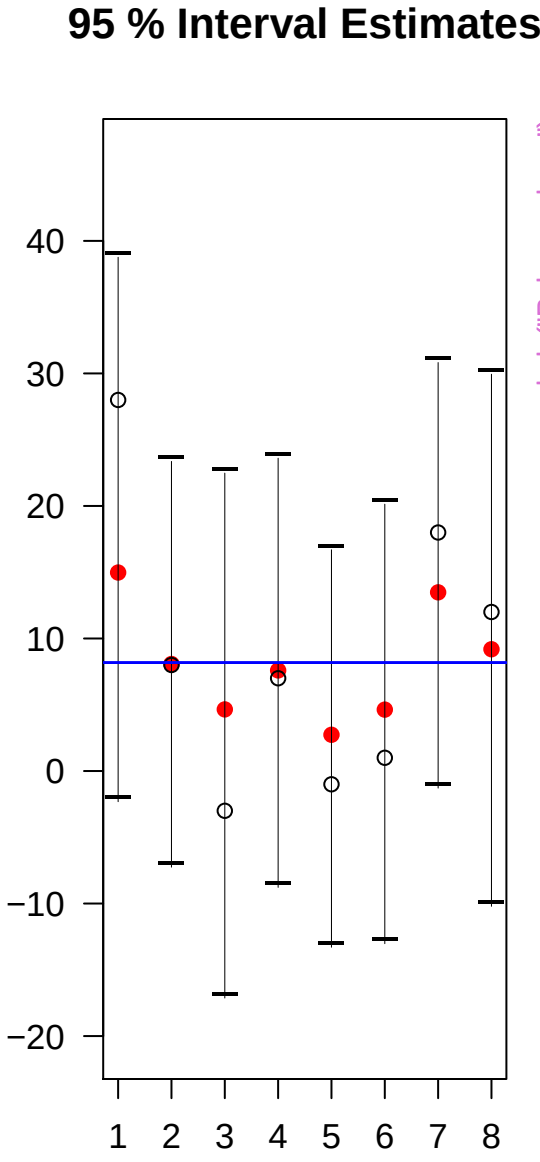


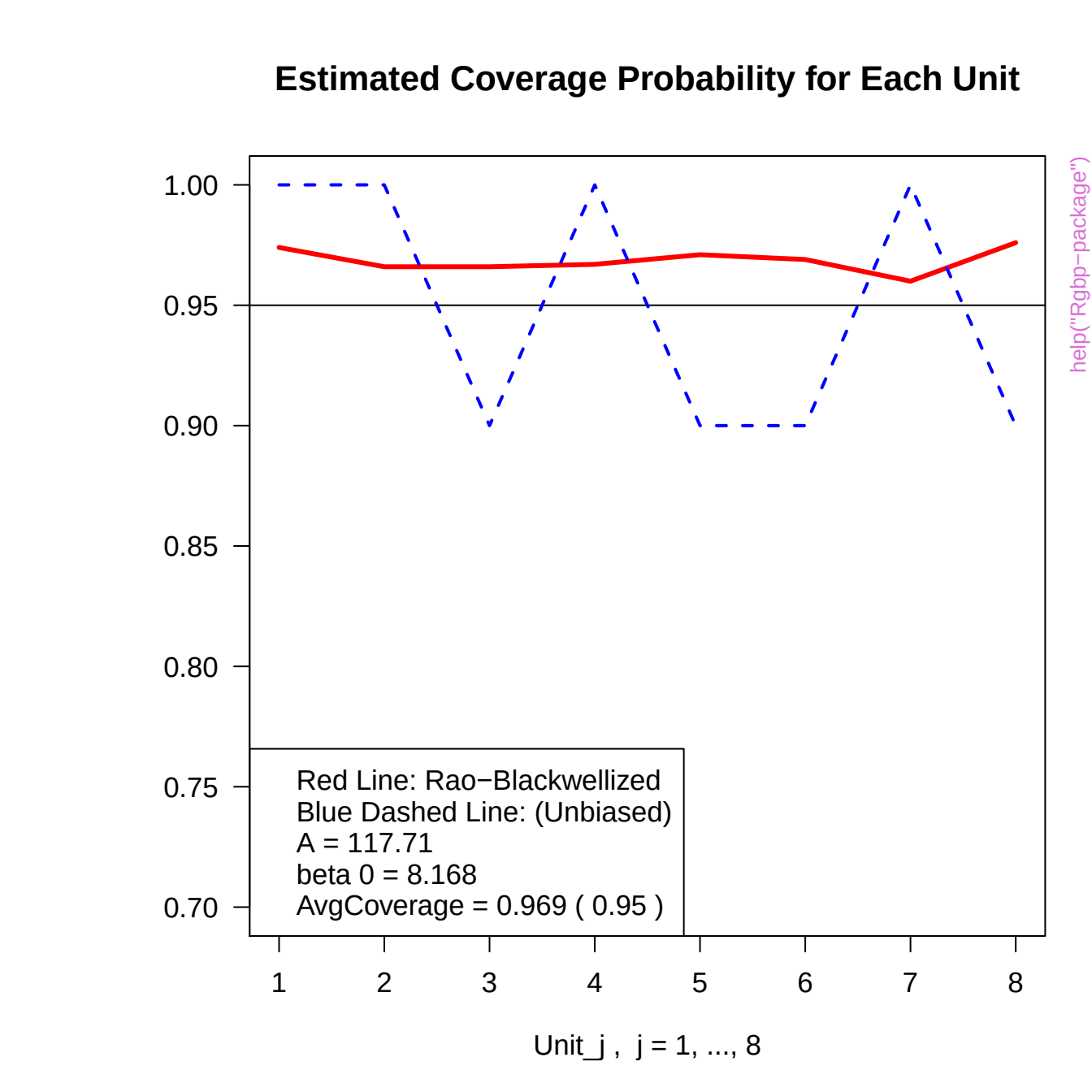


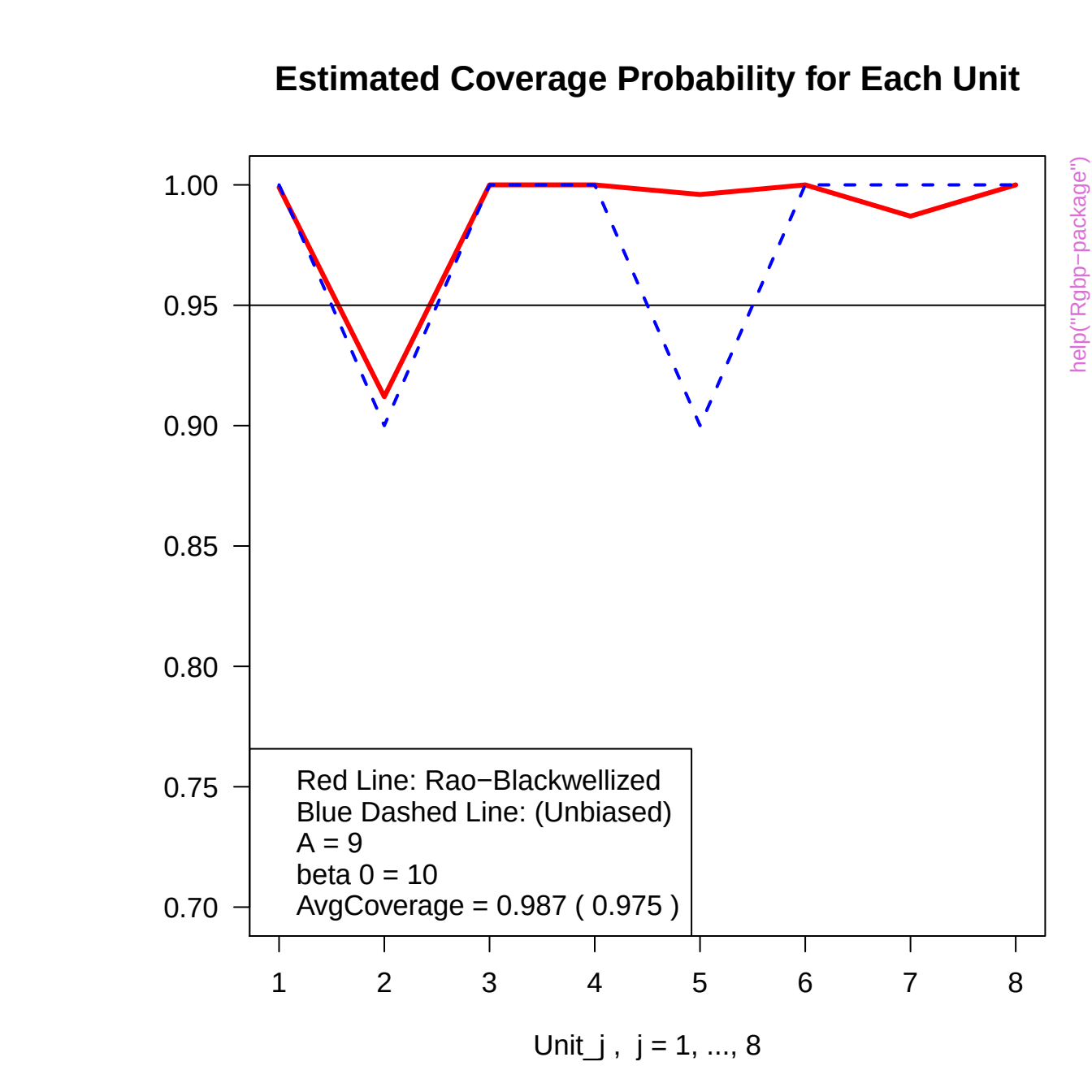
Units sorted by the increasing order o



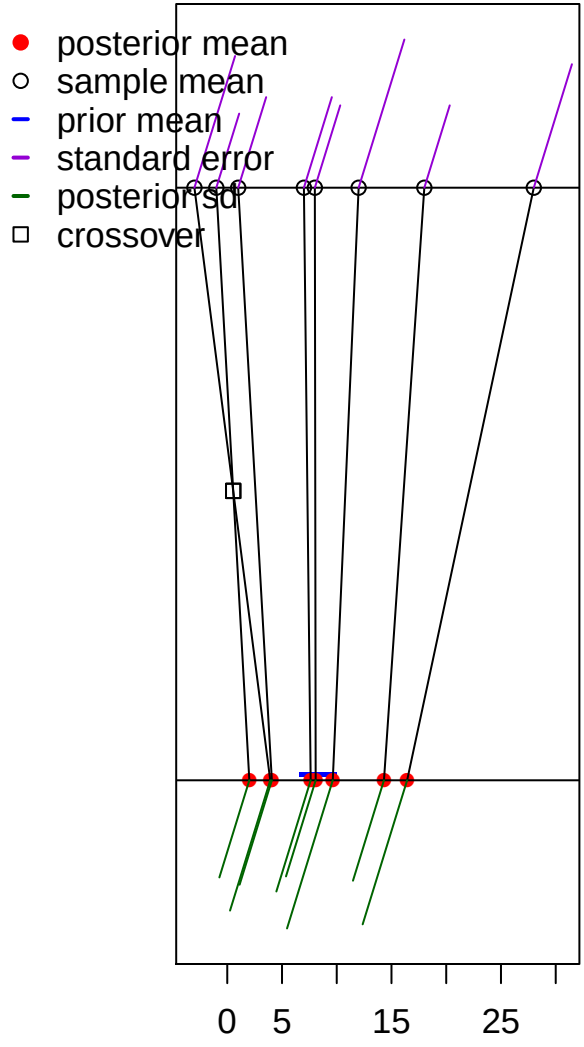


ndices (Groups) by the order of data i

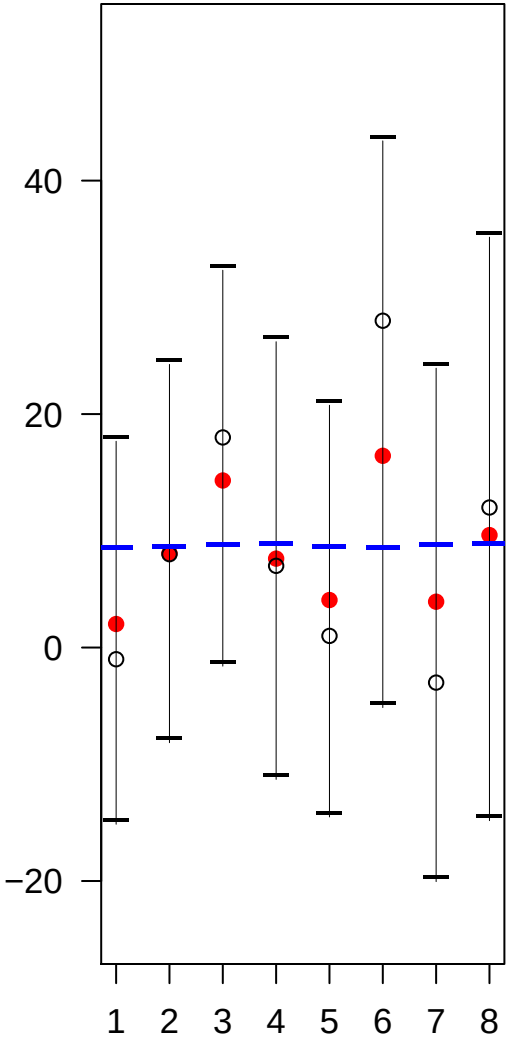

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 117.71
beta 0 = 8.168
AvgCoverage = 0.969 (0.95)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")


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: (Unbiased)
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

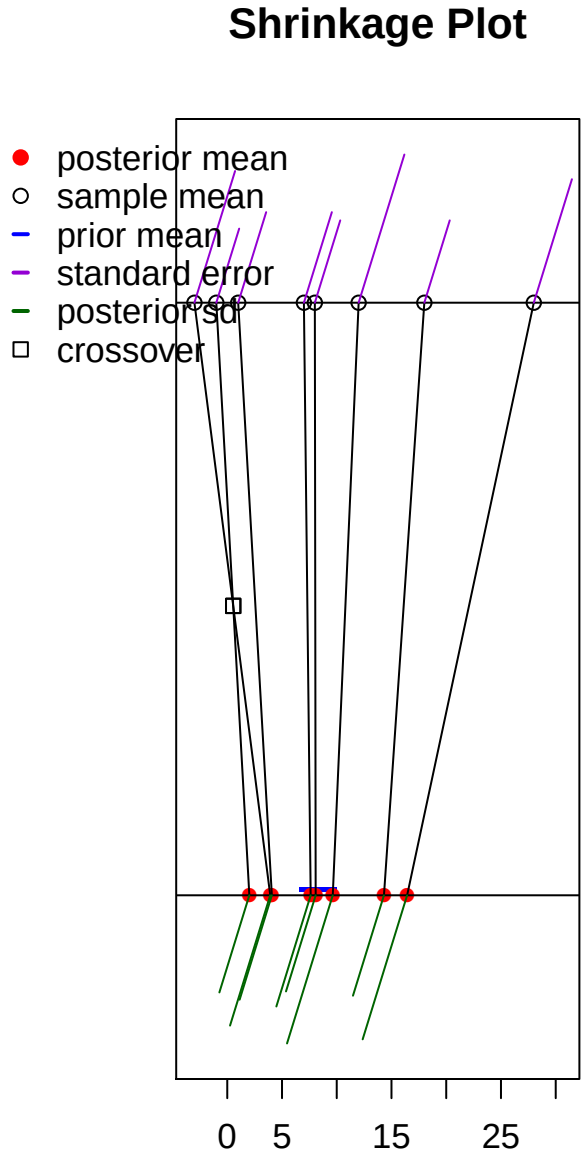


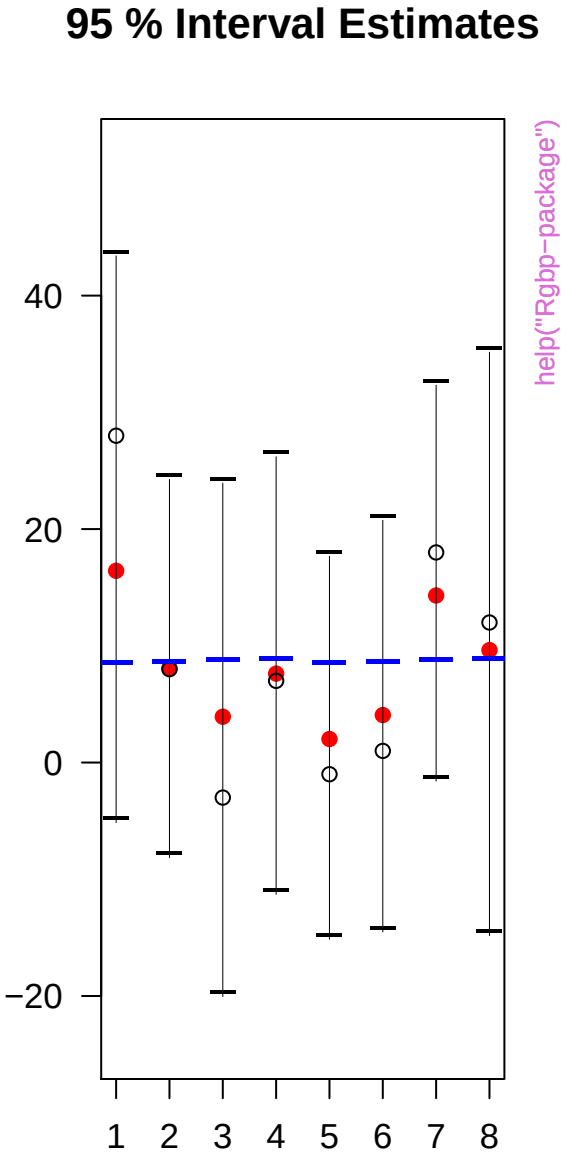
95 % Interval Estimates



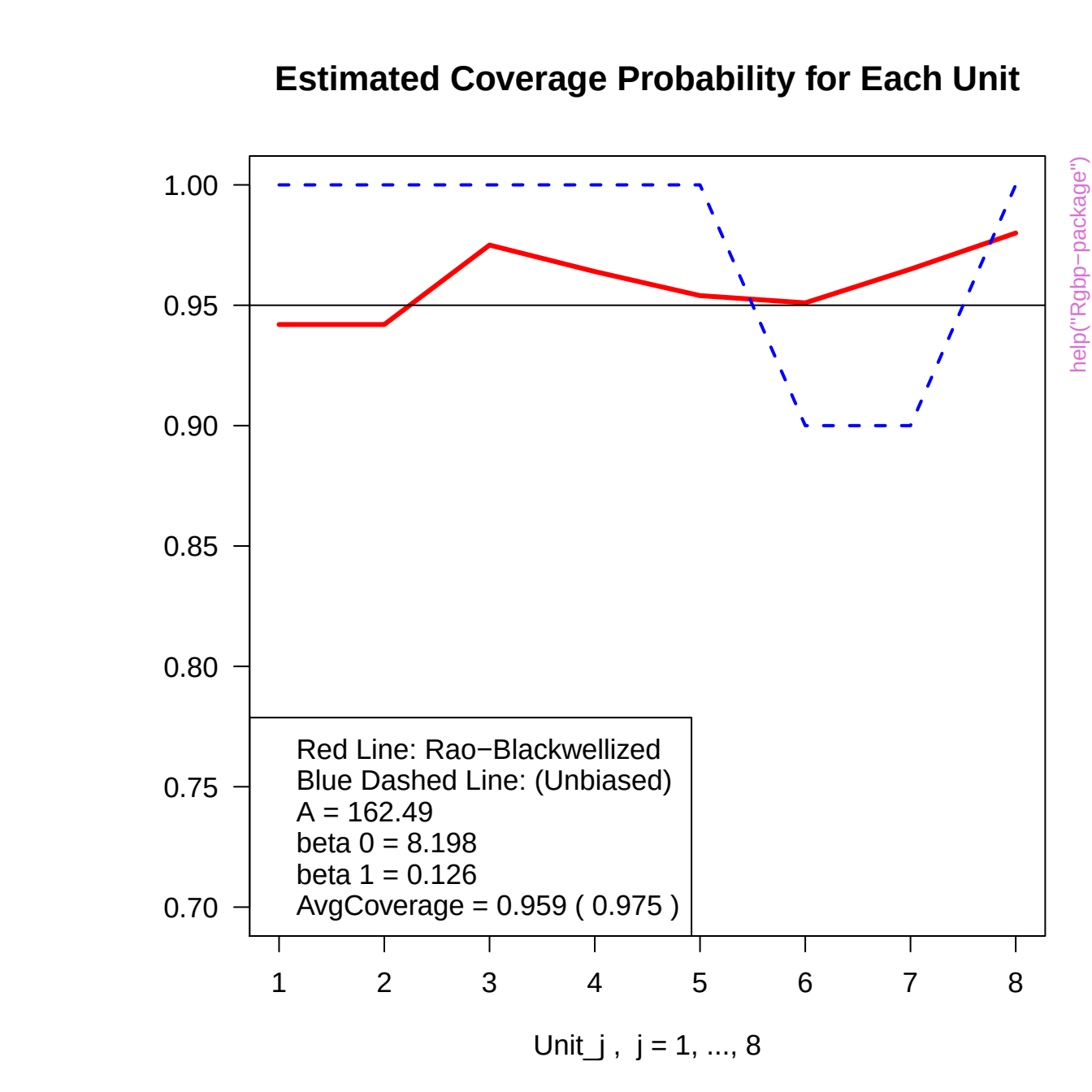
help("Rgbp-package")

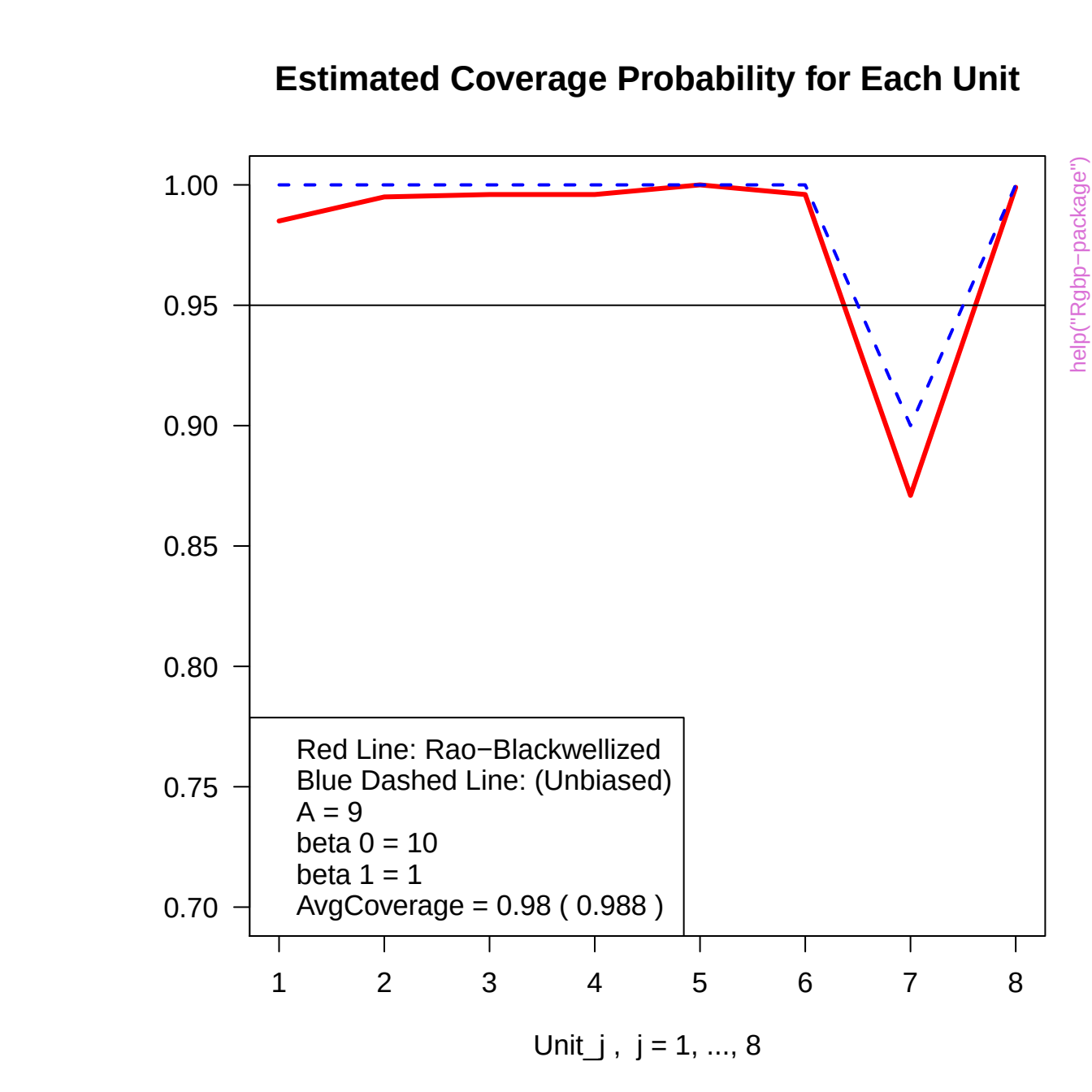
Units sorted by the increasing order o

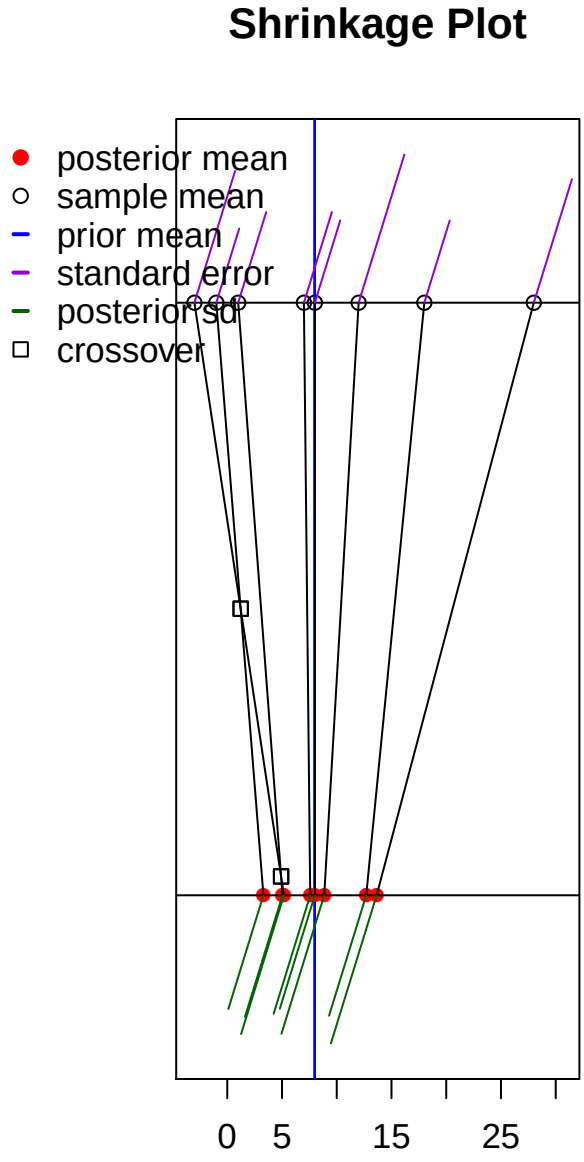


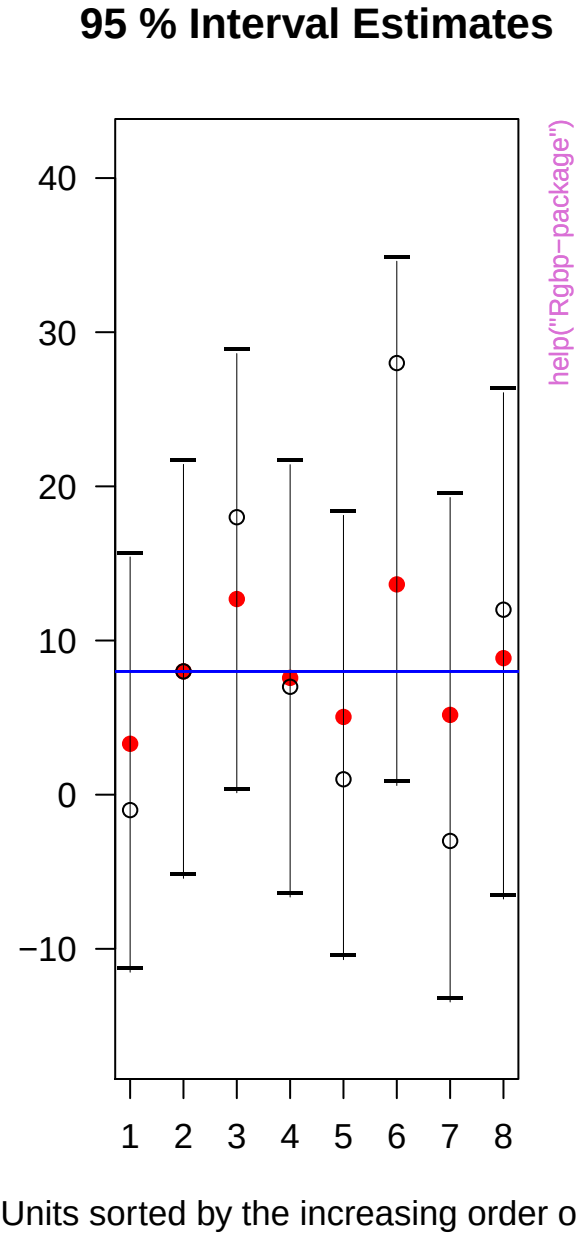


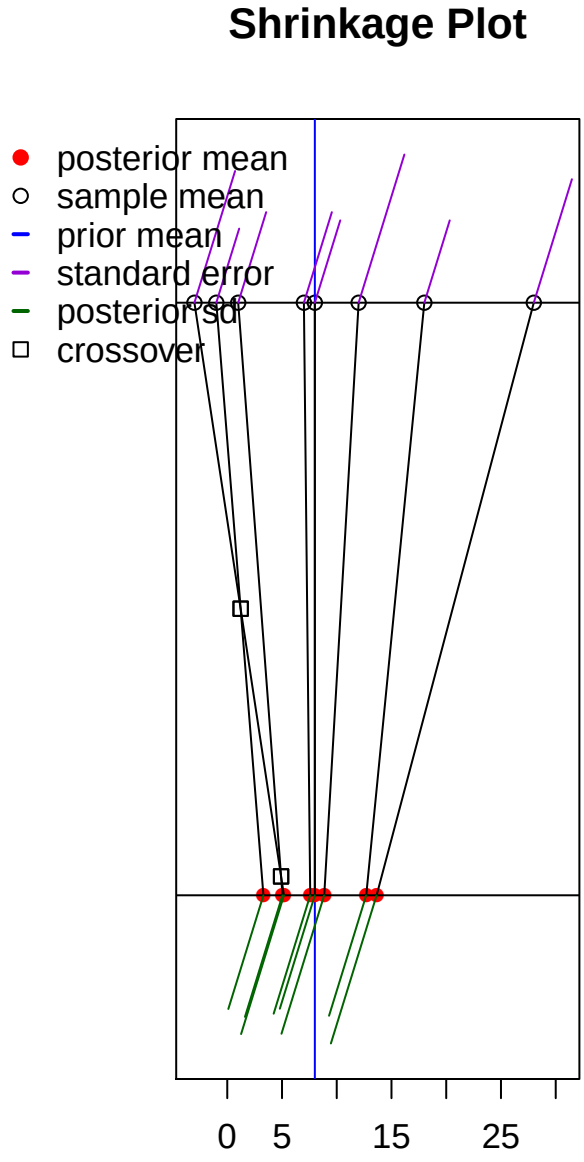
ndices (Groups) by the order of data i

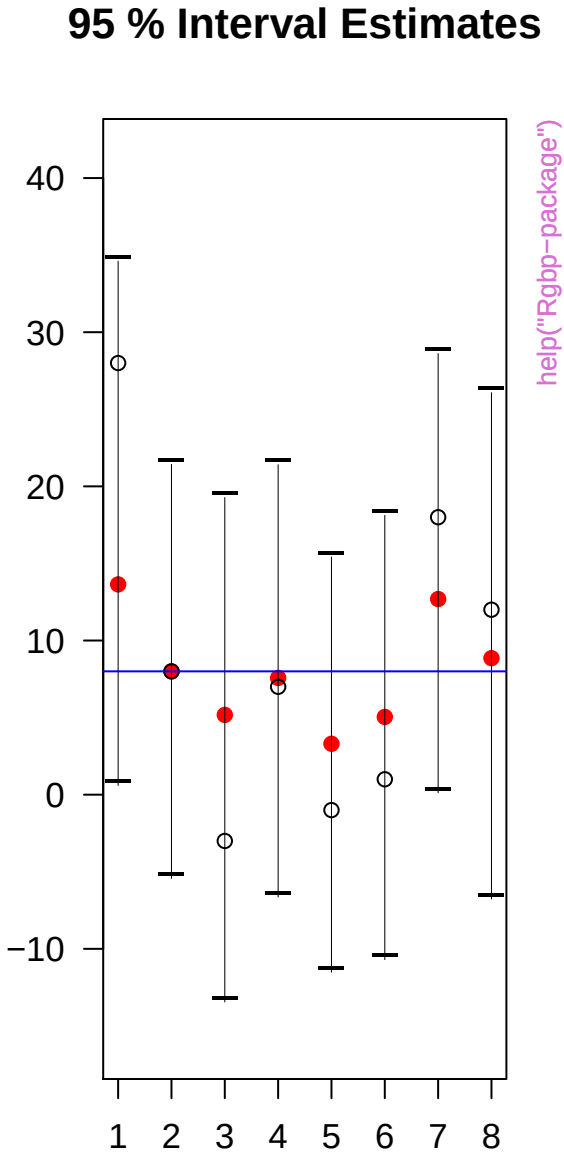

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 162.49
beta 0 = 8.198
beta 1 = 0.126
AvgCoverage = 0.959 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")


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: (Unbiased)
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")

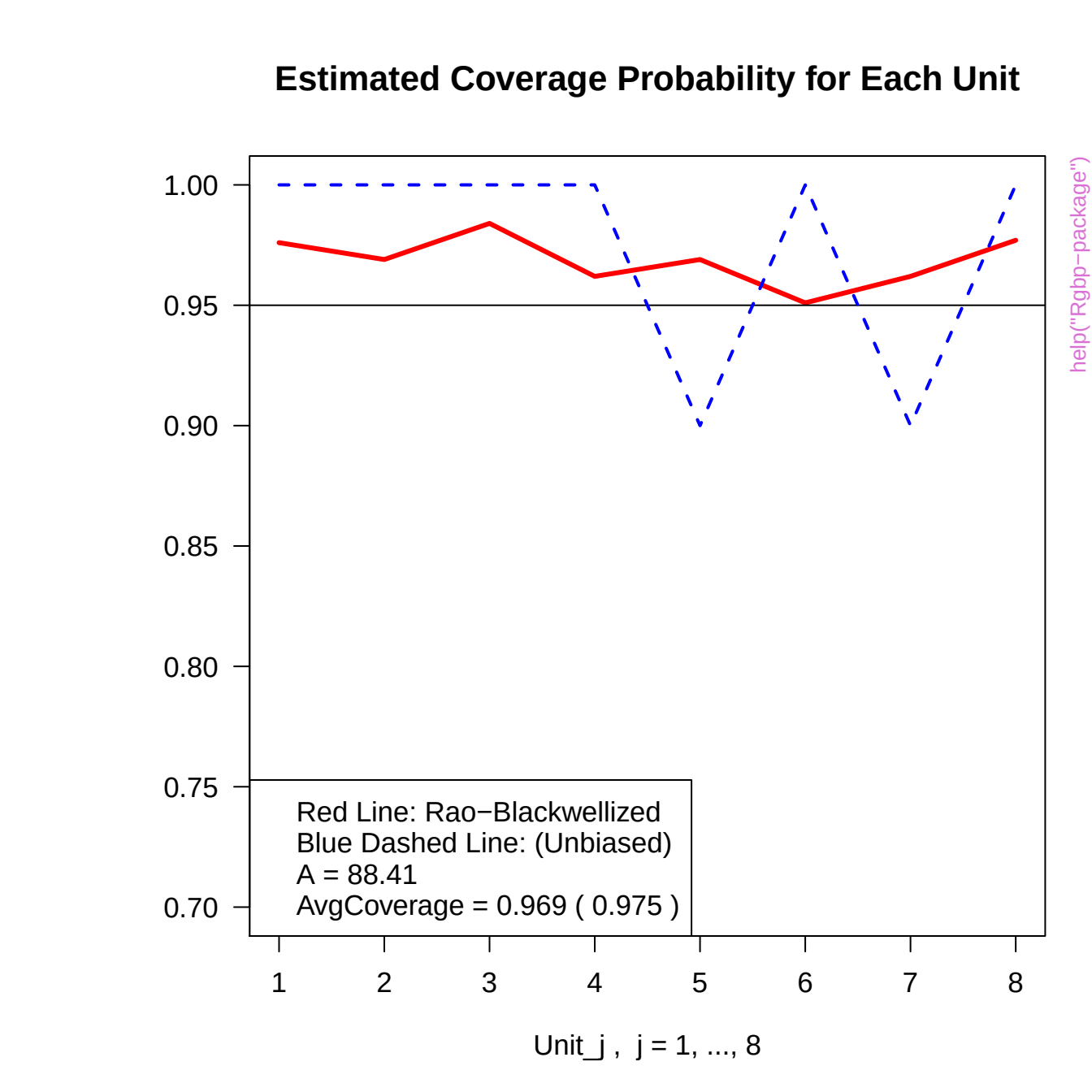

Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25

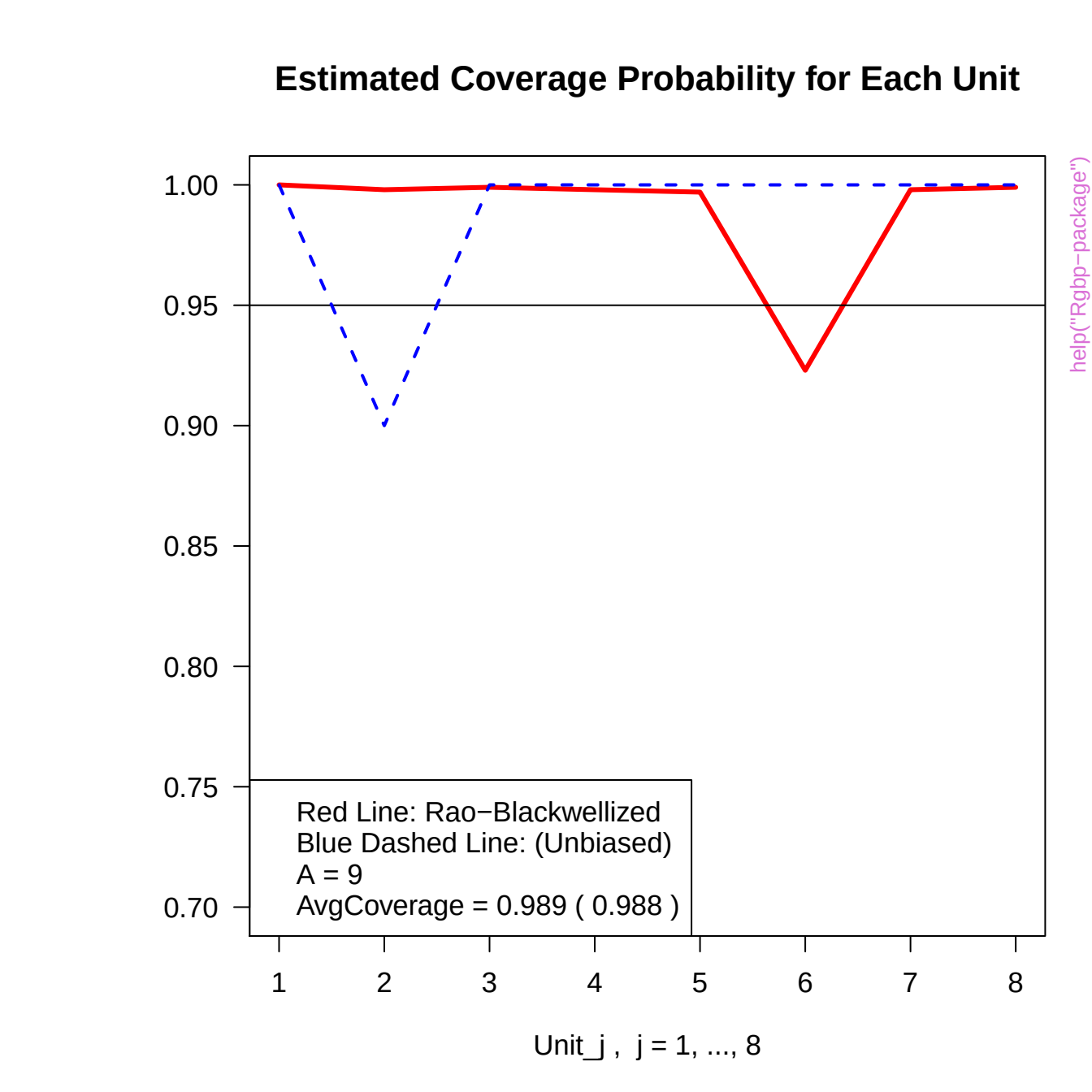

95 % Interval Estimates
40
30
20
10
0
−10
1
2
3
4
5
6
7
8
help("Rgbp−package")
Units sorted by the increasing order o





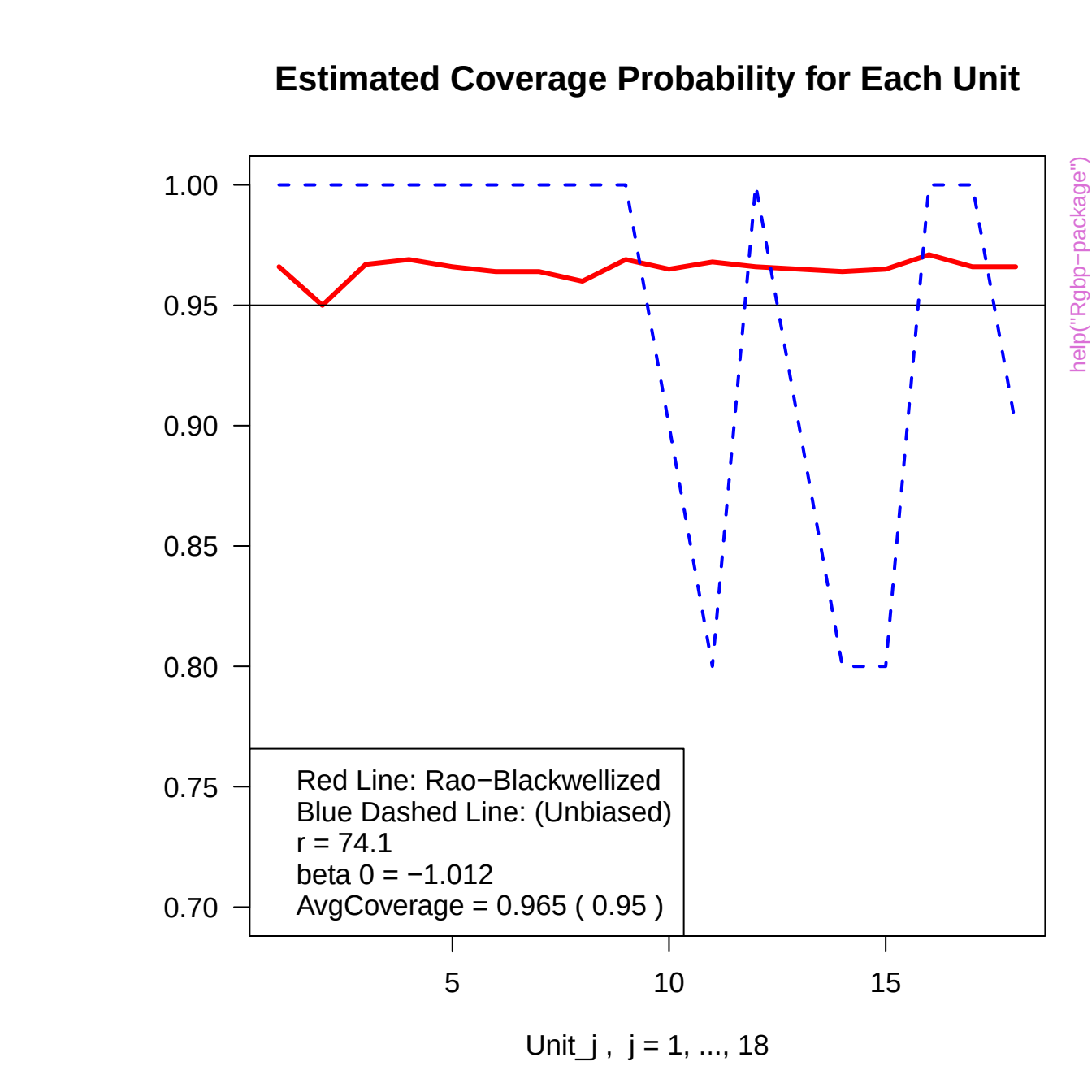
ndices (Groups) by the order of data i

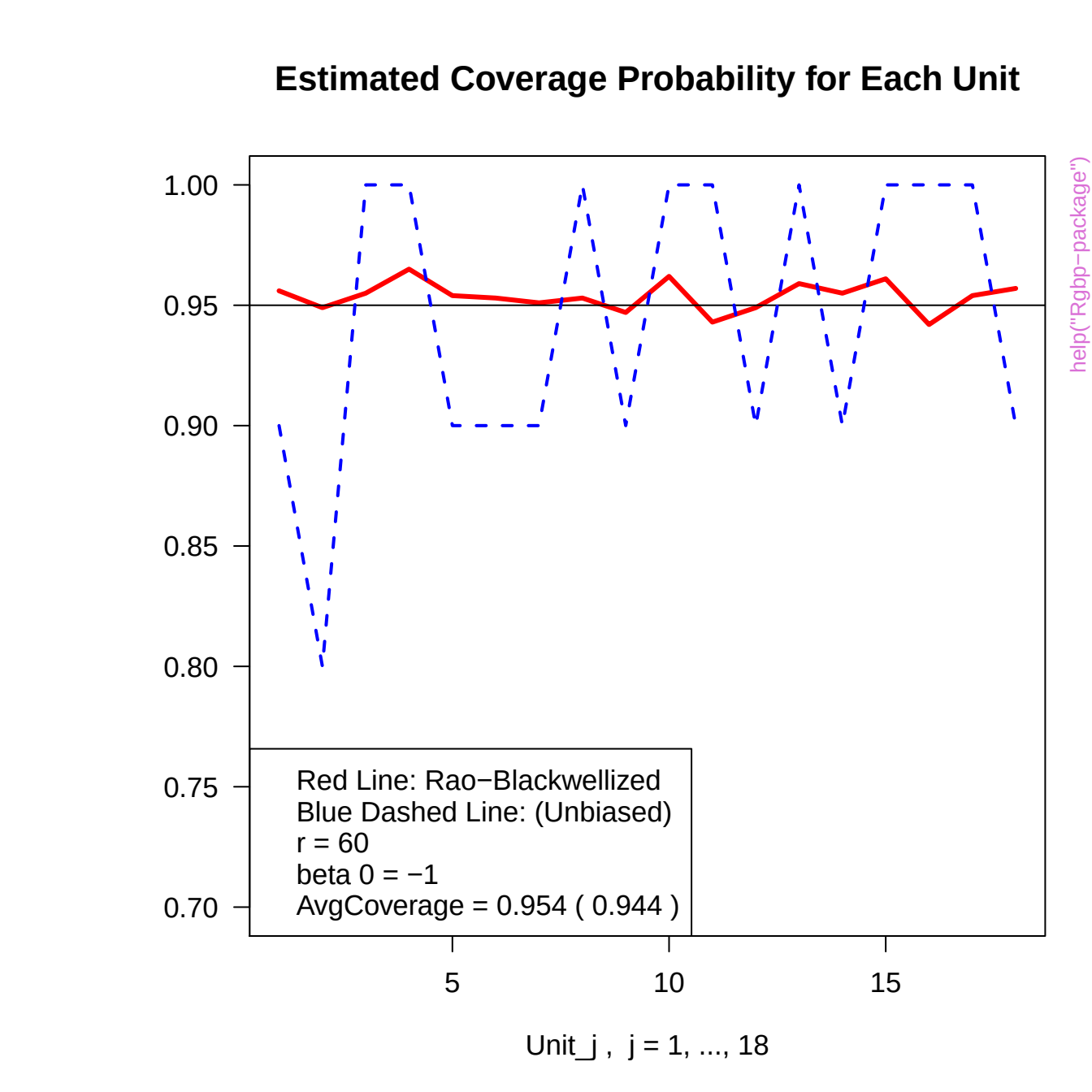

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 88.41
AvgCoverage = 0.969 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")

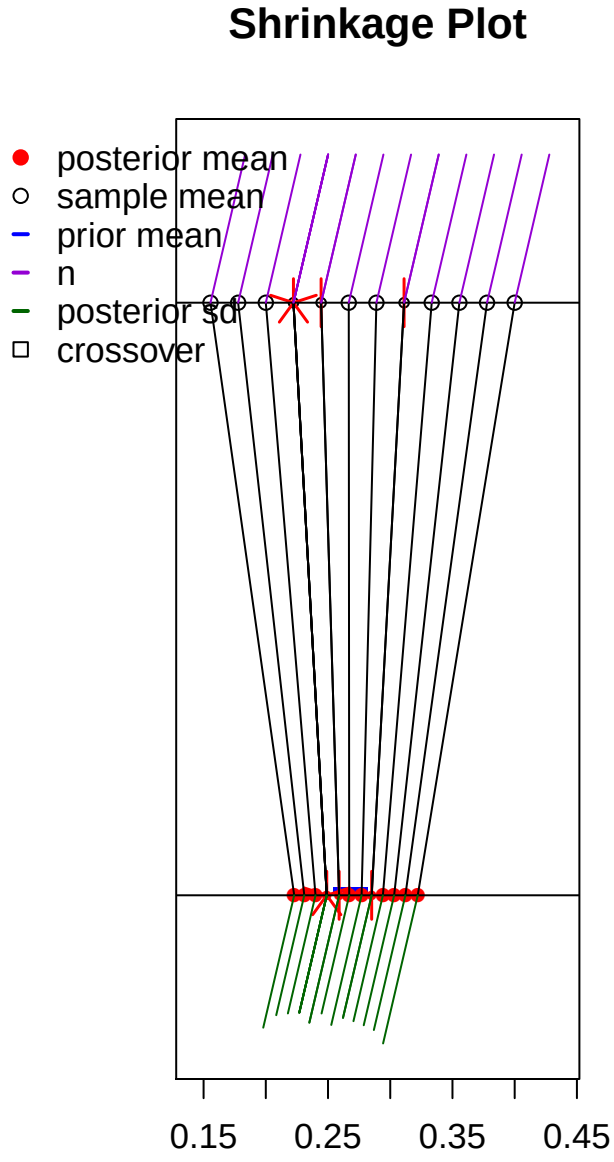

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 9
AvgCoverage = 0.989 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("Rgbp−package")

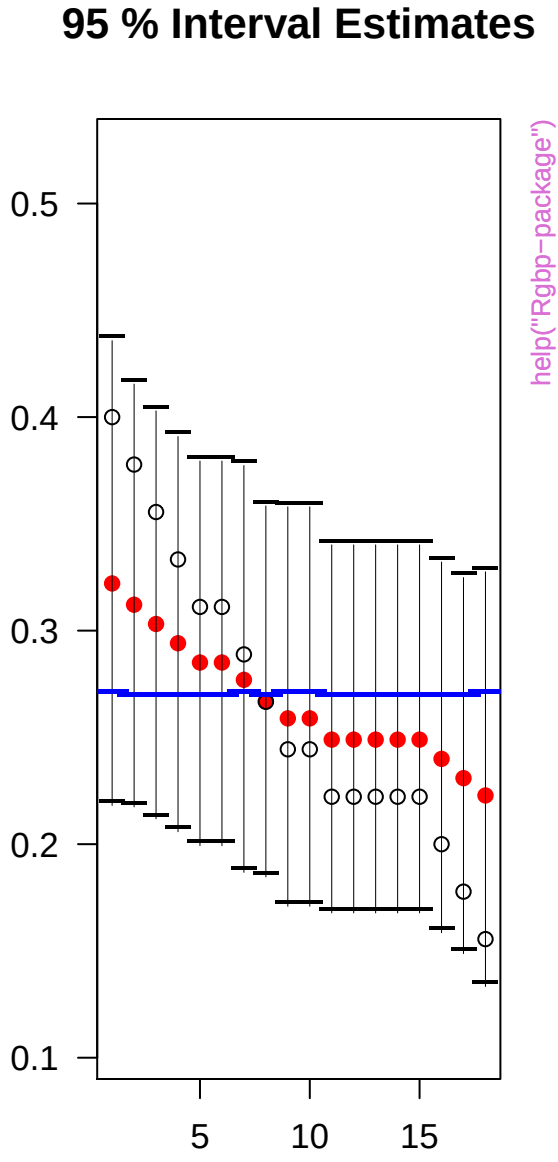
Shrinkage Plot
95 % Interval Estimates
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.5
0.4
0.3
0.2
0.1
5
10
15
help("Rgbp-package")
Units sorted by the increasing order

Shrinkage Plot
95 % Interval Estimates
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")
ndices (Groups) by the order of data i

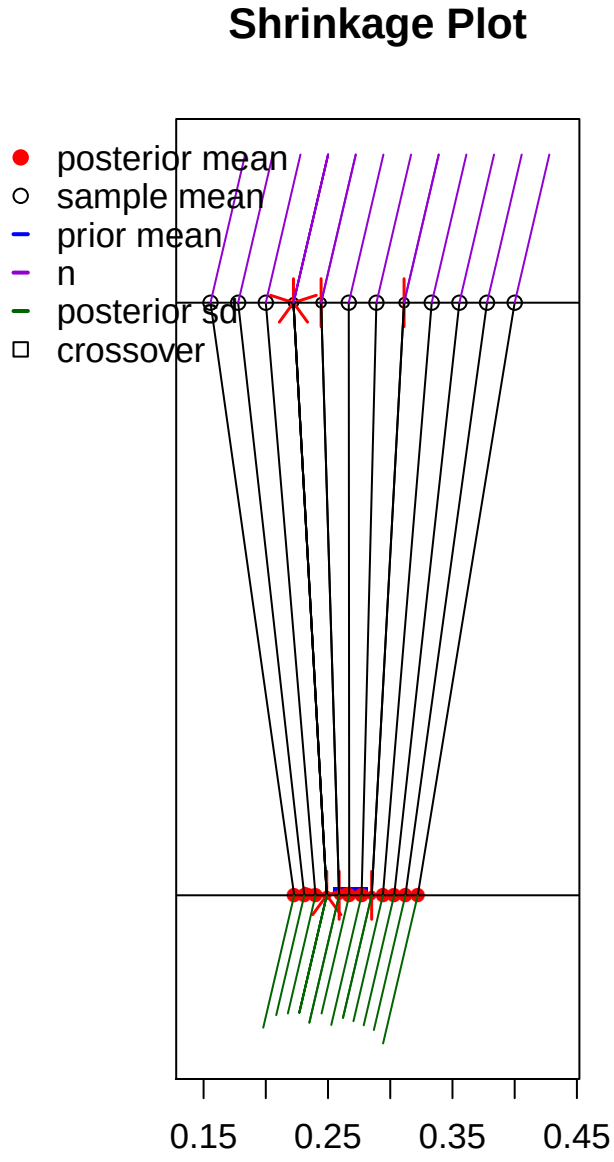

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 74.1
beta 0 = −1.012
AvgCoverage = 0.965 (0.95)
help("Rgbp−package")

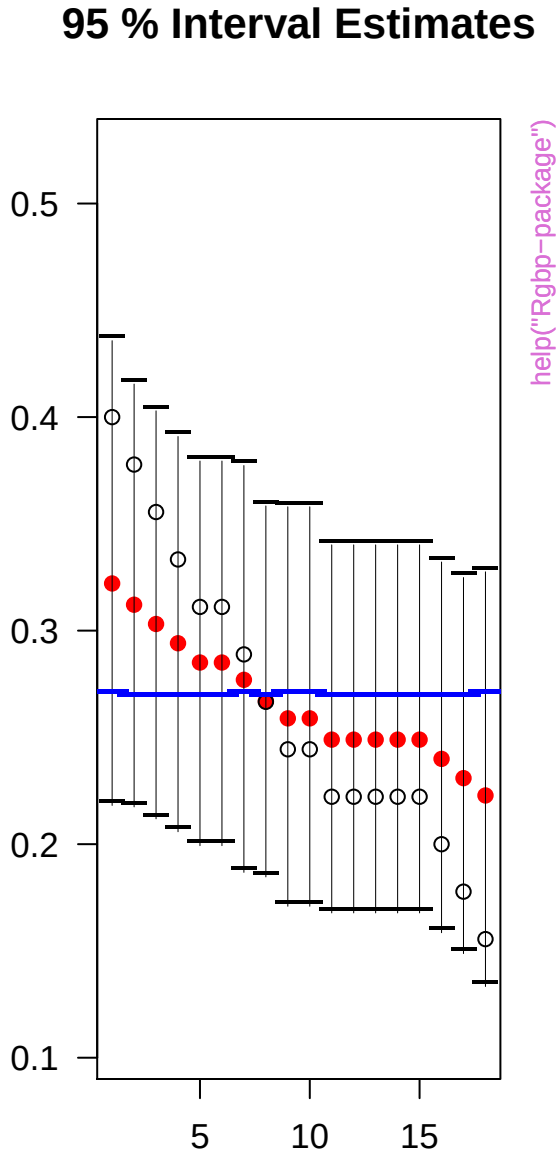

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −1
AvgCoverage = 0.954 (0.944)
help("Rgbp−package")



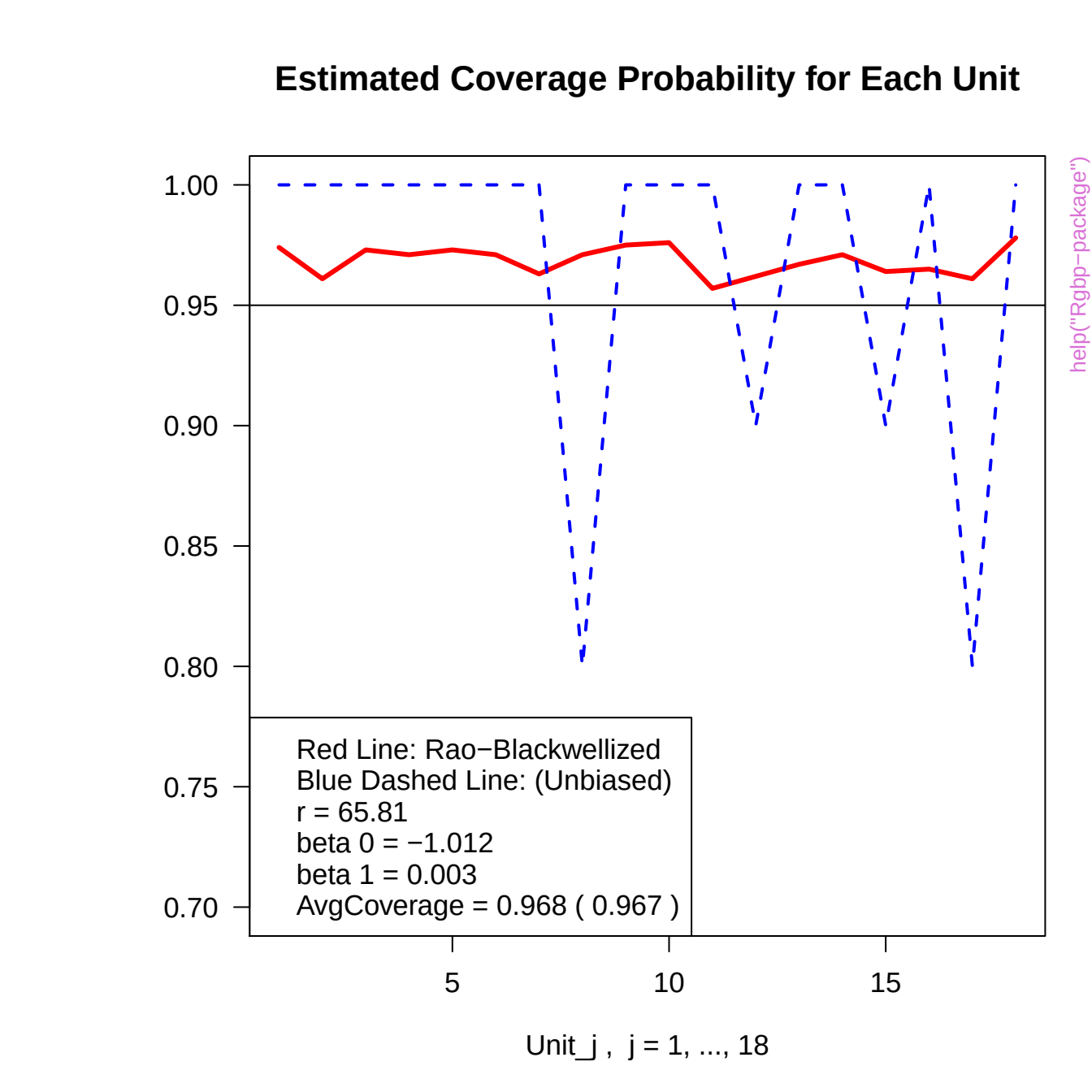


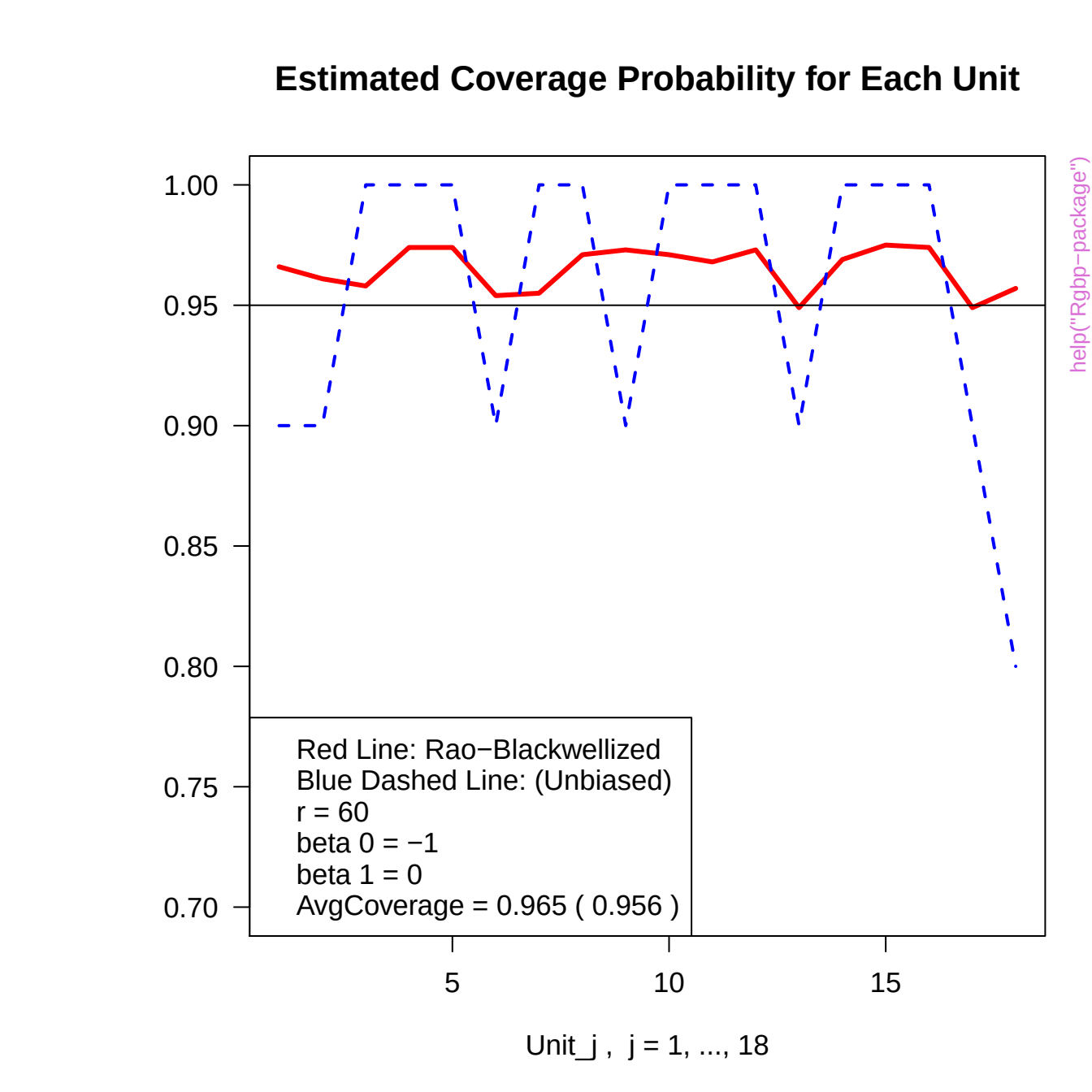
Units sorted by the increasing order o

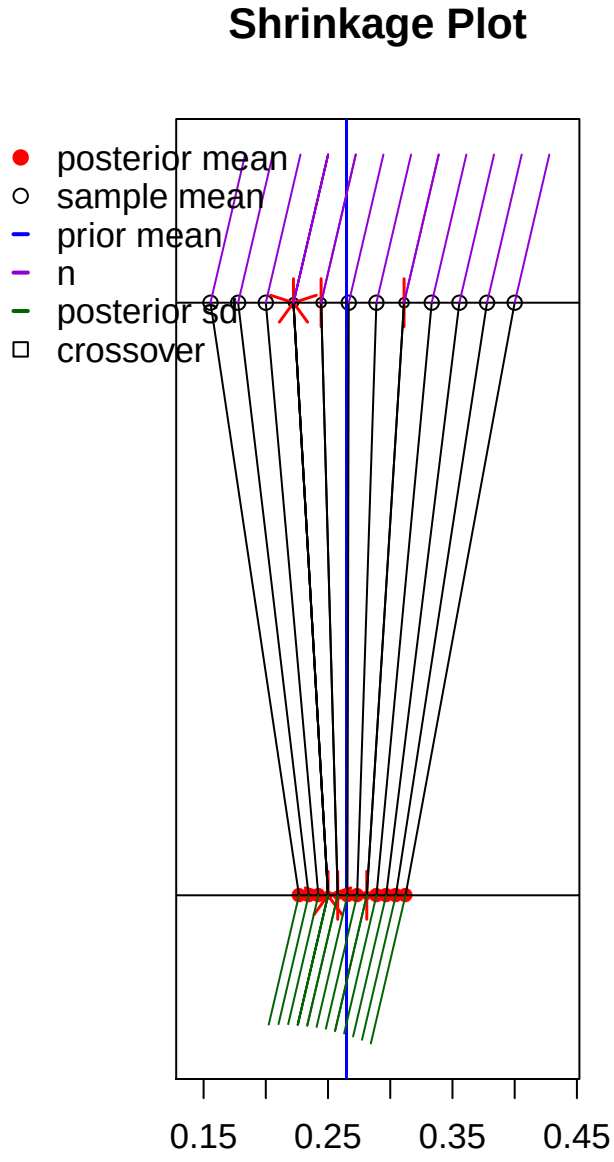


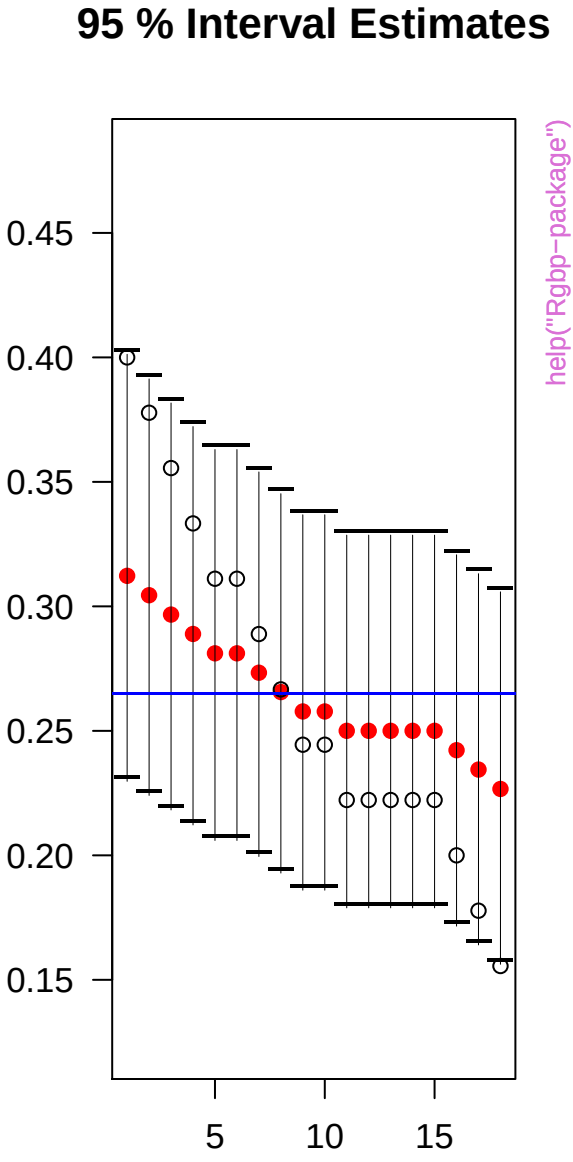


ndices (Groups) by the order of data i

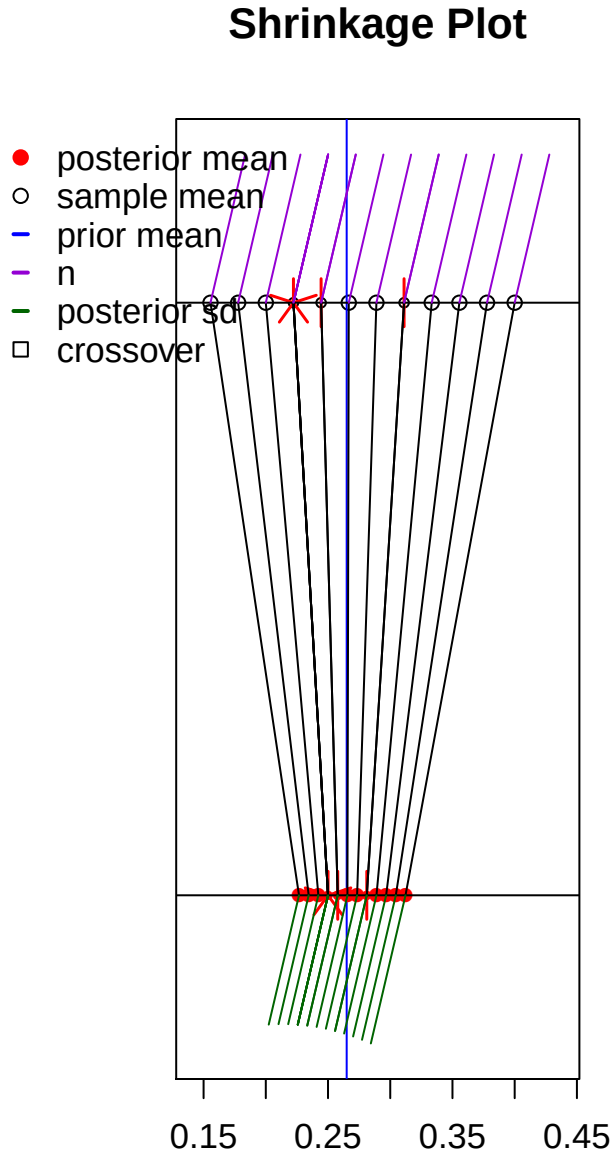

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 65.81
beta 0 = −1.012
beta 1 = 0.003
AvgCoverage = 0.968 (0.967)
help("Rgbp−package")

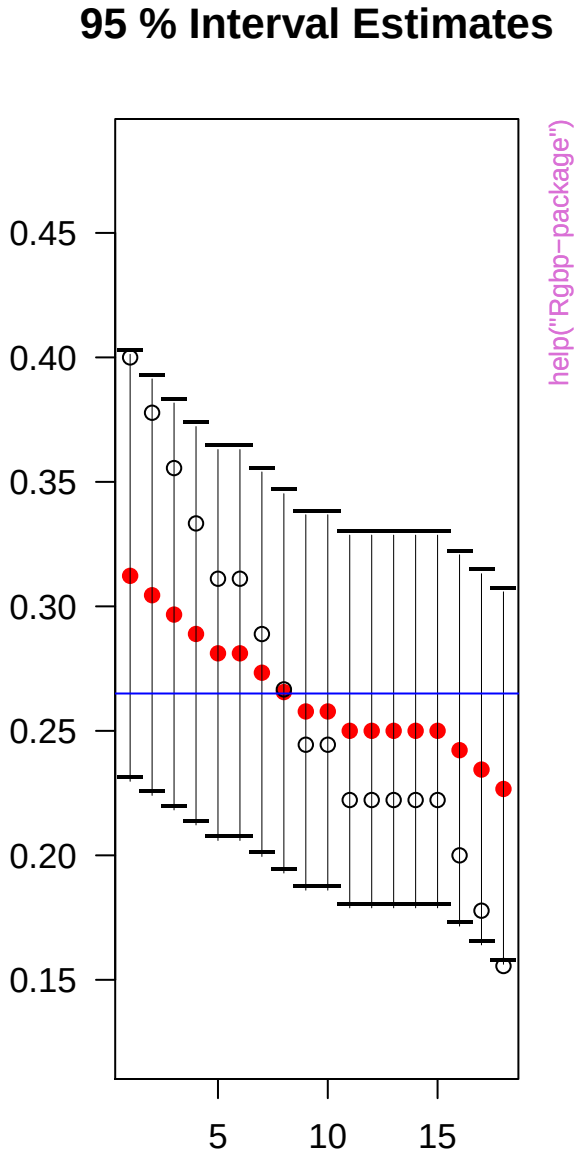

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −1
beta 1 = 0
AvgCoverage = 0.965 (0.956)
help("Rgbp−package")

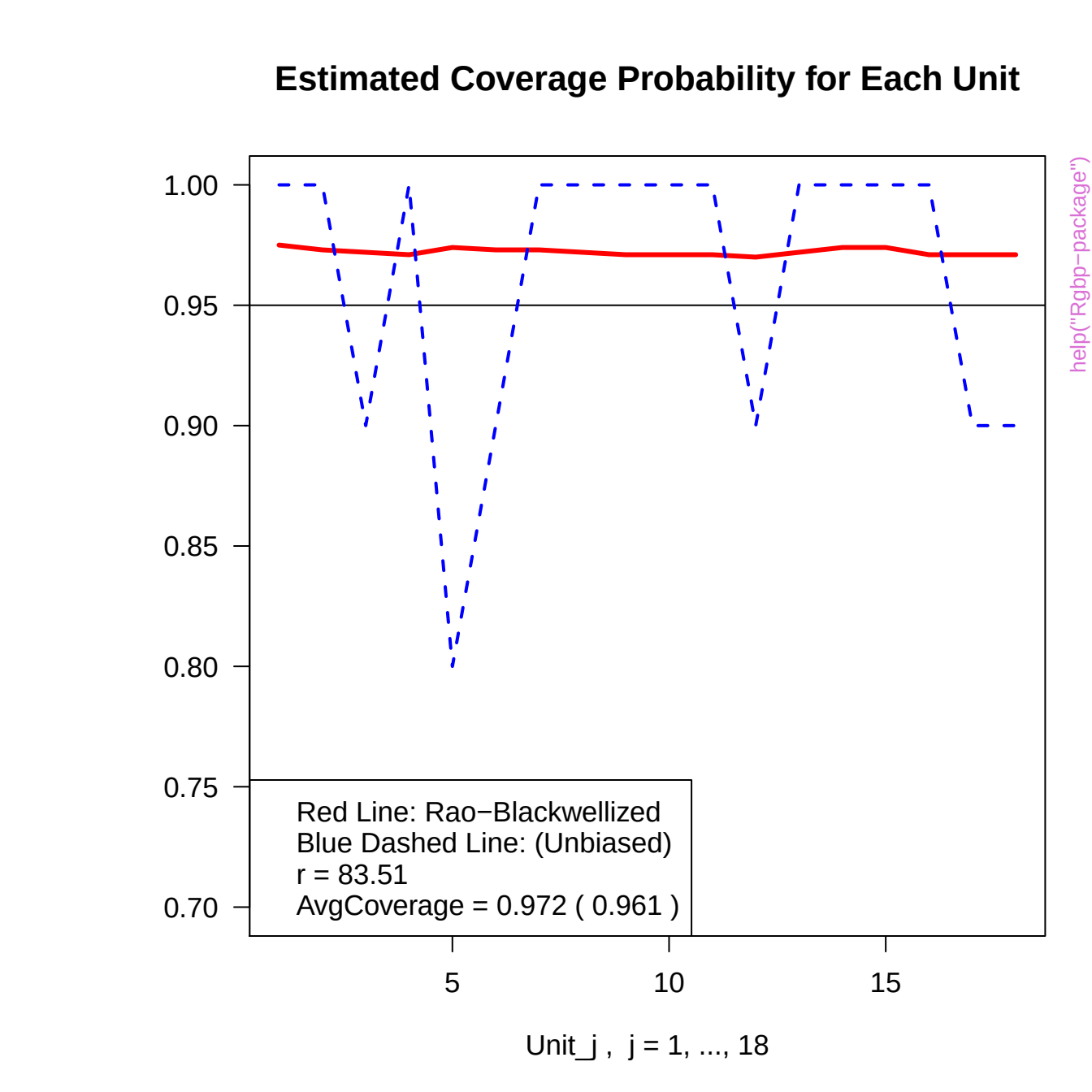


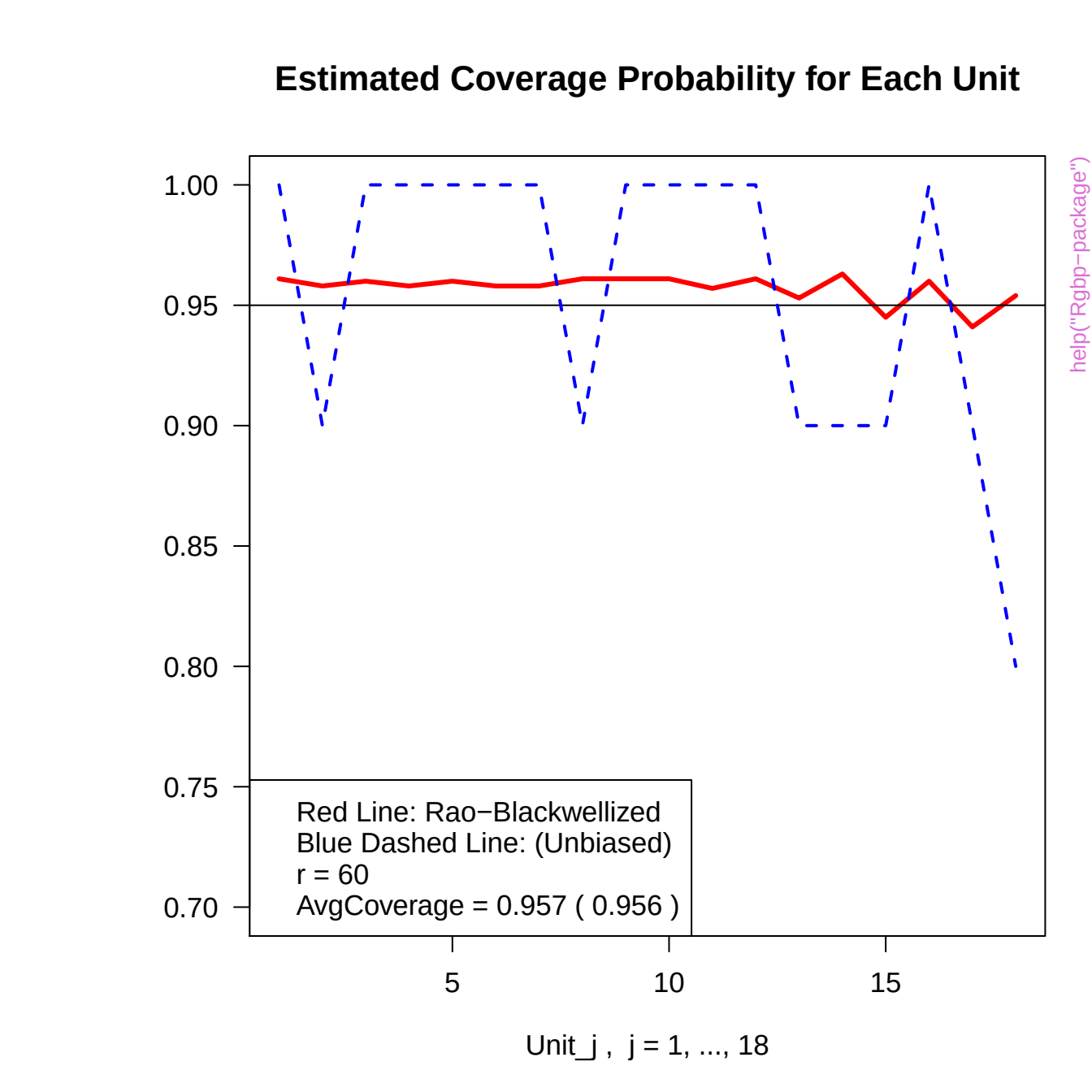


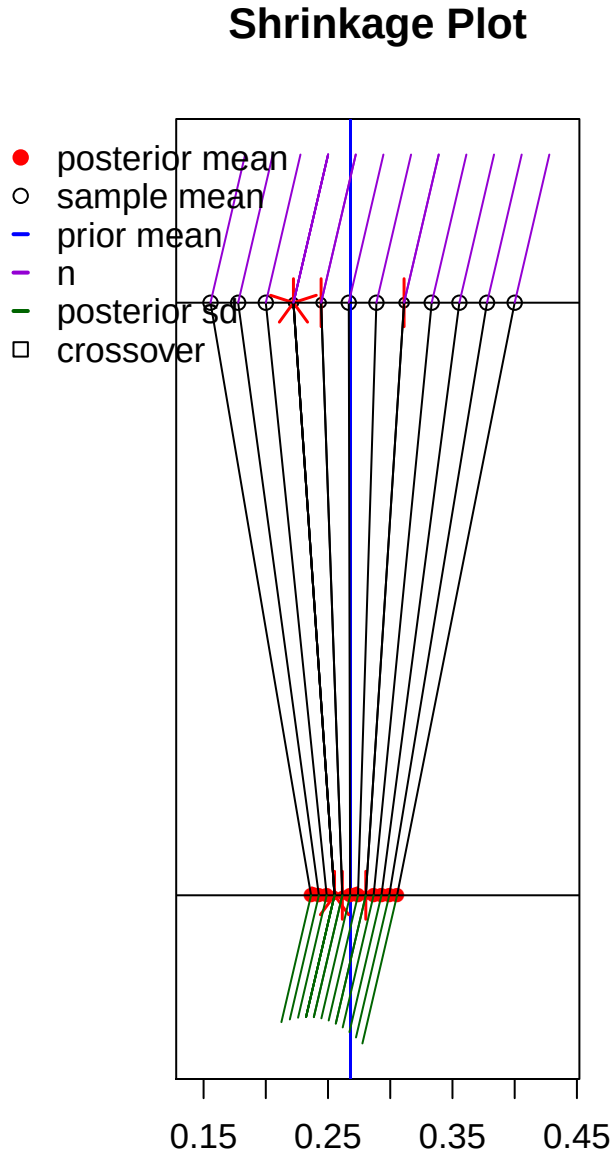
Units sorted by the increasing order o

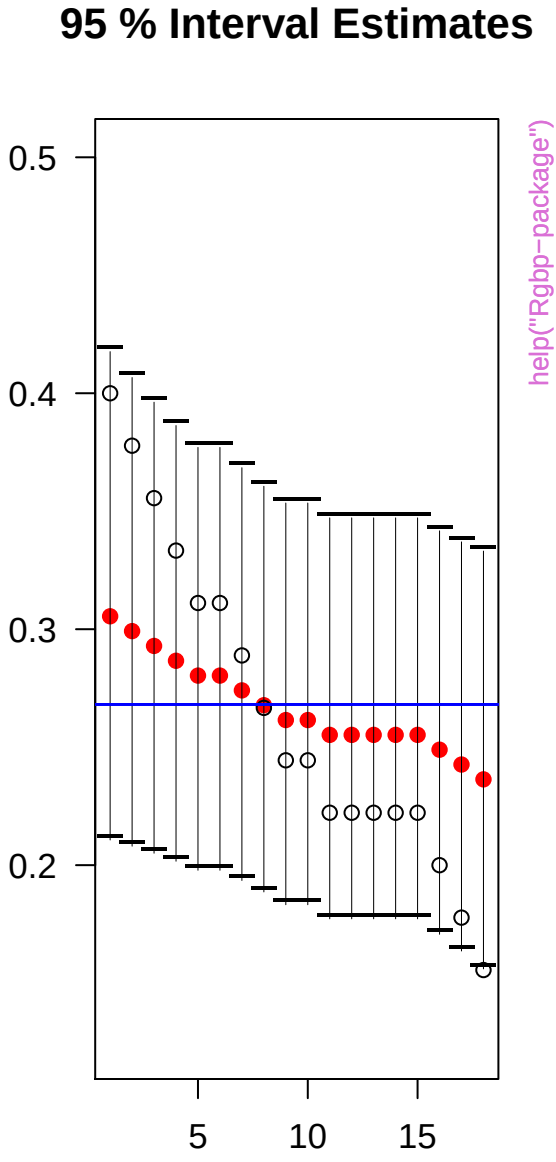

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45


95 % Interval Estimates
0.45
0.40
0.35
0.30
0.25
0.20
0.15
5
10
15
help("Rgbp-package")
ndices (Groups) by the order of data i

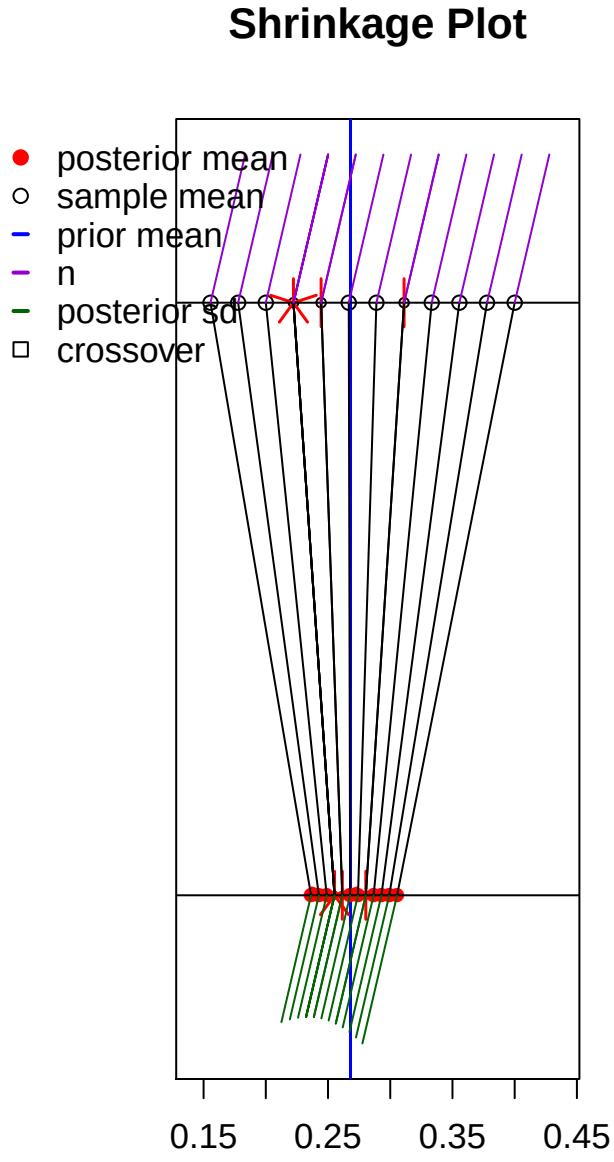

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 83.51
AvgCoverage = 0.972 (0.961)
help("Rgbp−package")

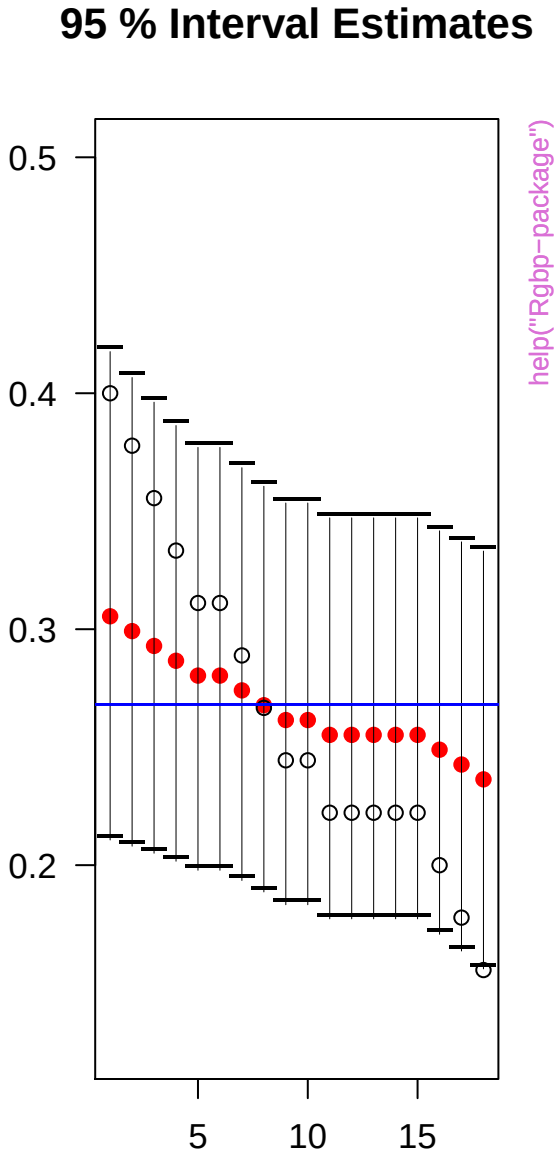

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
AvgCoverage = 0.957 (0.956)
5
10
15
Unit_j , j = 1, ..., 18
help("Rgbp−package")



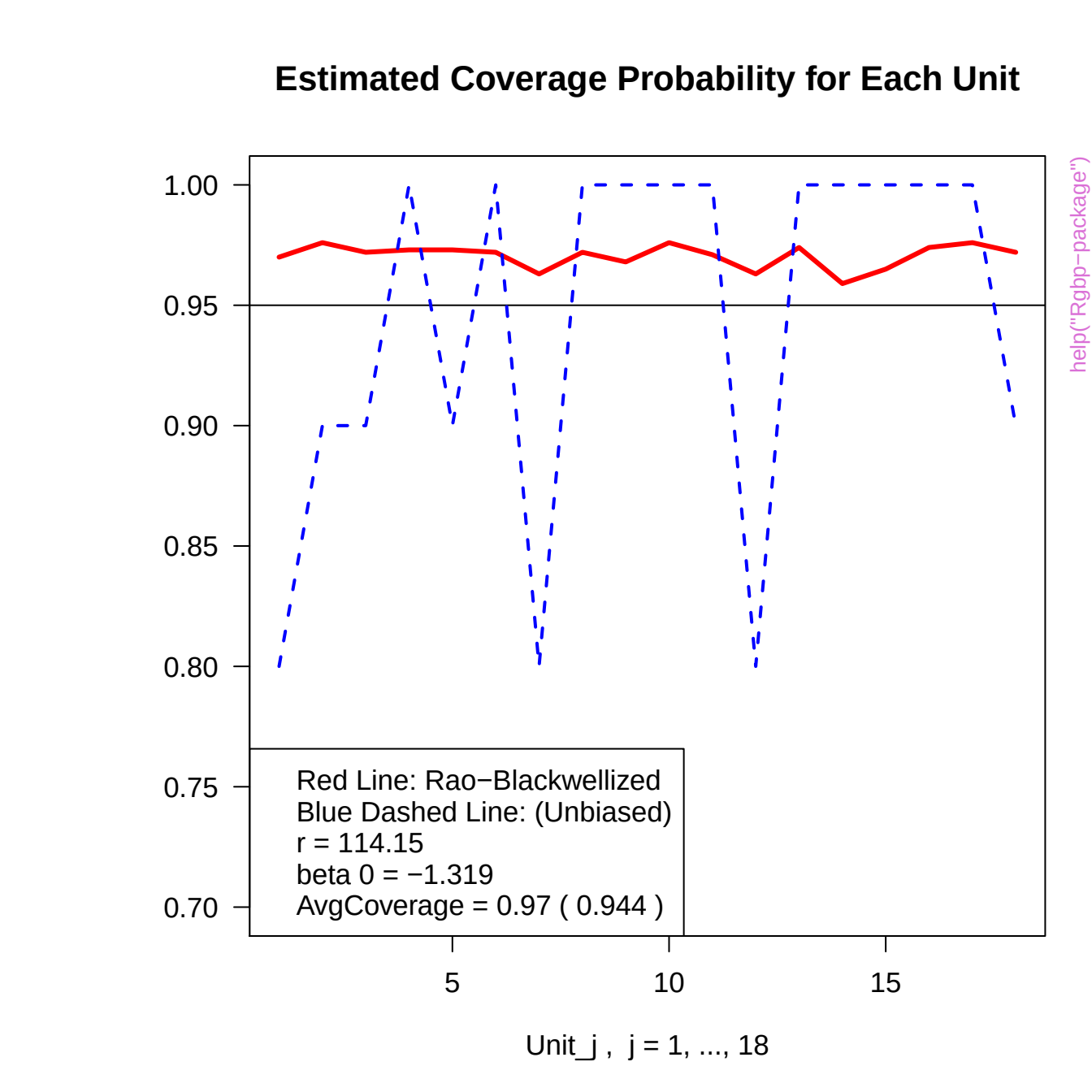


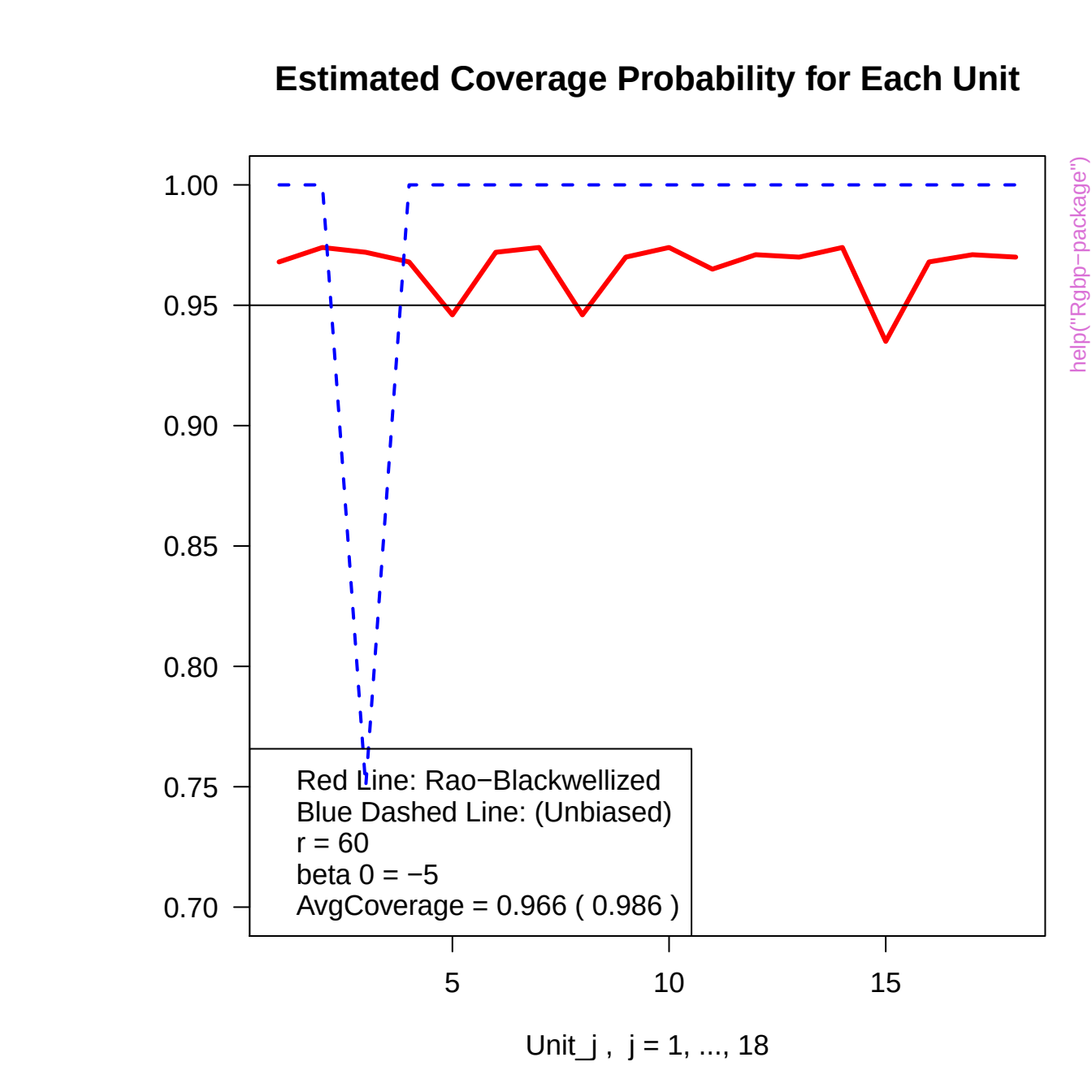
Units sorted by the increasing order o

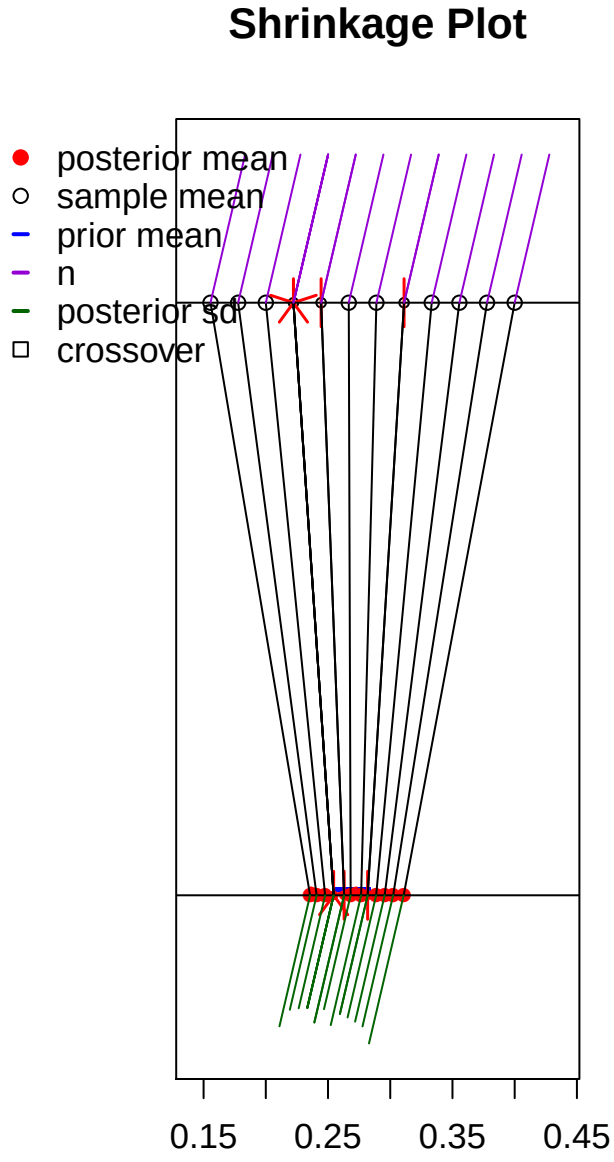


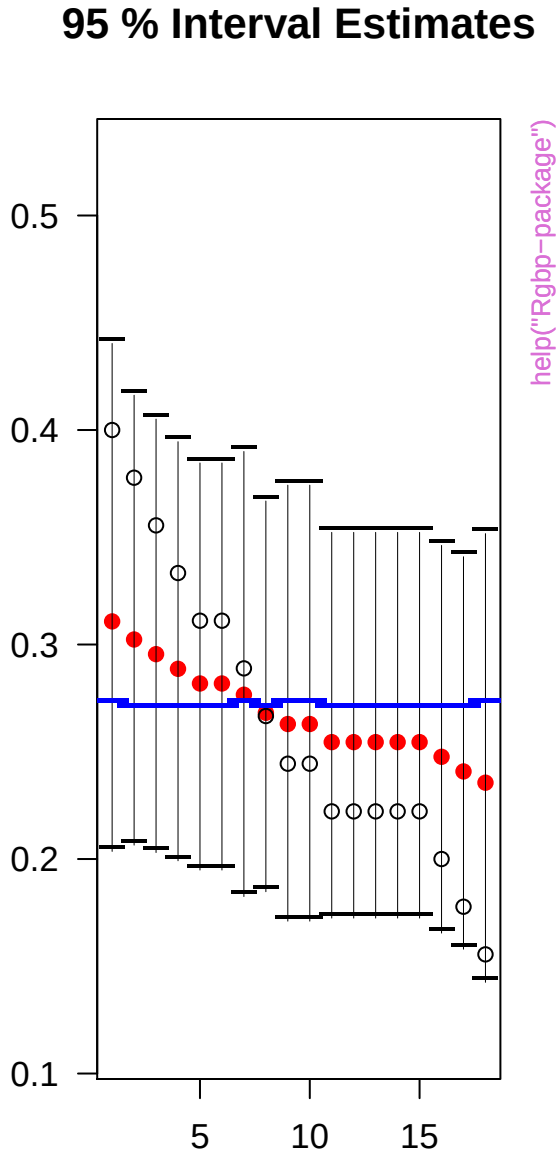


ndices (Groups) by the order of data i

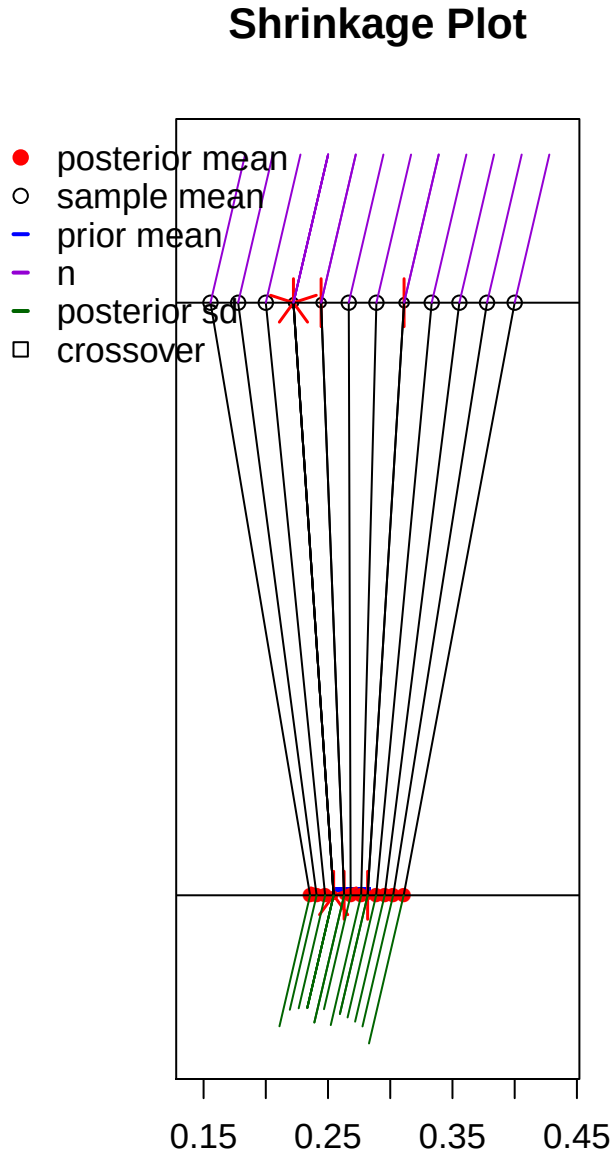

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 114.15
beta 0 = −1.319
AvgCoverage = 0.97 (0.944)
help("Rgbp−package")

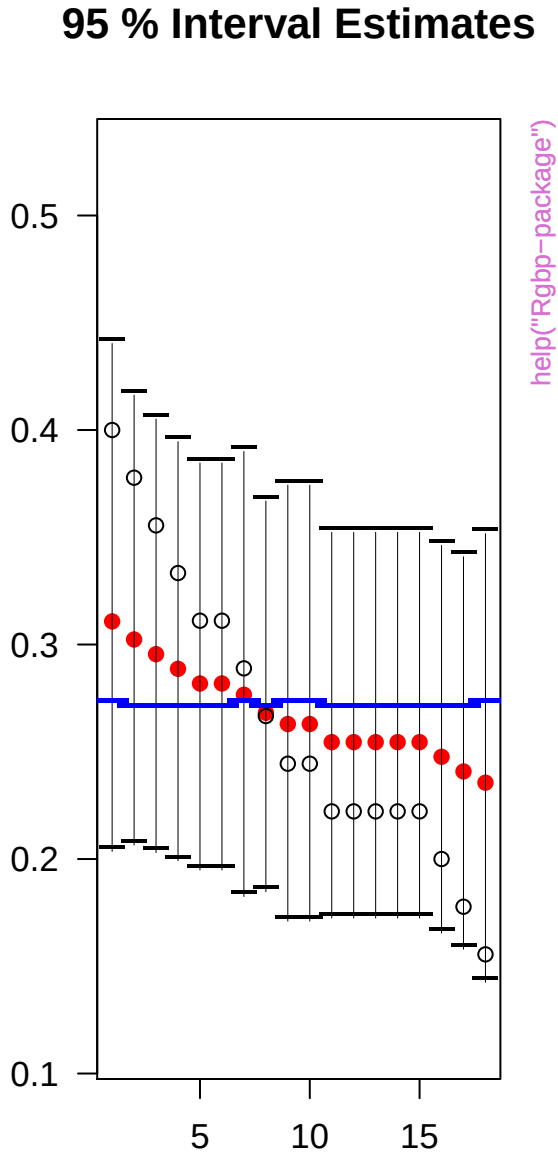

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −5
AvgCoverage = 0.966 (0.986)
help("Rgbp−package")



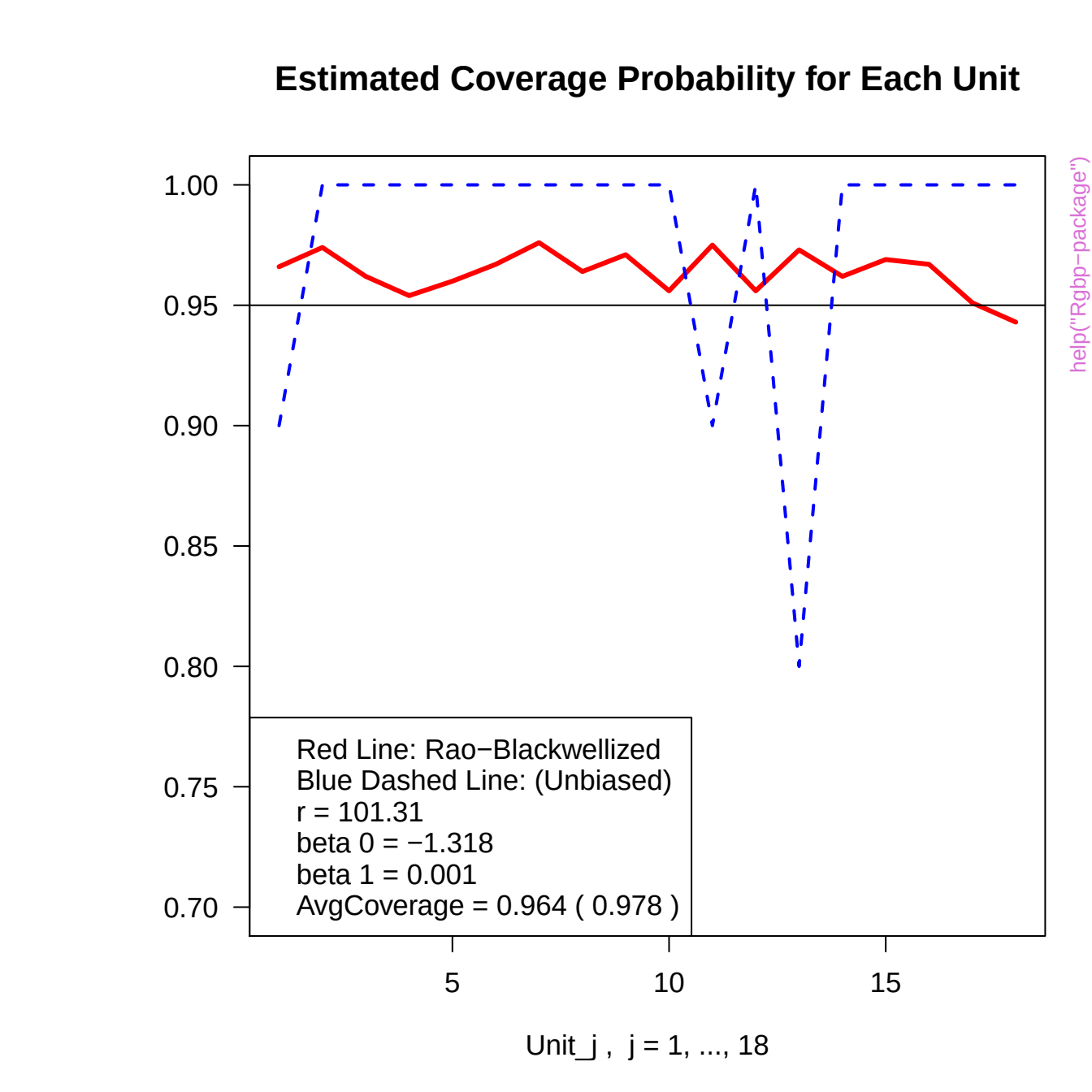


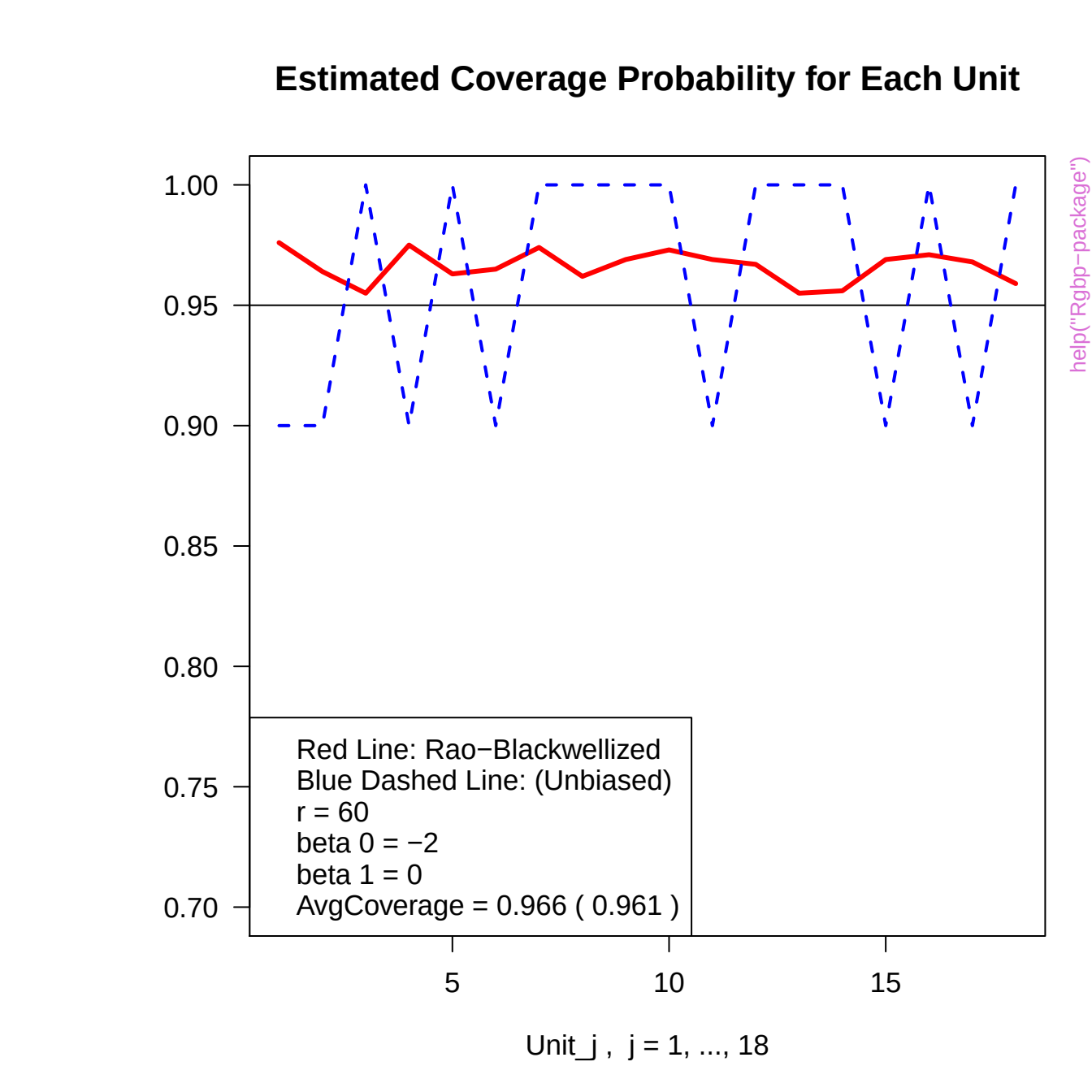
Units sorted by the increasing order o

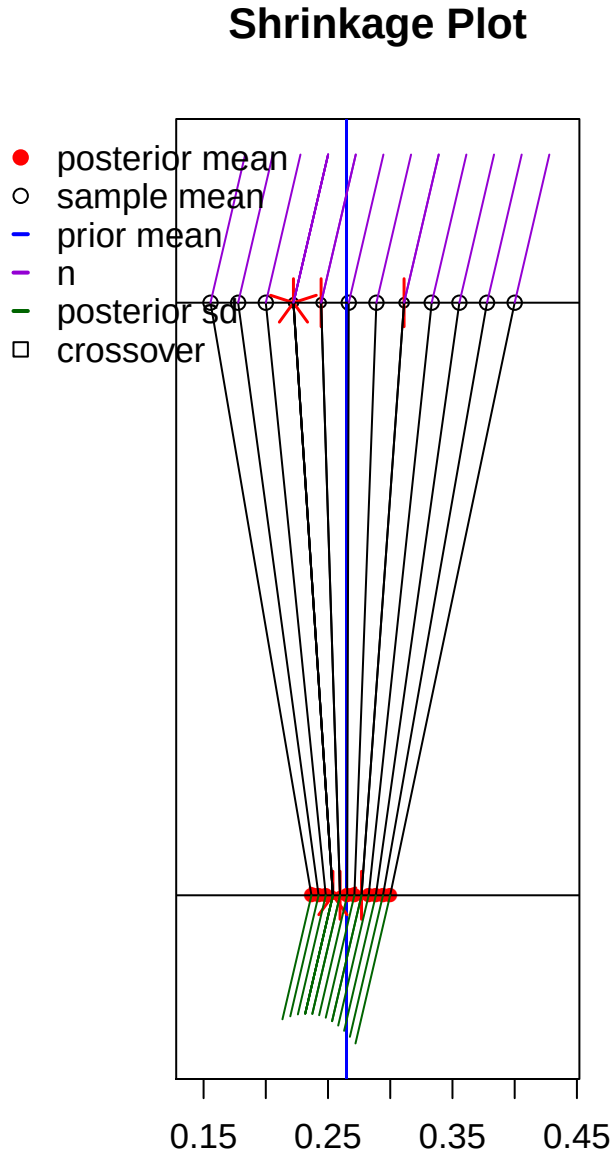


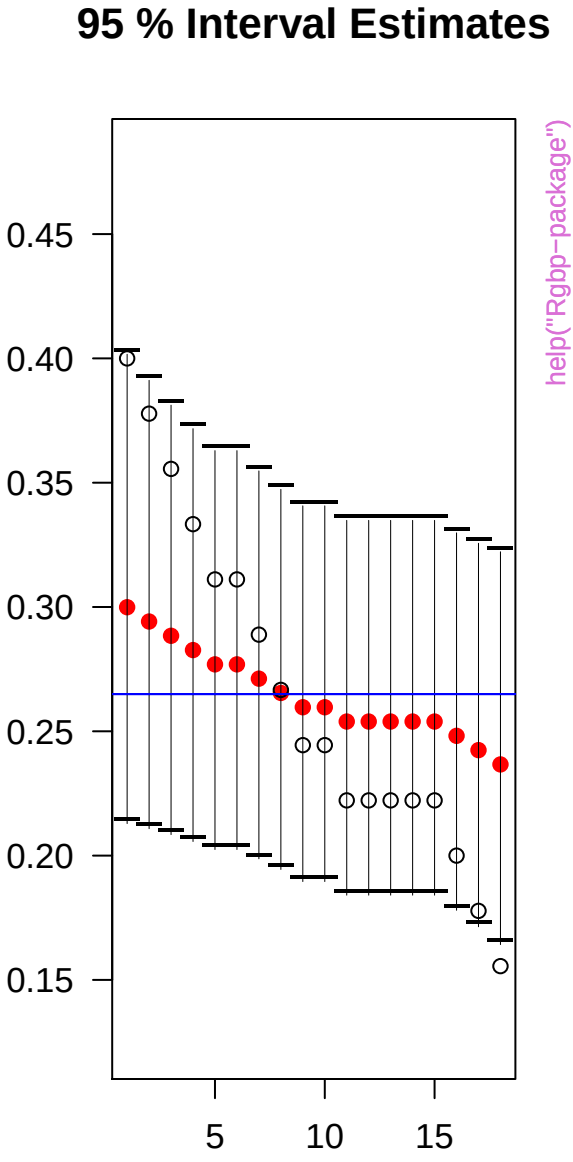


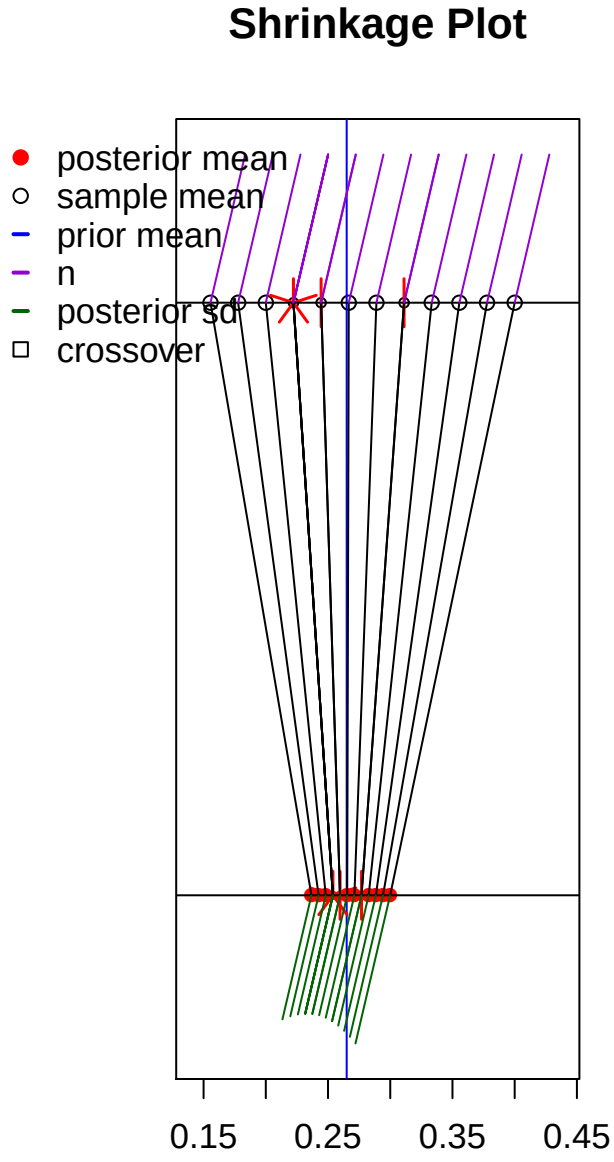
ndices (Groups) by the order of data i

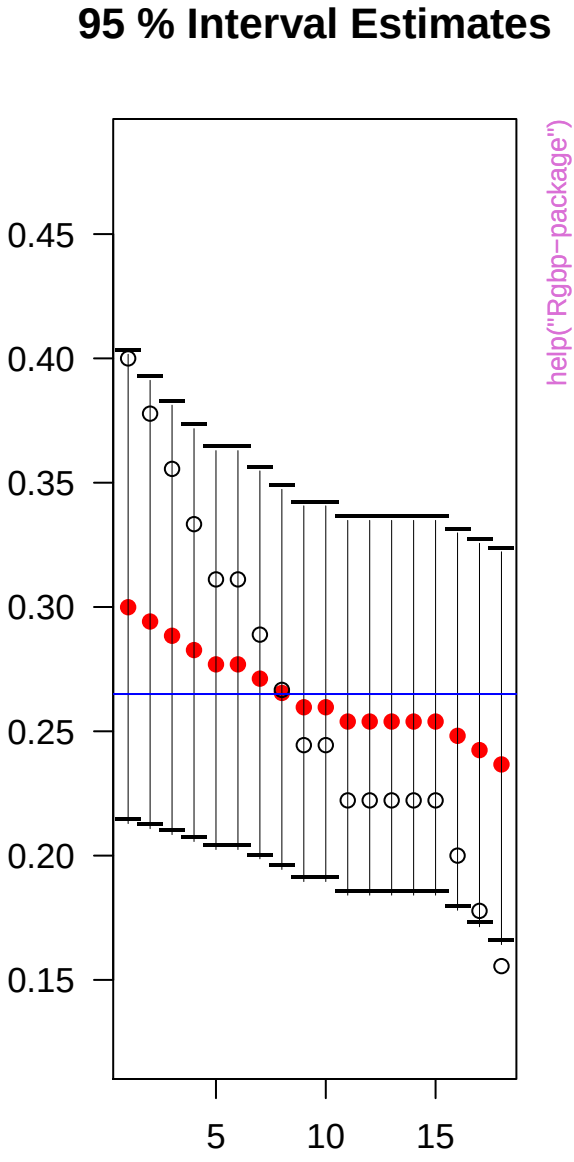

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 101.31
beta 0 = −1.318
beta 1 = 0.001
AvgCoverage = 0.964 (0.978)
help("Rgbp−package")

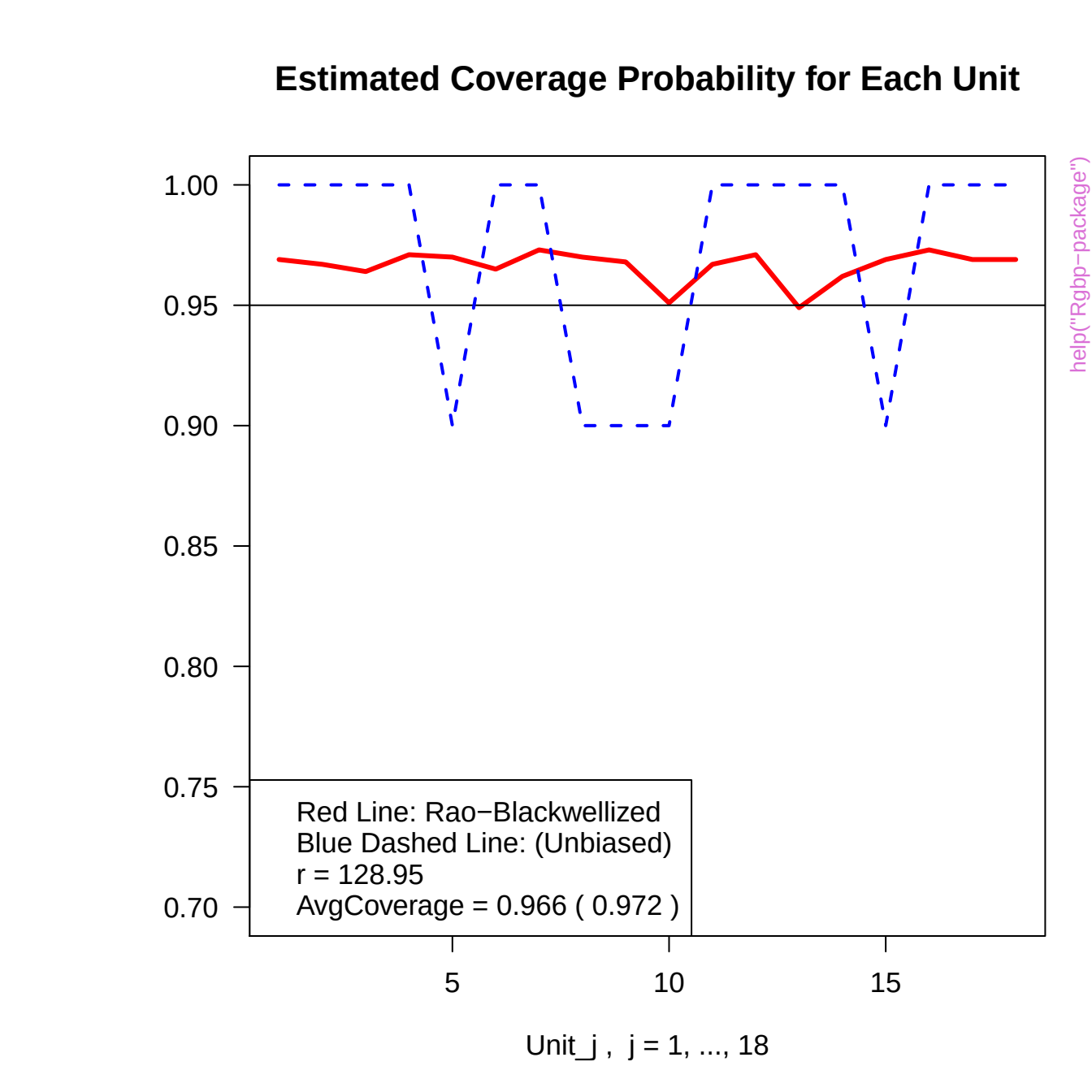

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −2
beta 1 = 0
AvgCoverage = 0.966 (0.961)
help("Rgbp−package")

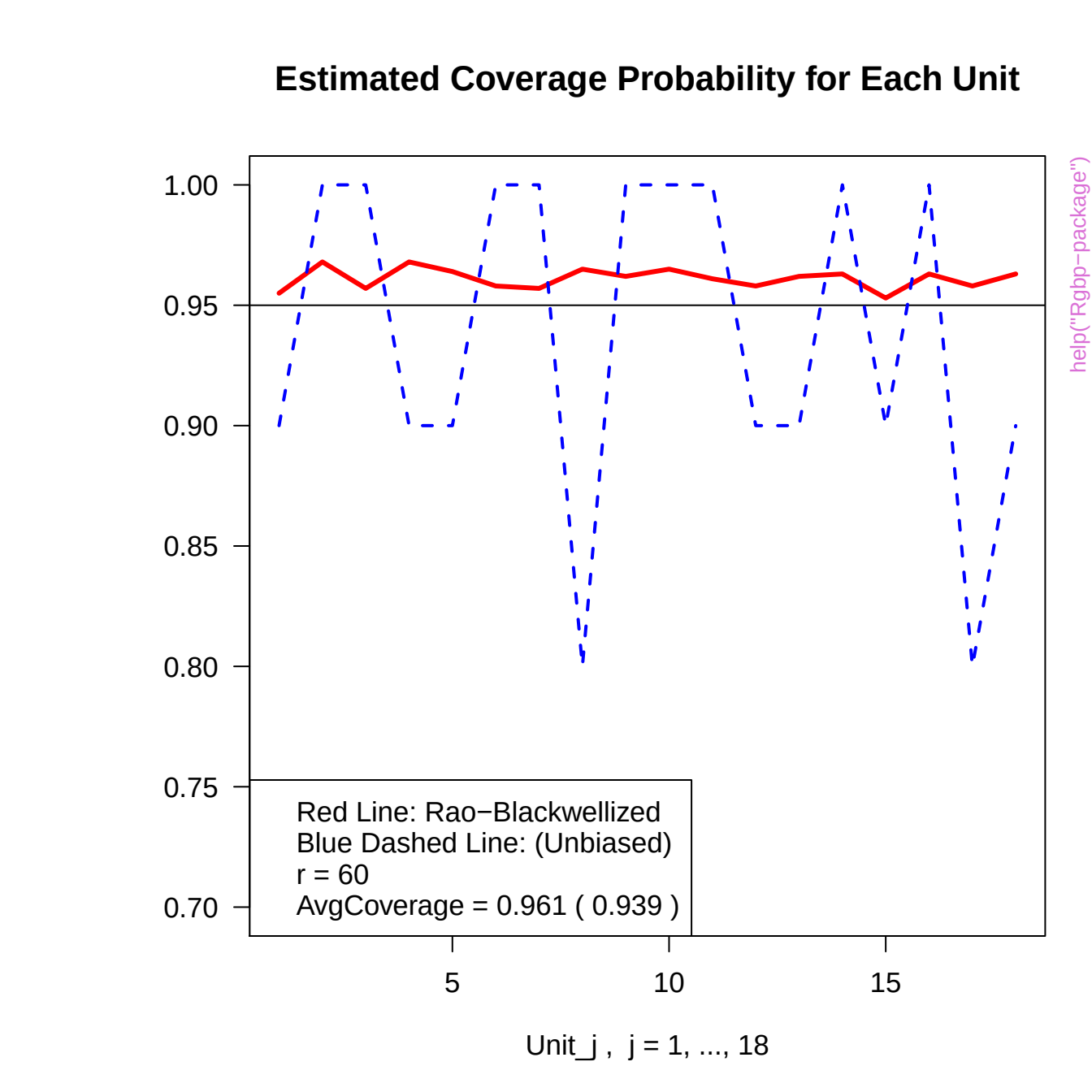

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45

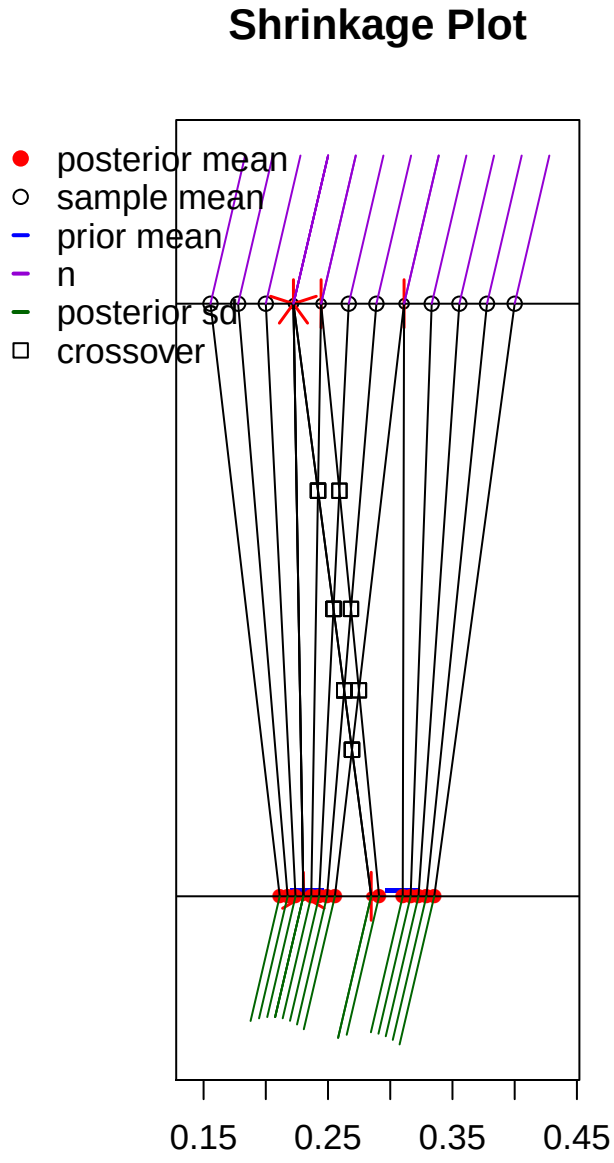

95 % Interval Estimates
0.45
0.40
0.35
0.30
0.25
0.20
0.15
5
10
15
help("Rgbp-package")
Units sorted by the increasing order o

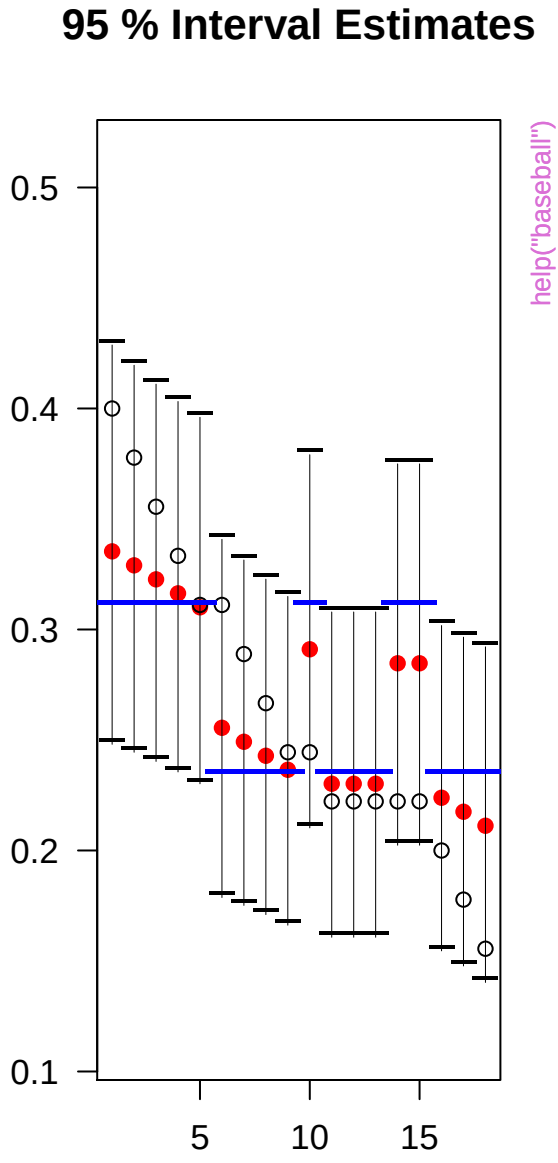

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45


95 % Interval Estimates
0.45
0.40
0.35
0.30
0.25
0.20
0.15
5
10
15
help("Rgbp-package")
ndices (Groups) by the order of data i

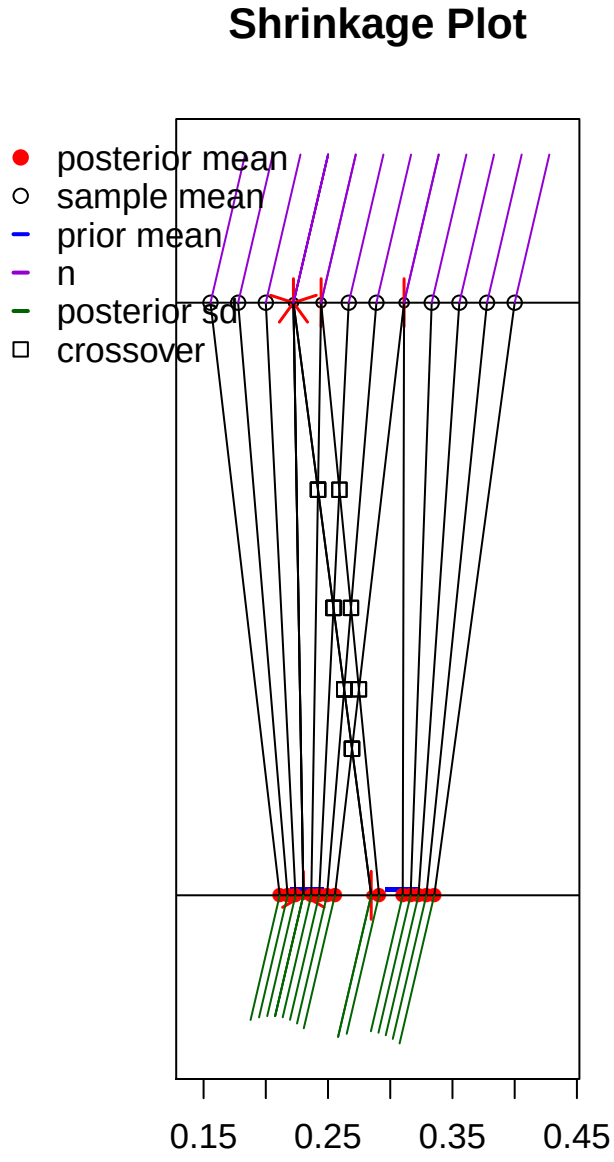

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 128.95
AvgCoverage = 0.966 (0.972)
help("Rgbp−package")

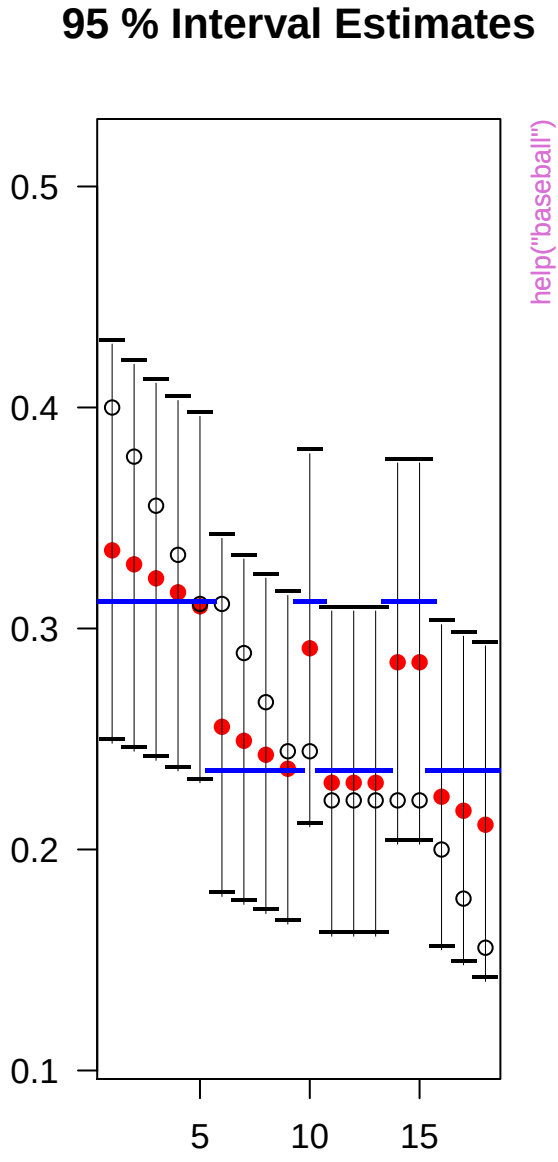

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
AvgCoverage = 0.961 (0.939)
help("Rgbp−package")



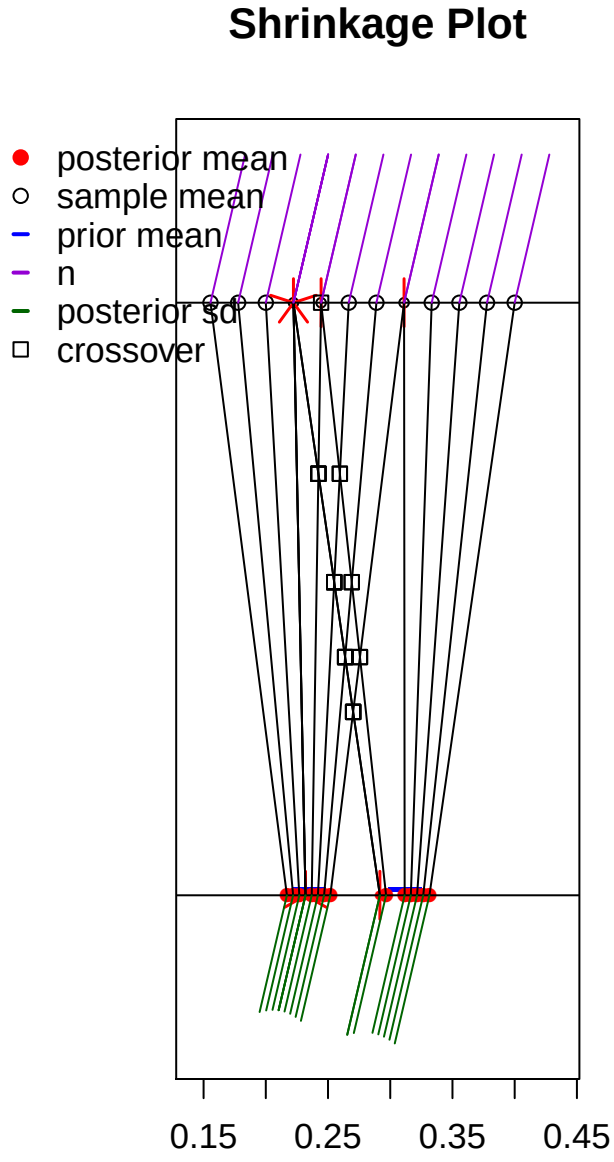


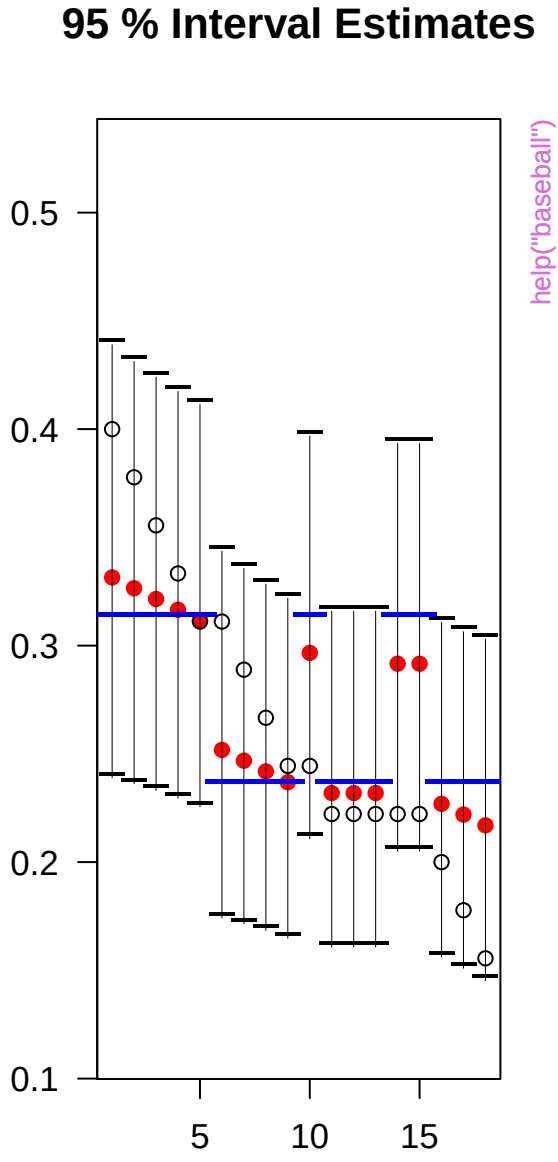
Units sorted by the increasing order o

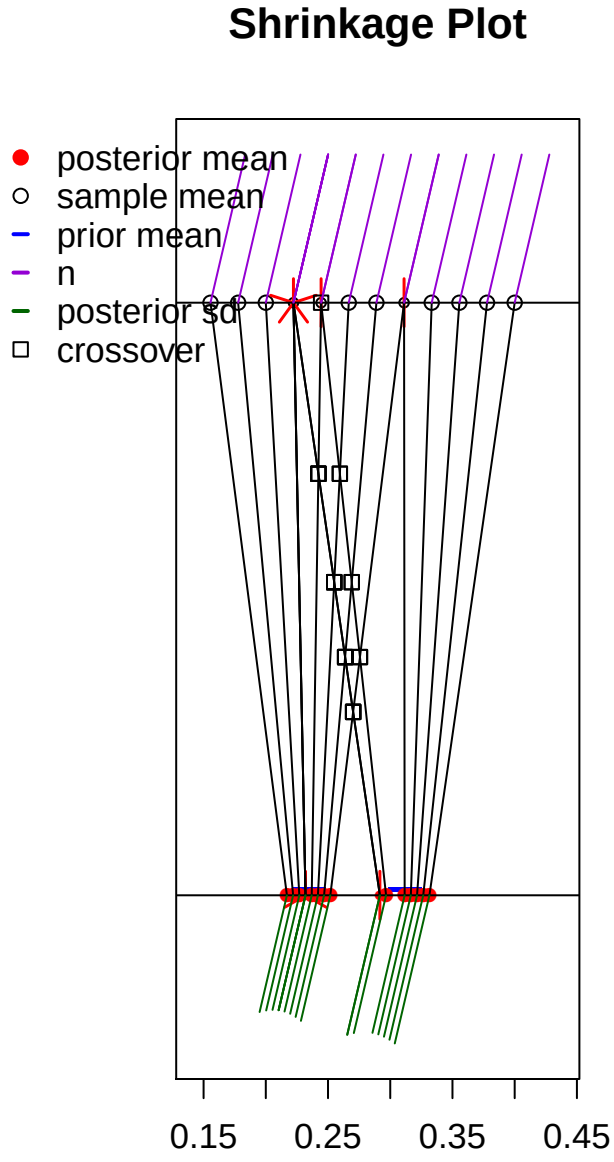


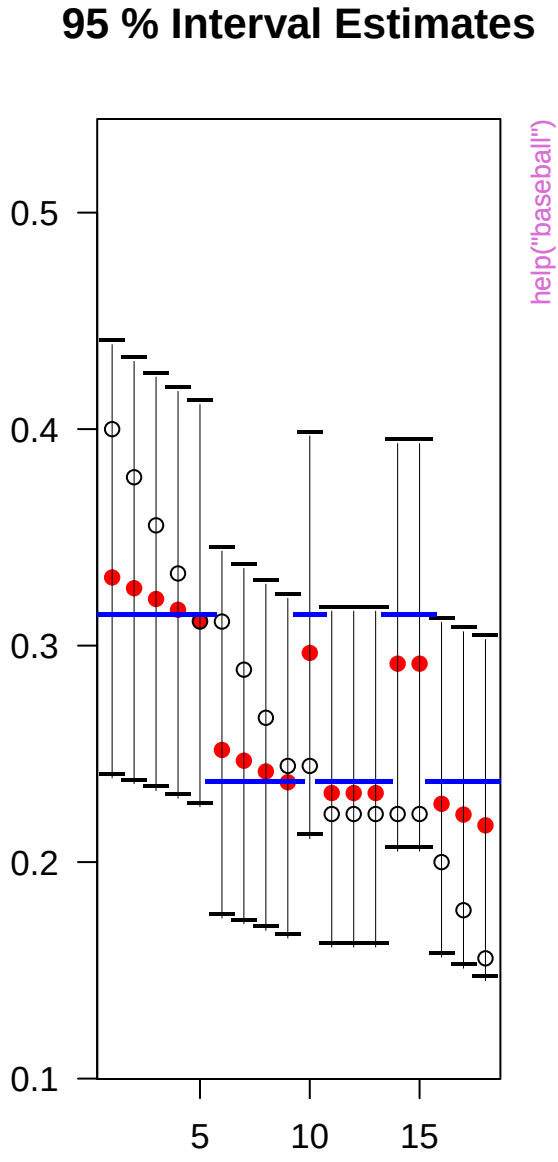


ndices (Groups) by the order of data i

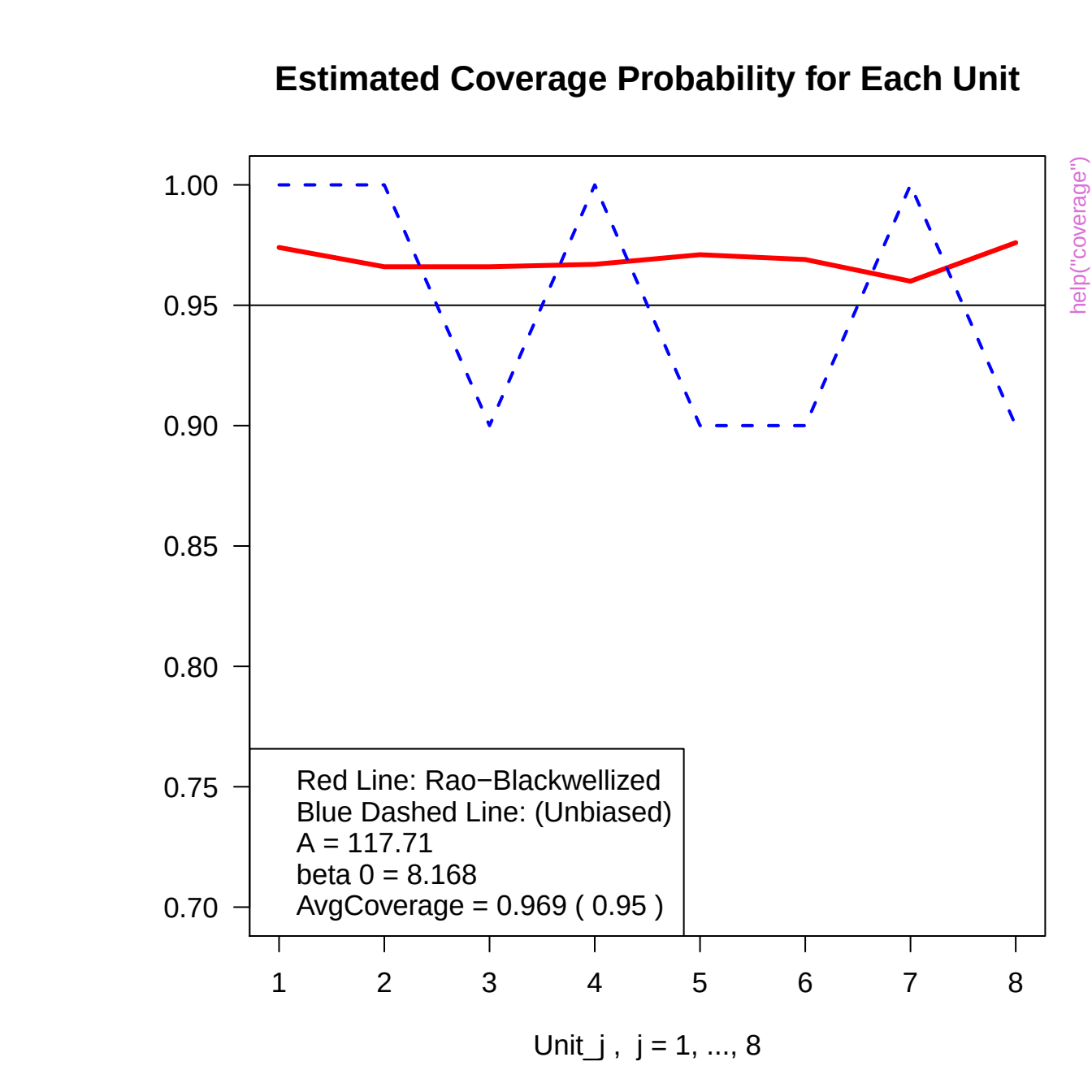

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45

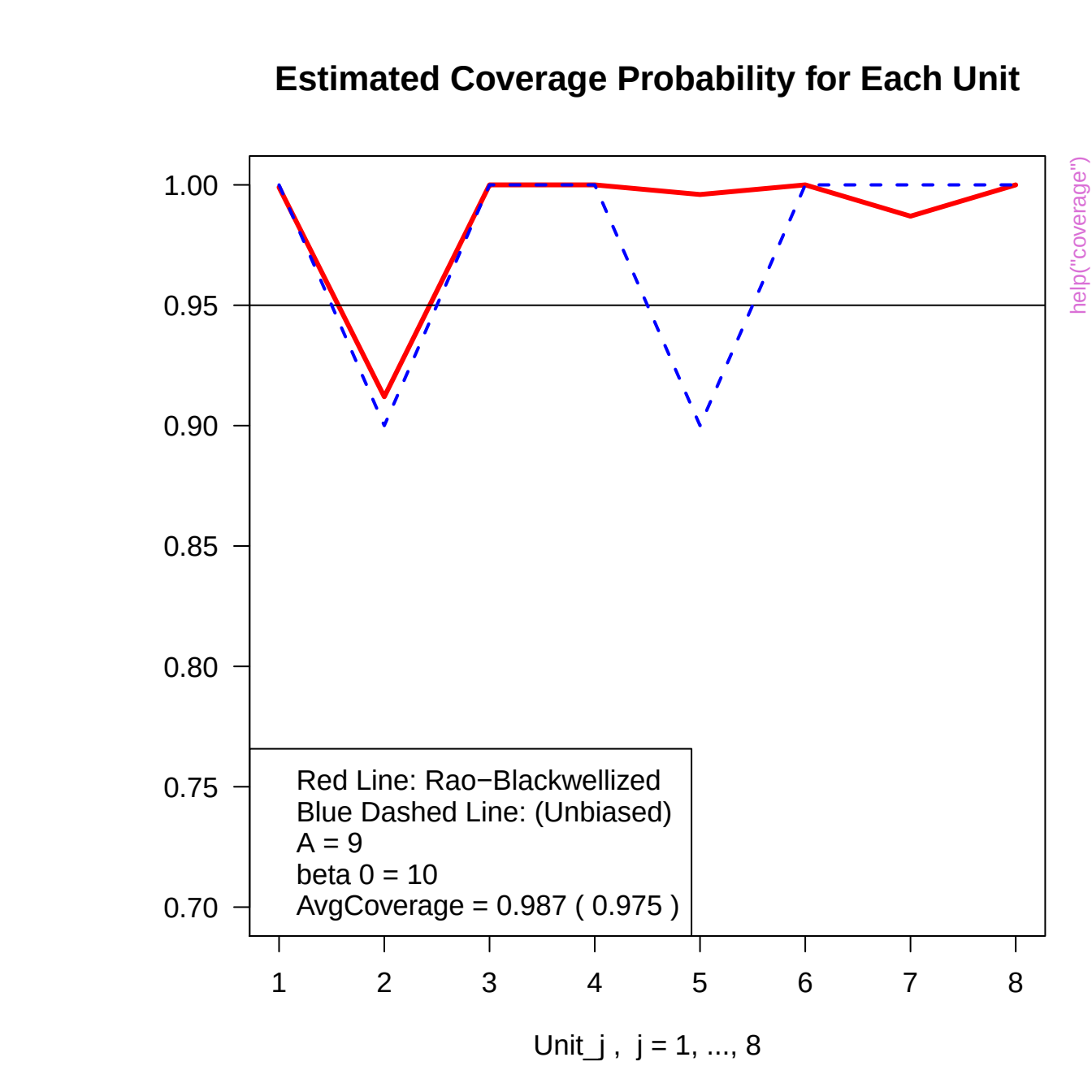

95 % Interval Estimates
help("baseball")
0.5
0.4
0.3
0.2
0.1
5
10
15
Units sorted by the increasing order o

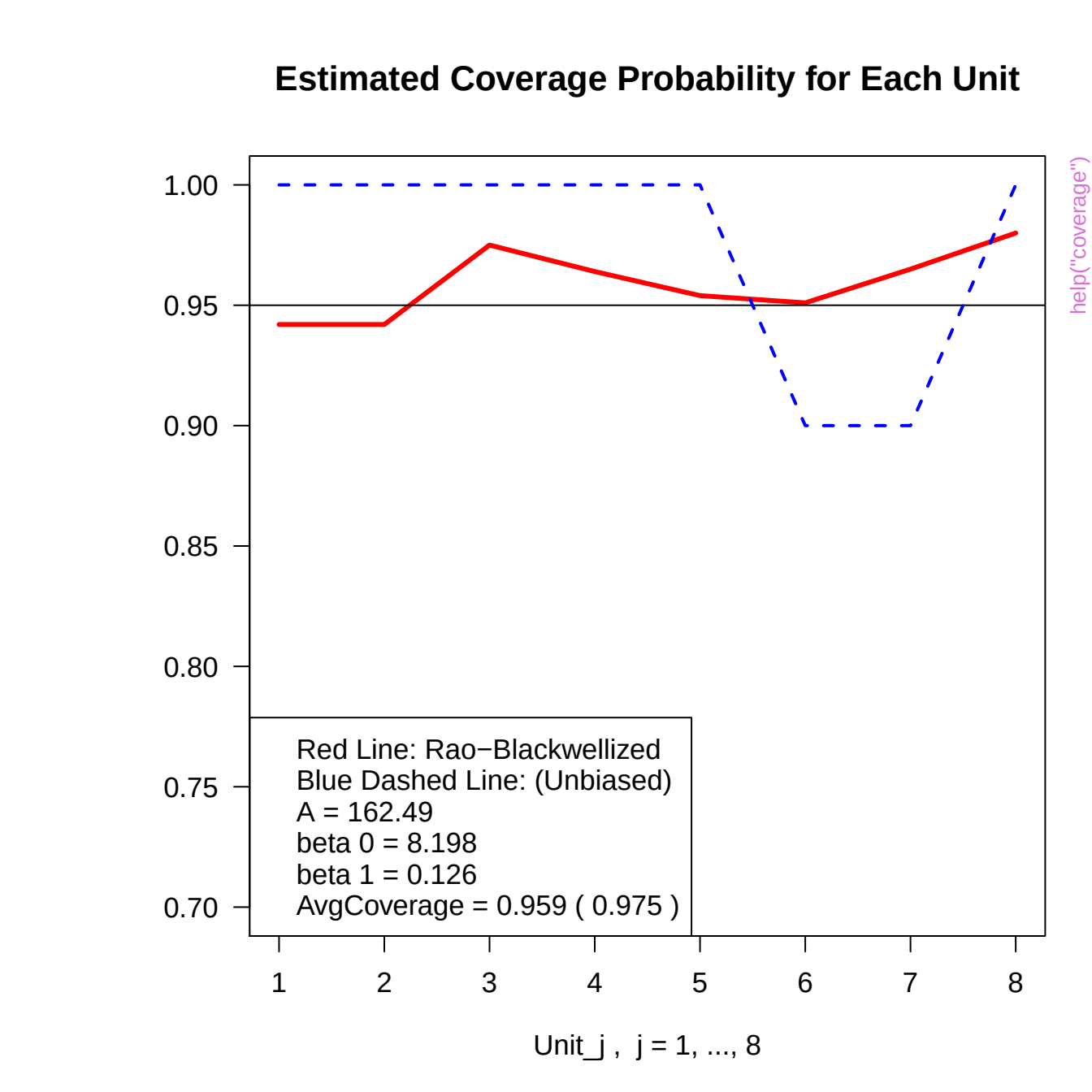


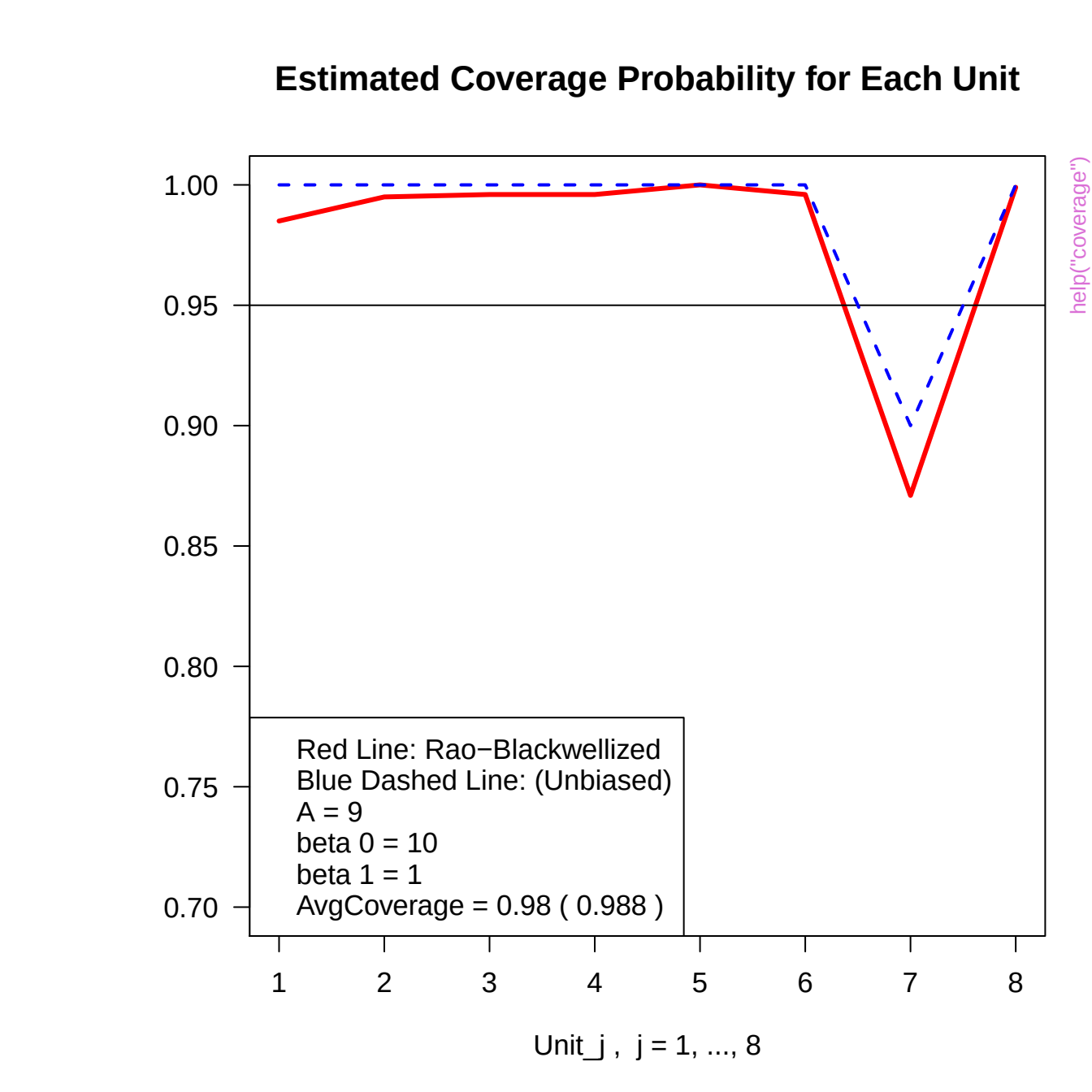


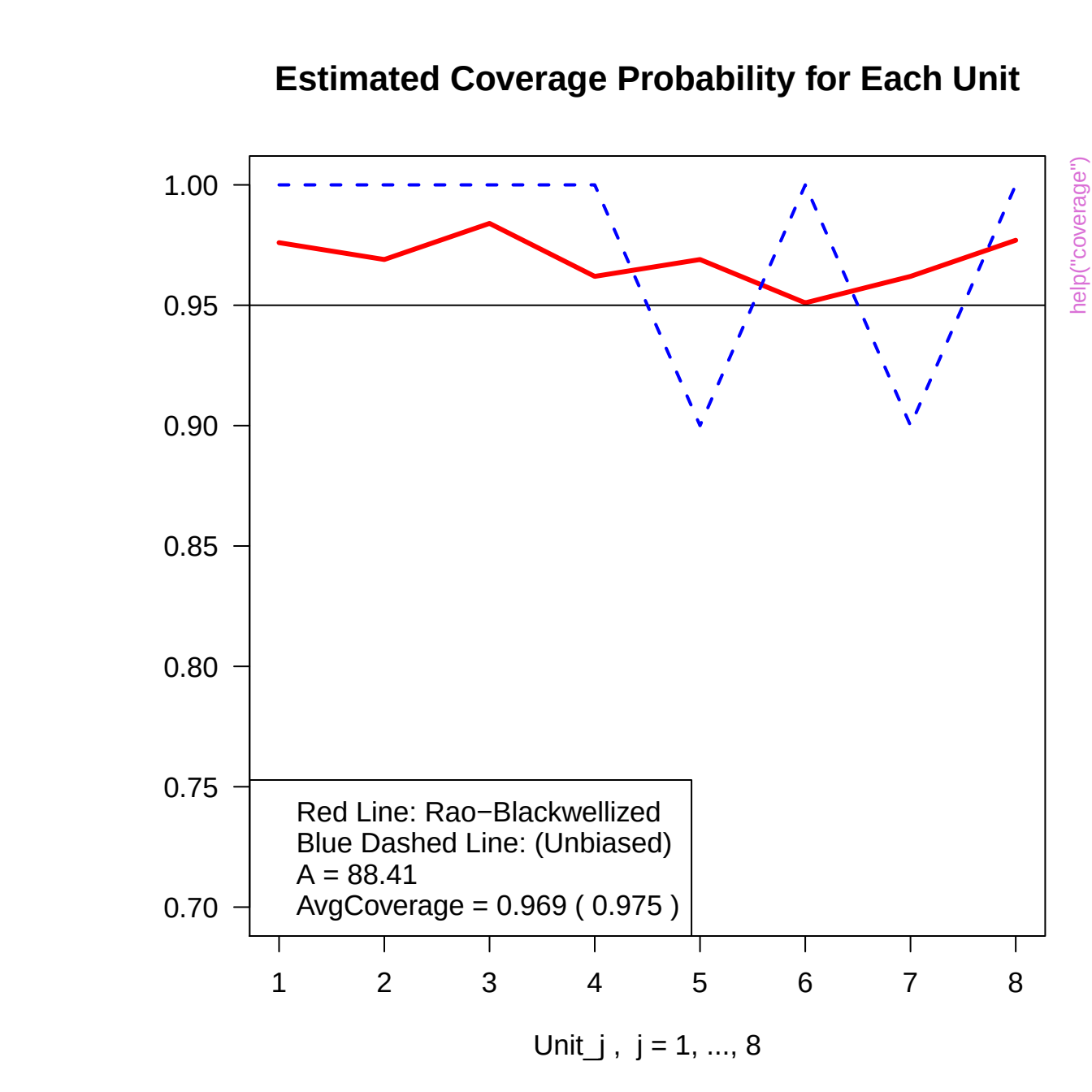
ndices (Groups) by the order of data i

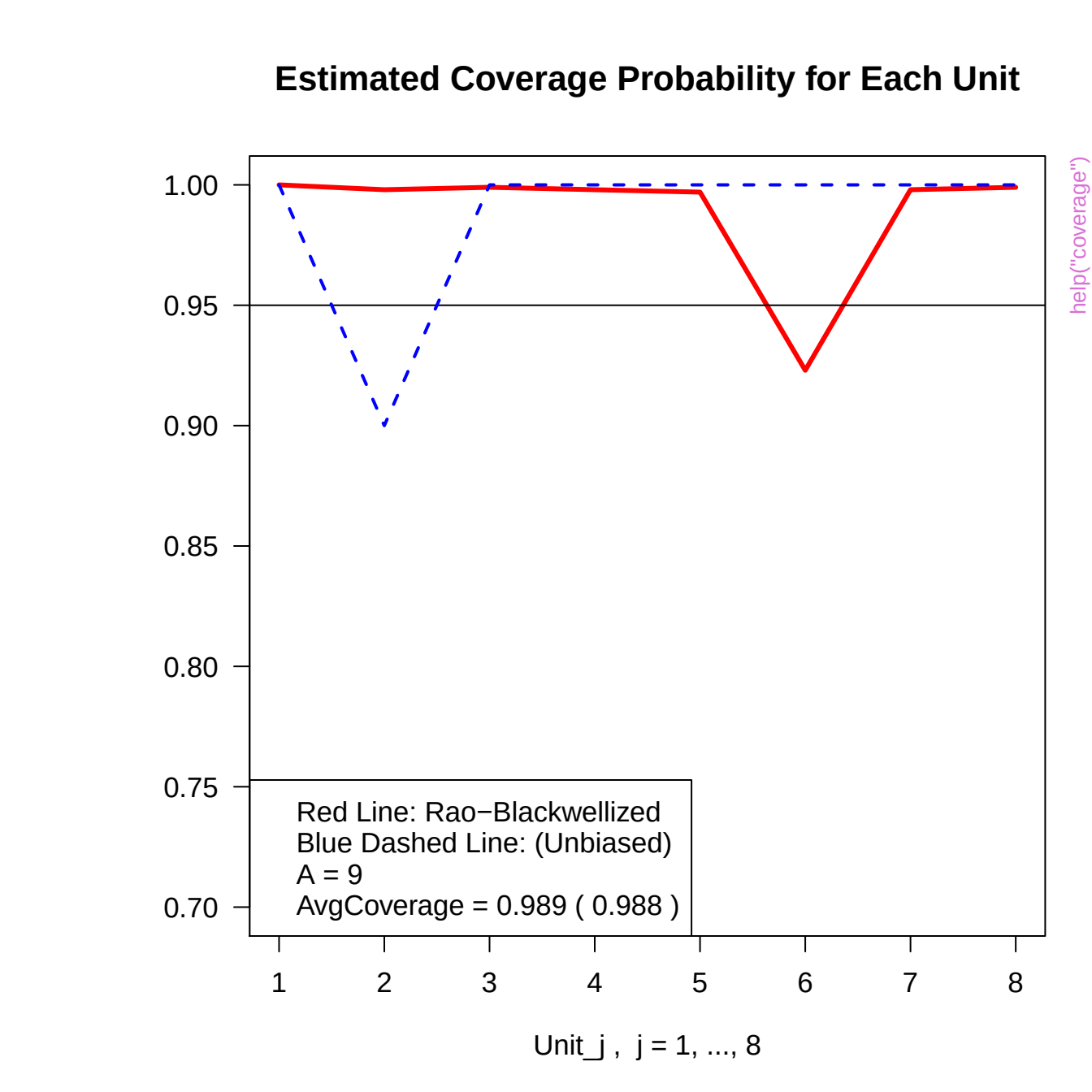

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 117.71
beta 0 = 8.168
AvgCoverage = 0.969 (0.95)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

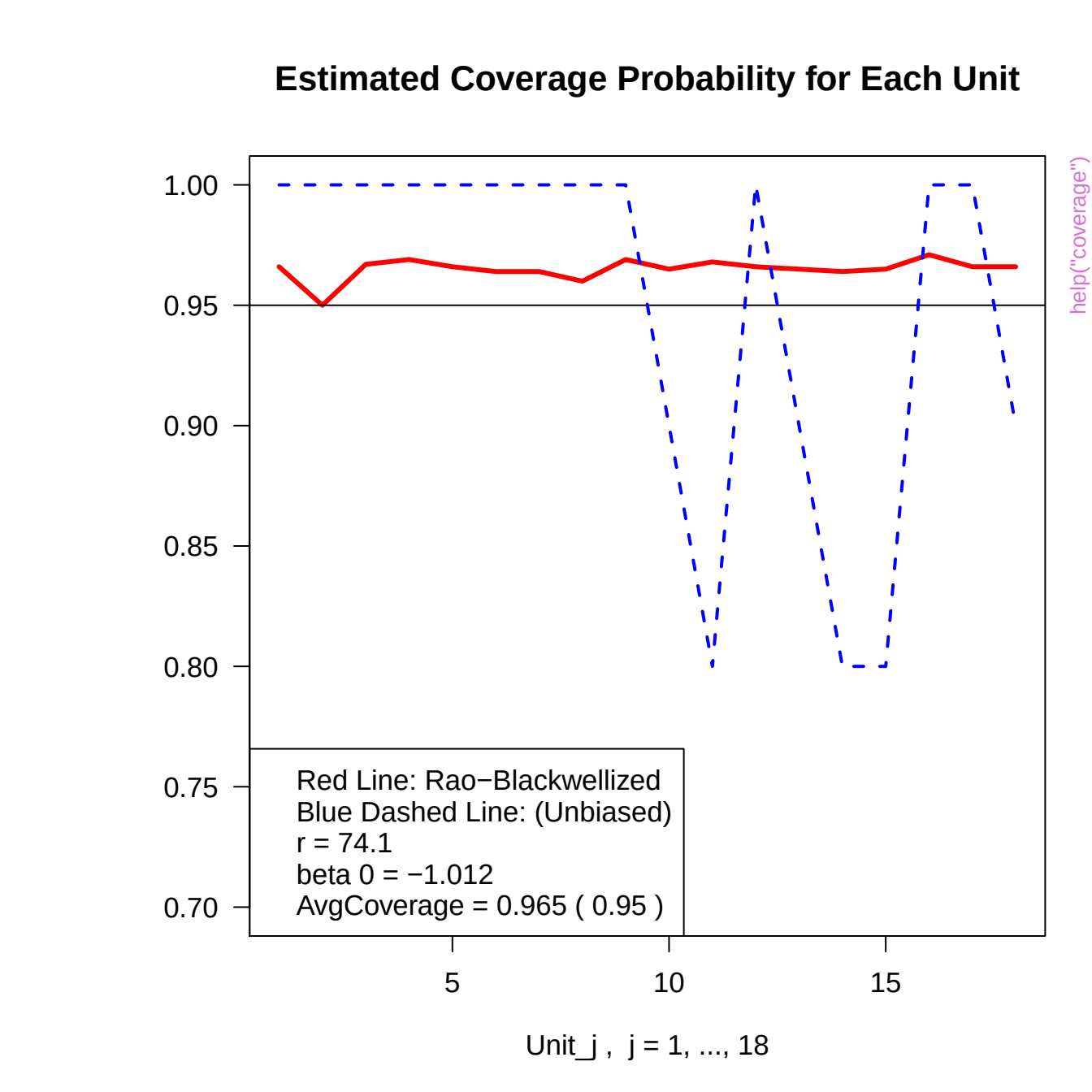

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 9
beta 0 = 10
AvgCoverage = 0.987 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

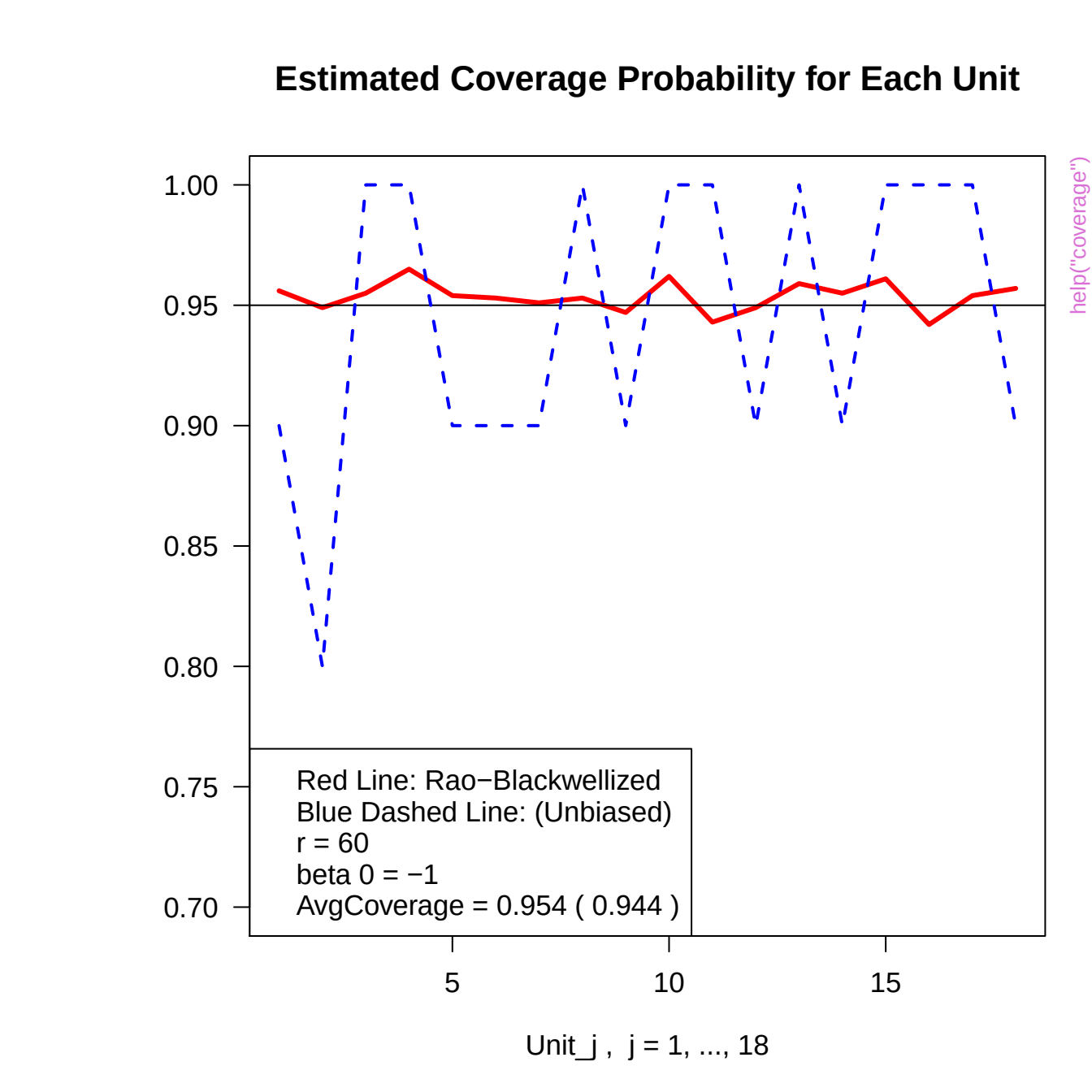

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 162.49
beta 0 = 8.198
beta 1 = 0.126
AvgCoverage = 0.959 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

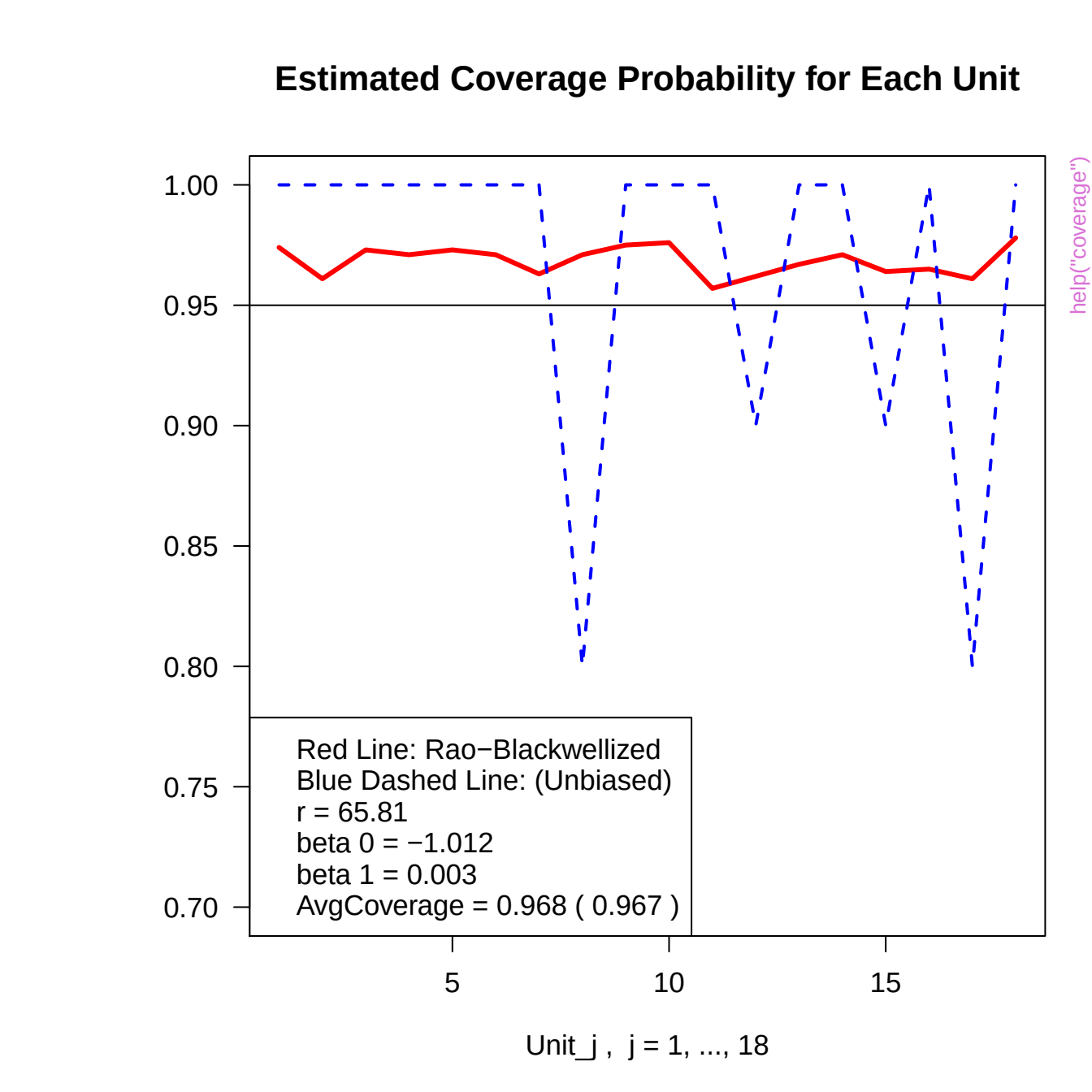

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 9
beta 0 = 10
beta 1 = 1
AvgCoverage = 0.98 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

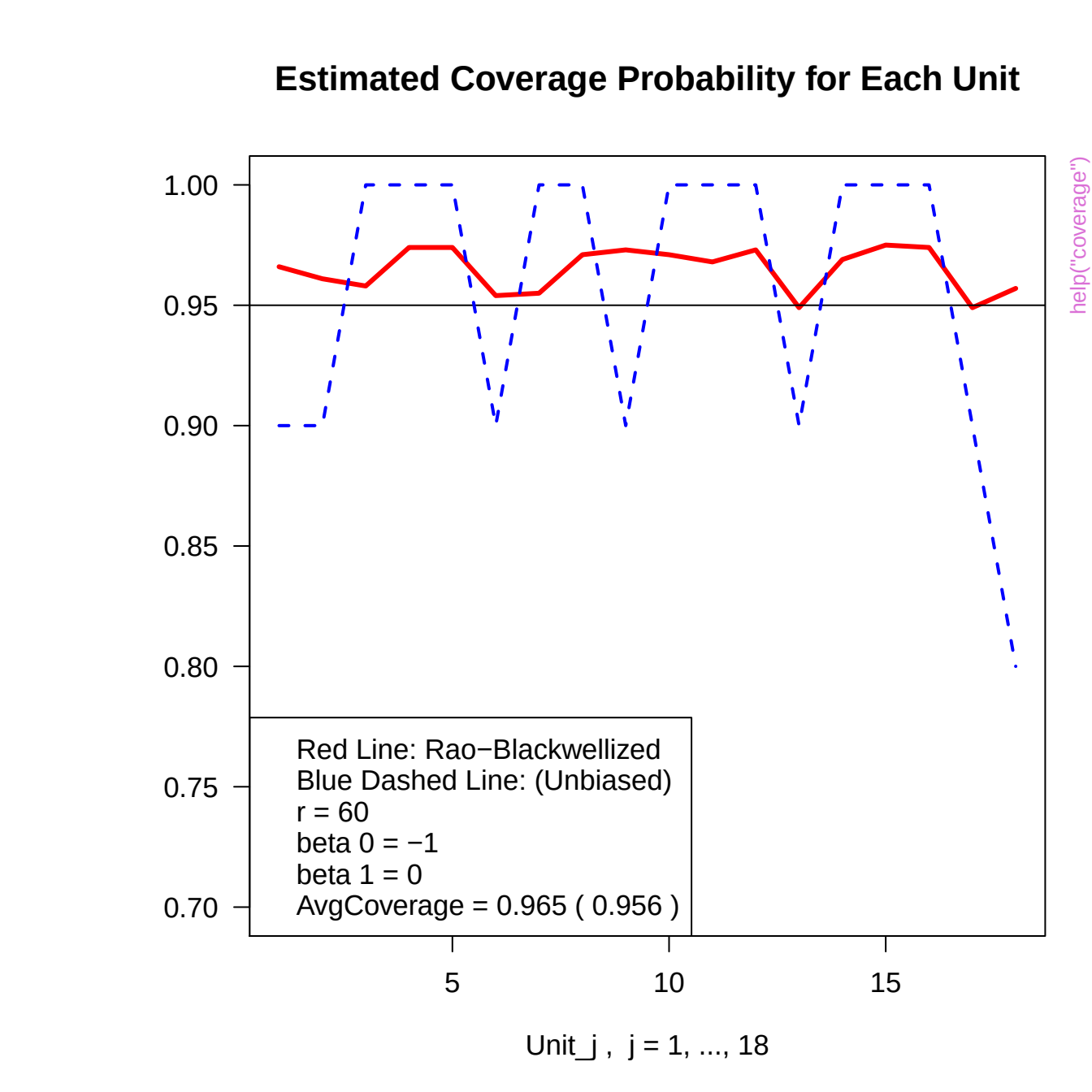

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 88.41
AvgCoverage = 0.969 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

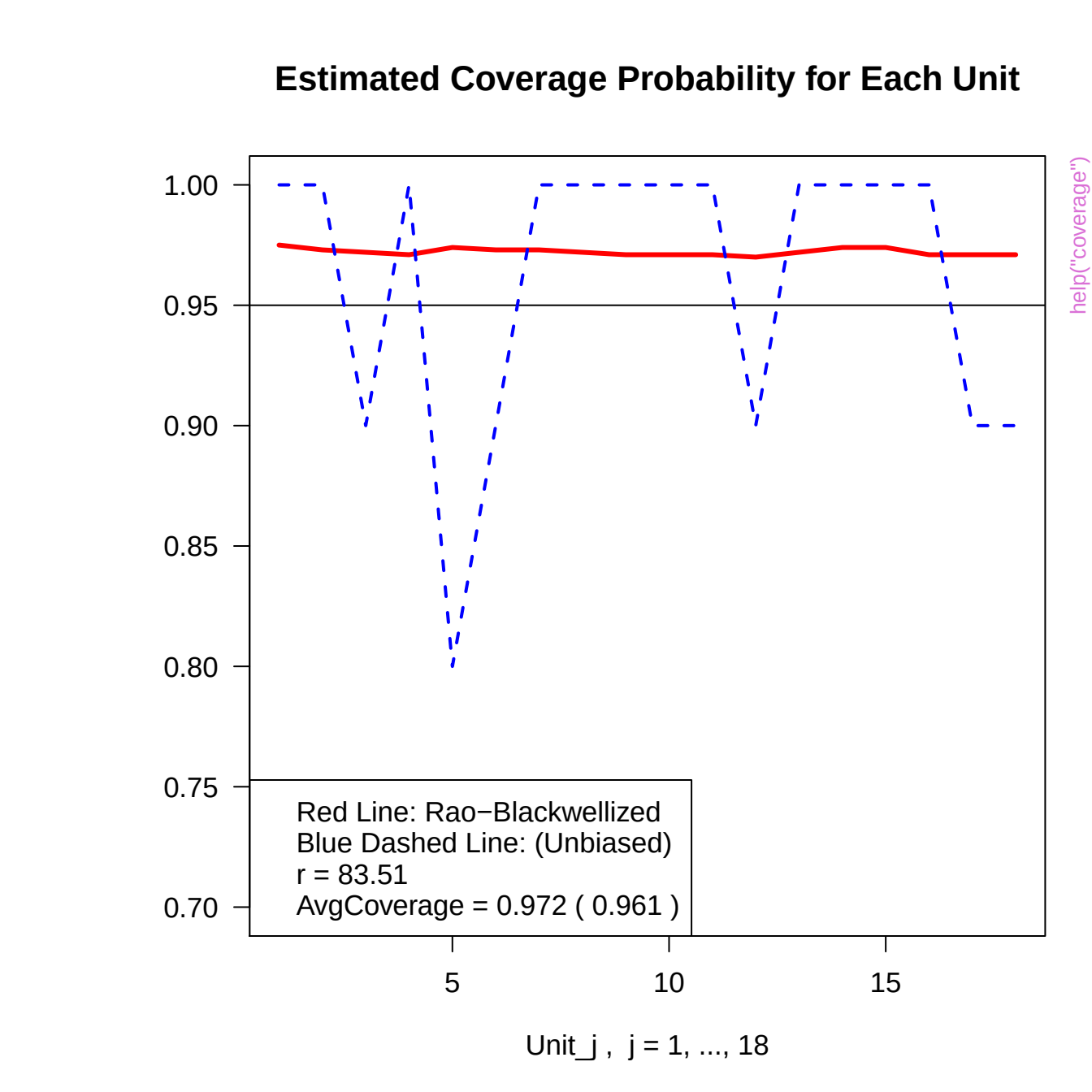

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 9
AvgCoverage = 0.989 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("coverage")

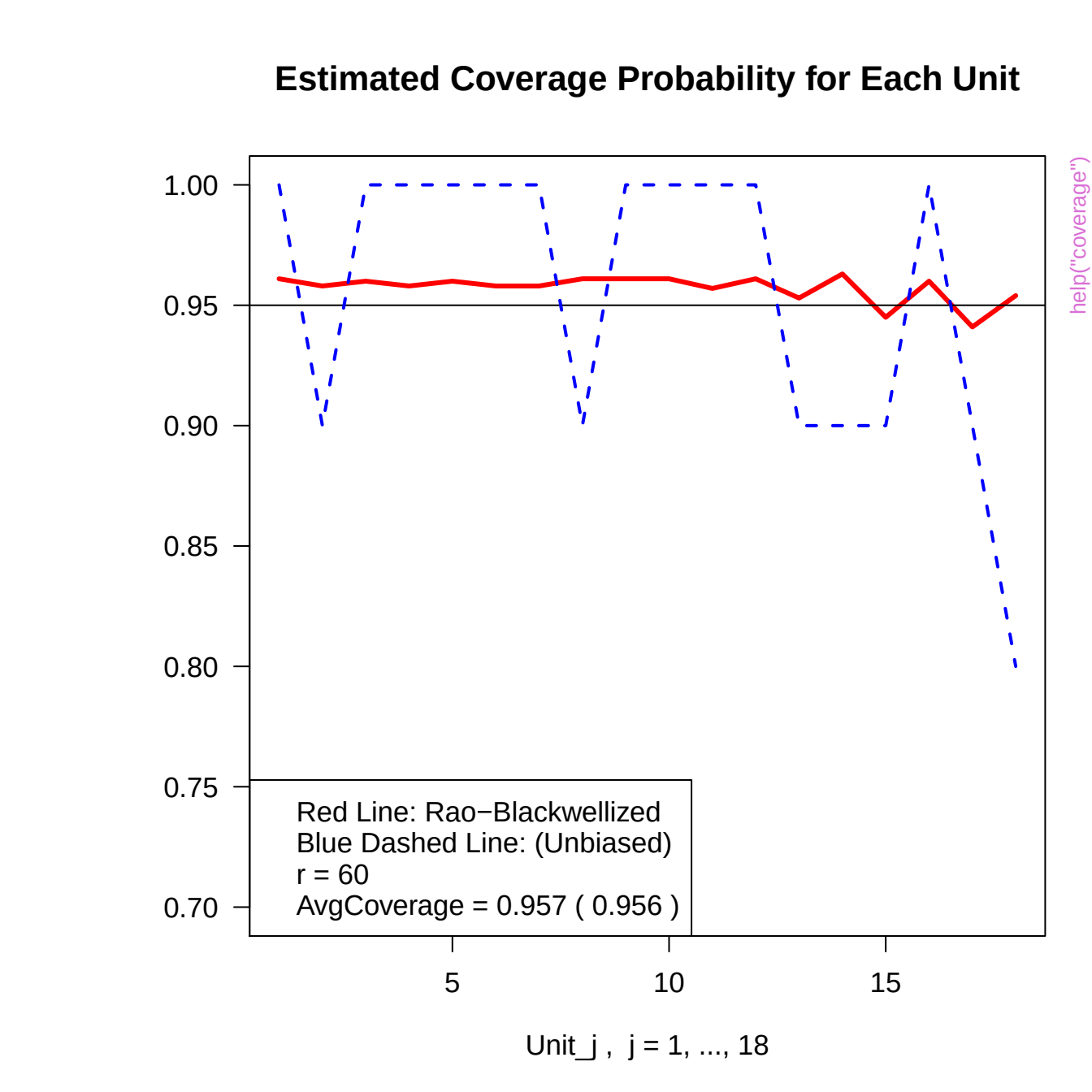

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 74.1
beta 0 = −1.012
AvgCoverage = 0.965 (0.95)
help("coverage")

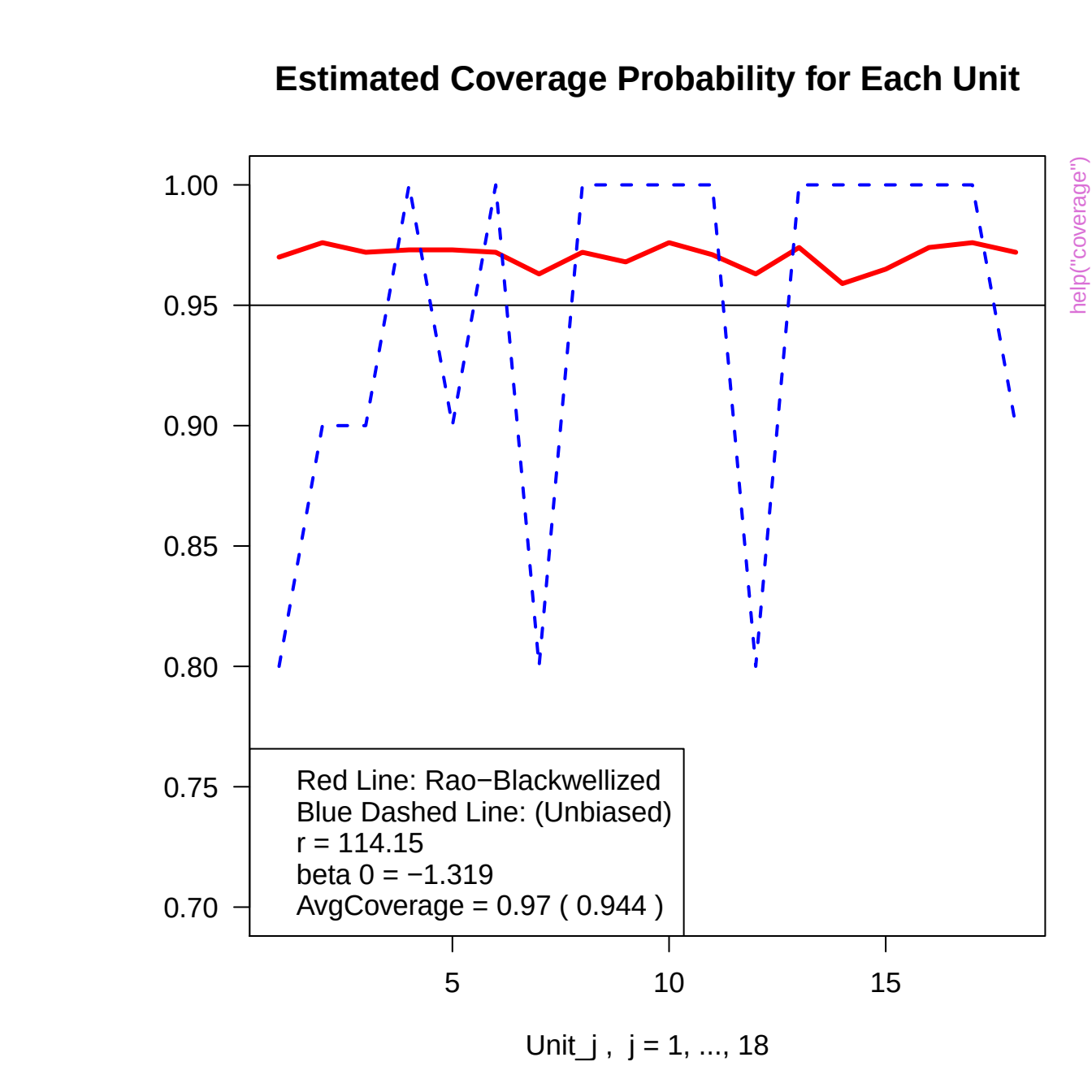

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −1
AvgCoverage = 0.954 (0.944)
help("coverage")

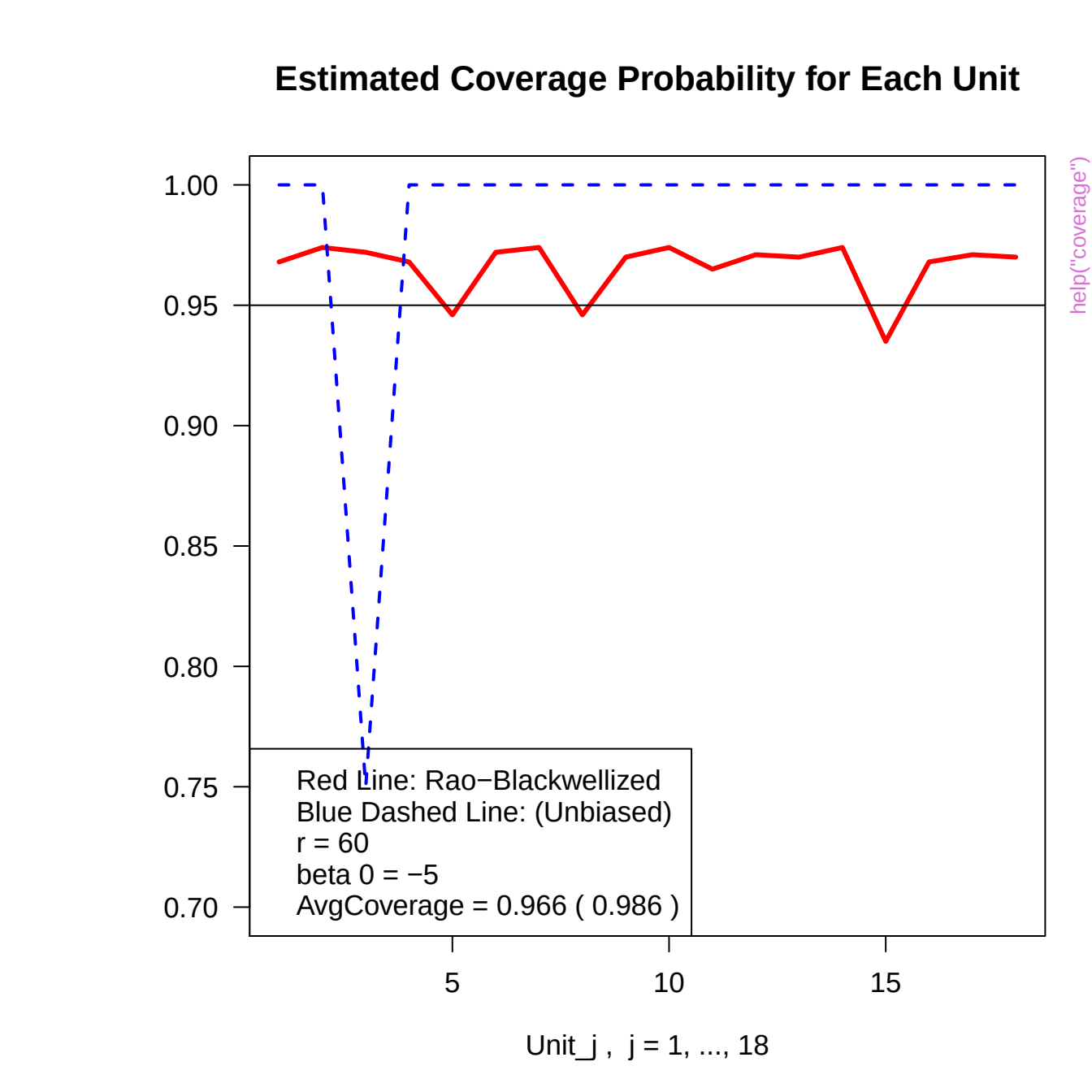

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 65.81
beta 0 = −1.012
beta 1 = 0.003
AvgCoverage = 0.968 (0.967)
help("coverage")

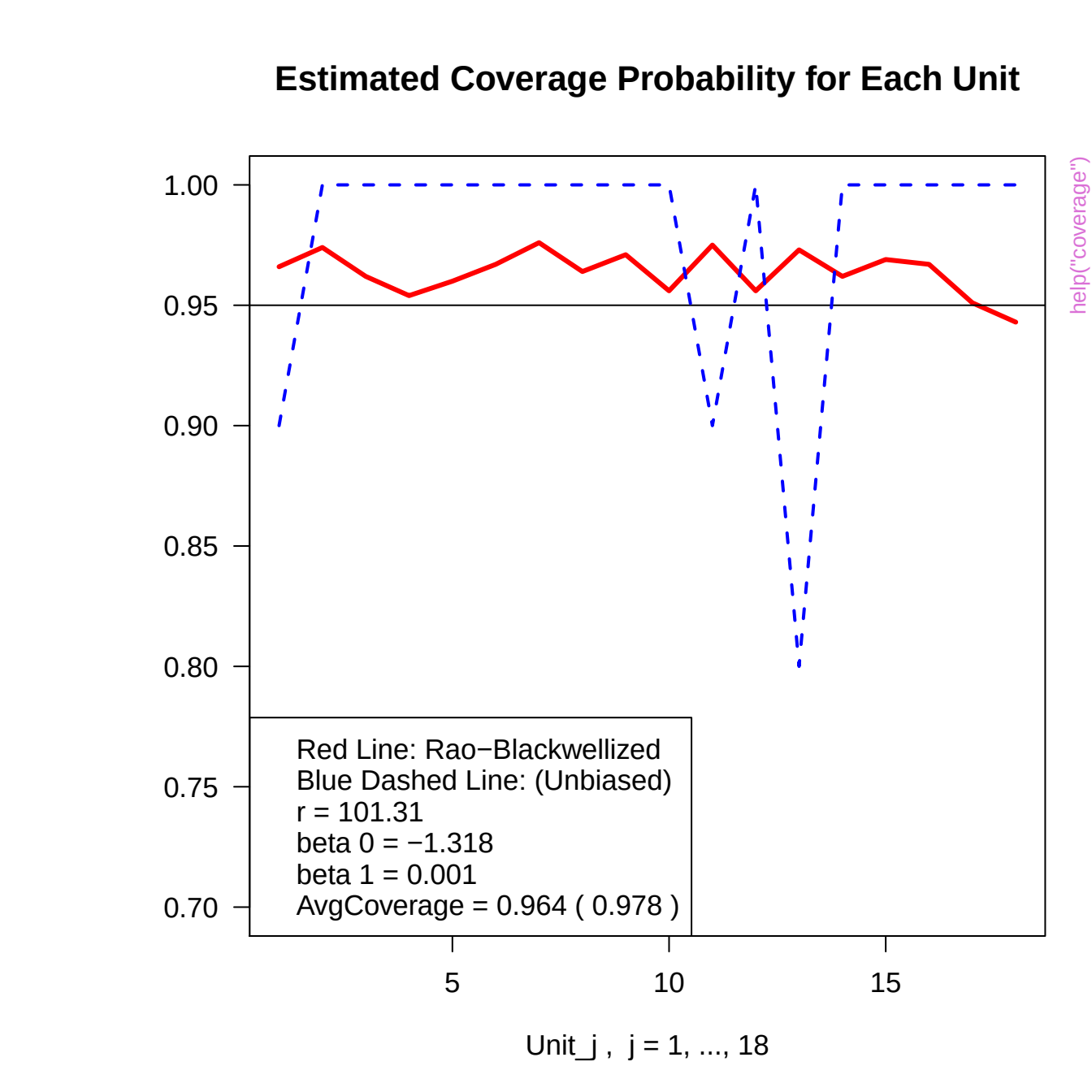

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −1
beta 1 = 0
AvgCoverage = 0.965 (0.956)
help("coverage")

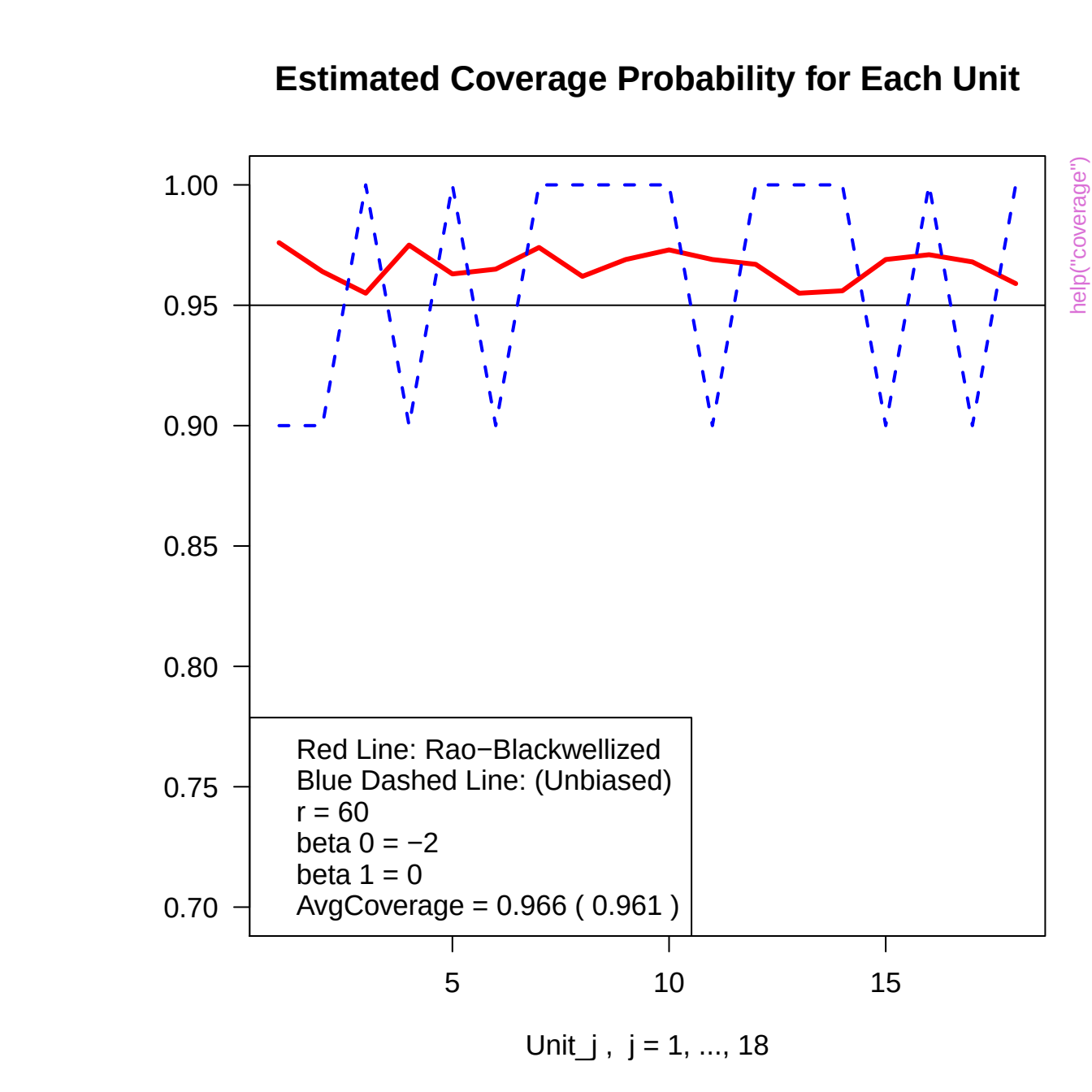

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 83.51
AvgCoverage = 0.972 (0.961)
help("coverage")

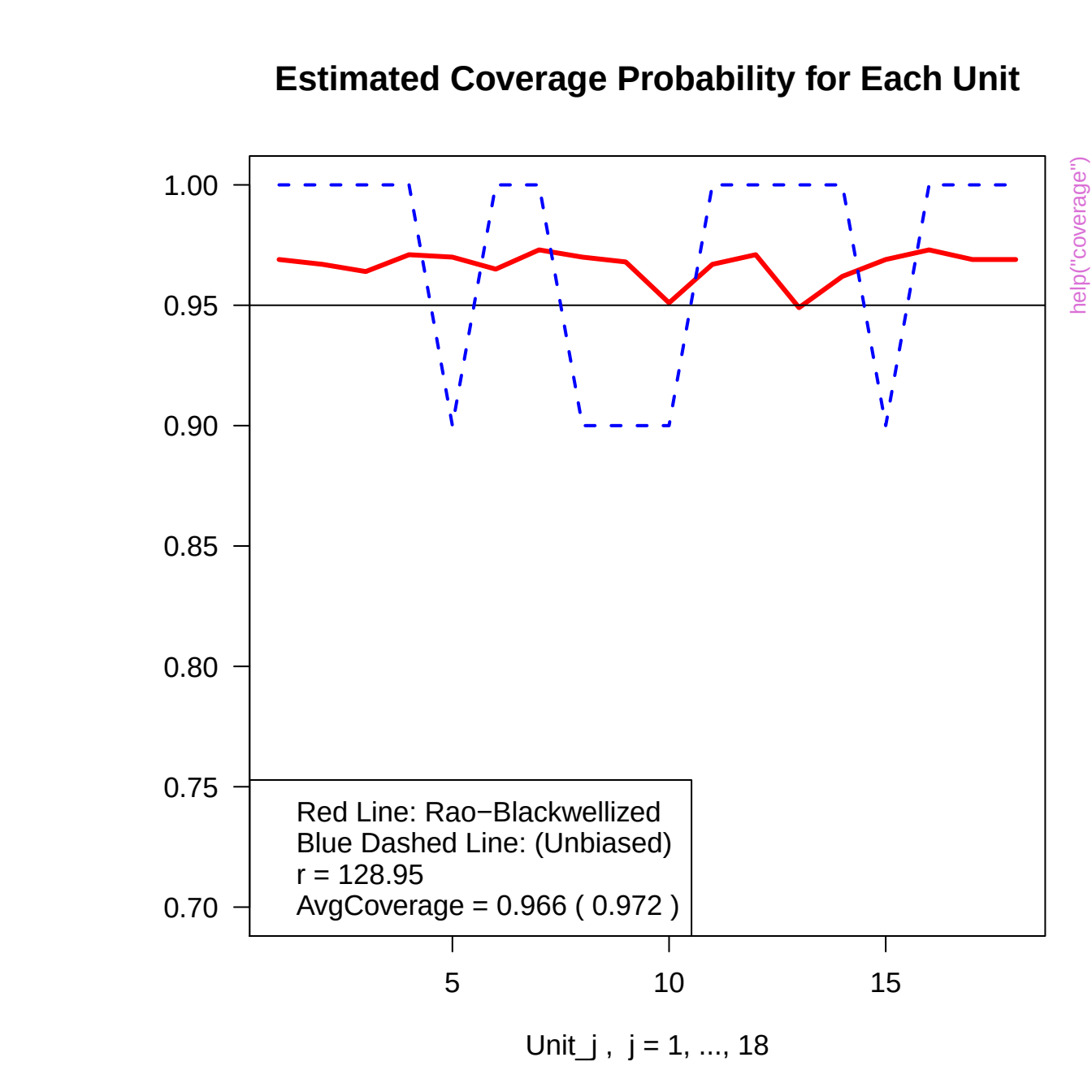

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
AvgCoverage = 0.957 (0.956)
5
10
15
Unit_j , j = 1, ..., 18
help("coverage")

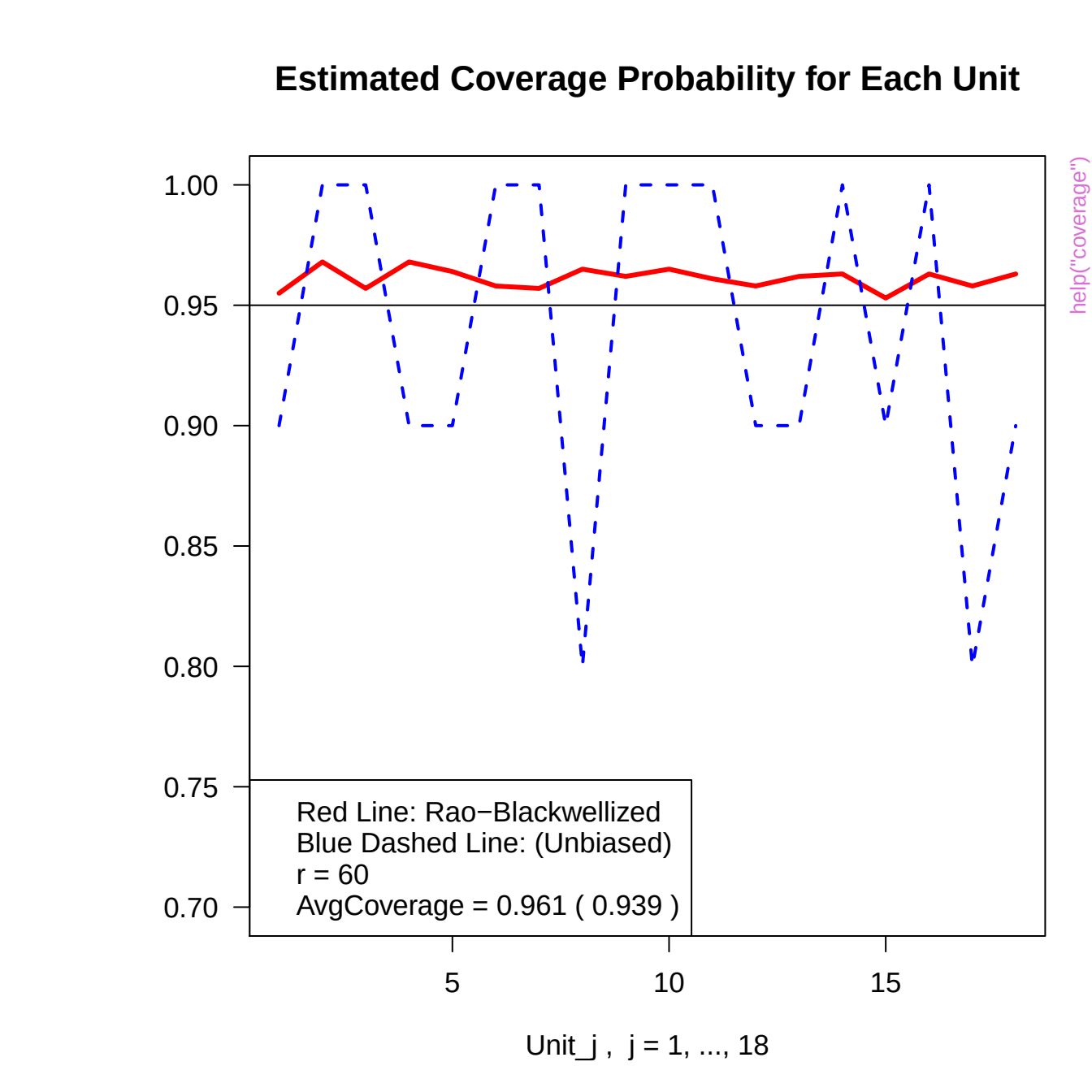

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 114.15
beta 0 = −1.319
AvgCoverage = 0.97 (0.944)
help("coverage")

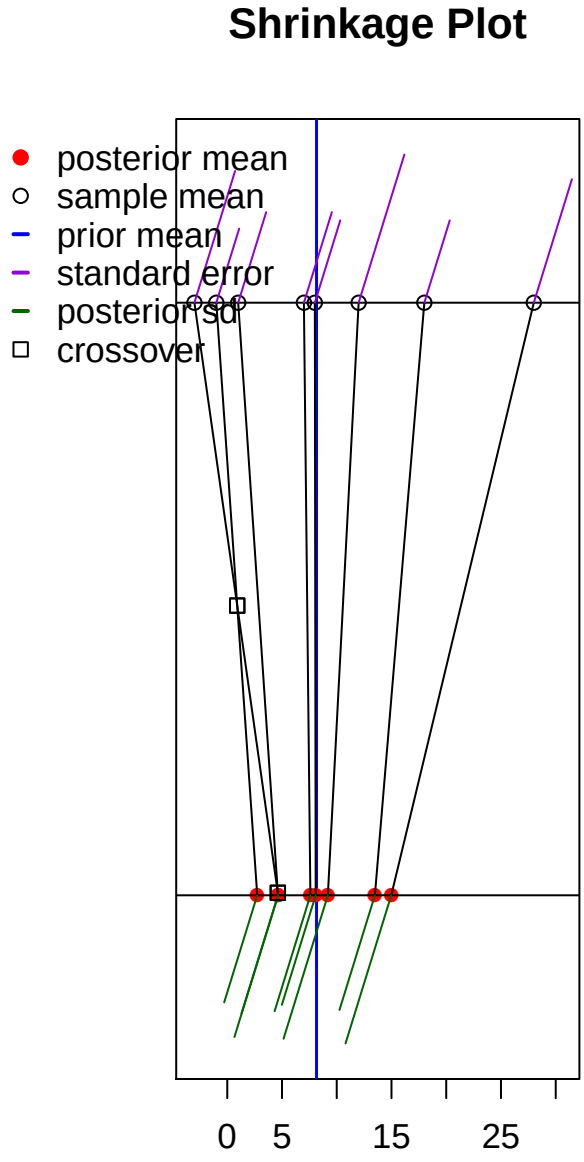

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −5
AvgCoverage = 0.966 (0.986)
help("coverage")

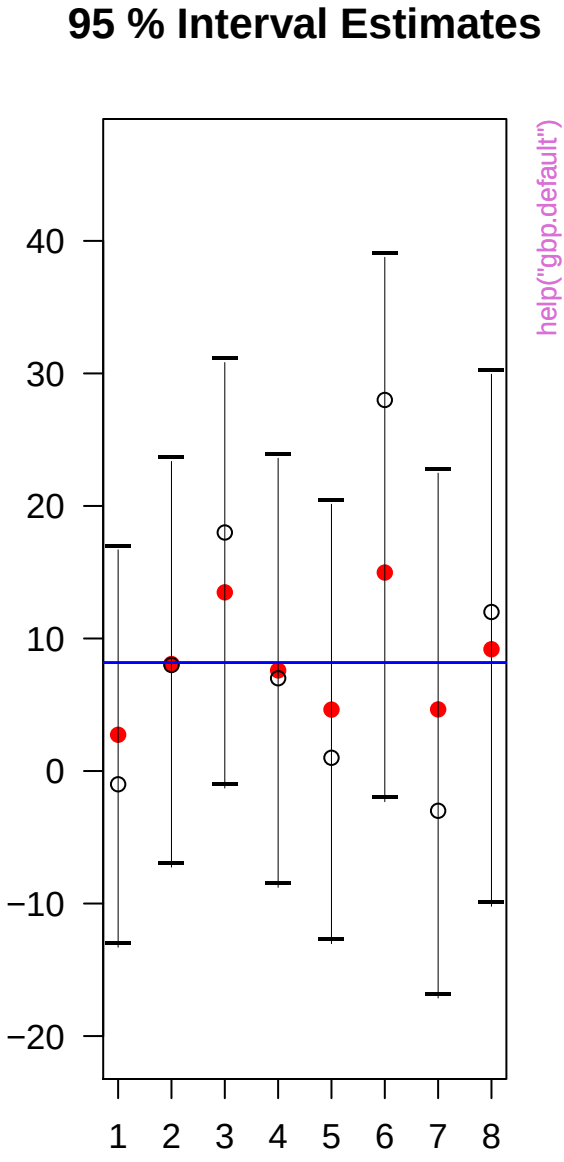

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 101.31
beta 0 = −1.318
beta 1 = 0.001
AvgCoverage = 0.964 (0.978)
help("coverage")


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: (Unbiased)
r = 60
beta 0 = −2
beta 1 = 0
AvgCoverage = 0.966 (0.961)
help("coverage")

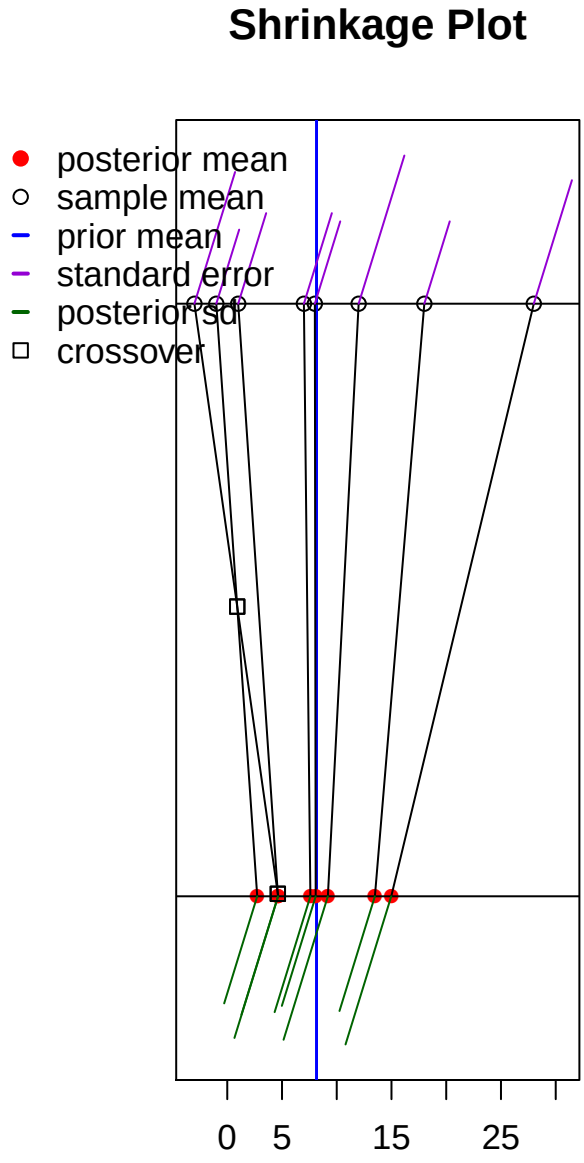

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 128.95
AvgCoverage = 0.966 (0.972)
help("coverage")

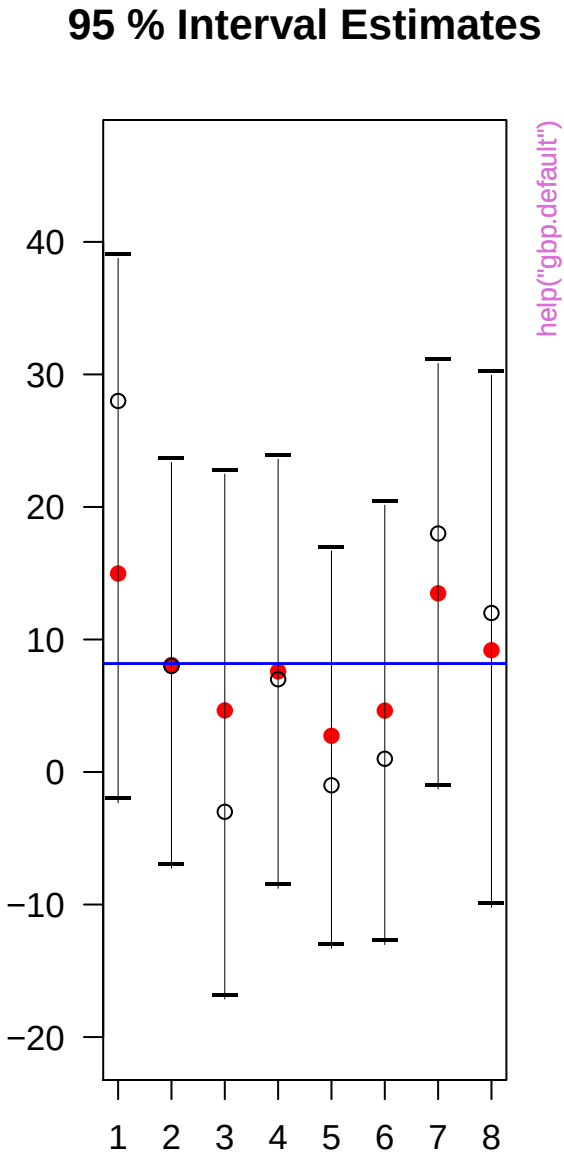

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
AvgCoverage = 0.961 (0.939)
help("coverage")



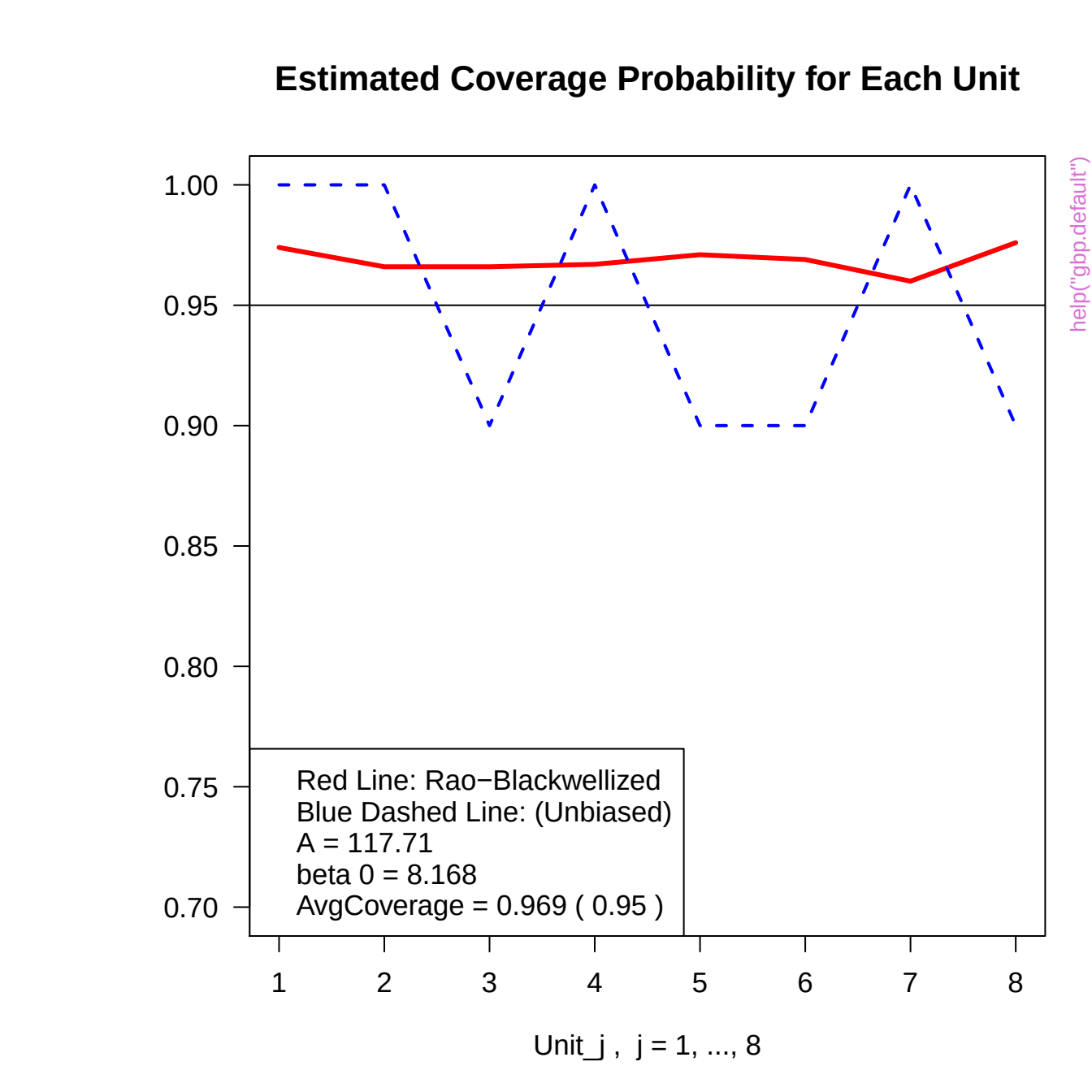


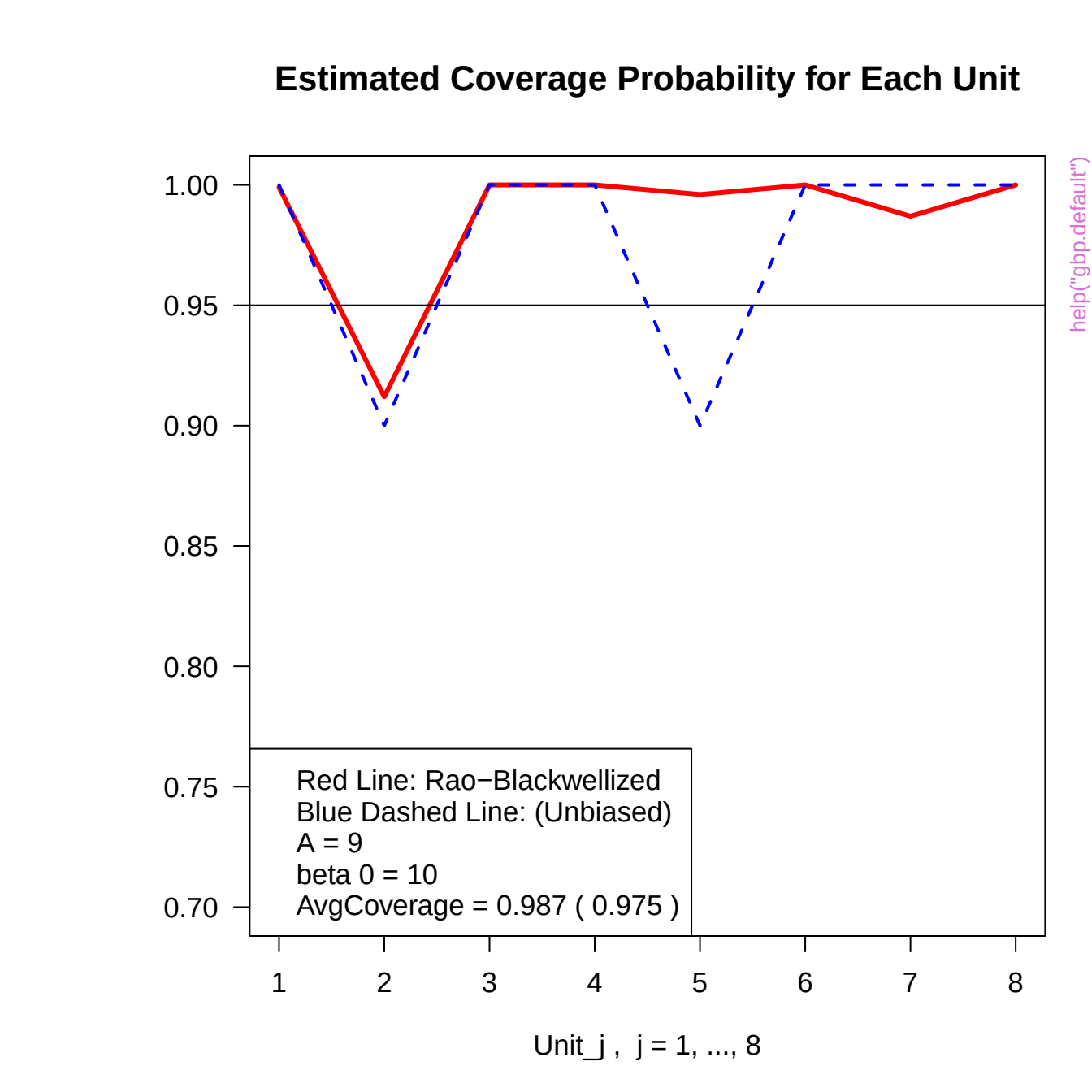
Units sorted by the increasing order o

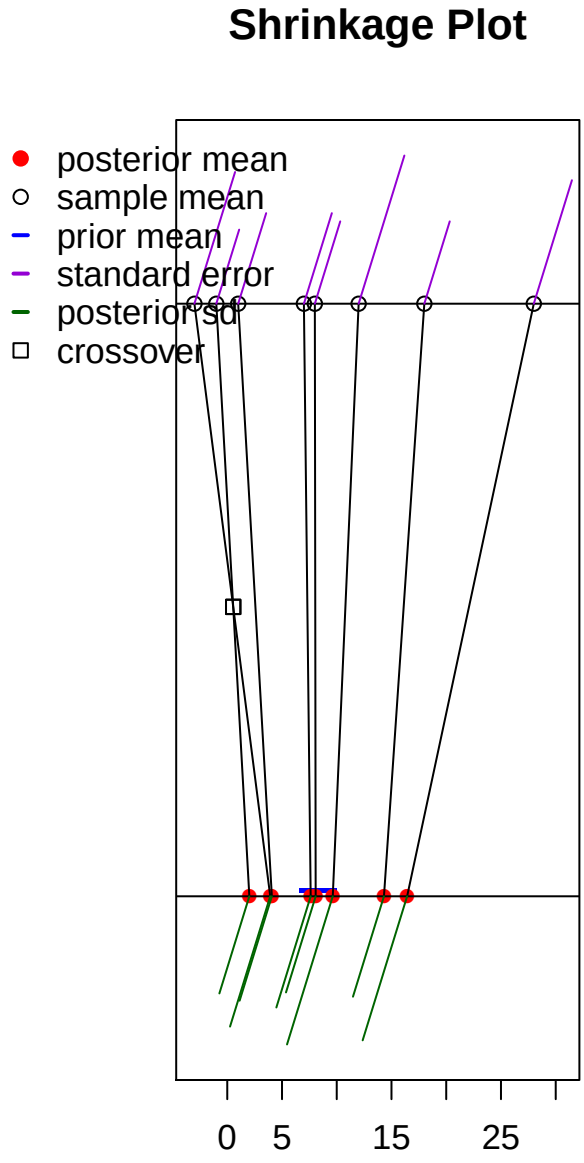


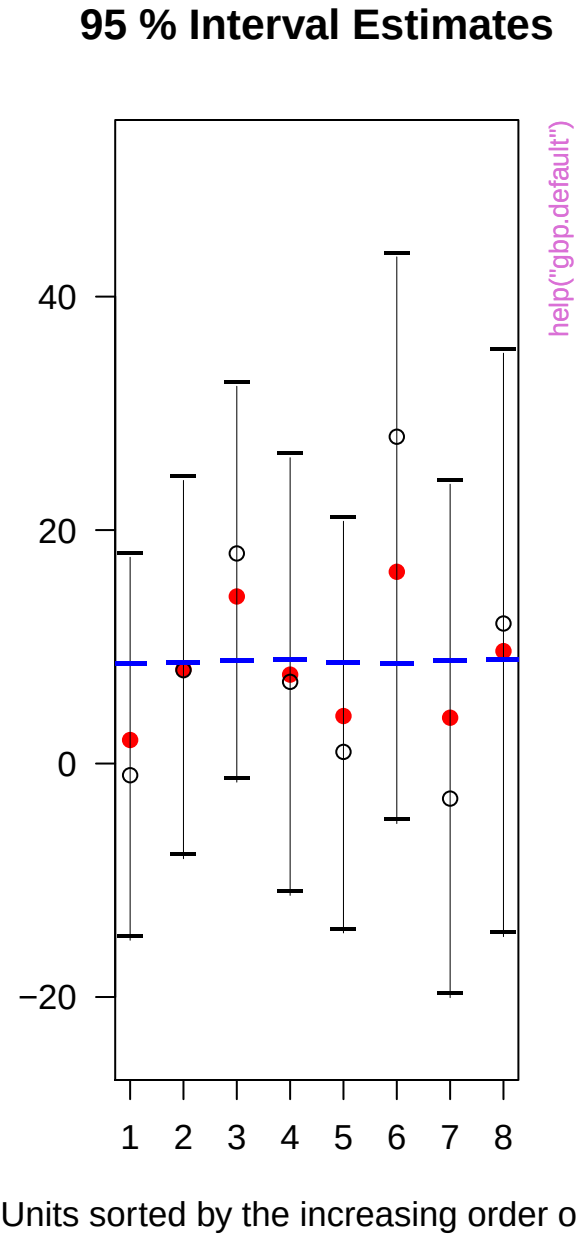


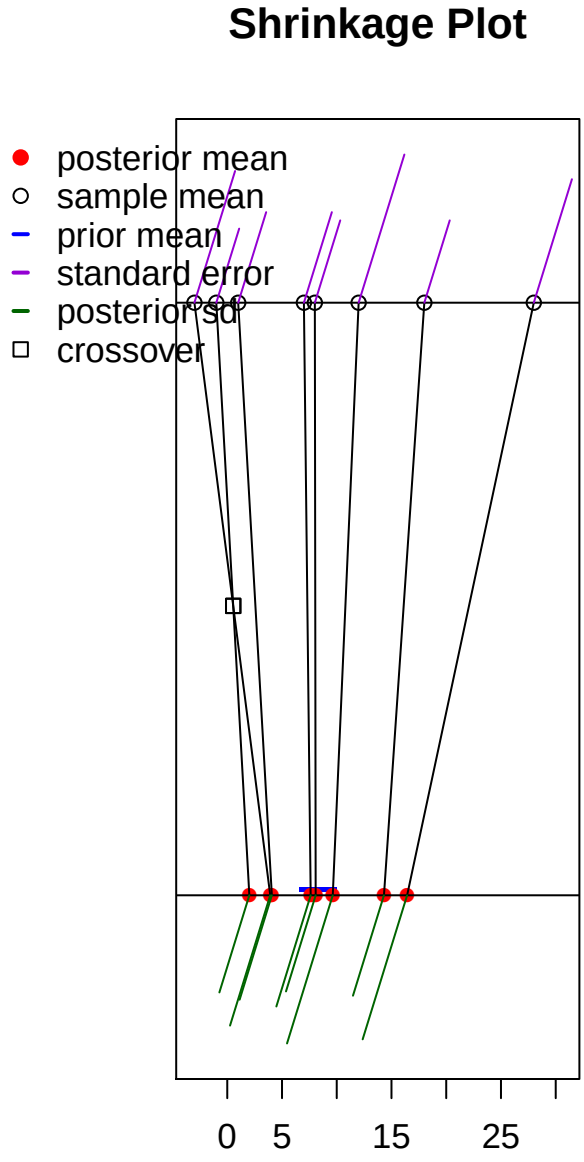
ndices (Groups) by the order of data i

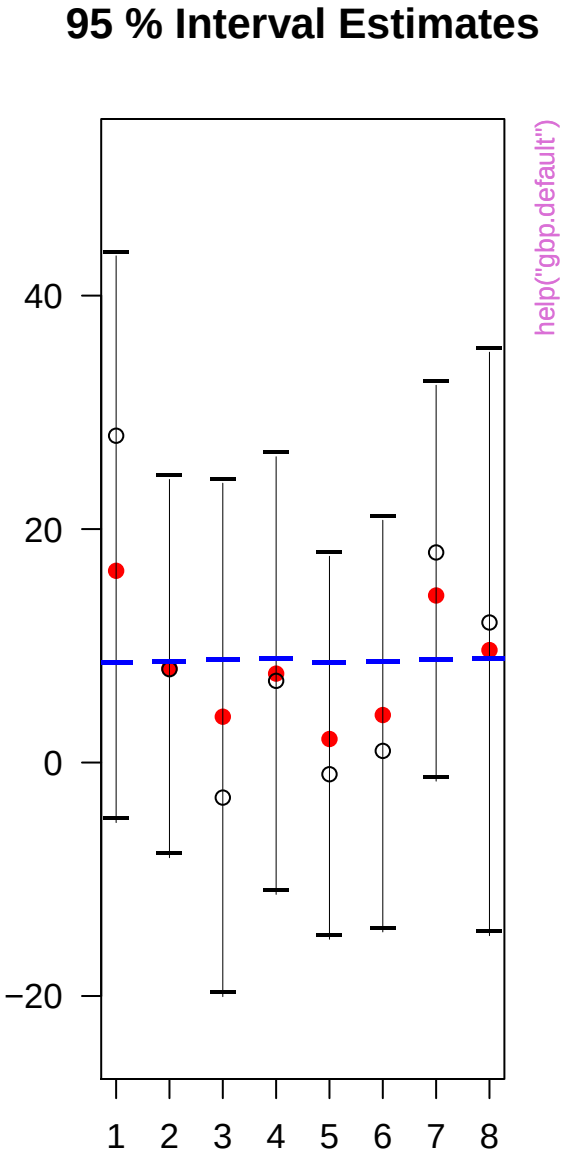

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 117.71
beta 0 = 8.168
AvgCoverage = 0.969 (0.95)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

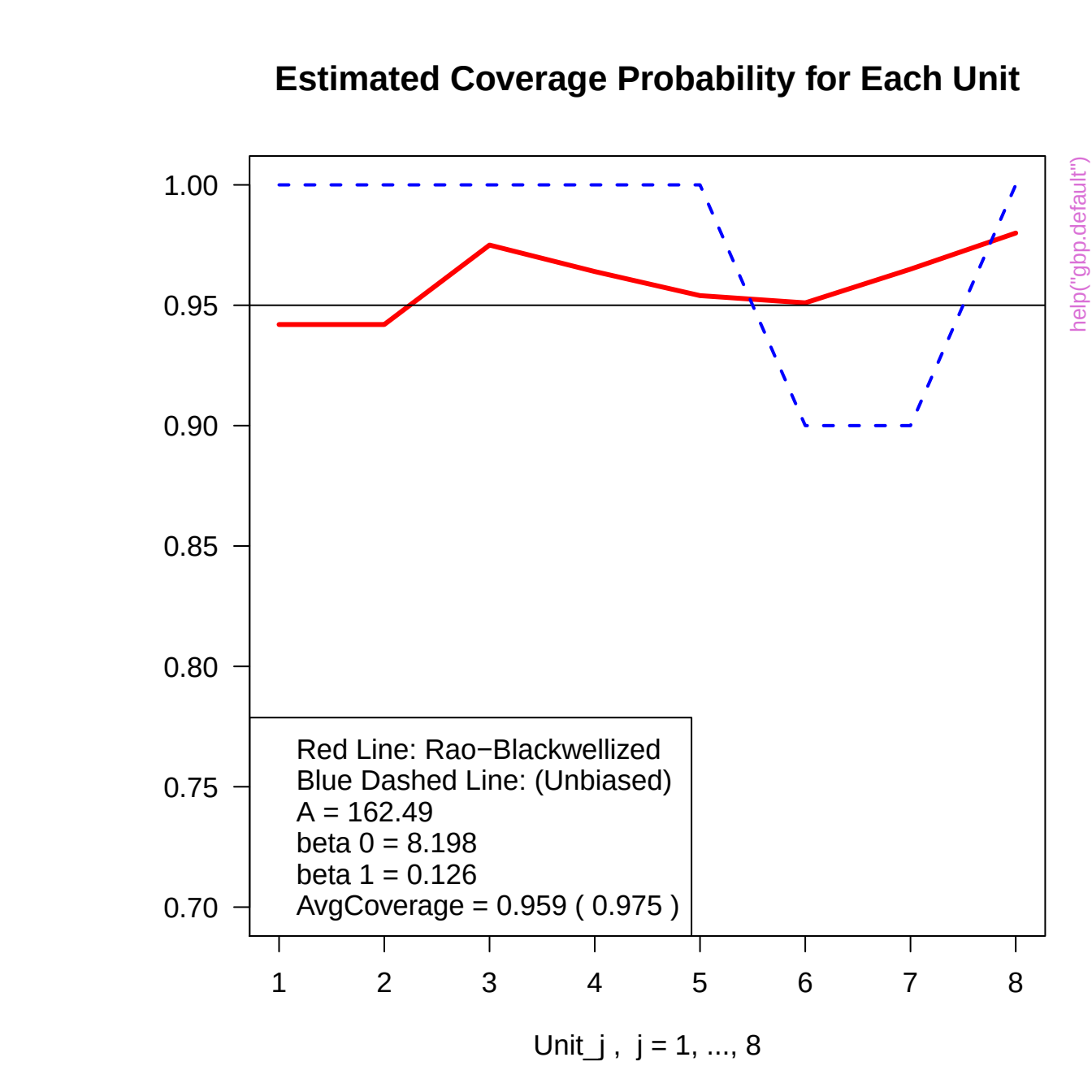

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 9
beta 0 = 10
AvgCoverage = 0.987 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

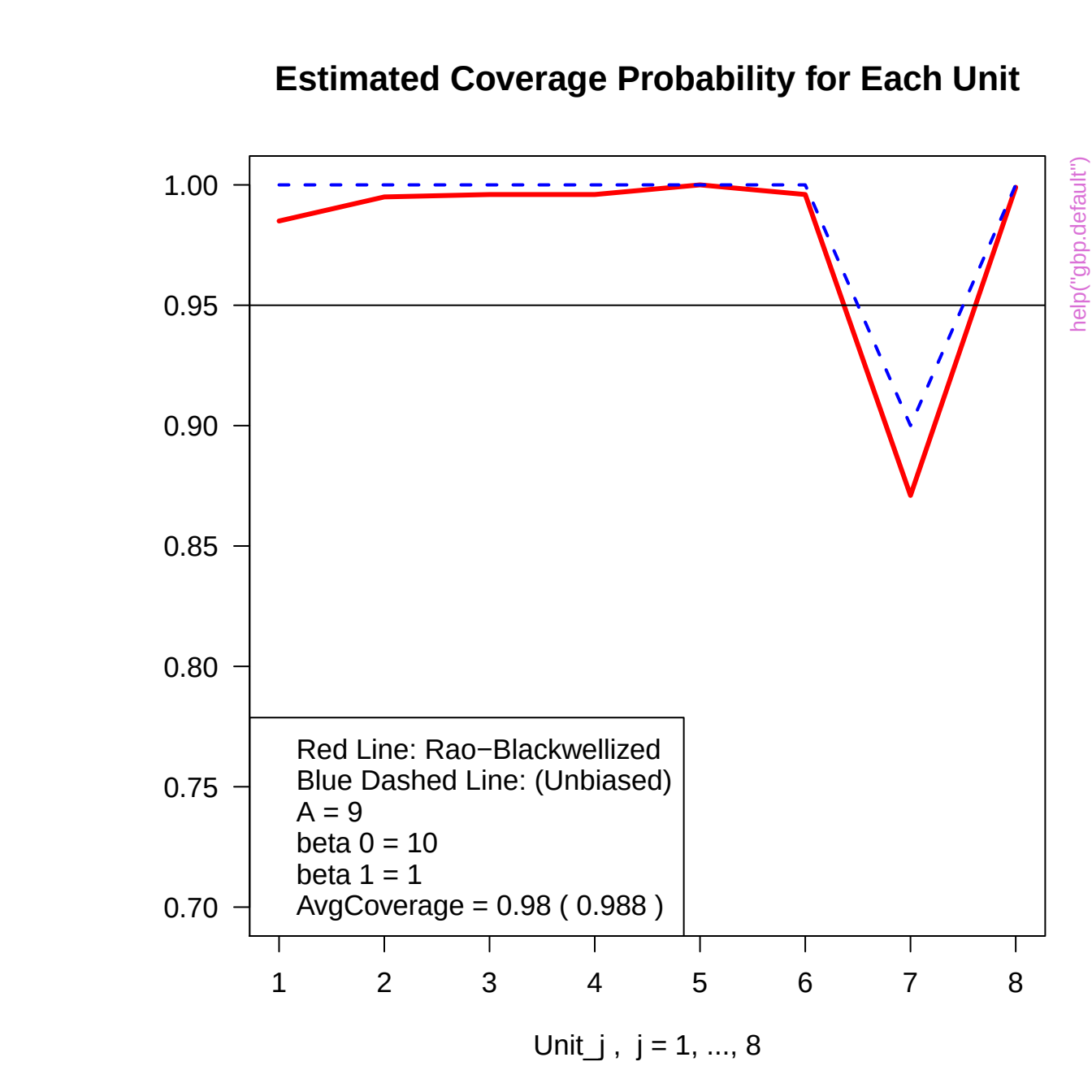

Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25

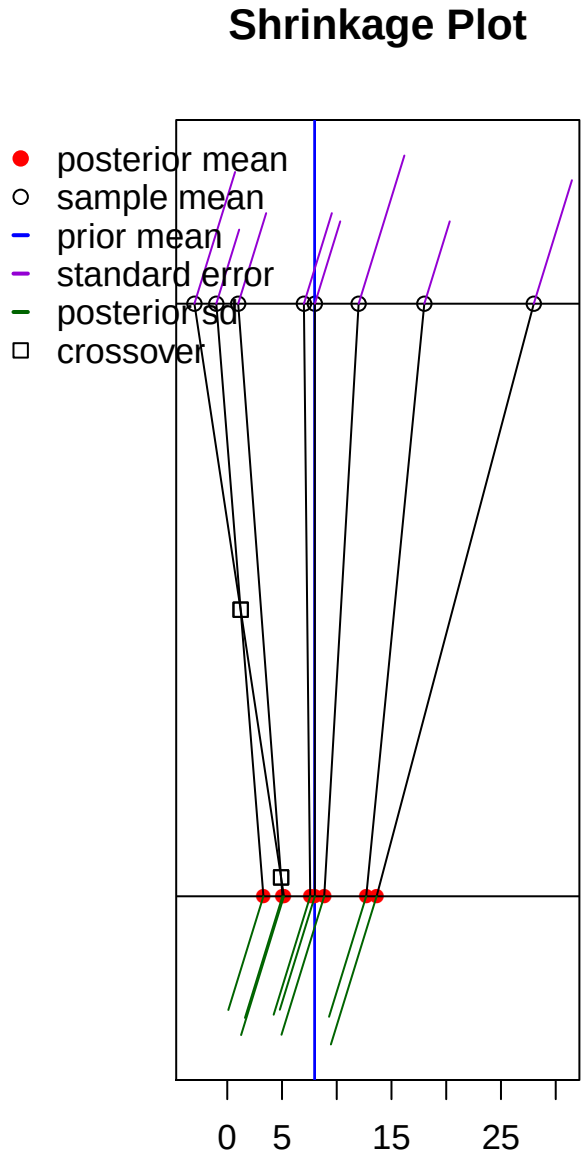

95 % Interval Estimates
help("gbp.default")
40
20
0
−20
1
2
3
4
5
6
7
8
Units sorted by the increasing order o

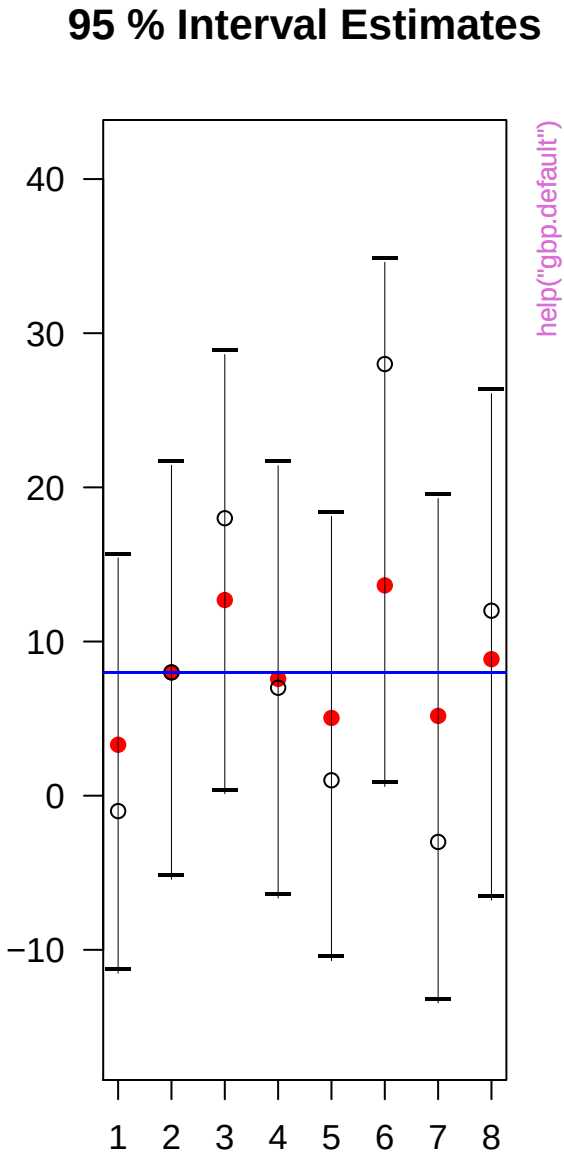

Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25


95 % Interval Estimates
help("gbp.default")
40
20
0
−20
1
2
3
4
5
6
7
8
ndices (Groups) by the order of data i

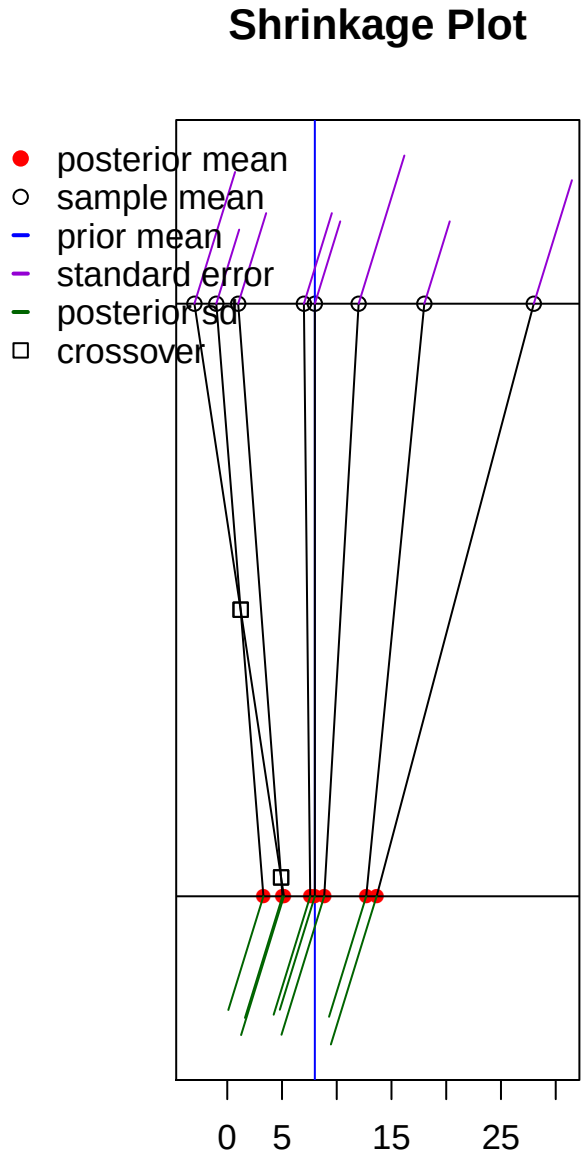

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 162.49
beta 0 = 8.198
beta 1 = 0.126
AvgCoverage = 0.959 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

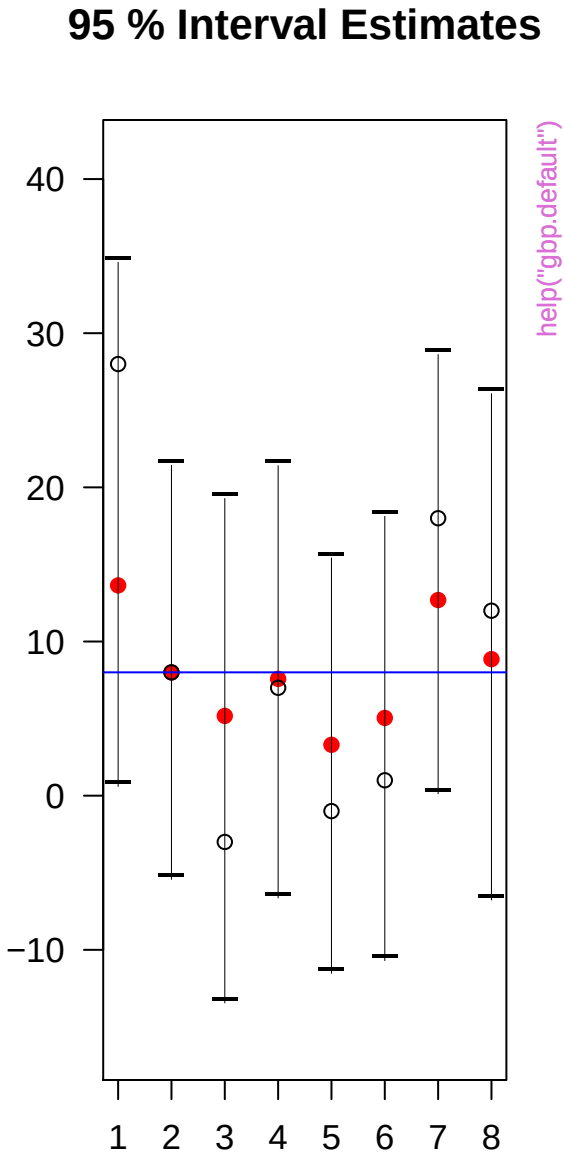

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 9
beta 0 = 10
beta 1 = 1
AvgCoverage = 0.98 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")



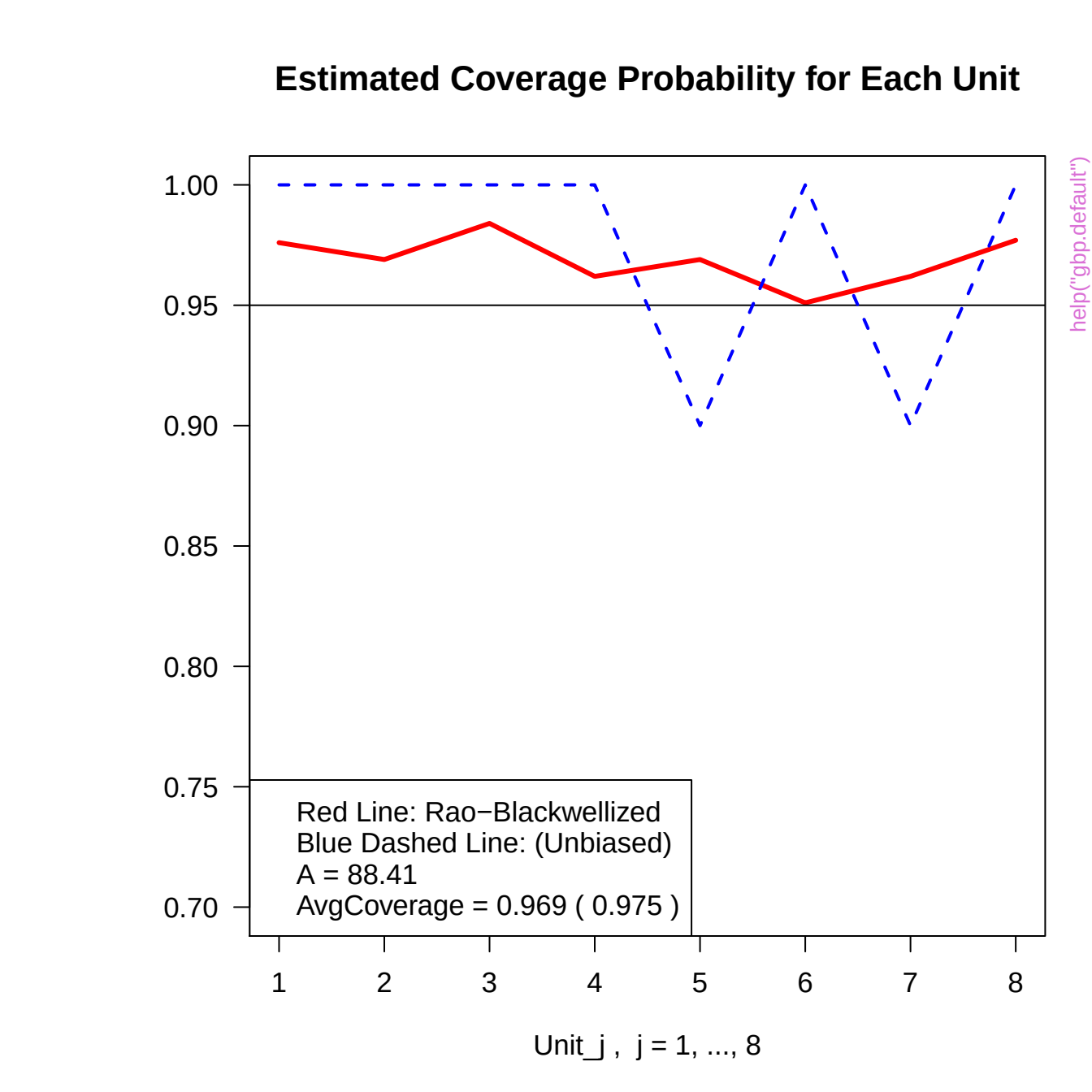


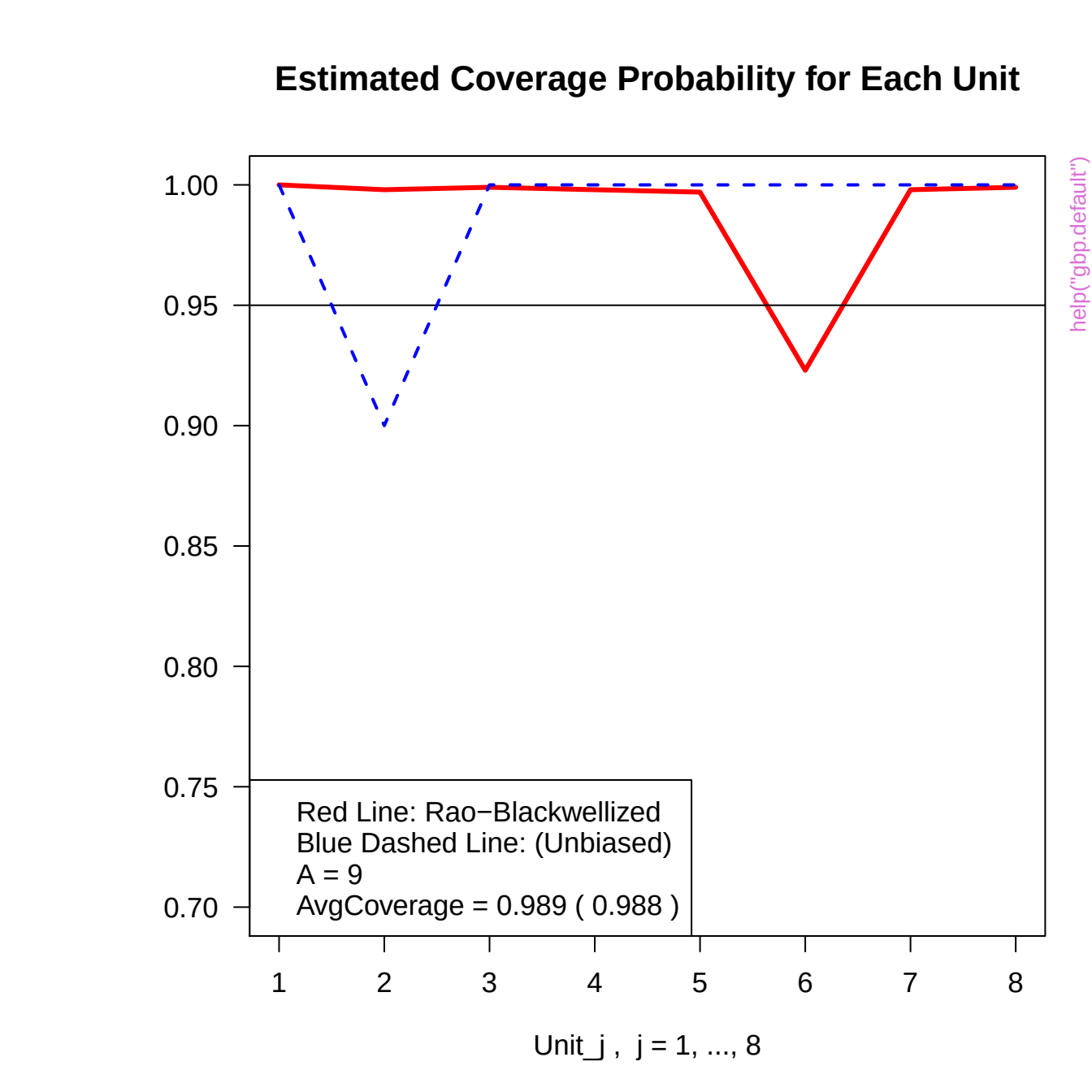
Units sorted by the increasing order o



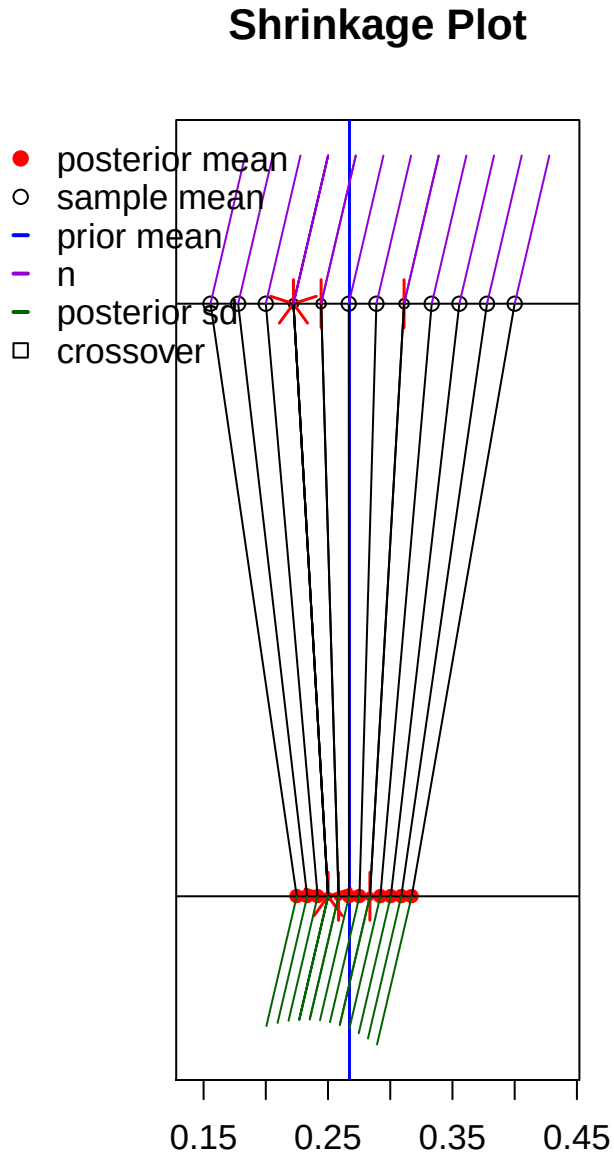


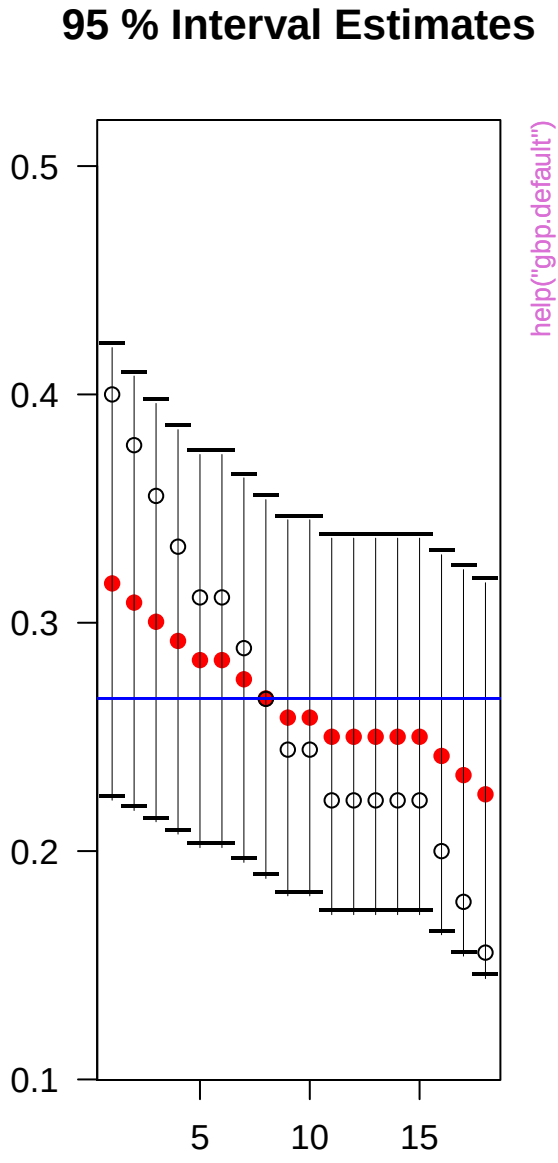
ndices (Groups) by the order of data i


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: (Unbiased)
A = 88.41
AvgCoverage = 0.969 (0.975)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

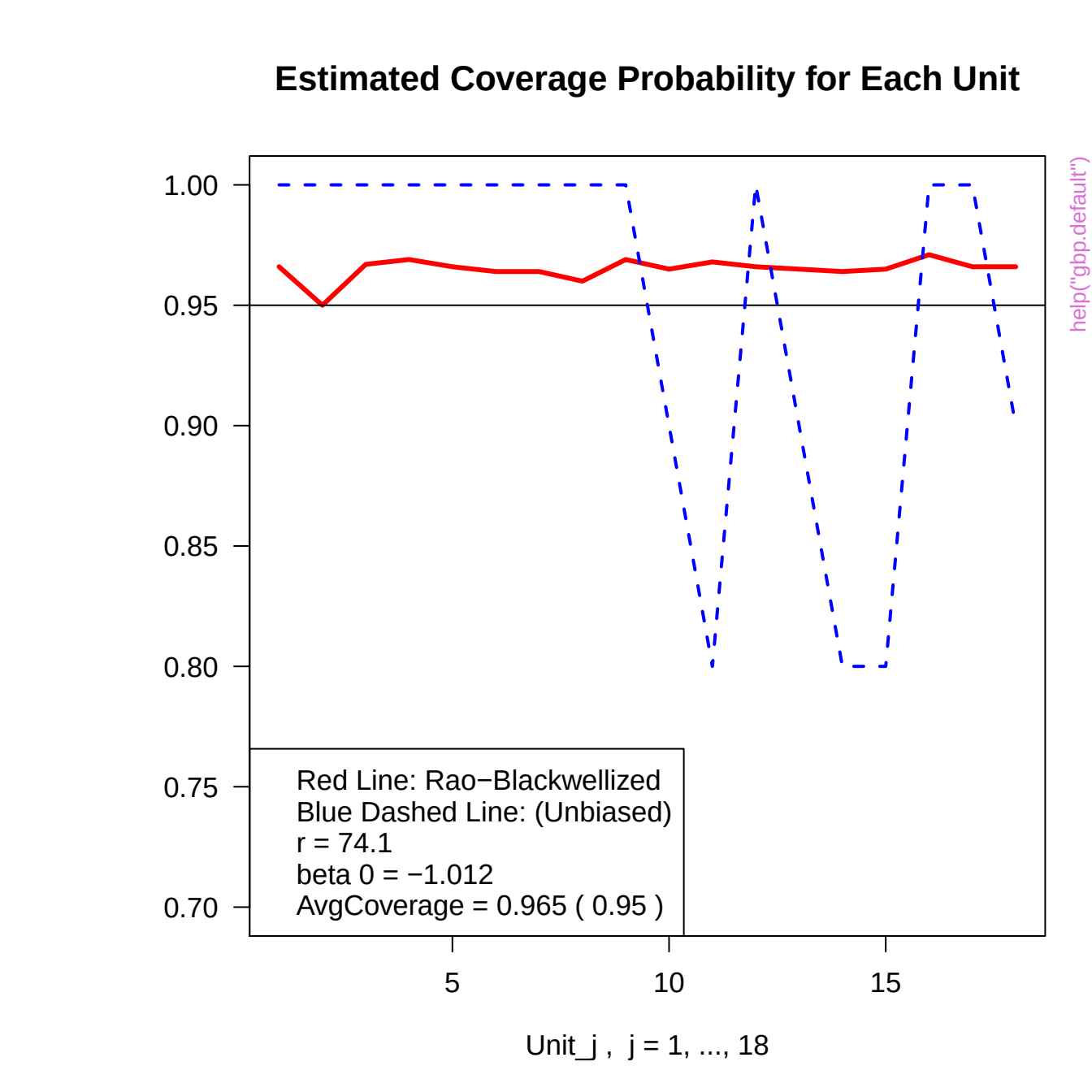

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
A = 9
AvgCoverage = 0.989 (0.988)
1
2
3
4
5
6
7
8
Unit_j , j = 1, ..., 8
help("gbp.default")

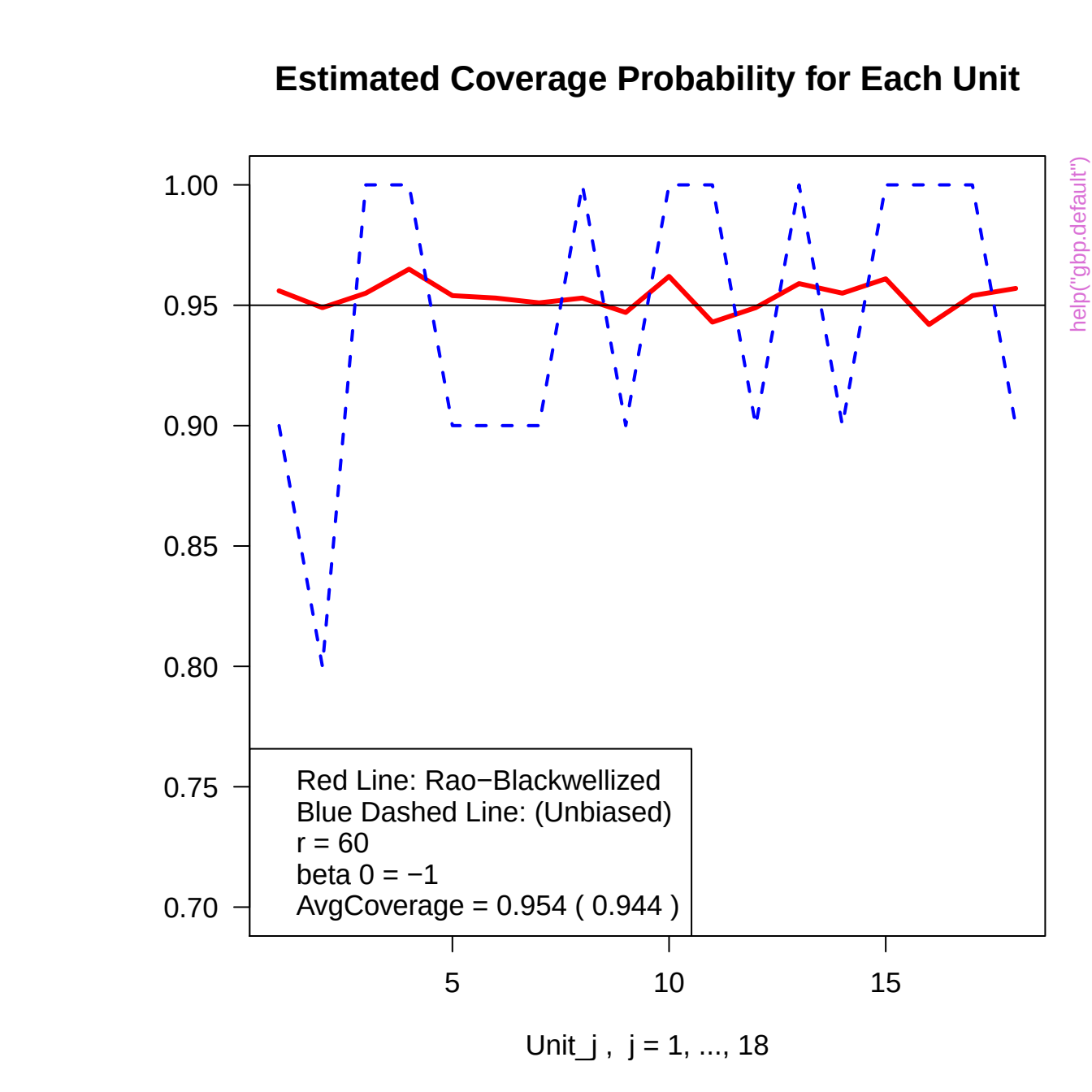
Shrinkage Plot
95 % Interval Estimates
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.5
0.4
0.3
0.2
0.1
5
10
15
help("gbp.default")
Units sorted by the increasing order

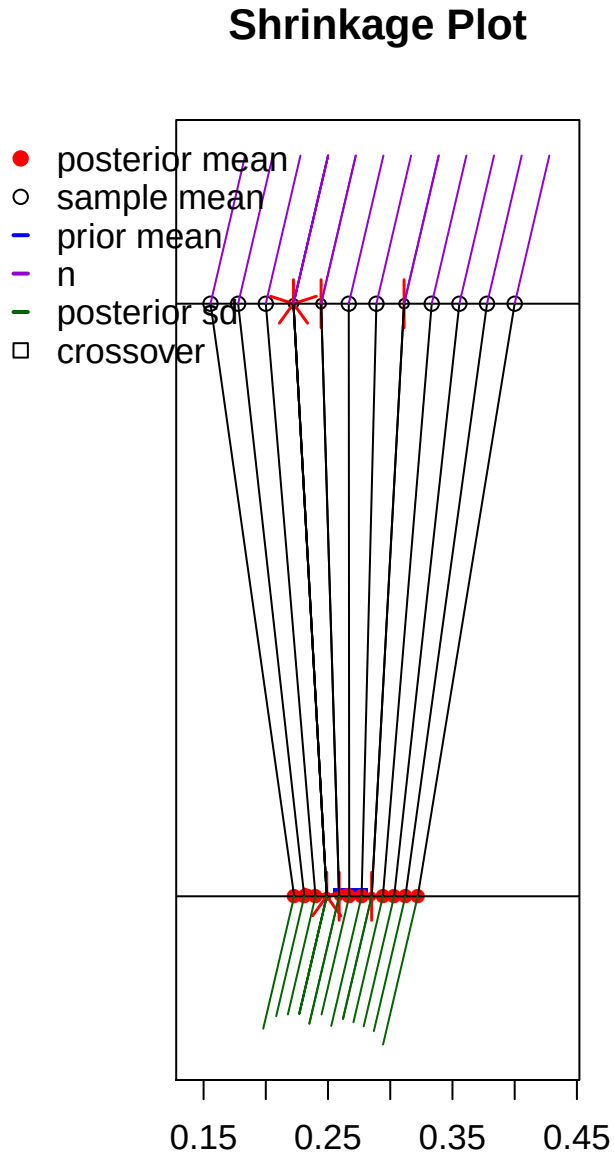


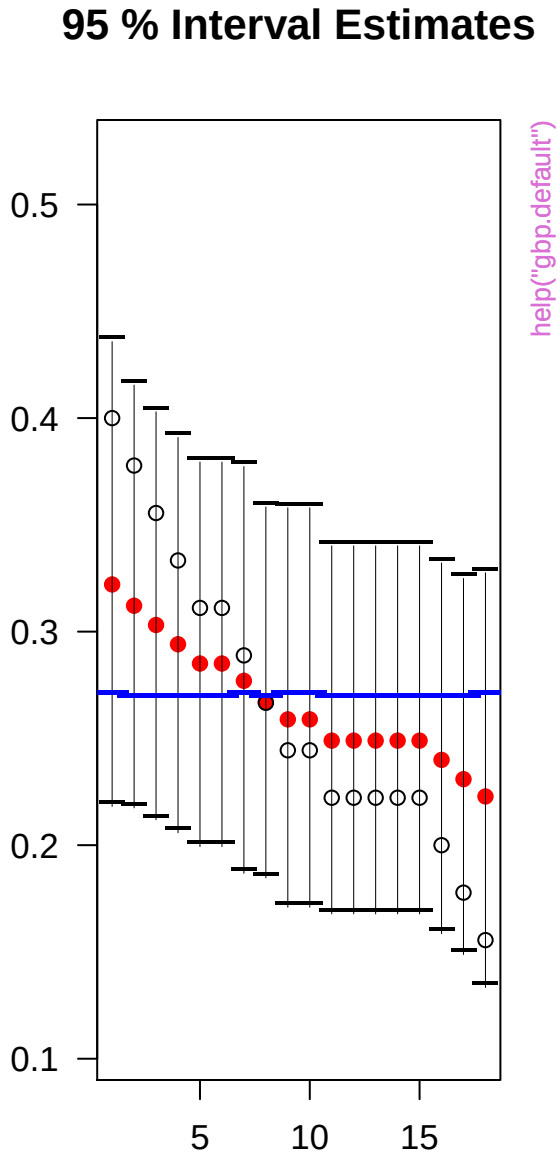


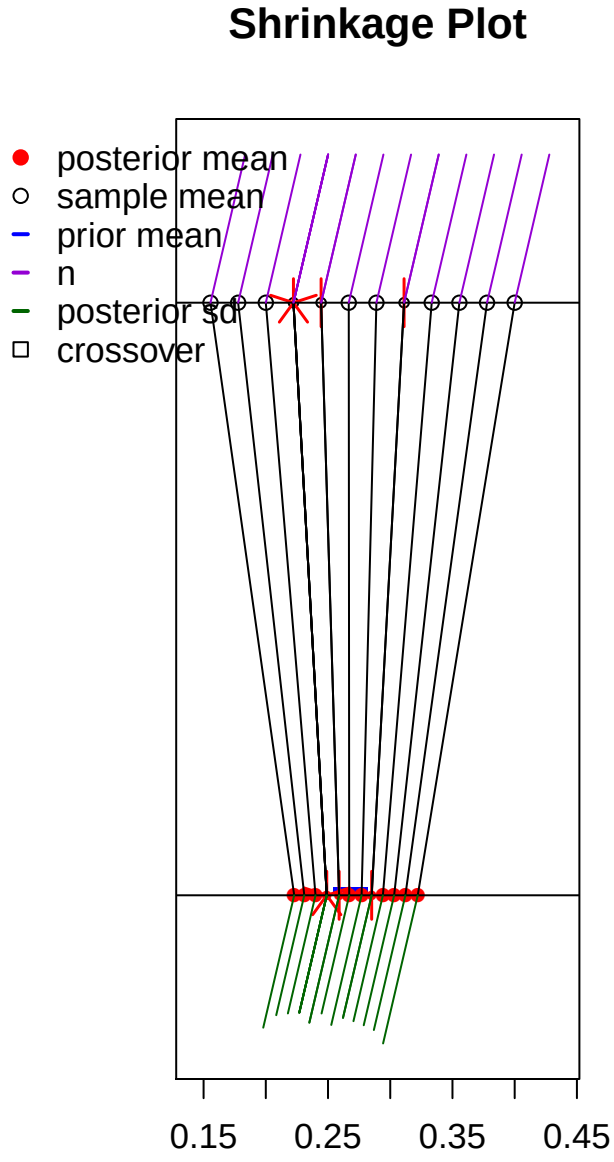
ndices (Groups) by the order of data i

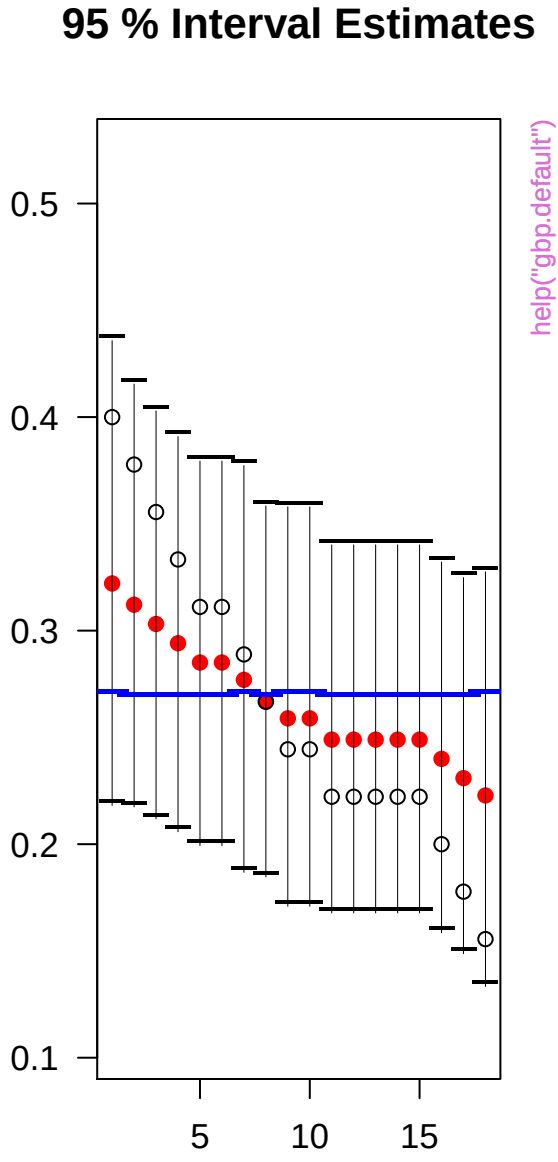

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 74.1
beta 0 = −1.012
AvgCoverage = 0.965 (0.95)
help("gbp.default")


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: (Unbiased)
r = 60
beta 0 = −1
AvgCoverage = 0.954 (0.944)
help("gbp.default")

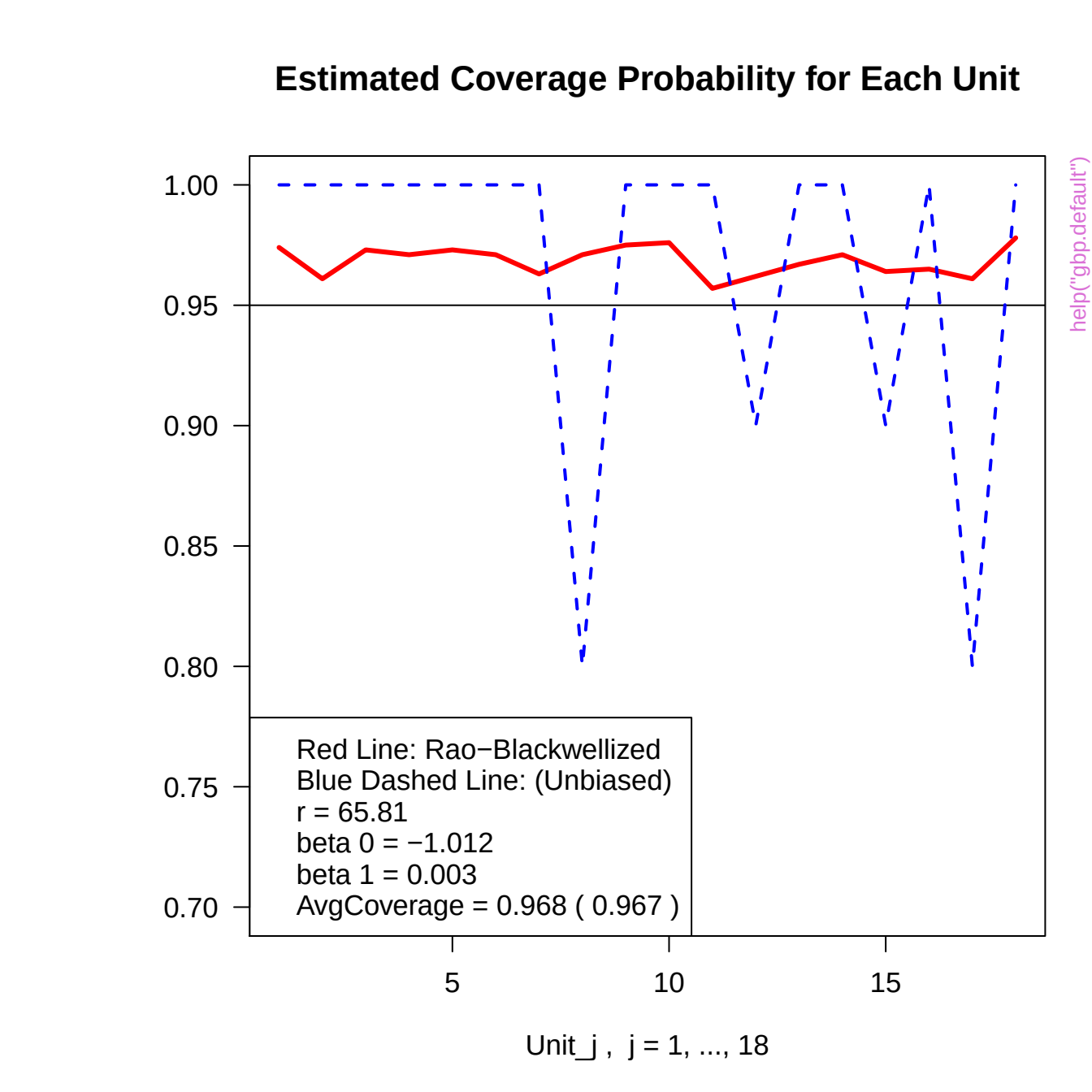

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45

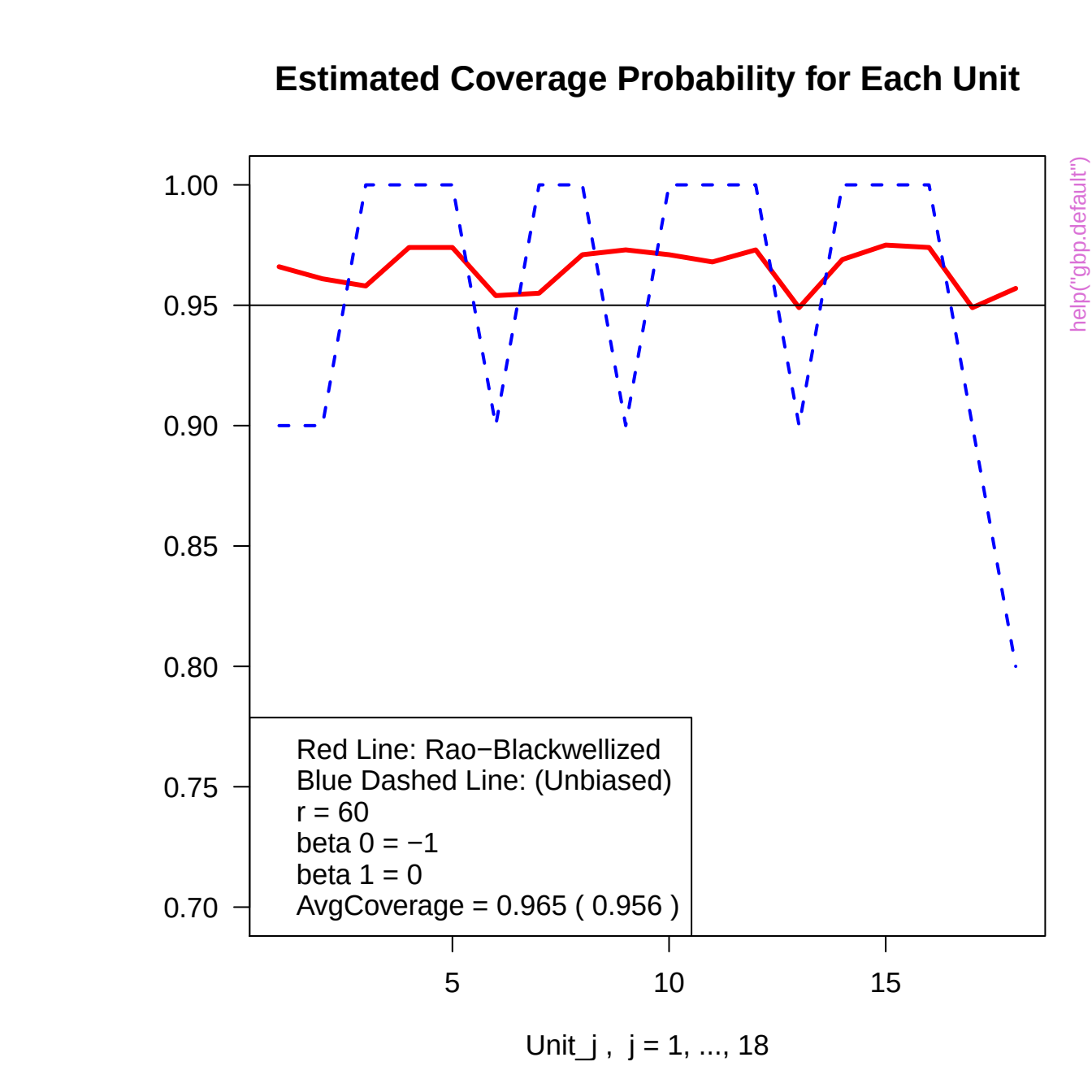

95 % Interval Estimates
help("gbp.default")
0.5
0.4
0.3
0.2
0.1
5
10
15
Units sorted by the increasing order o

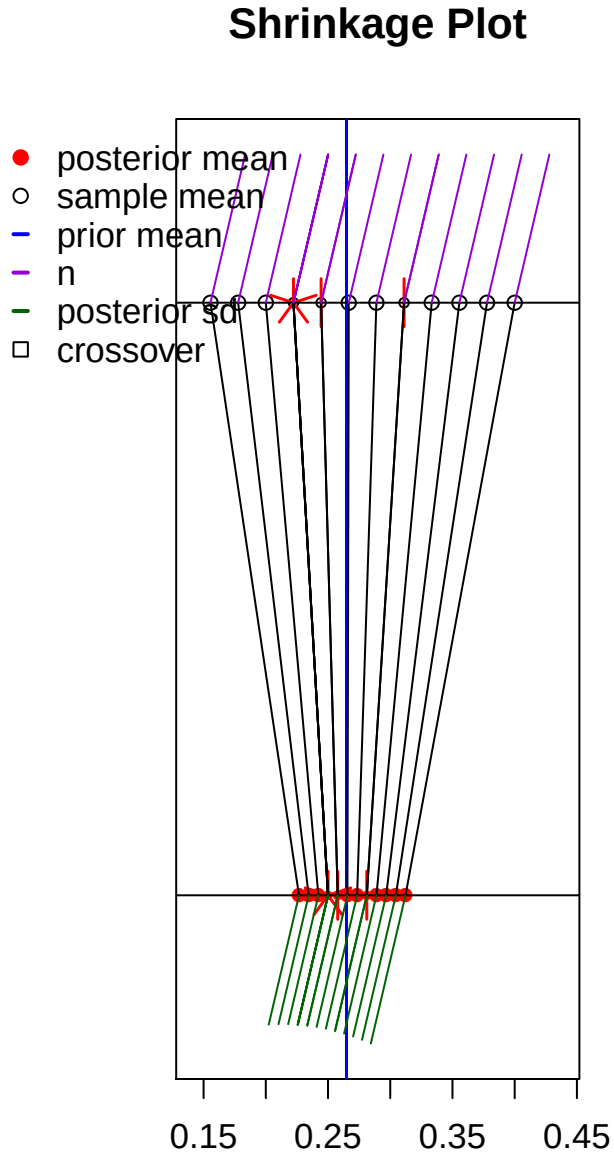


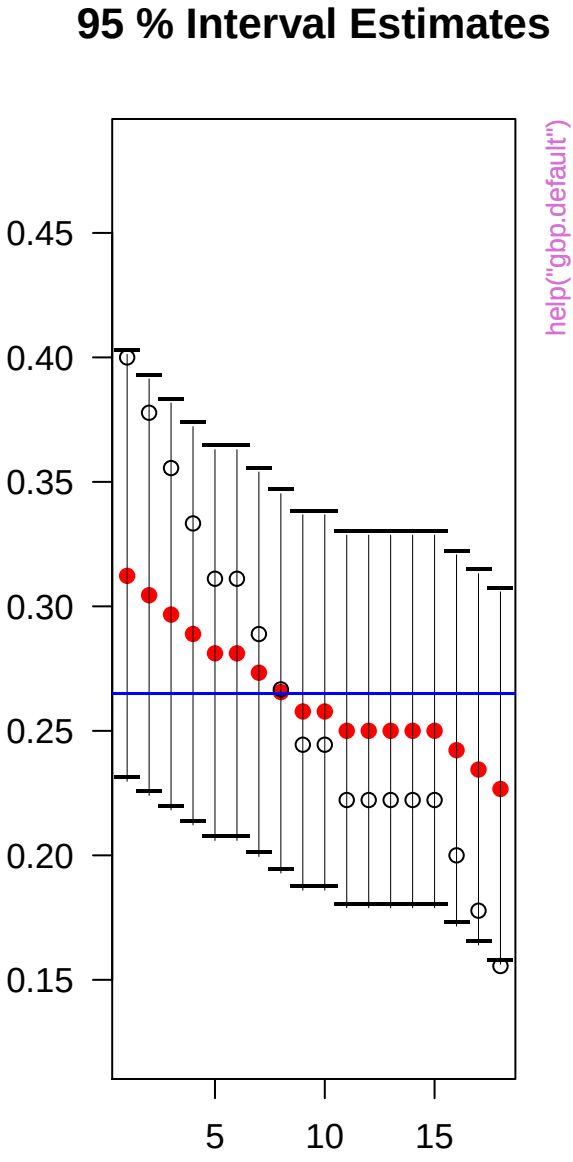


ndices (Groups) by the order of data i

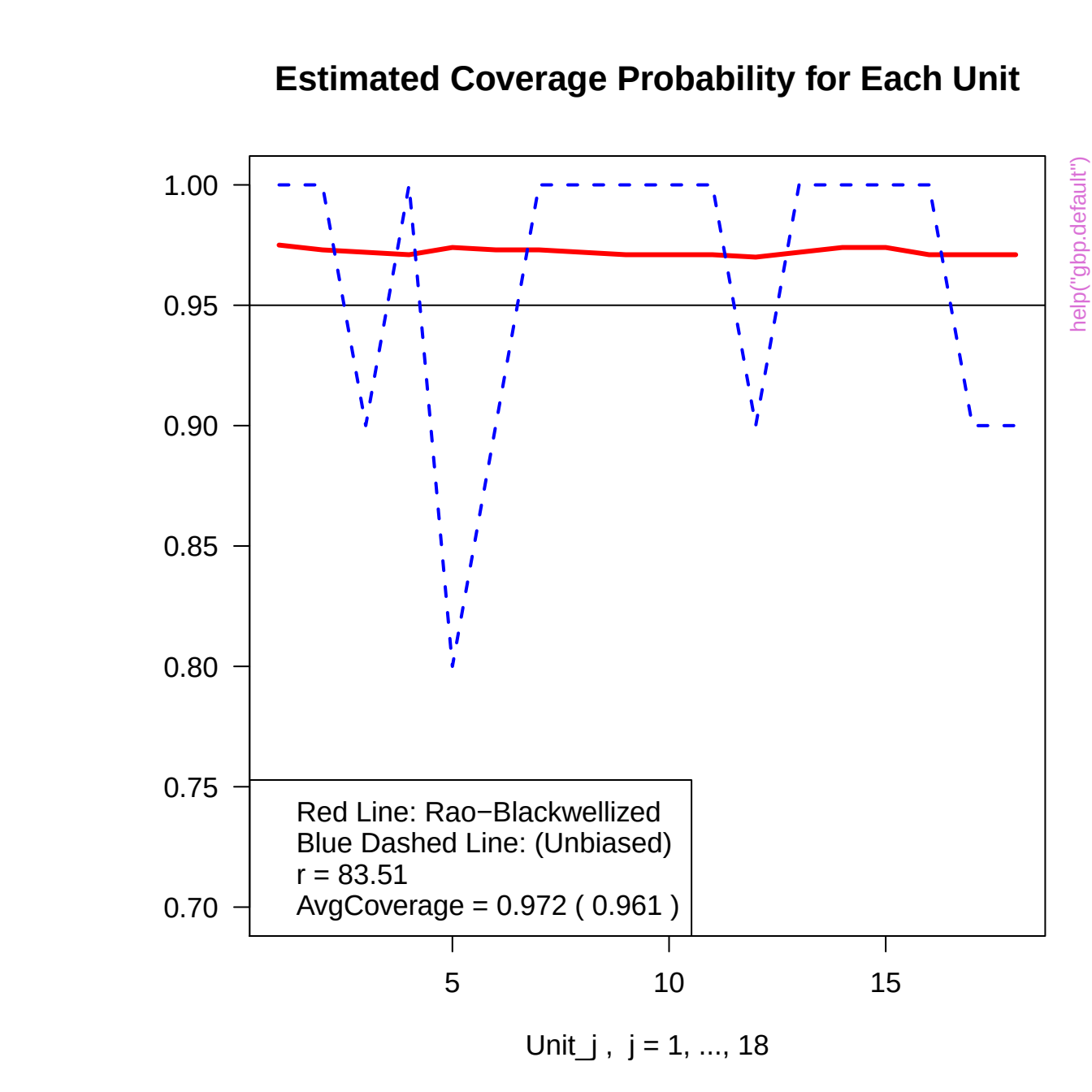

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 65.81
beta 0 = −1.012
beta 1 = 0.003
AvgCoverage = 0.968 (0.967)
help("gbp.default")

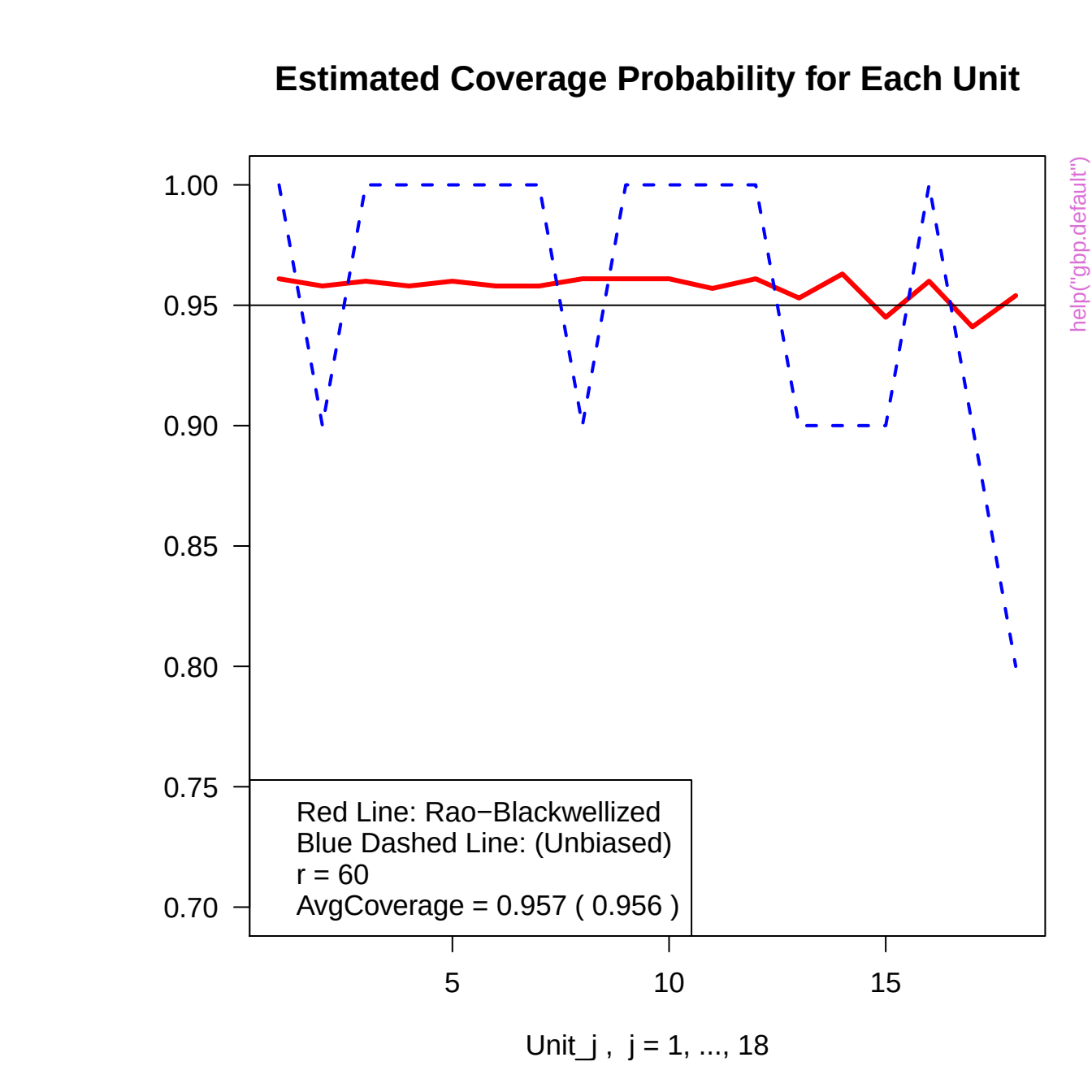

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −1
beta 1 = 0
AvgCoverage = 0.965 (0.956)
help("gbp.default")


Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45

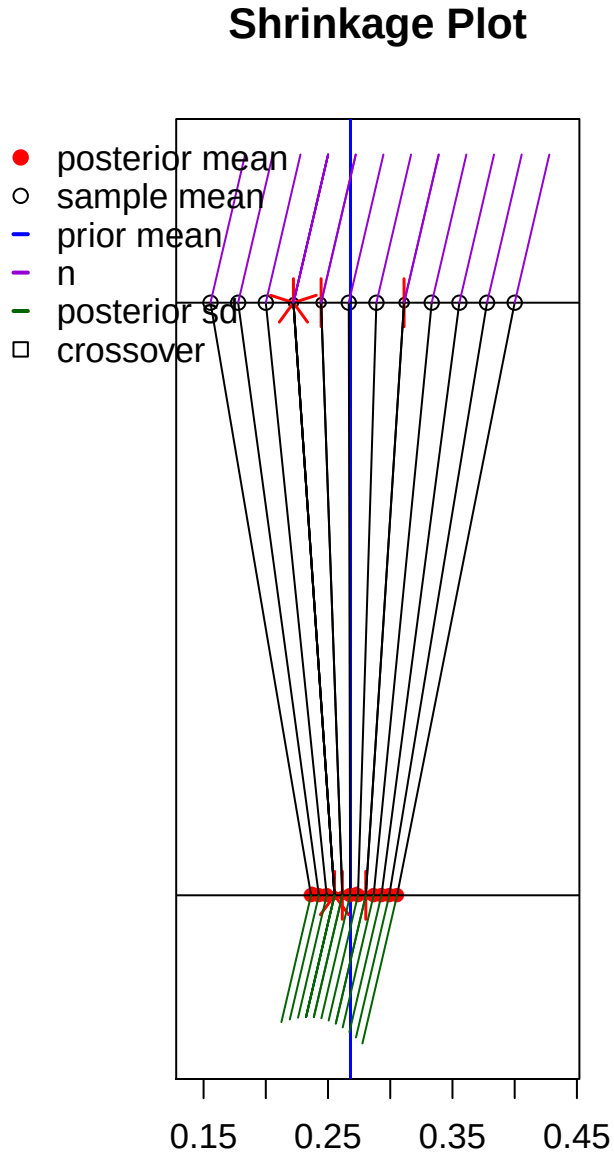

95 % Interval Estimates
help("gbp.default")
0.45
0.40
0.35
0.30
0.25
0.20
0.15
5
10
15
Units sorted by the increasing order o

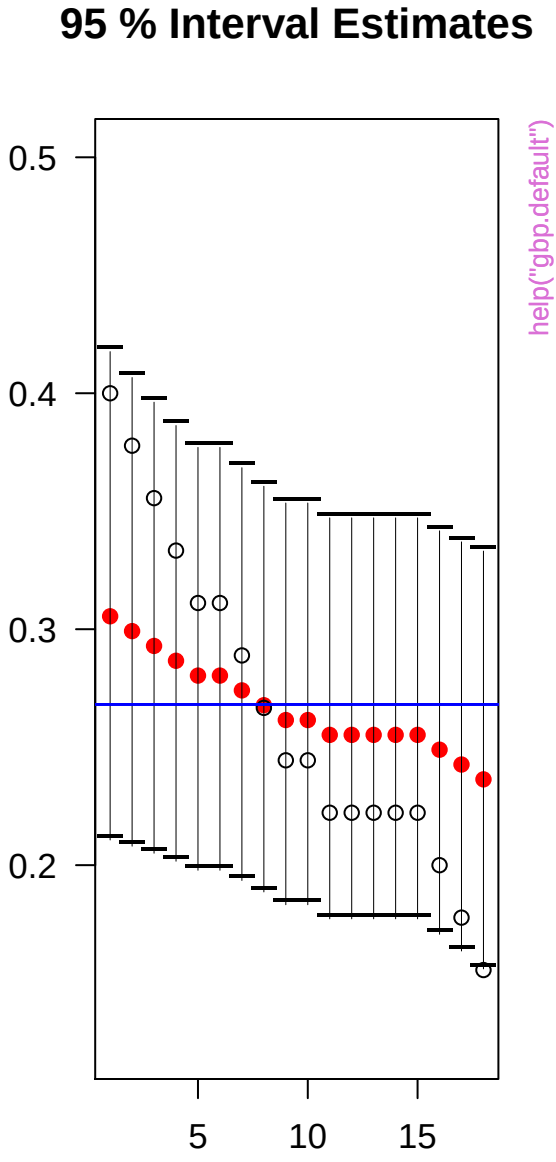
Shrinkage Plot
95 % Interval Estimates
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.45
0.40
0.35
0.30
0.25
0.20
0.15
5
10
15
help("gbp.default")
ndices (Groups) by the order of data i


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: (Unbiased)
r = 83.51
AvgCoverage = 0.972 (0.961)
help("gbp.default")

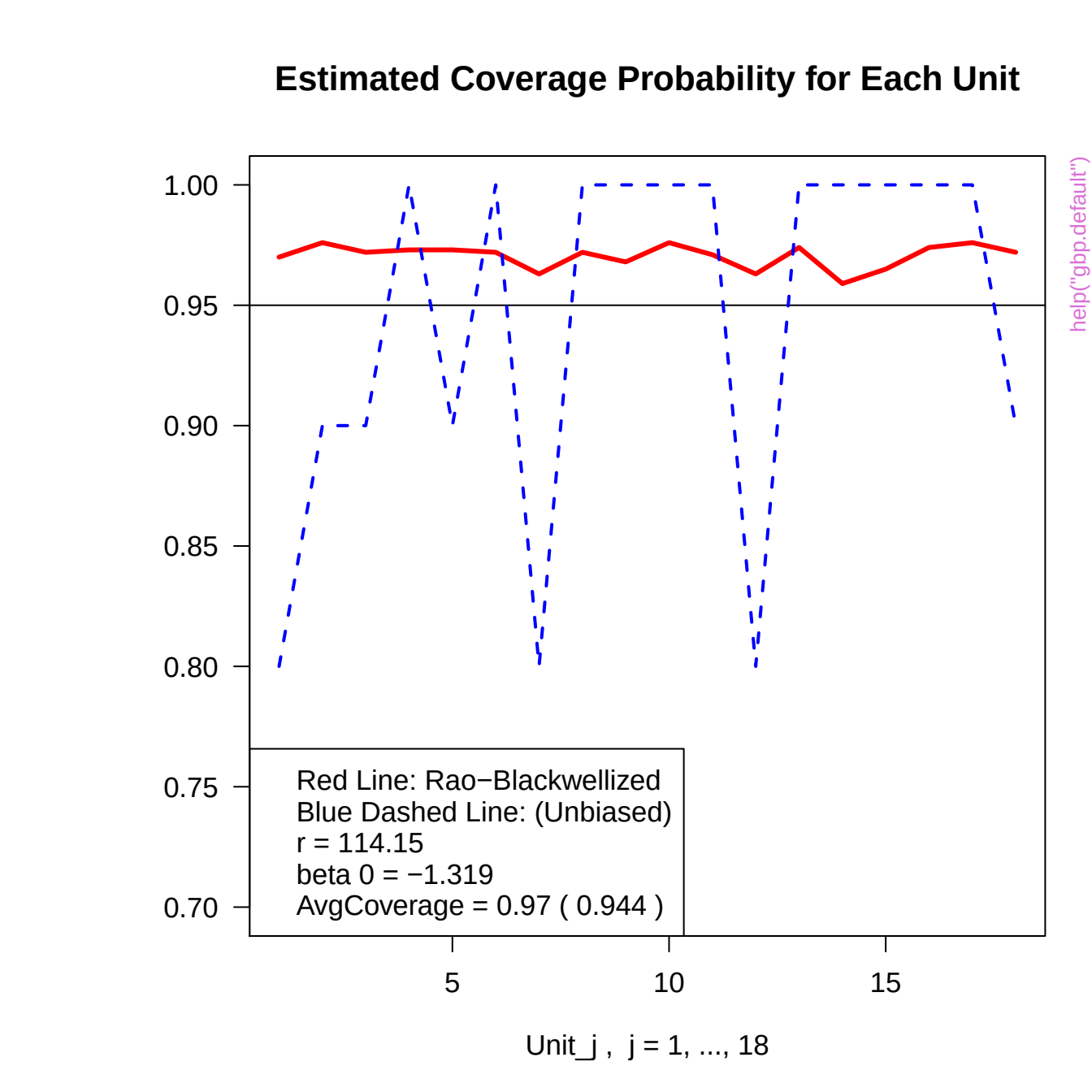

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
AvgCoverage = 0.957 (0.956)
help("gbp.default")

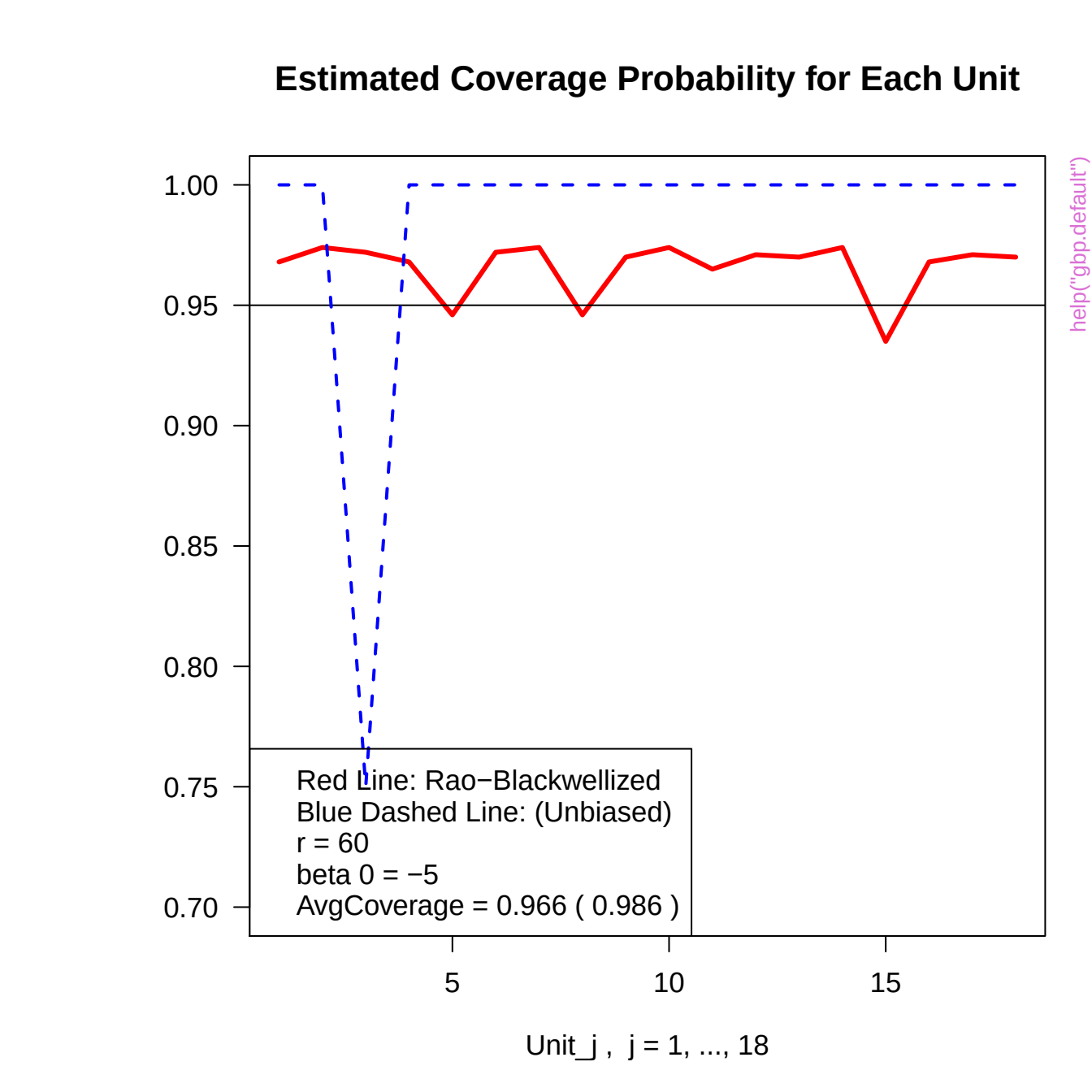
Shrinkage Plot
95 % Interval Estimates
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45
0.5
0.4
0.3
0.2
5
10
15
help("gbp.default")
Units sorted by the increasing order o

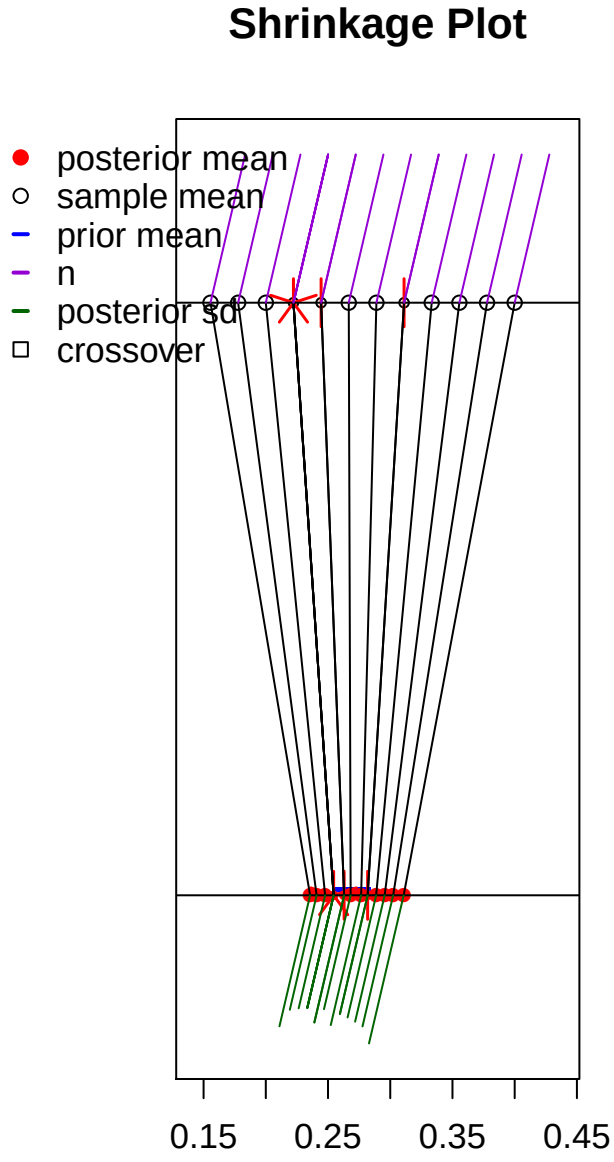


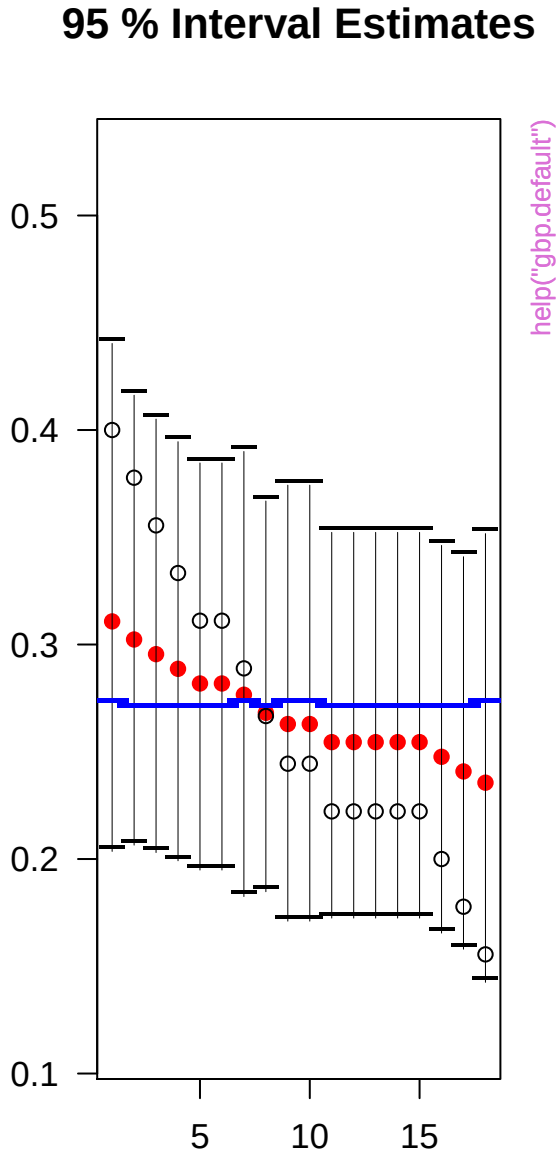


ndices (Groups) by the order of data i

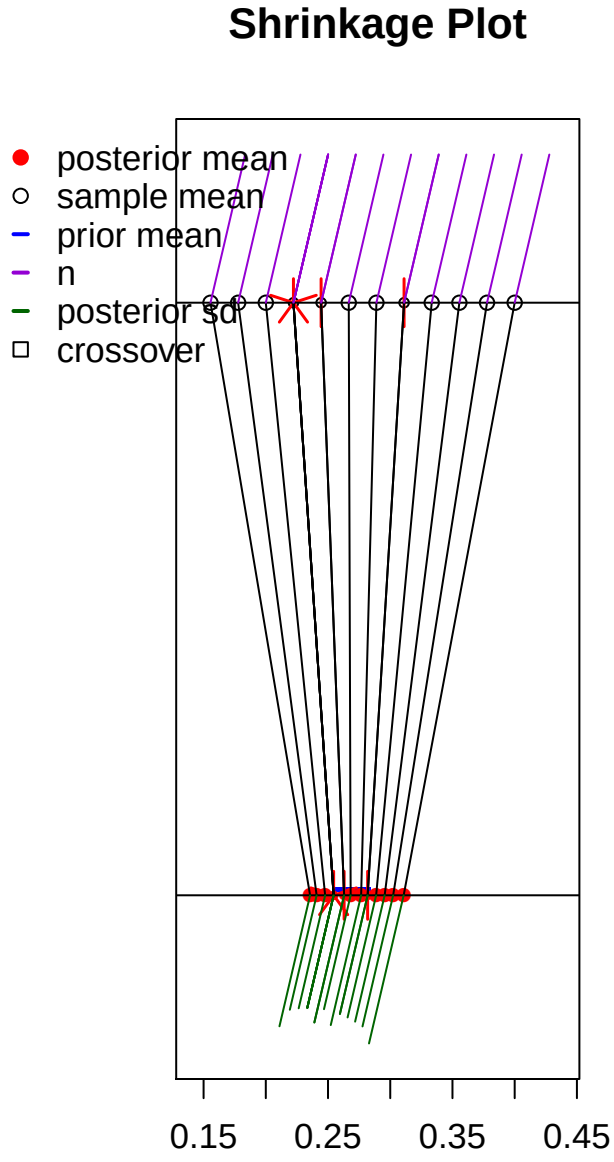

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 114.15
beta 0 = −1.319
AvgCoverage = 0.97 (0.944)
help("gbp.default")

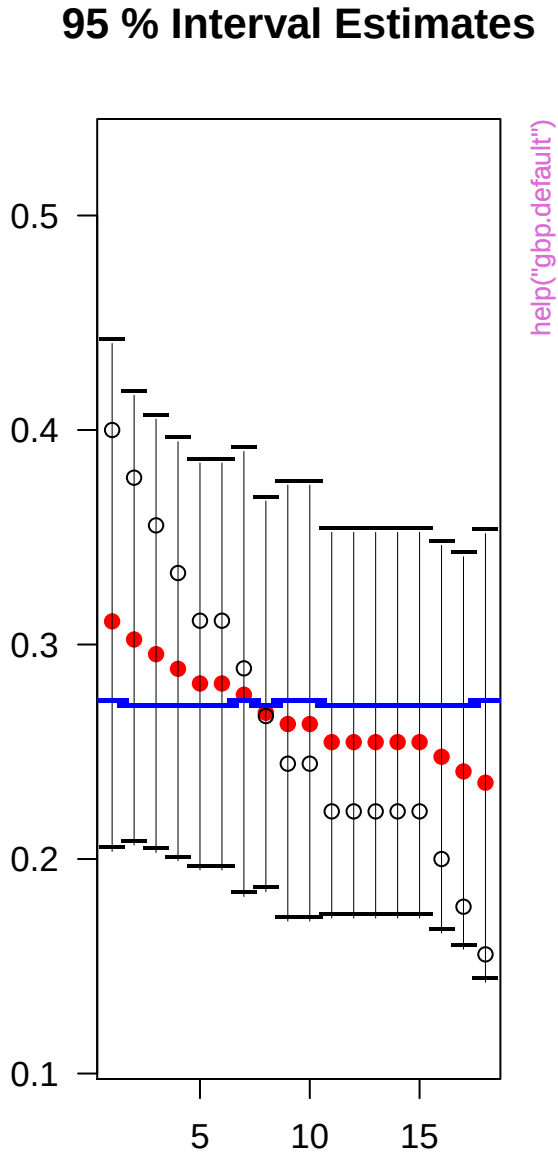

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −5
AvgCoverage = 0.966 (0.986)
help("gbp.default")



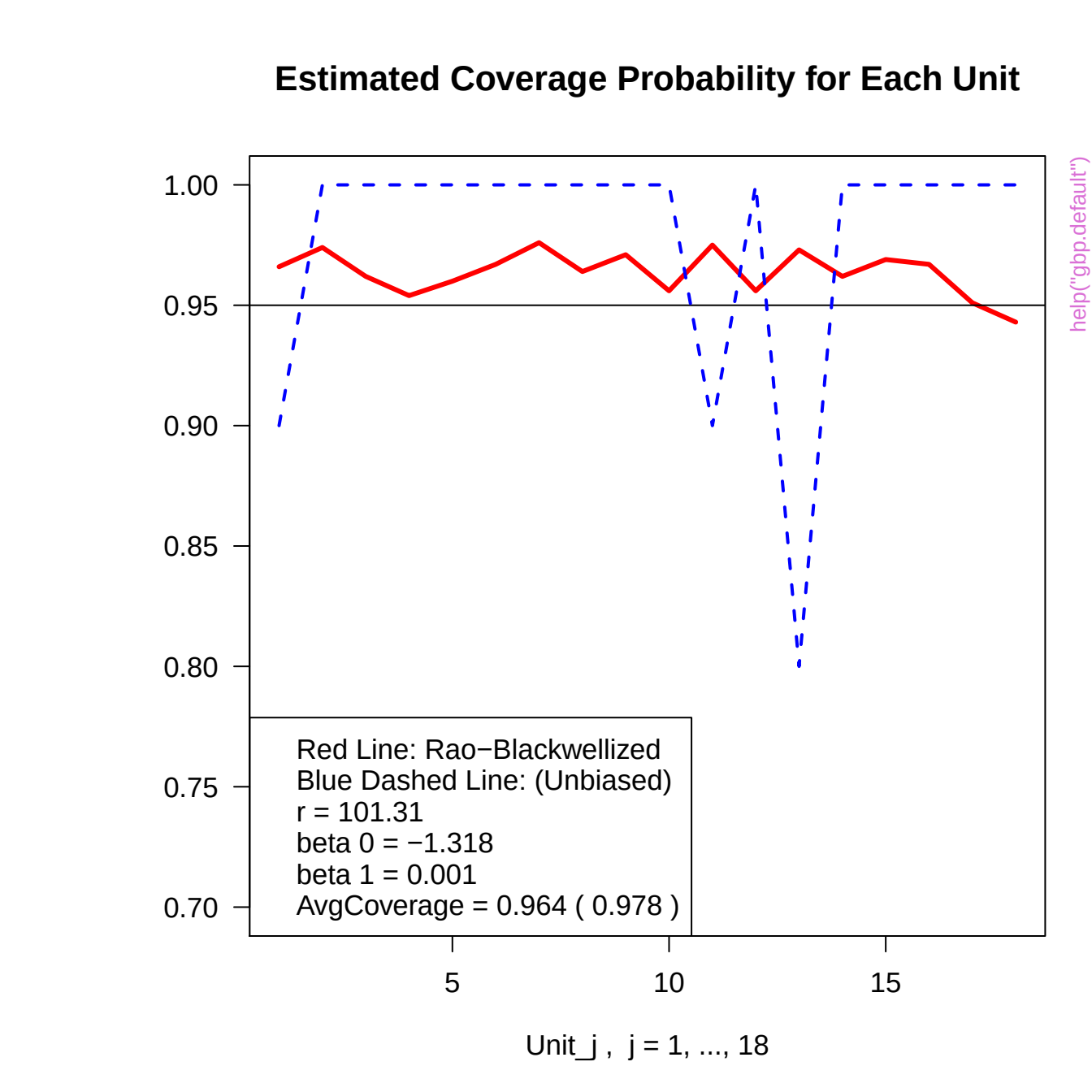


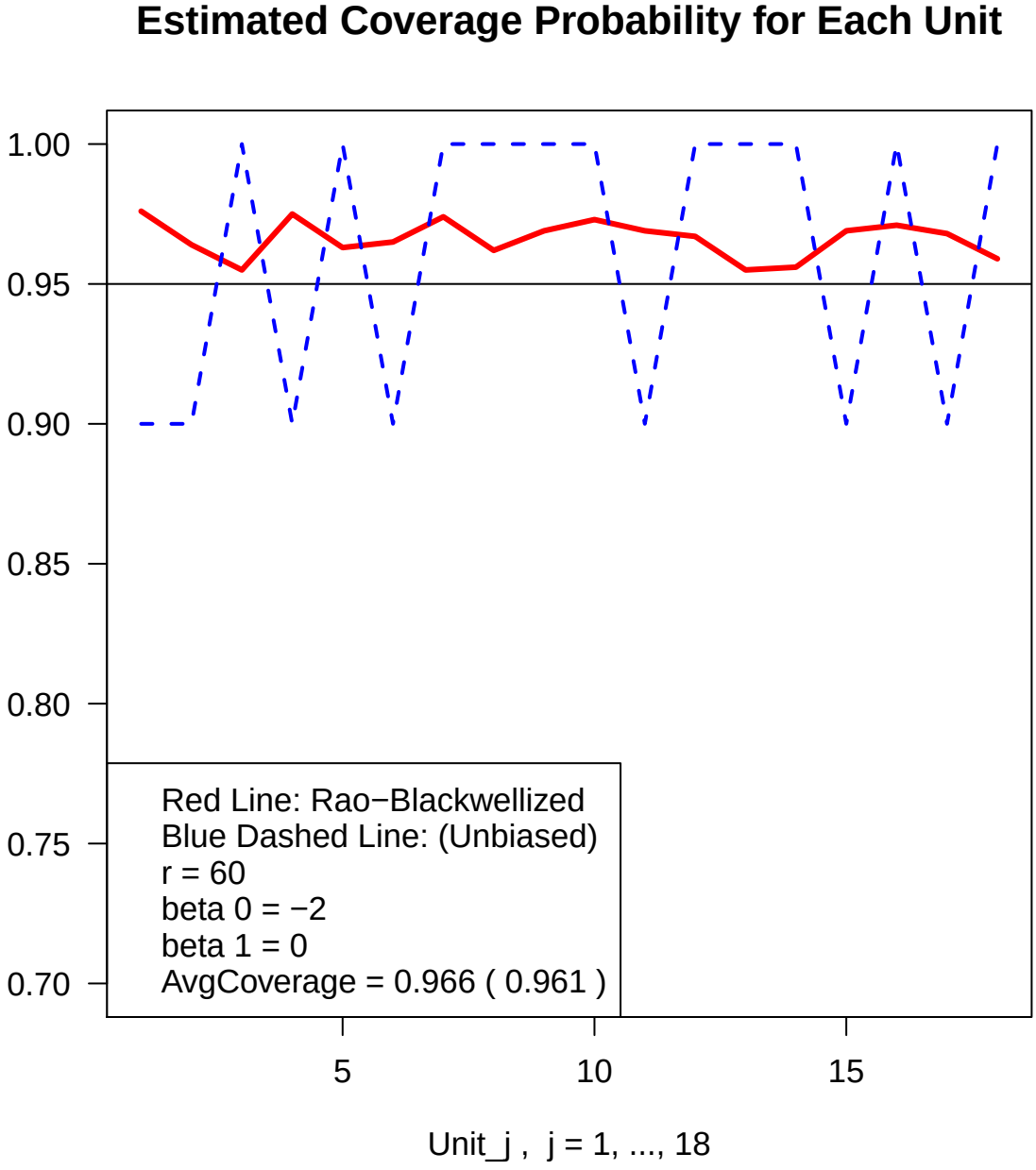
Units sorted by the increasing order o

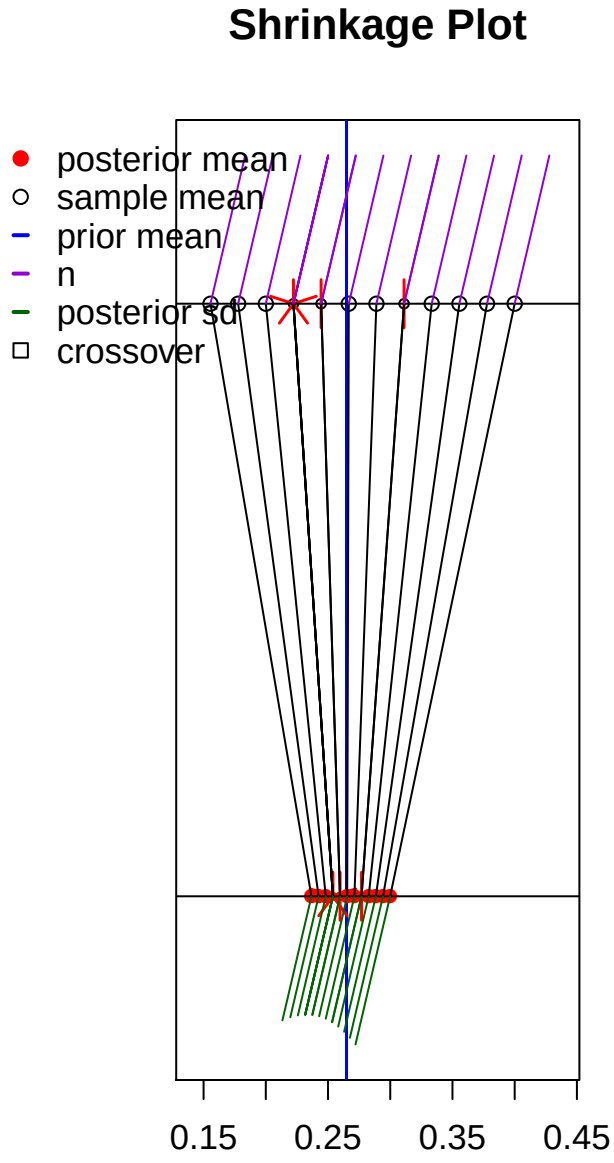


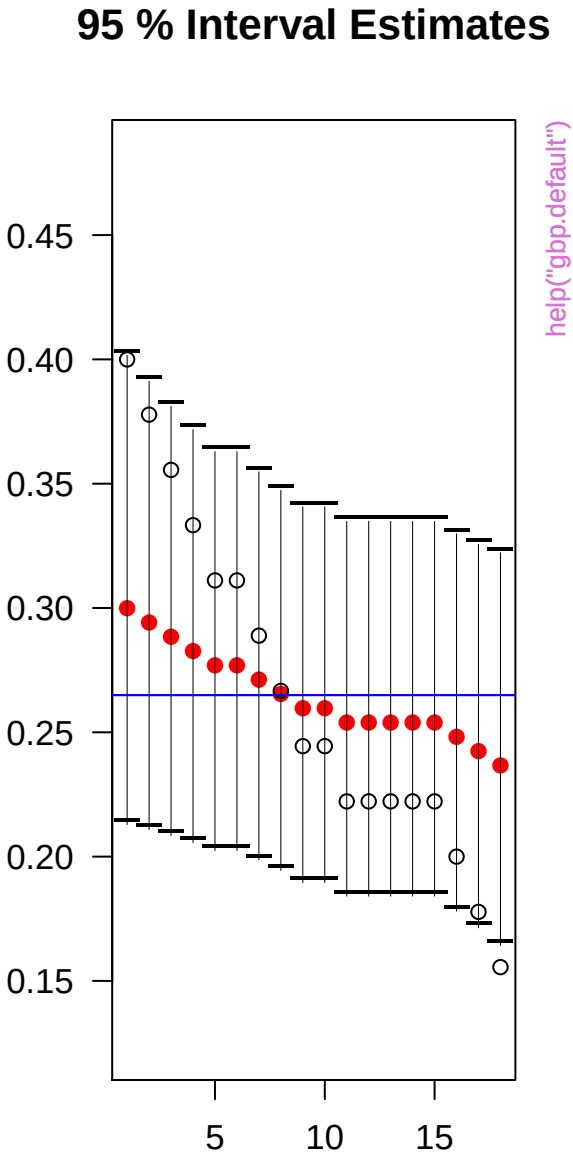


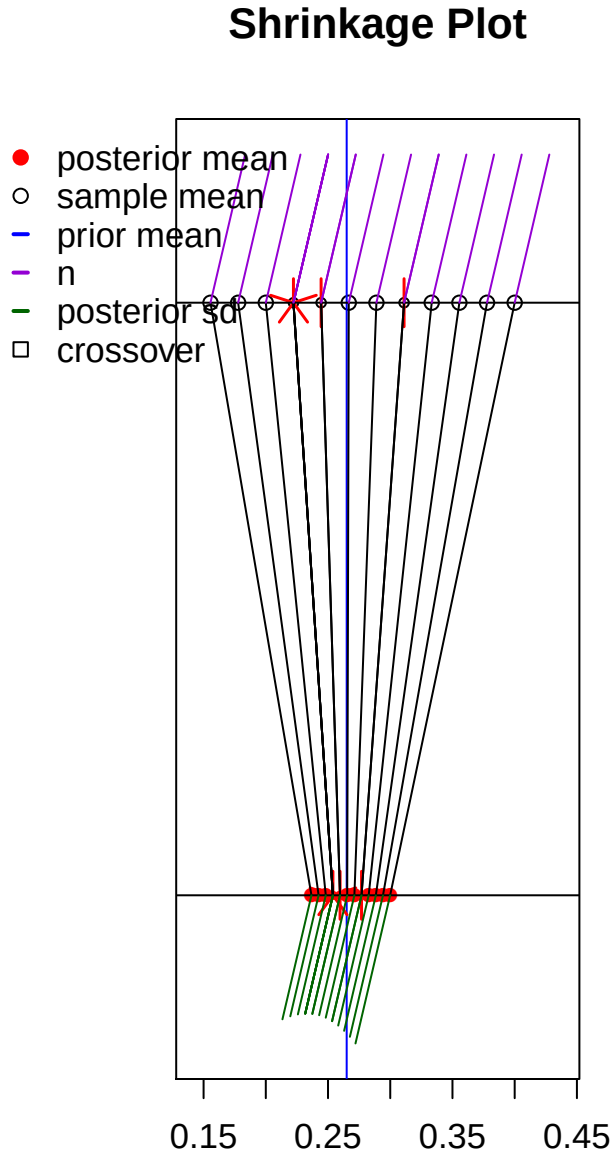
ndices (Groups) by the order of data i

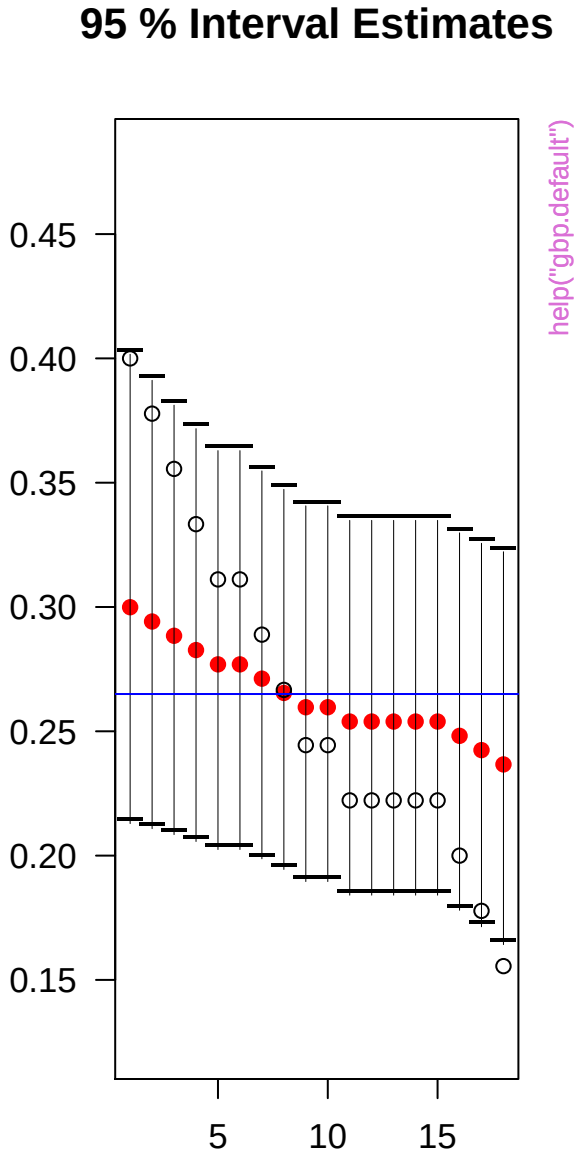

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 101.31
beta 0 = −1.318
beta 1 = 0.001
AvgCoverage = 0.964 (0.978)
help("gbp.default")

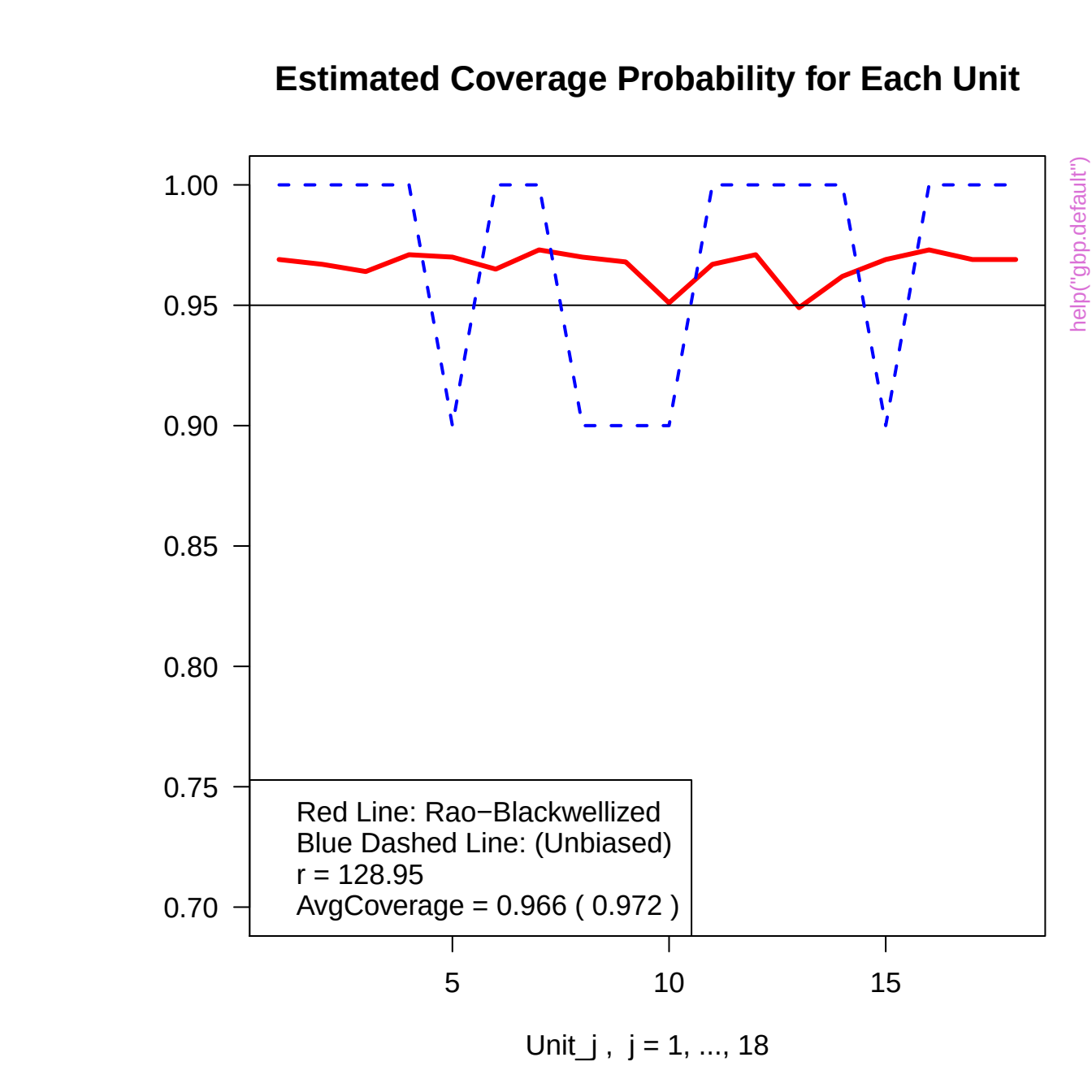

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
beta 0 = −2
beta 1 = 0
AvgCoverage = 0.966 (0.961)
help("gbp.default")

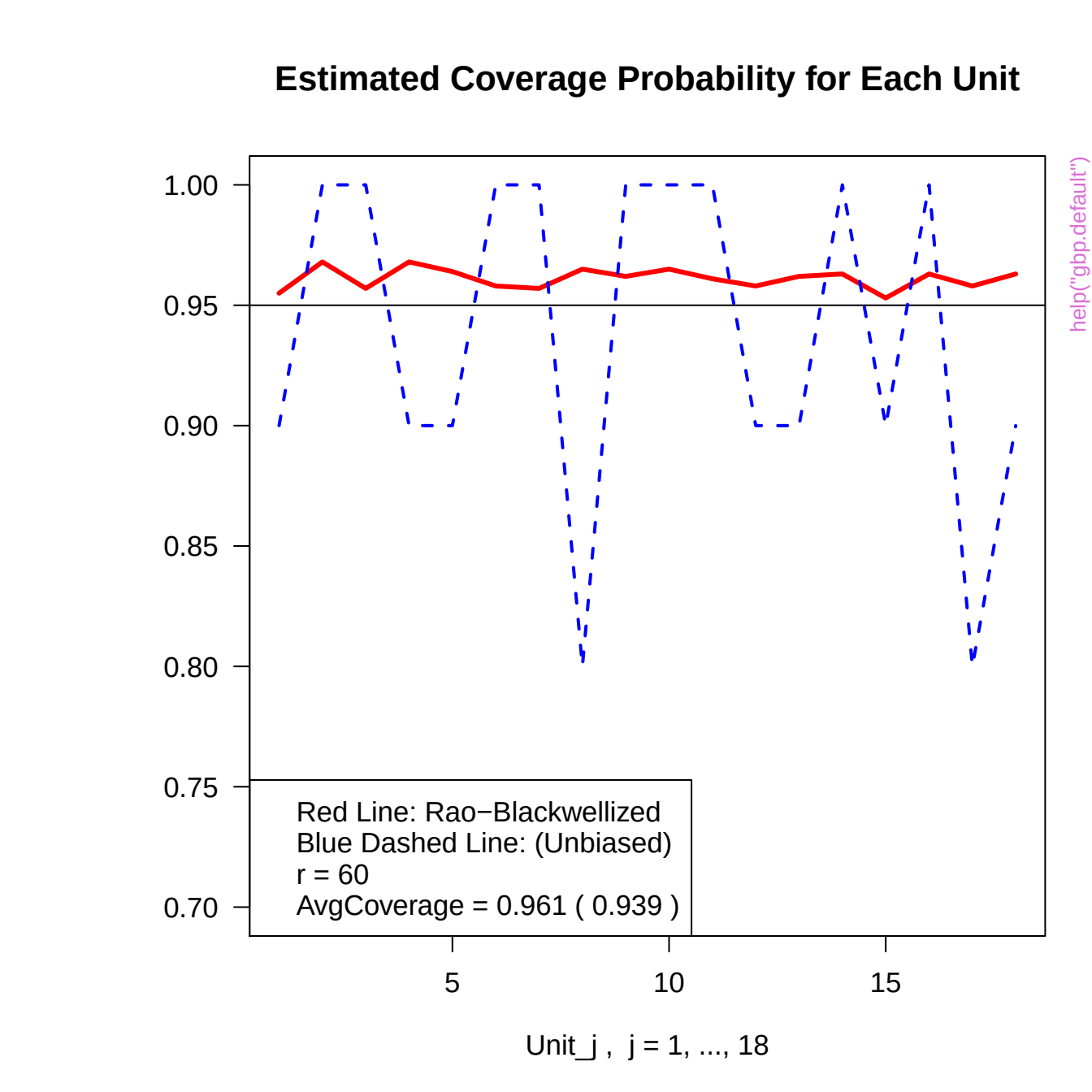

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45

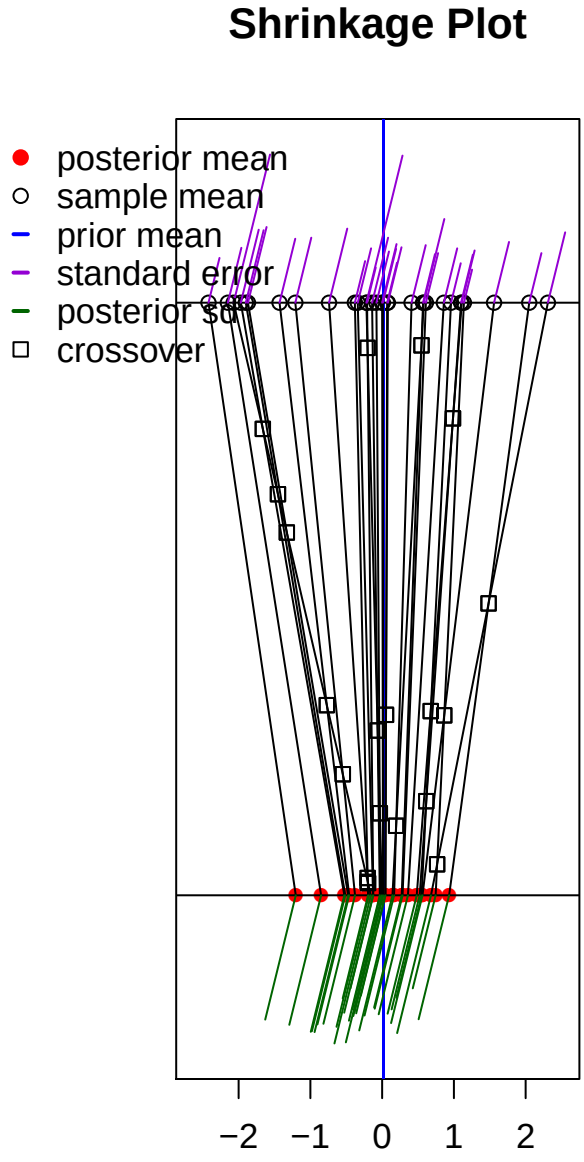

95 % Interval Estimates
help("gbp.default")
0.45
0.40
0.35
0.30
0.25
0.20
0.15
5
10
15
Units sorted by the increasing order o

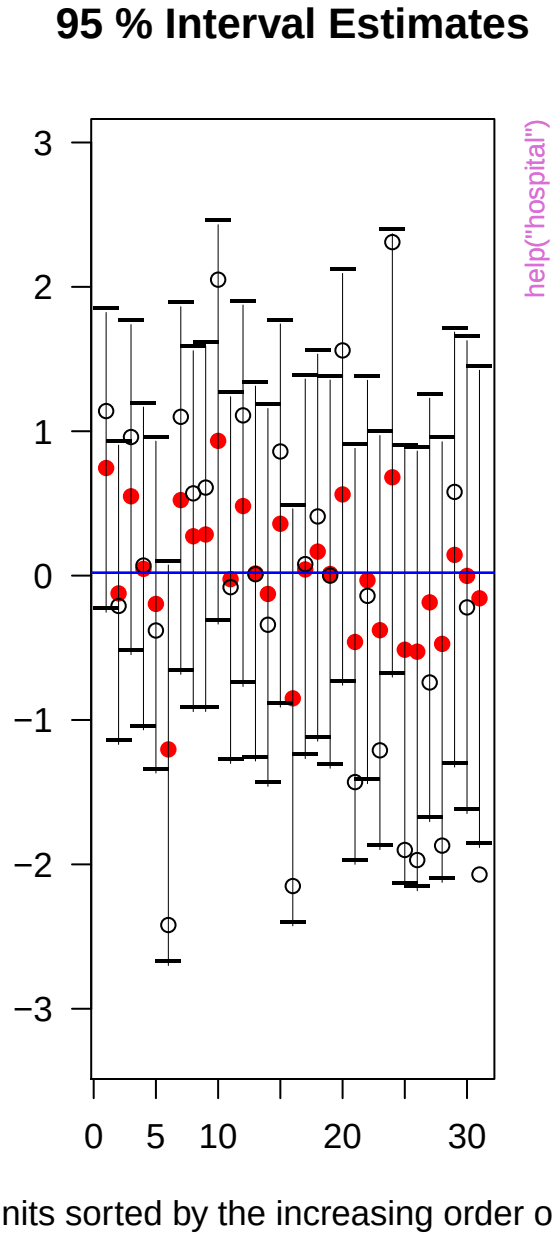

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.15
0.25
0.35
0.45

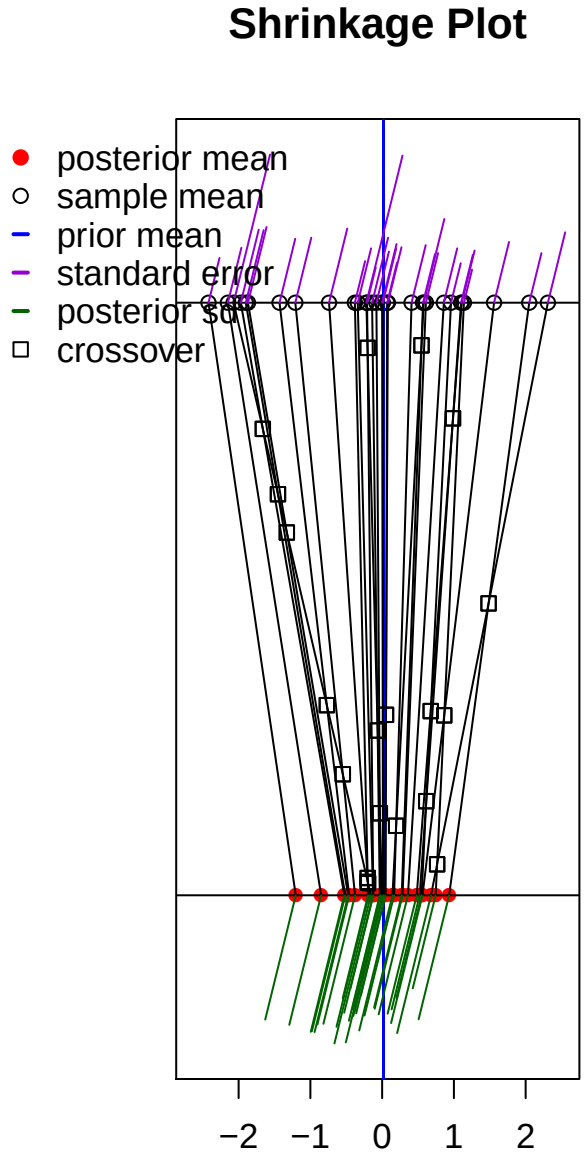

95 % Interval Estimates
help("gbp.default")
0.45
0.40
0.35
0.30
0.25
0.20
0.15
5
10
15
ndices (Groups) by the order of data i

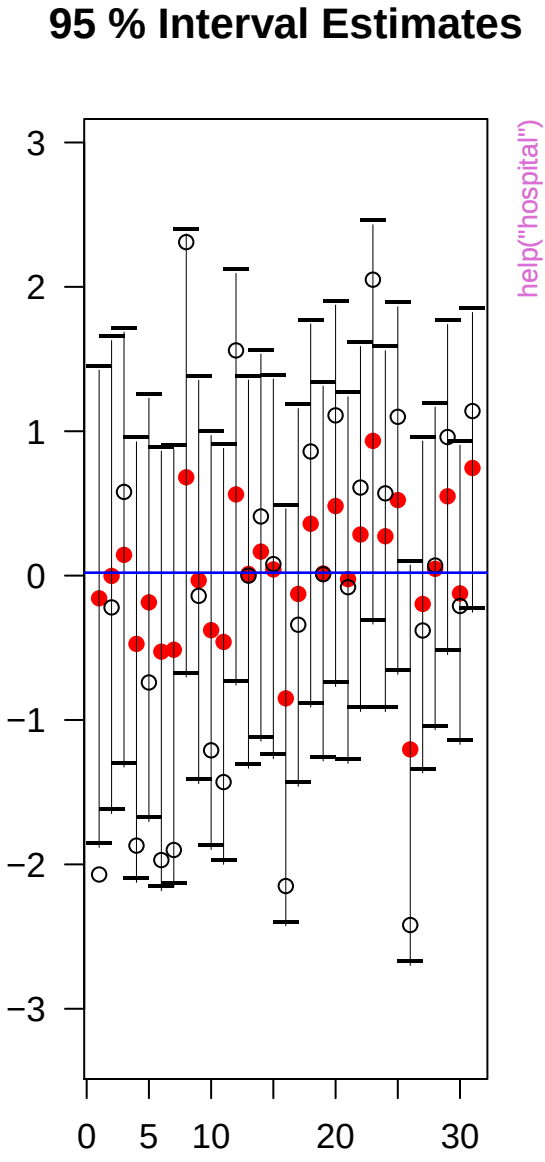

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 128.95
AvgCoverage = 0.966 (0.972)
help("gbp.default")

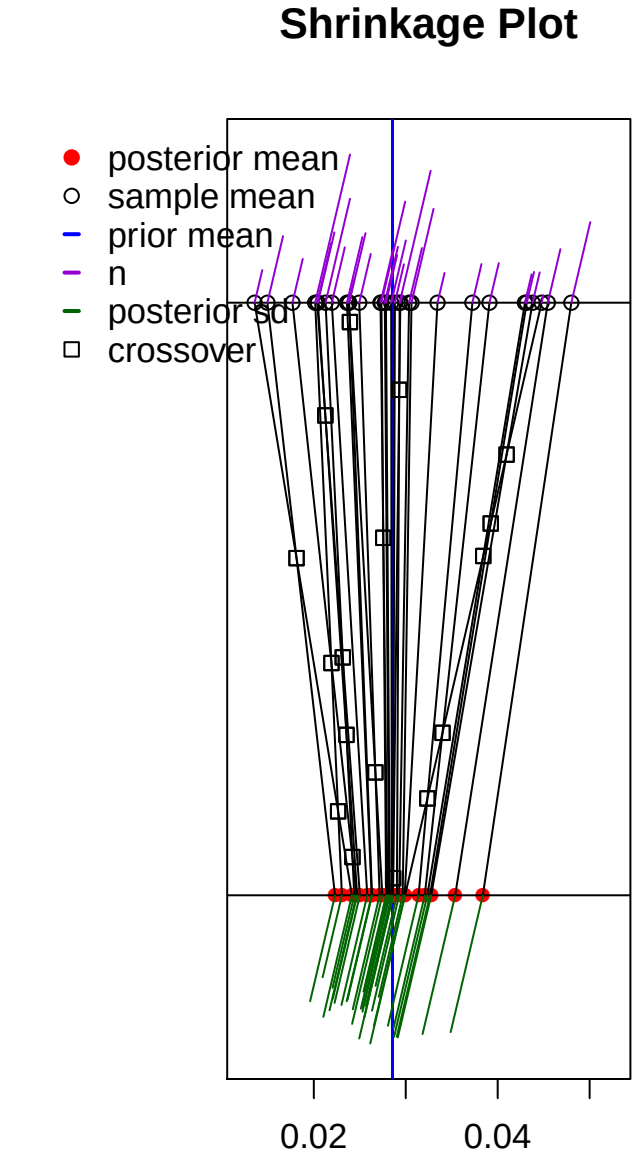

Estimated Coverage Probability for Each Unit
1.00
0.95
0.90
0.85
0.80
0.75
0.70
5
10
15
Unit_j , j = 1, ..., 18
Red Line: Rao−Blackwellized
Blue Dashed Line: (Unbiased)
r = 60
AvgCoverage = 0.961 (0.939)
help("gbp.default")

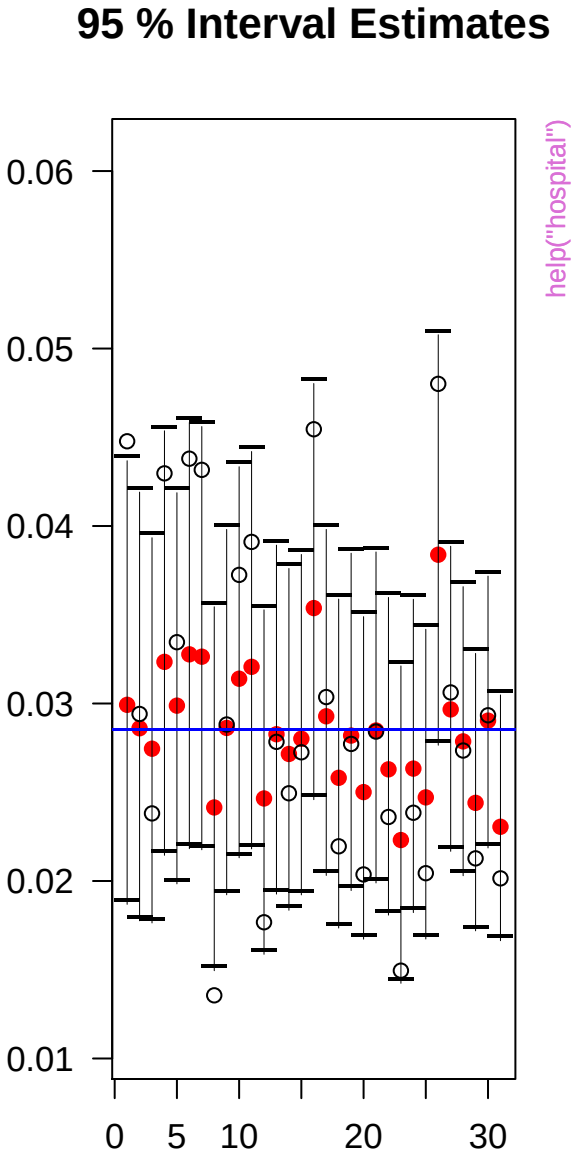

Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
−2
−1
0
1
2

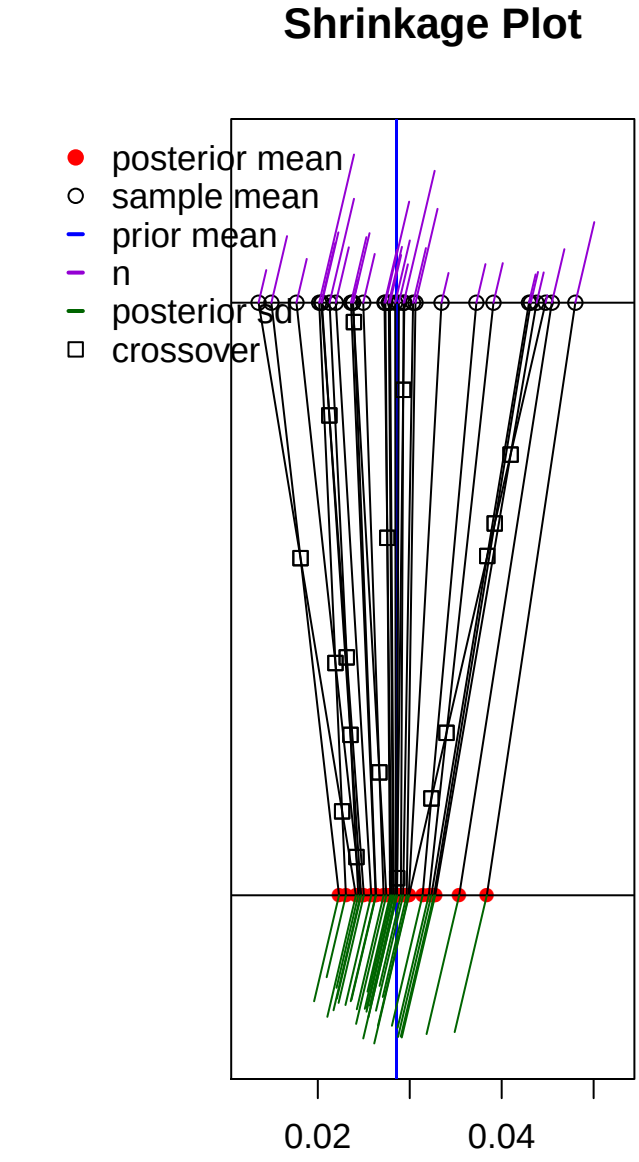

95 % Interval Estimates
help("hospital")
3
2
1
0
−1
−2
−3
0
5
10
20
30
Units sorted by the increasing order o

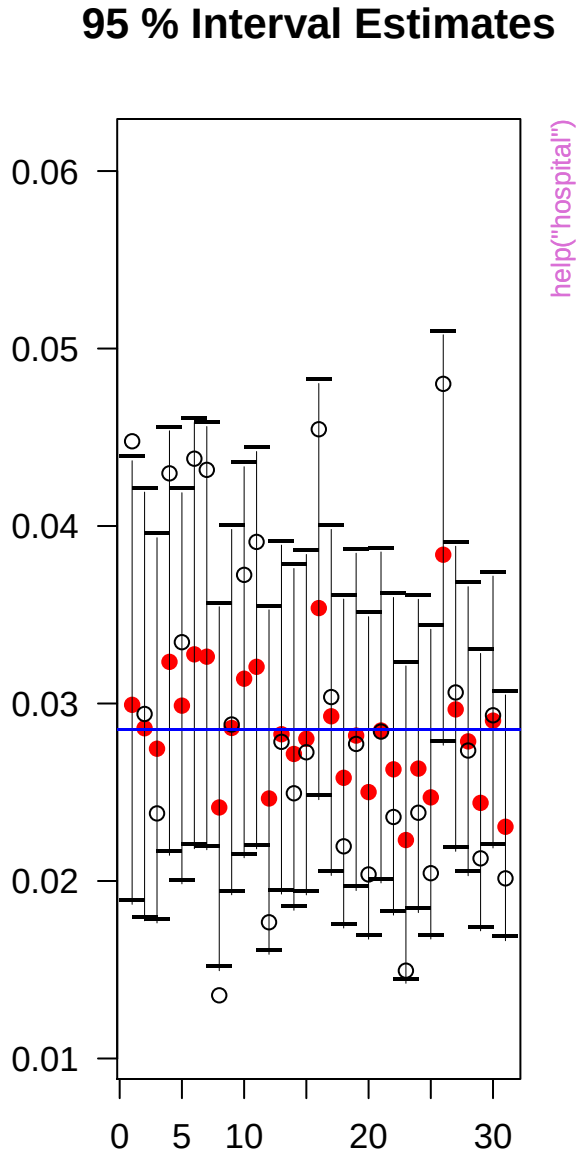

Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
−2
−1
0
1
2

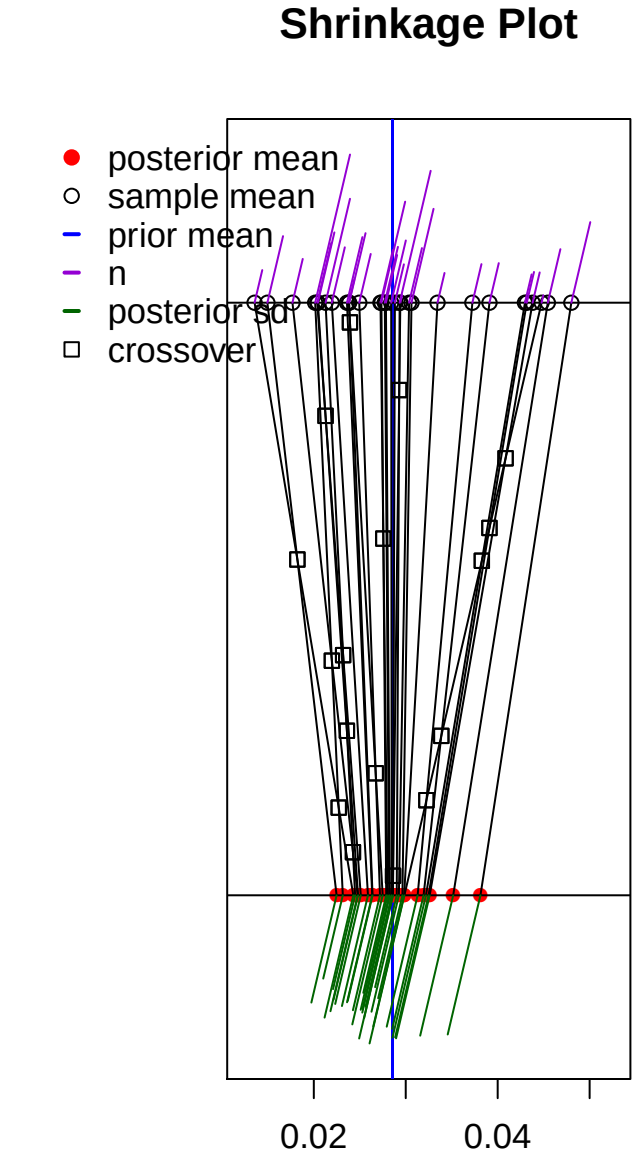

95 % Interval Estimates
3
2
1
0
−1
−2
−3
0
5
10
20
30
help("hospital")
ndices (Groups) by the order of data i

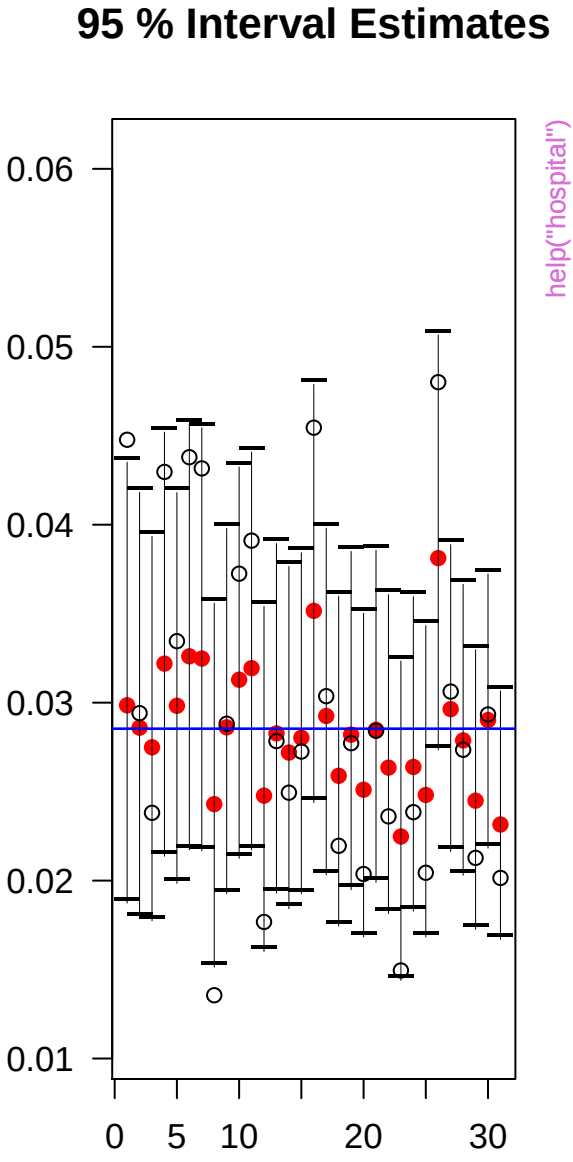

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.02
0.04

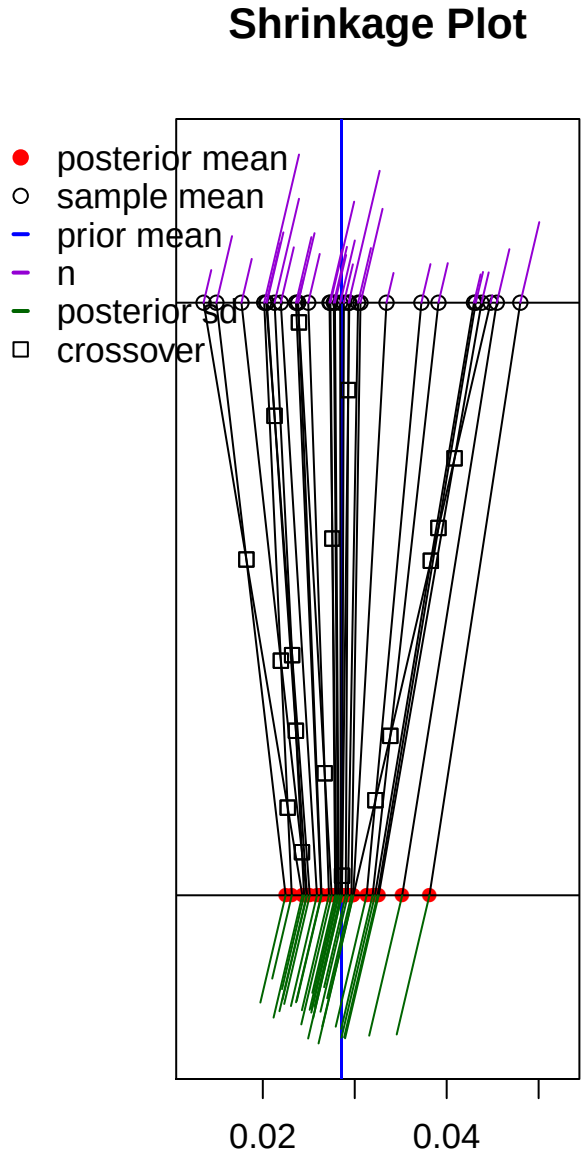

95 % Interval Estimates
help("hospital")
0.06
0.05
0.04
0.03
0.02
0.01
0
5
10
20
30
Units sorted by the increasing order o

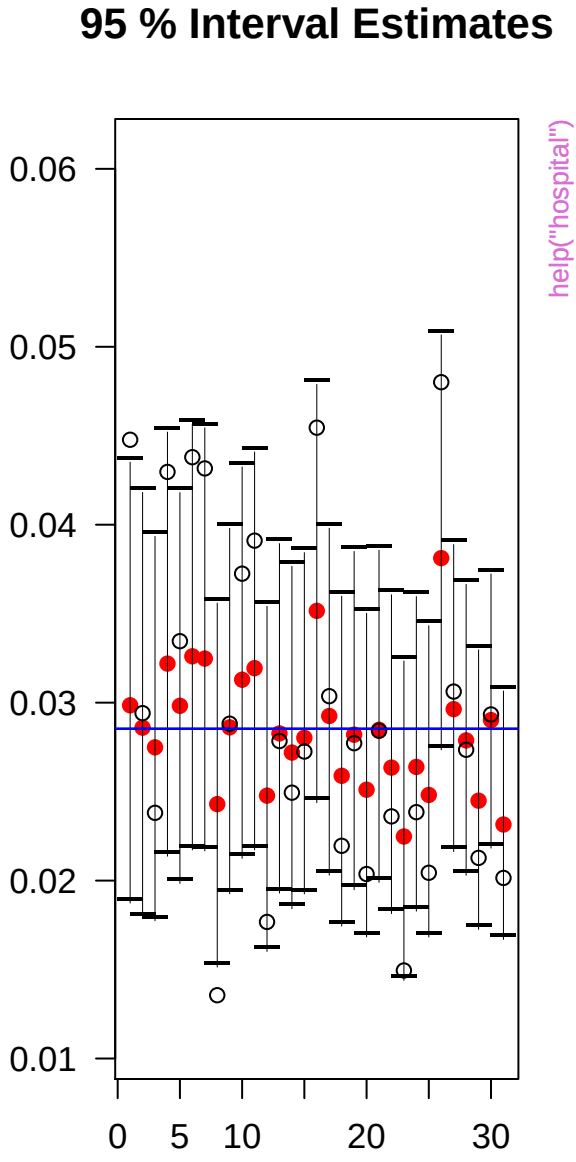

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.02
0.04

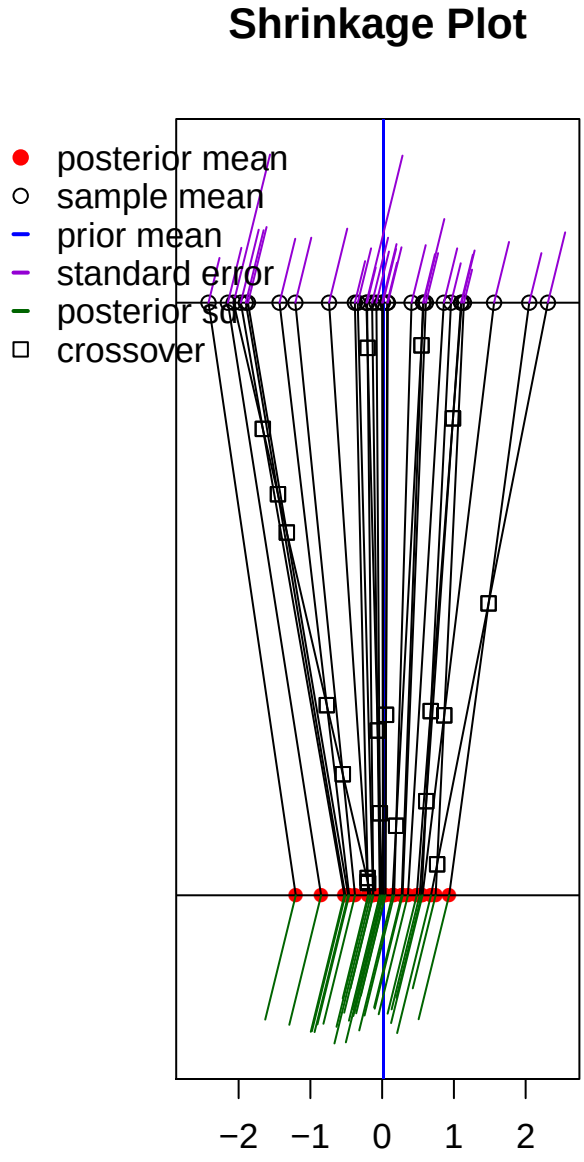

95 % Interval Estimates
help("hospital")
0.06
0.05
0.04
0.03
0.02
0.01
0
5
10
20
30
ndices (Groups) by the order of data i

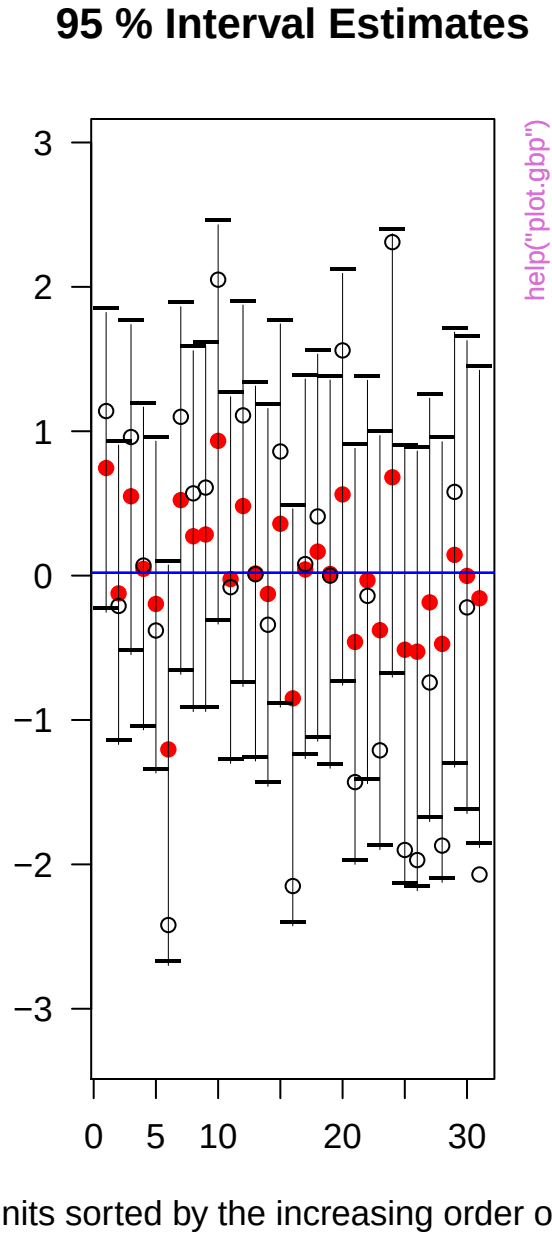

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.02
0.04

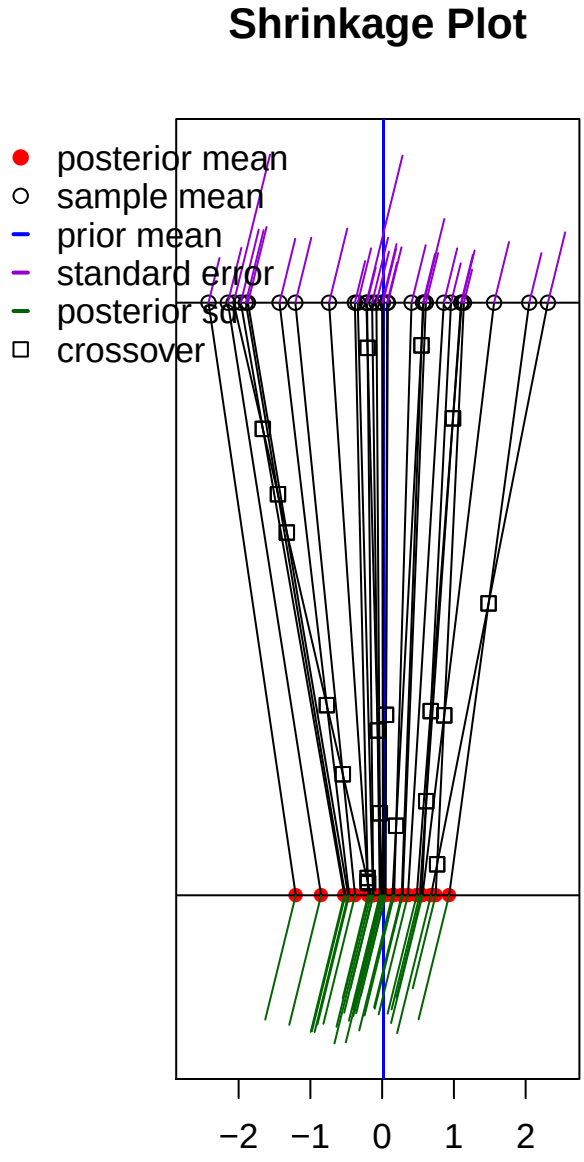

95 % Interval Estimates
help("hospital")
0.06
0.05
0.04
0.03
0.02
0.01
0
5
10
20
30
Units sorted by the increasing order o

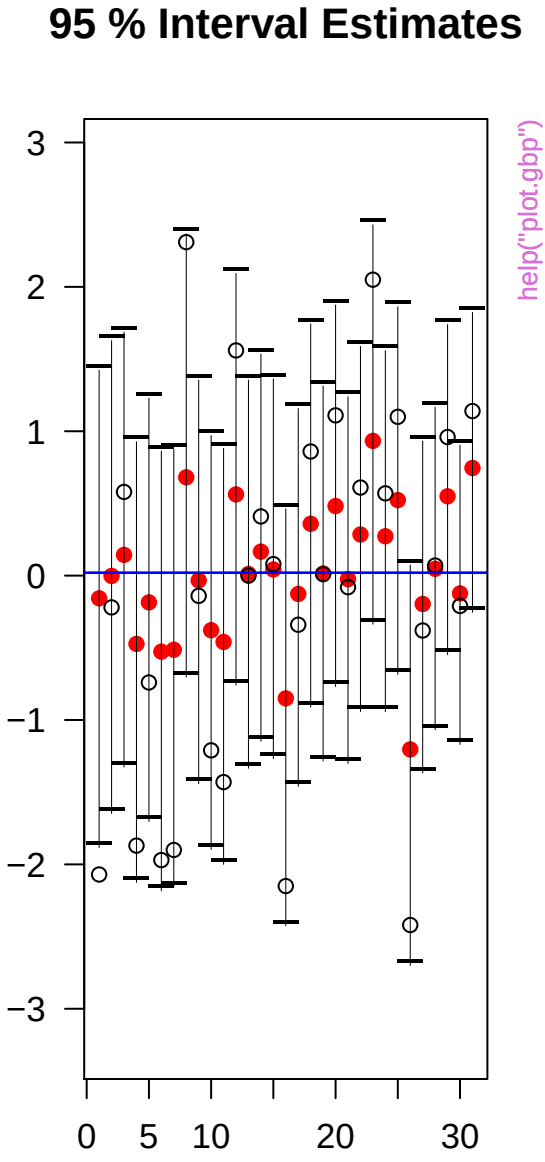

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.02
0.04

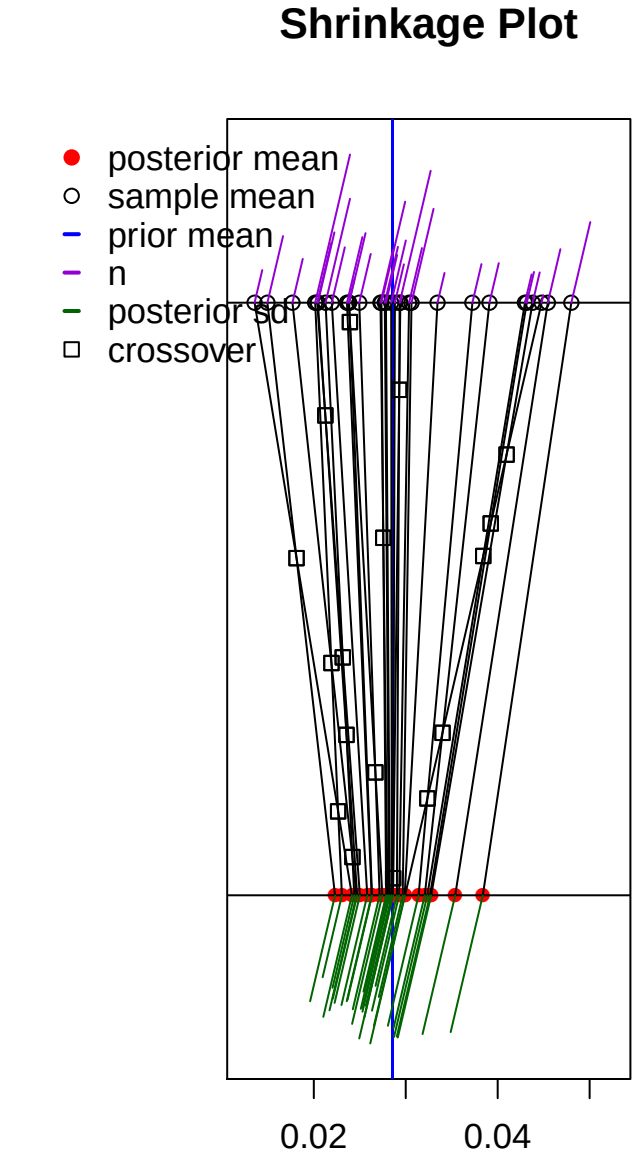

95 % Interval Estimates
help("hospital")
0.06
0.05
0.04
0.03
0.02
0.01
0
5
10
20
30
ndices (Groups) by the order of data i

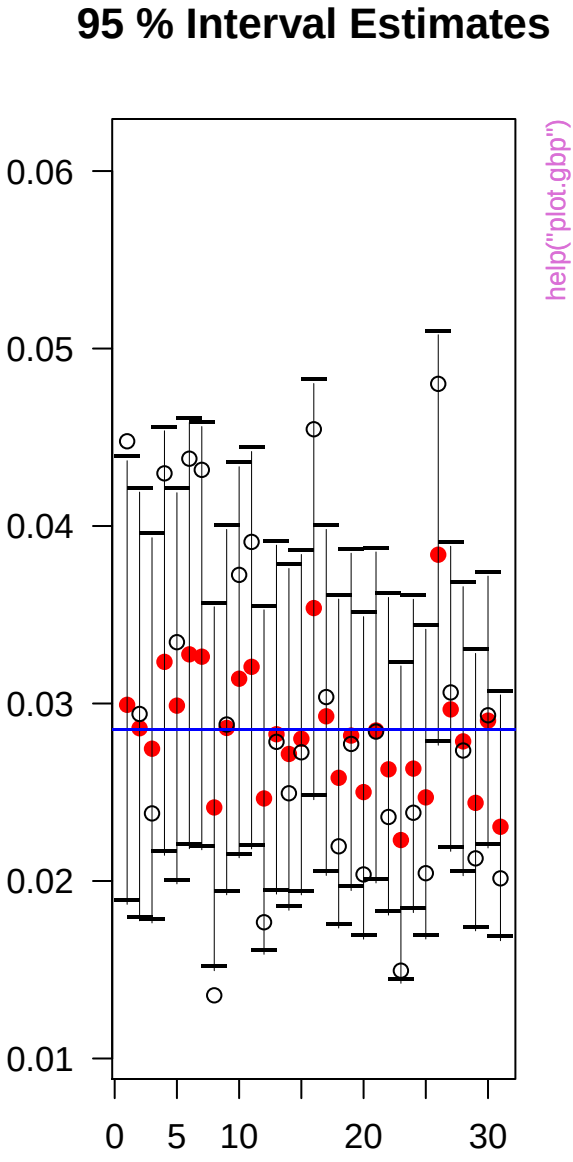

Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior su
crossover
−2
−1
0
1
2

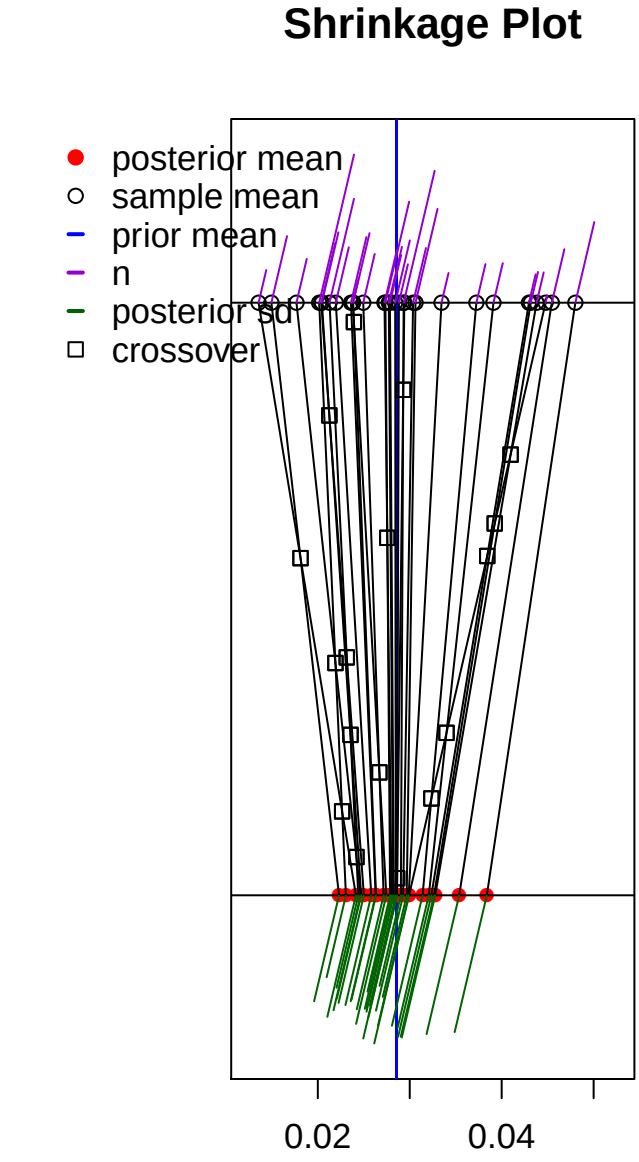

95 % Interval Estimates
help("plot.gbp")
3
2
1
0
−1
−2
−3
0
5
10
20
30
Units sorted by the increasing order o

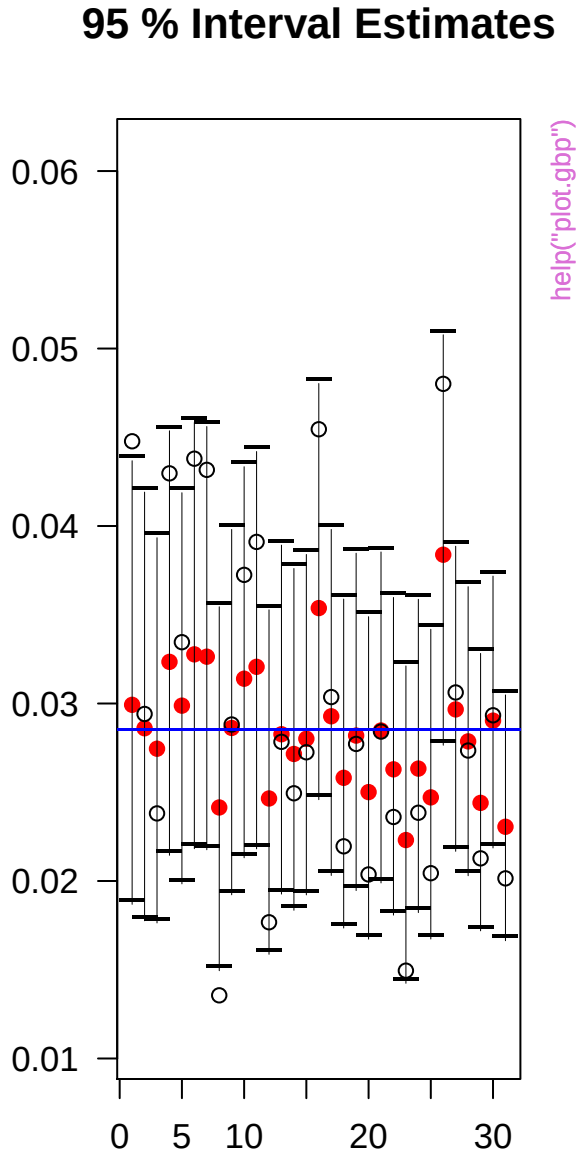

Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
−2
−1
0
1
2


95 % Interval Estimates
help("plot.gbp")
3
2
1
0
−1
−2
−3
0
5
10
20
30
ndices (Groups) by the order of data i

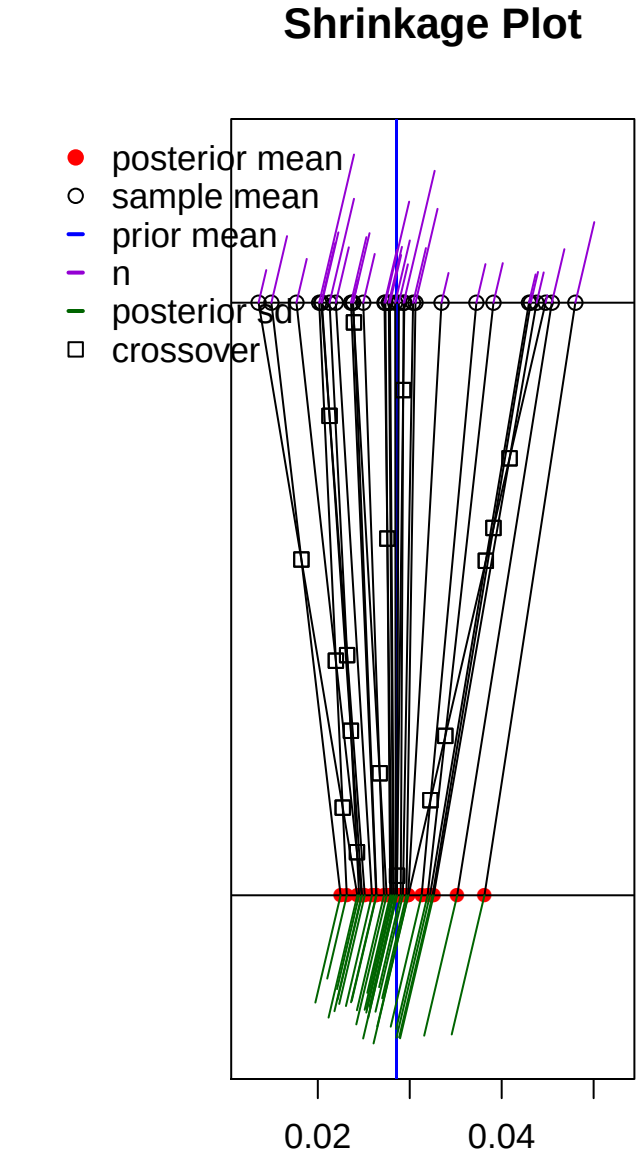

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.02
0.04

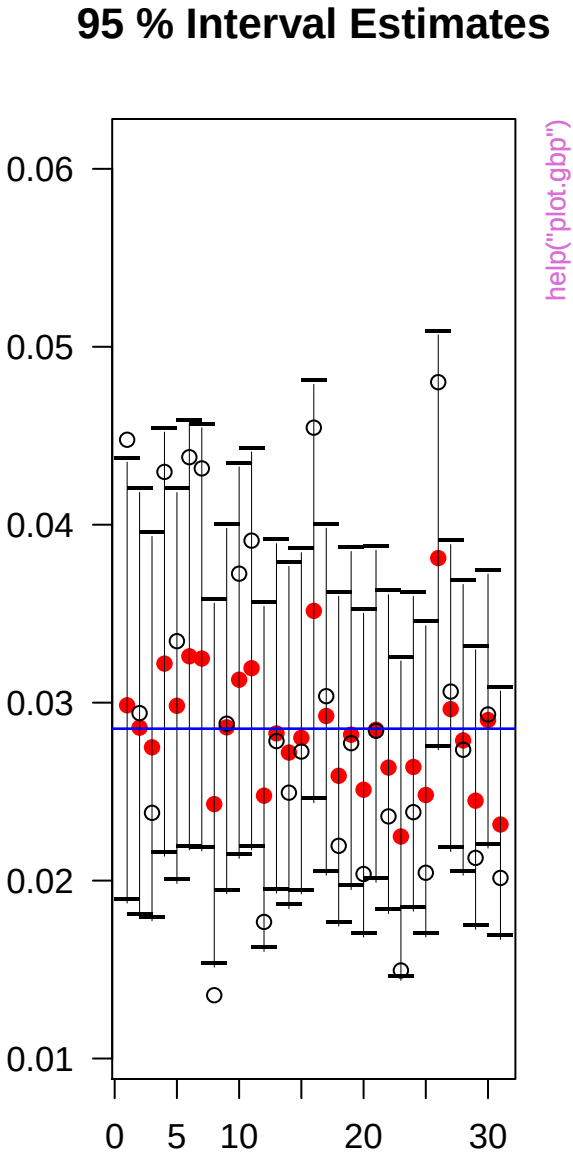

95 % Interval Estimates
help("plot.gbp")
0.06
0.05
0.04
0.03
0.02
0.01
0
5
10
20
30
Units sorted by the increasing order o

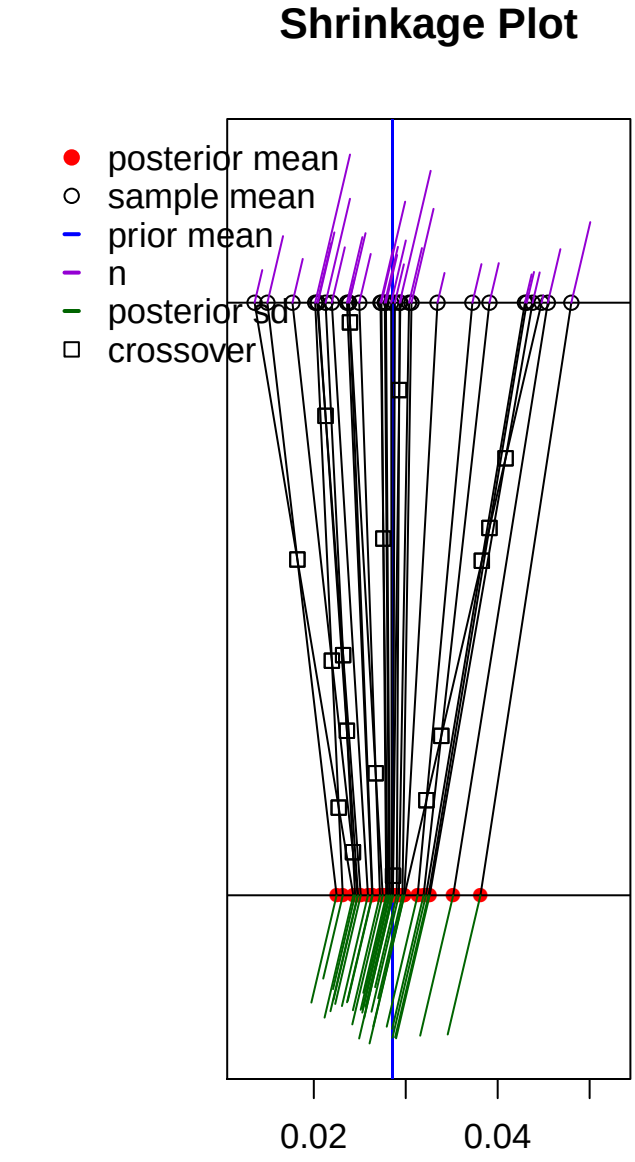


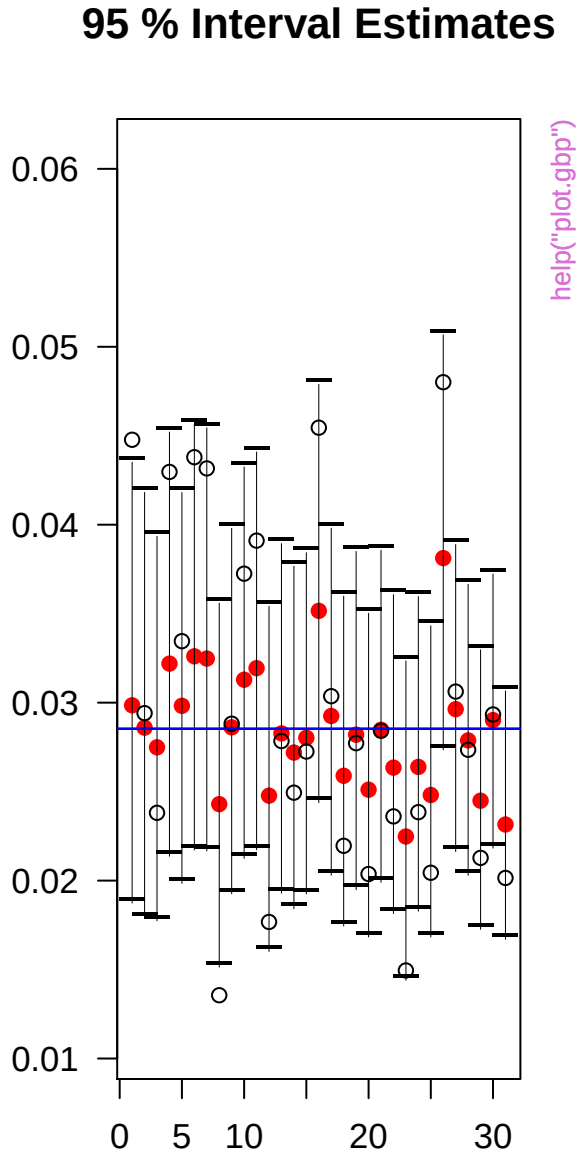


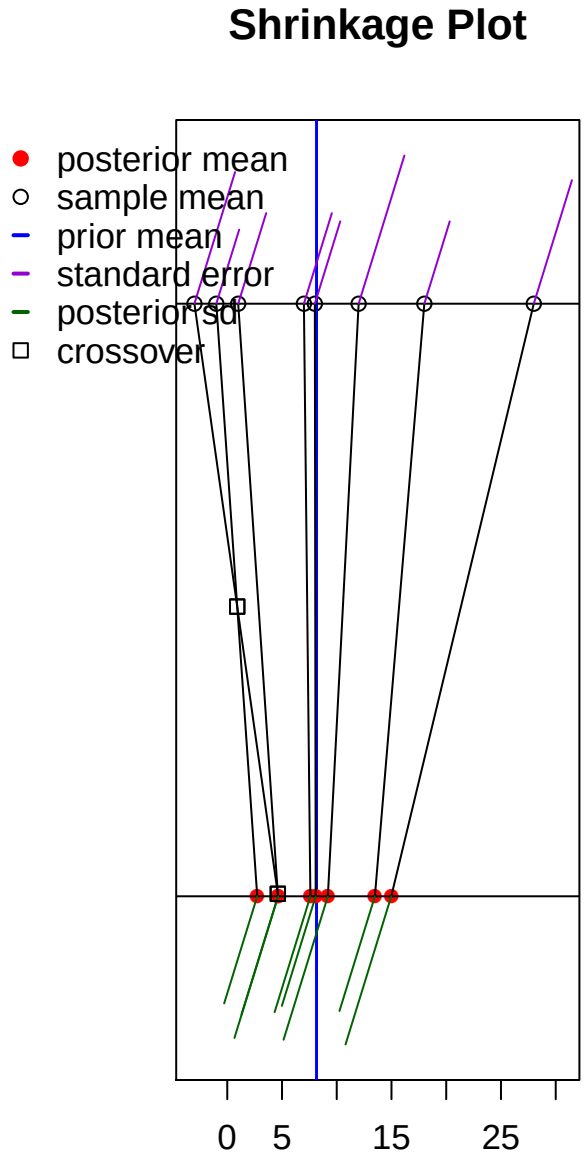
ndices (Groups) by the order of data i

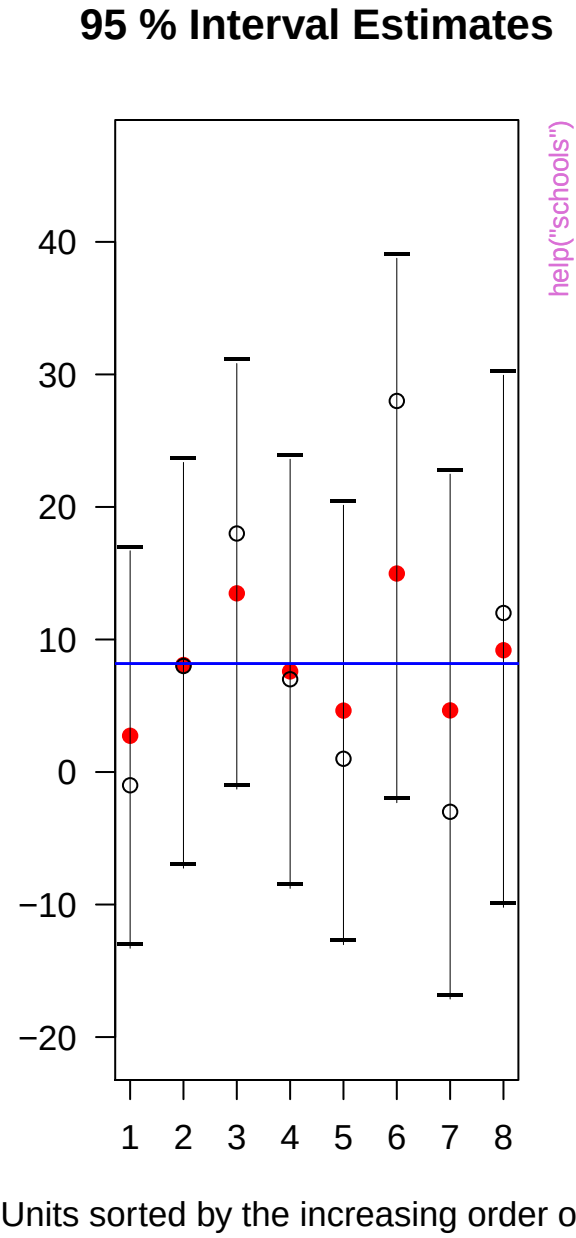

Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.02
0.04


95 % Interval Estimates
help("plot.gbp")
0.06
0.05
0.04
0.03
0.02
0.01
0
5
10
20
30
Units sorted by the increasing order o


Shrinkage Plot
posterior mean
sample mean
prior mean
n
posterior sd
crossover
0.02
0.04


95 % Interval Estimates
0.06
0.05
0.04
0.03
0.02
0.01
0
5
10
20
30
help("plot.gbp")
ndices (Groups) by the order of data i


Shrinkage Plot
posterior mean
sample mean
prior mean
standard error
posterior sd
crossover
0
5
15
25


95 % Interval Estimates
help("schools")
40
30
20
10
0
−10
−20
1
2
3
4
5
6
7
8
Units sorted by the increasing order o