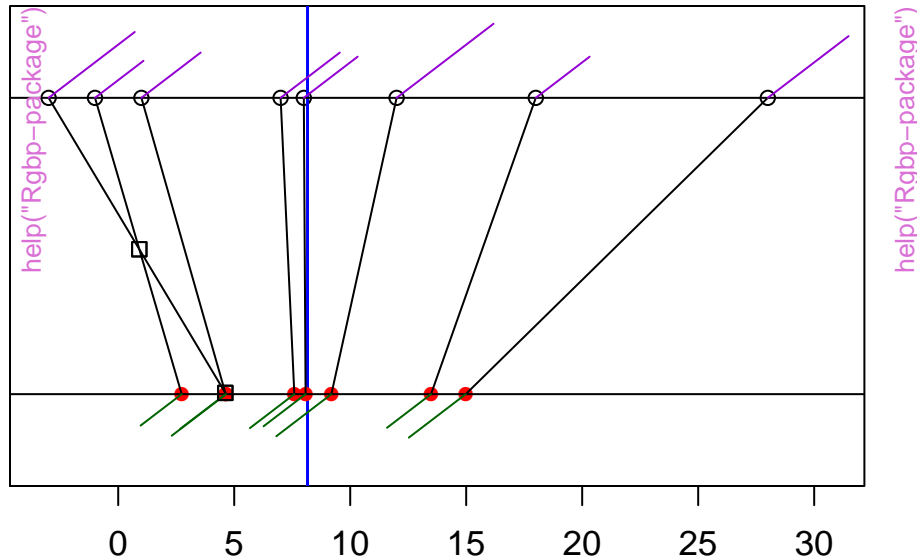
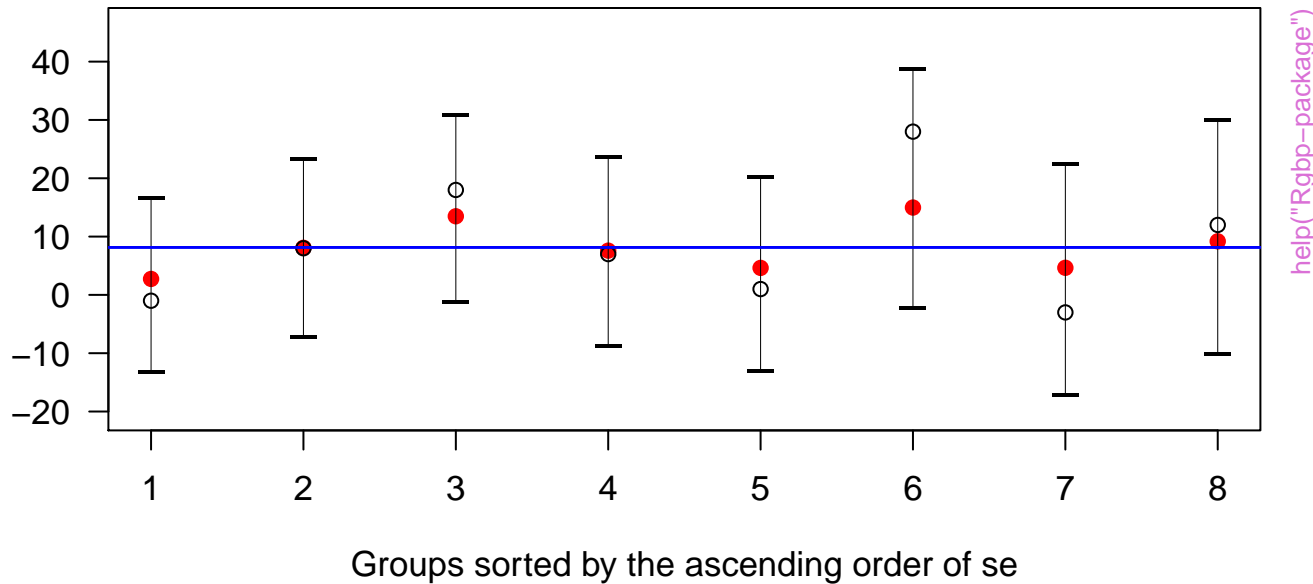


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover

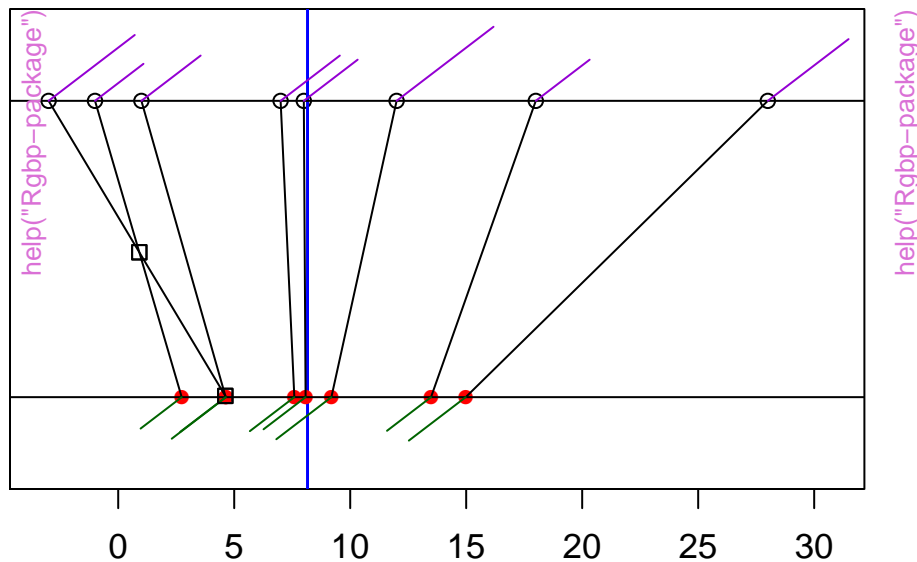


95 % Interval plot

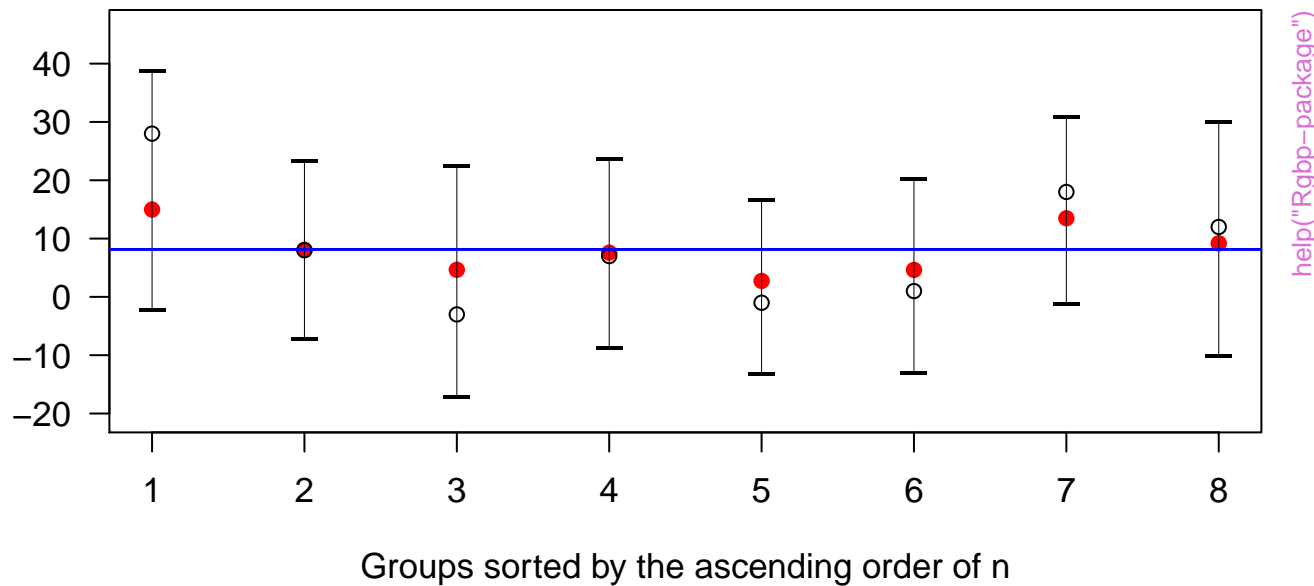


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover

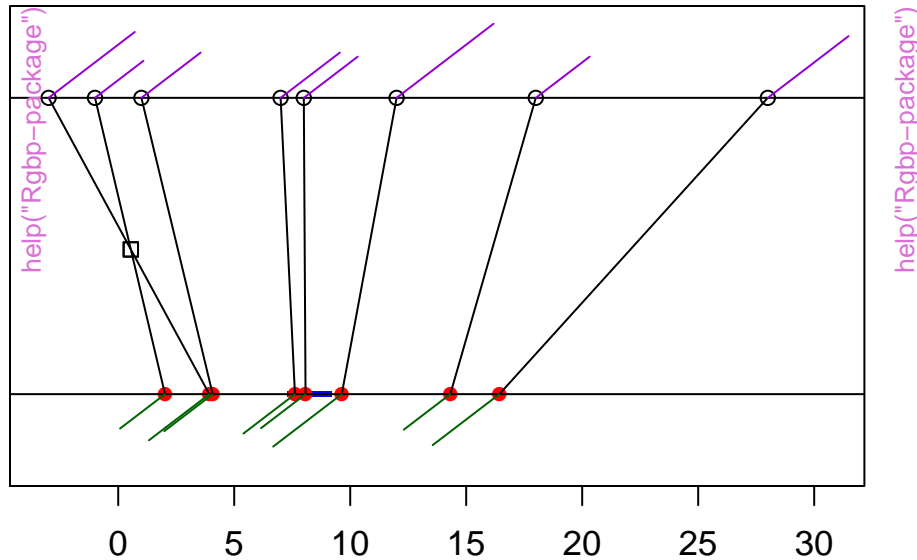


95 % Interval plot

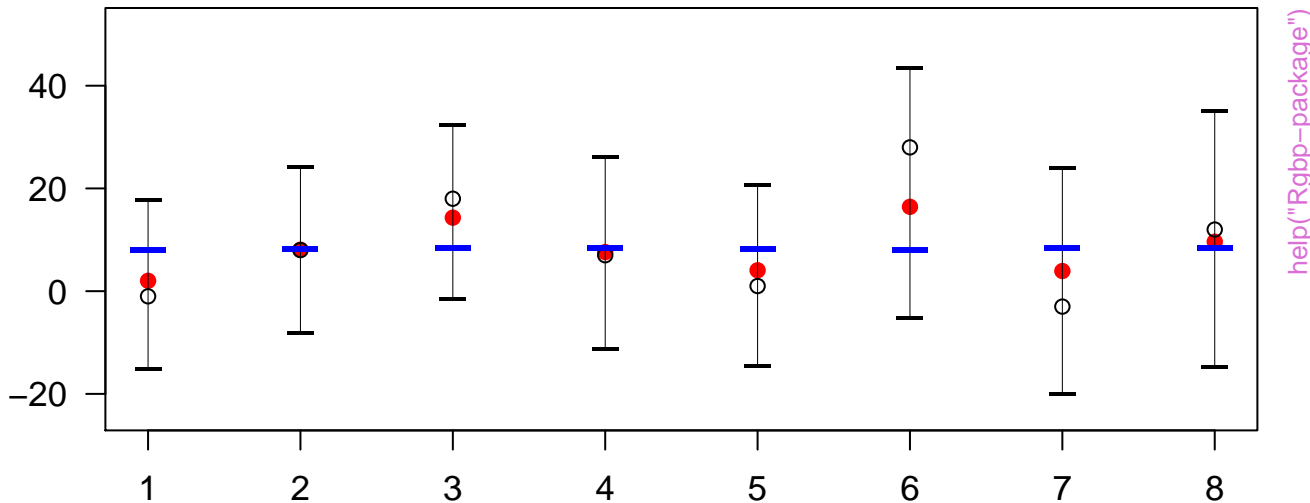


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



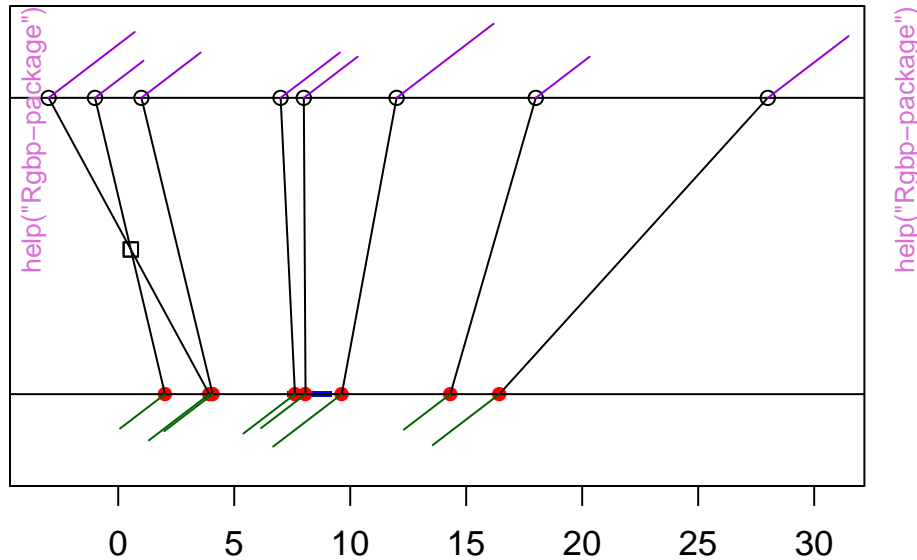
95 % Interval plot



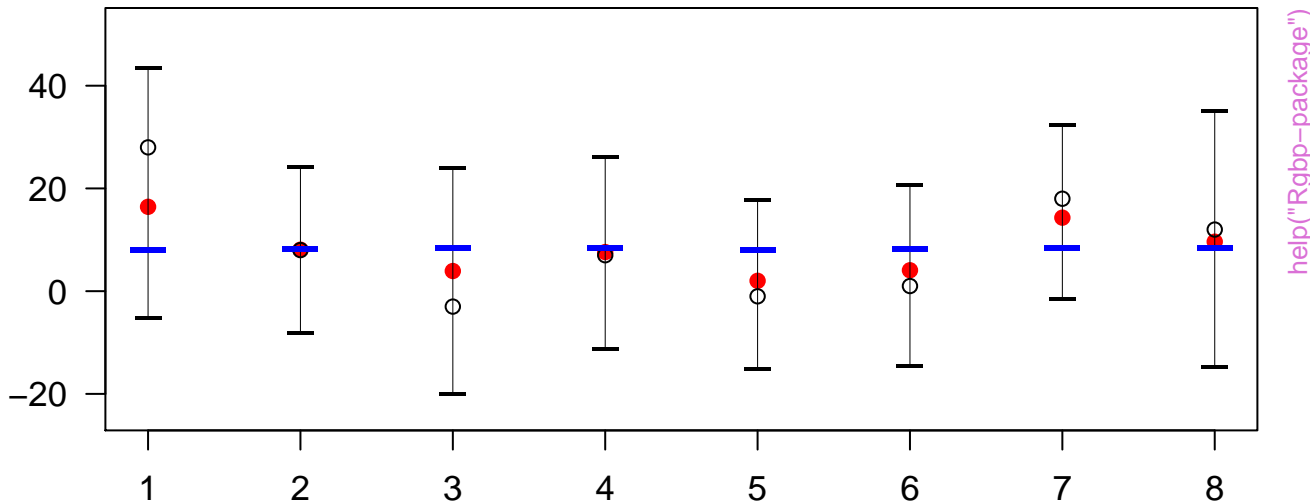
Groups sorted by the ascending order of se

Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



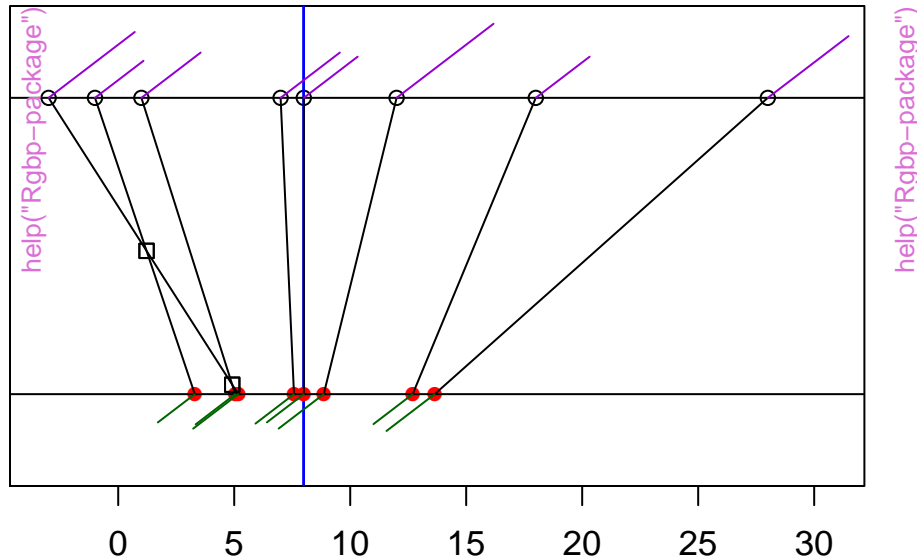
95 % Interval plot



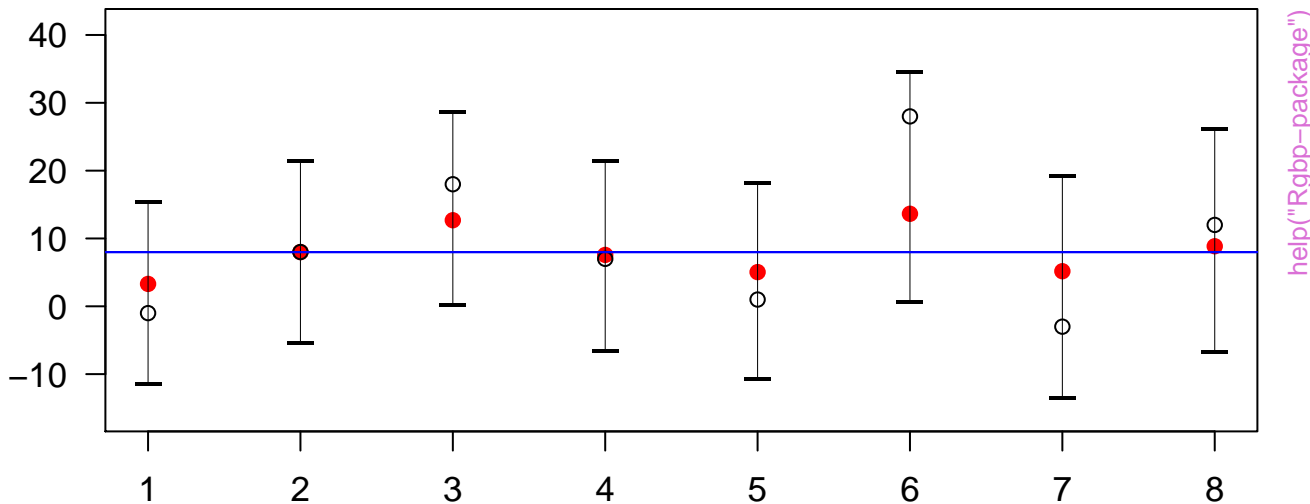
Groups sorted by the ascending order of n

Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



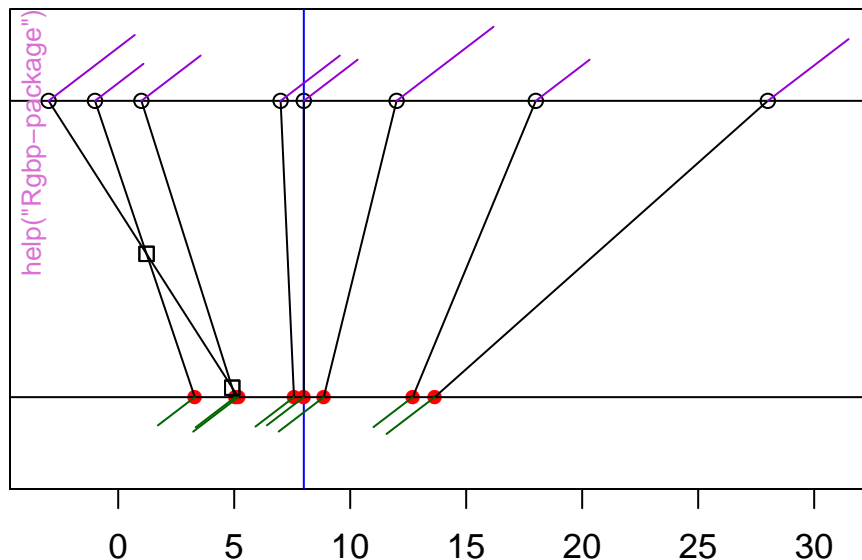
95 % Interval plot



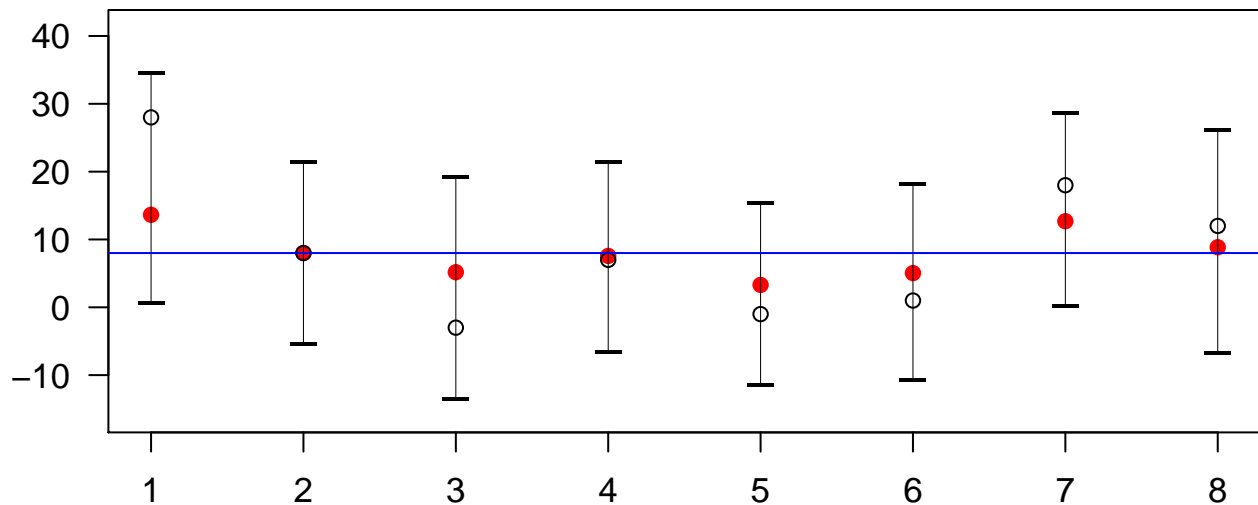
Groups sorted by the ascending order of se

Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



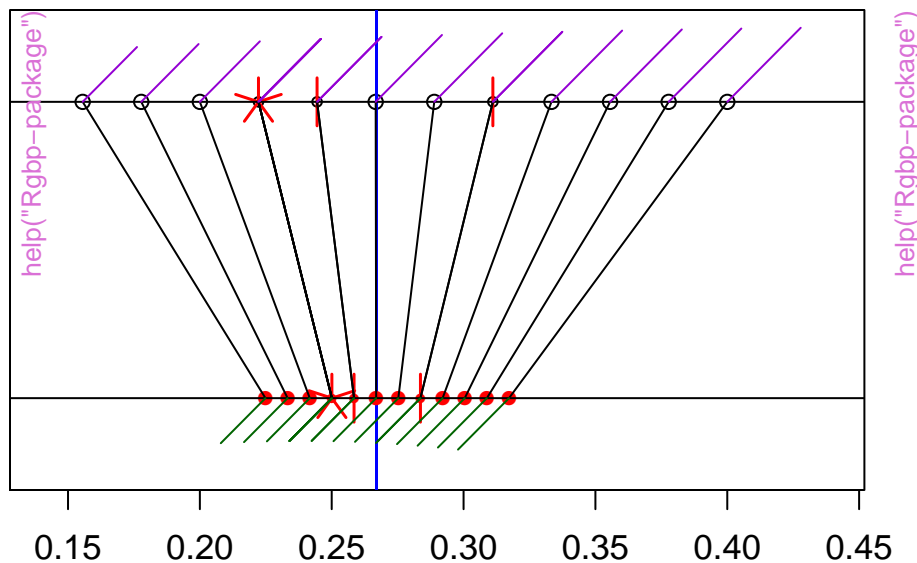
95 % Interval plot



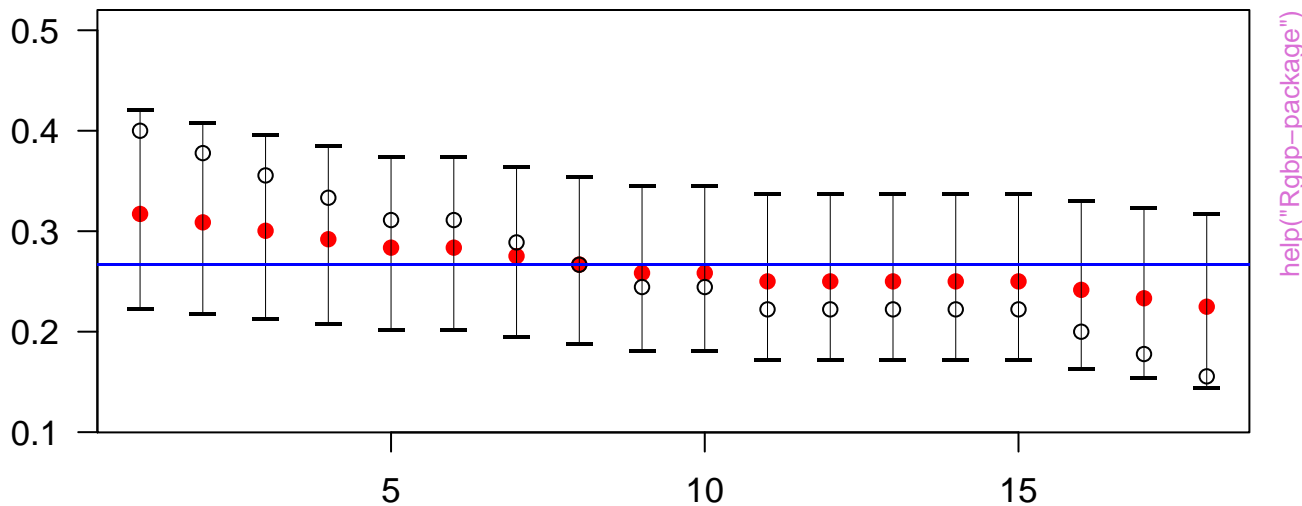
Groups sorted by the ascending order of n

Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover



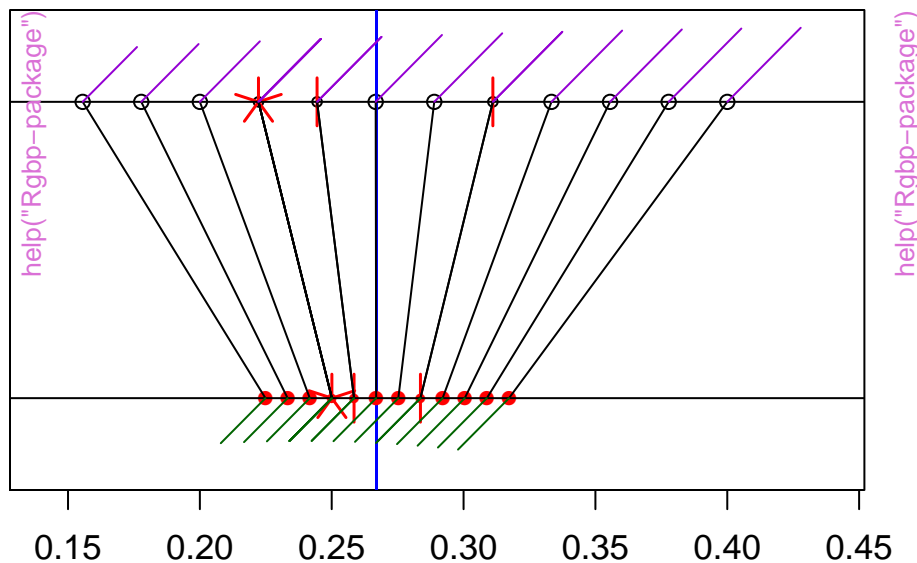
95 % Interval plot



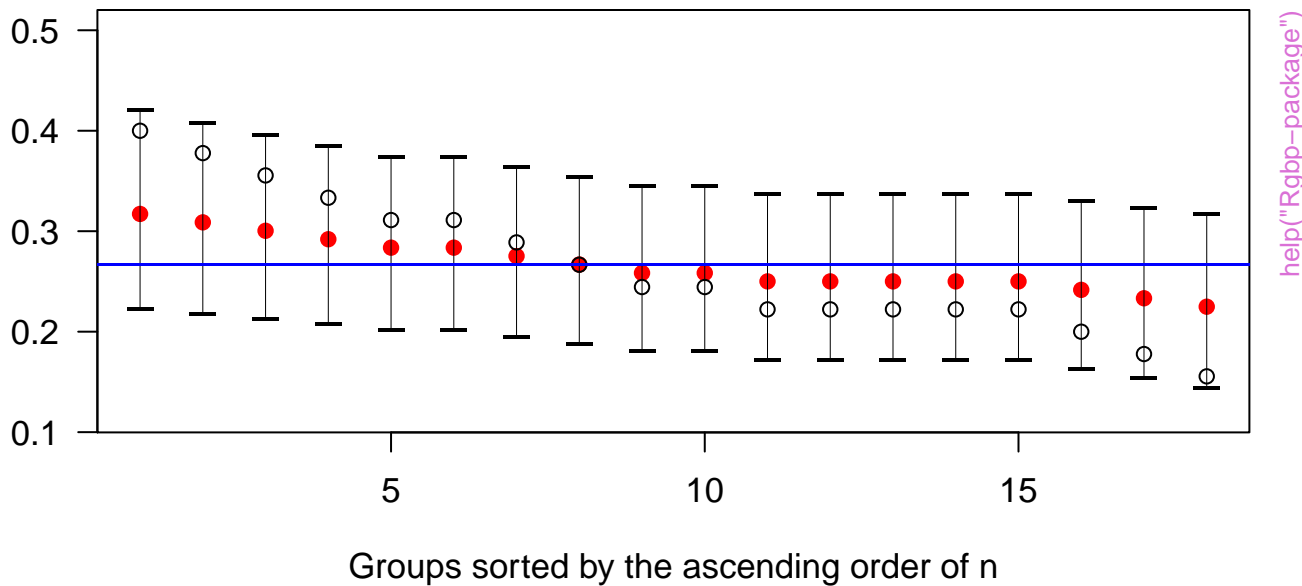
Groups sorted by the ascending order of n

Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

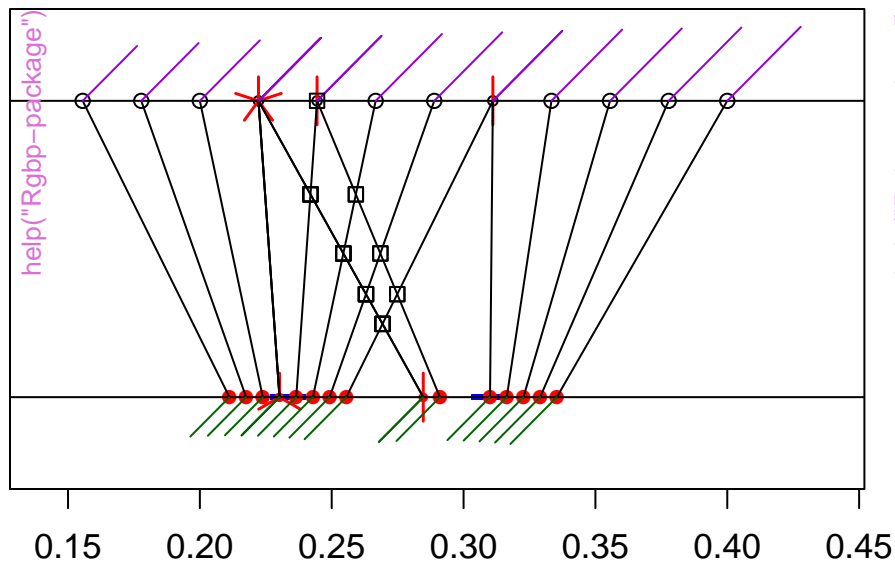


95 % Interval plot

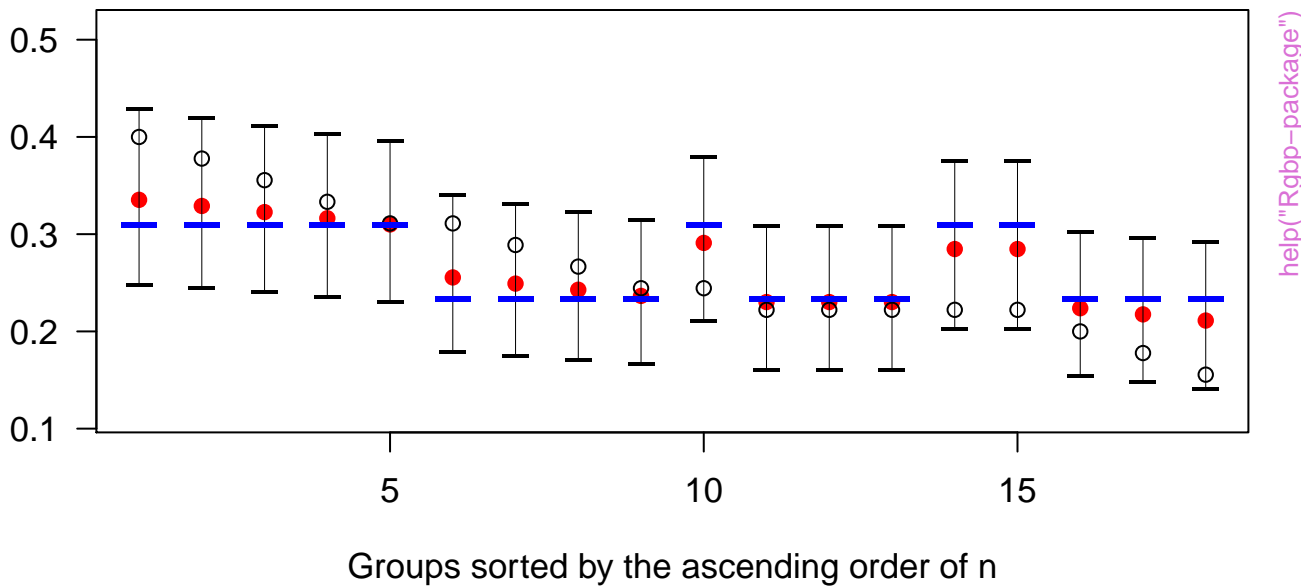


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

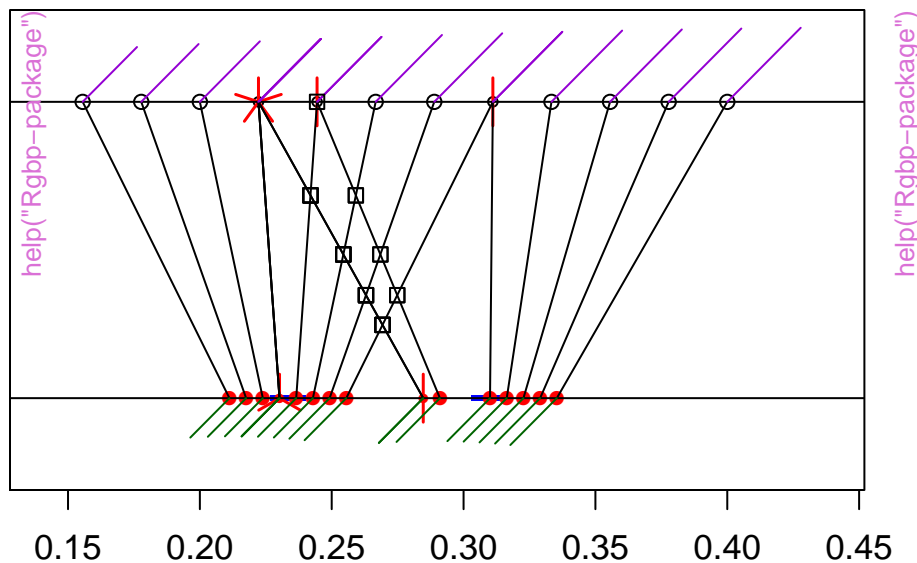


95 % Interval plot

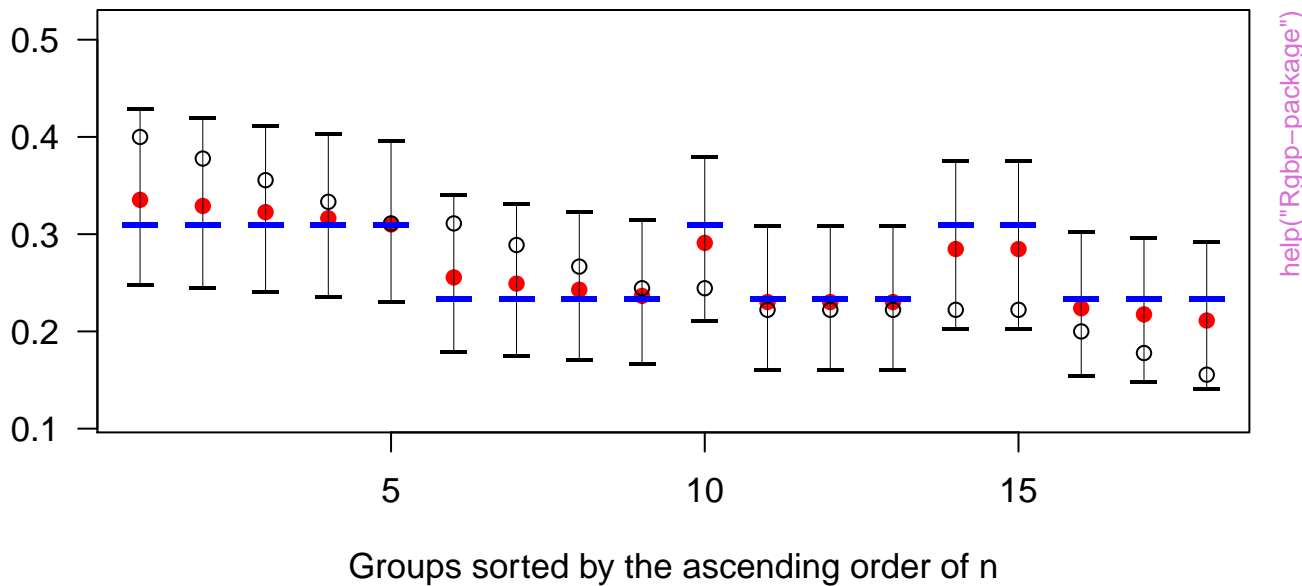


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

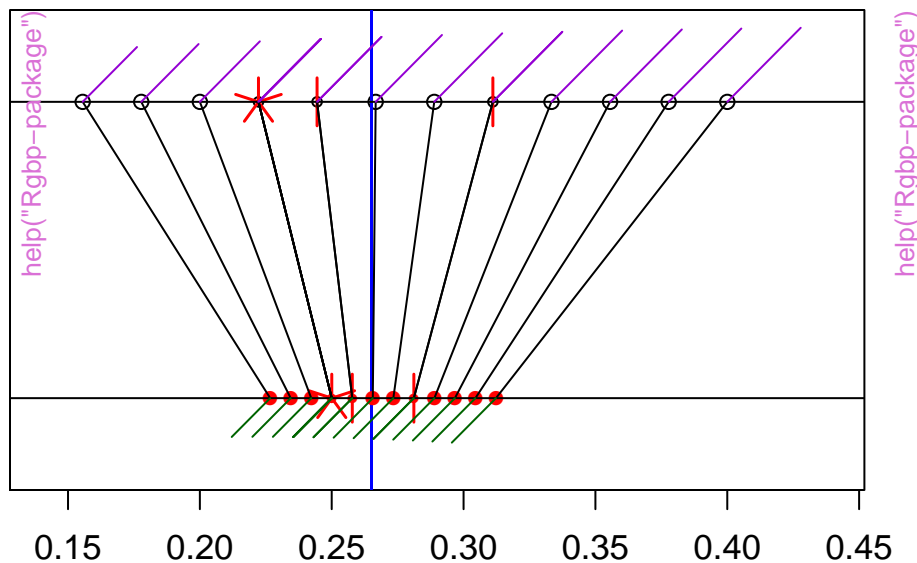


95 % Interval plot

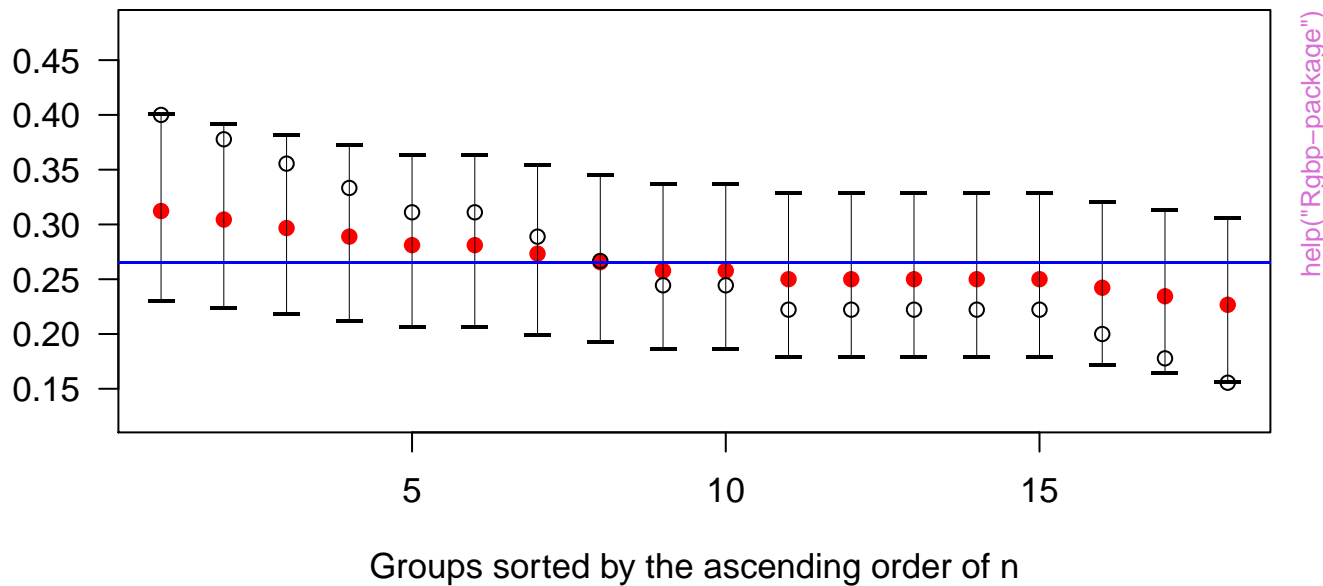


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

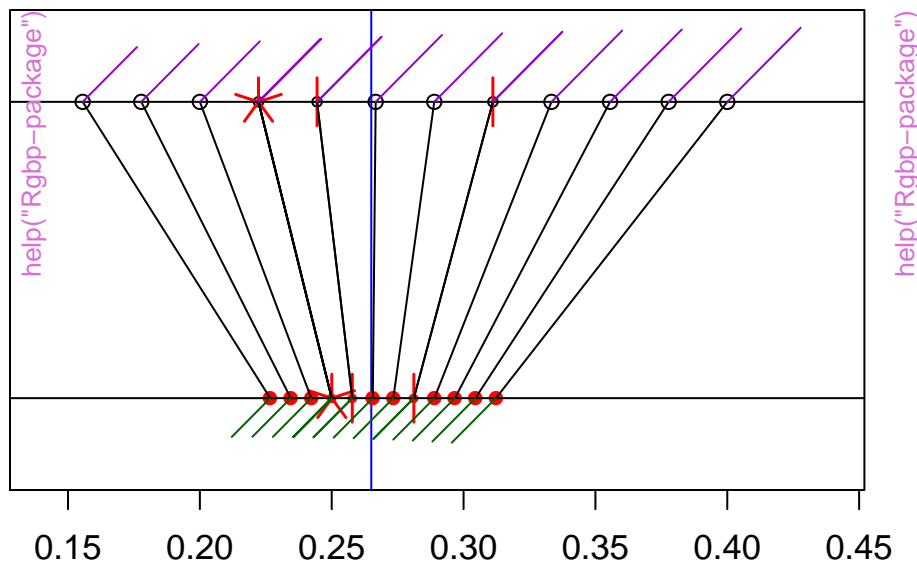


95 % Interval plot

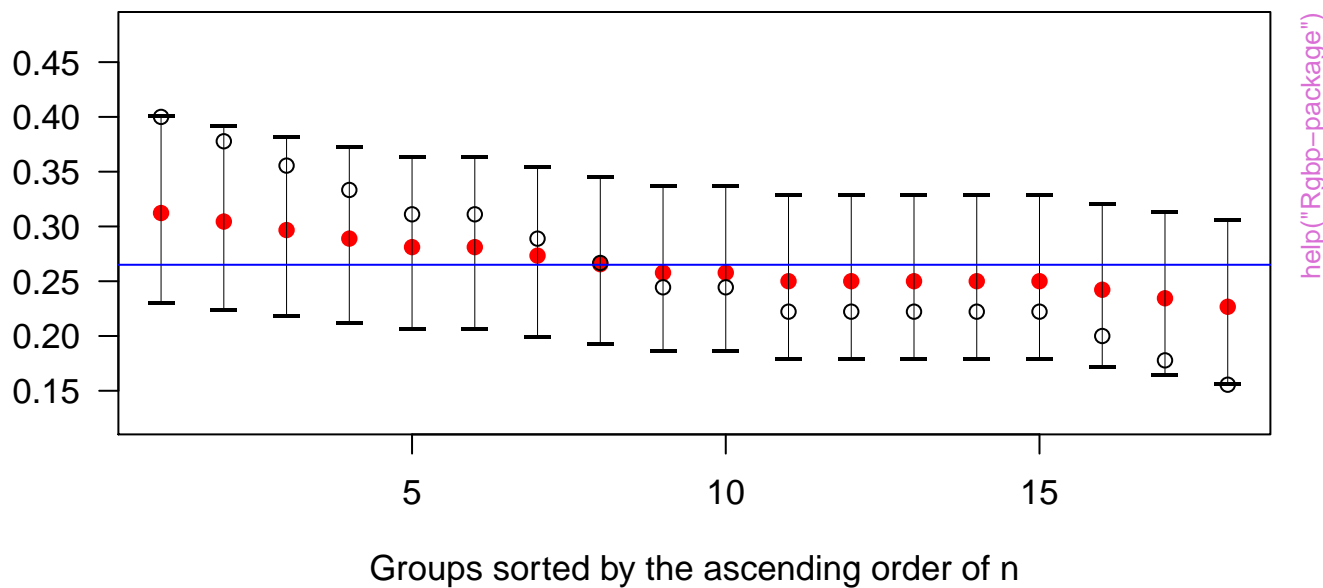


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

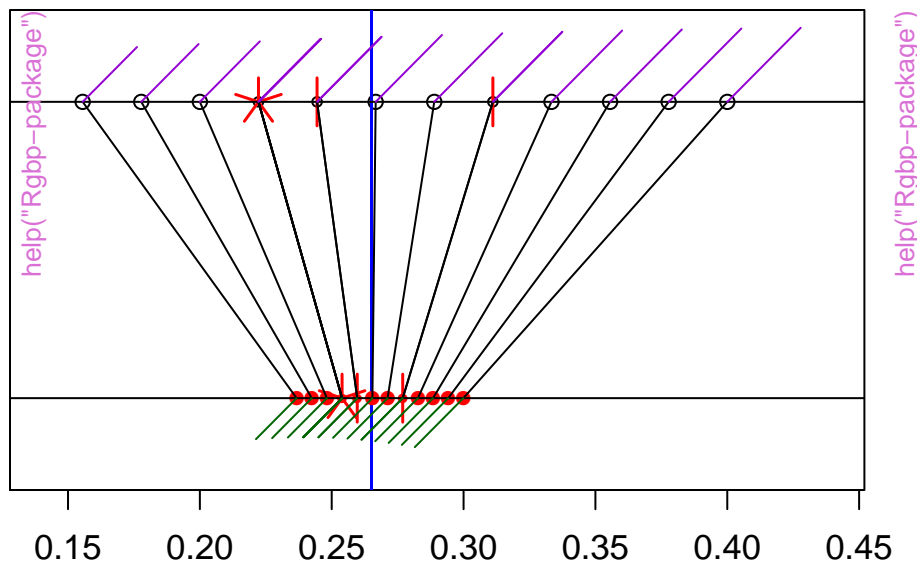


95 % Interval plot

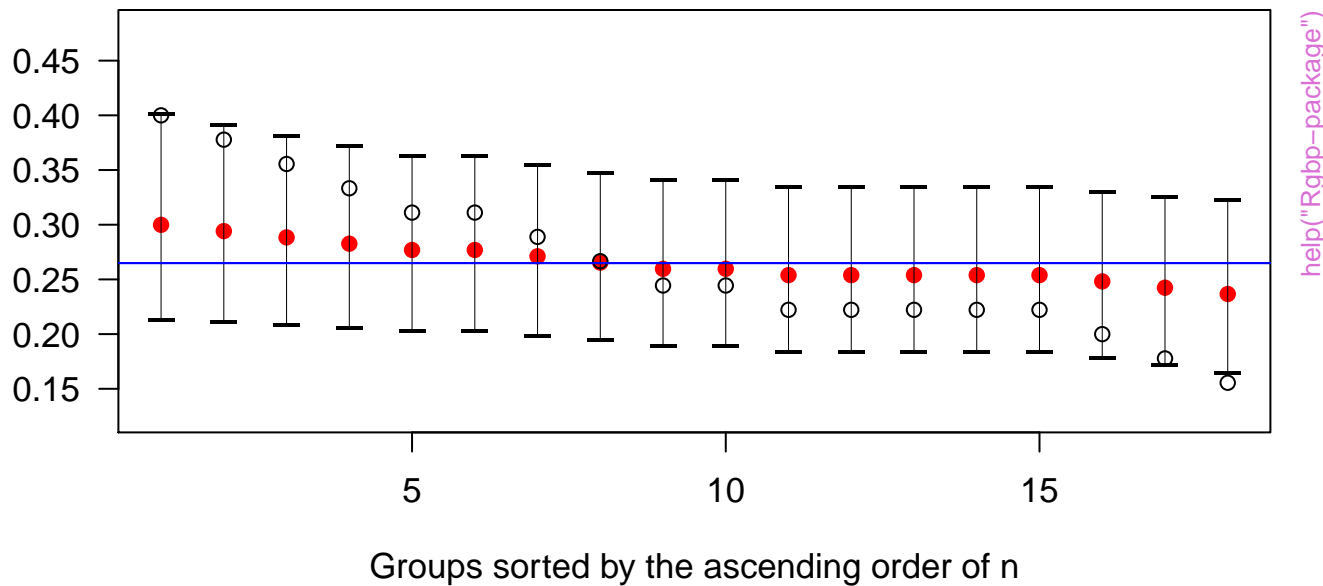


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

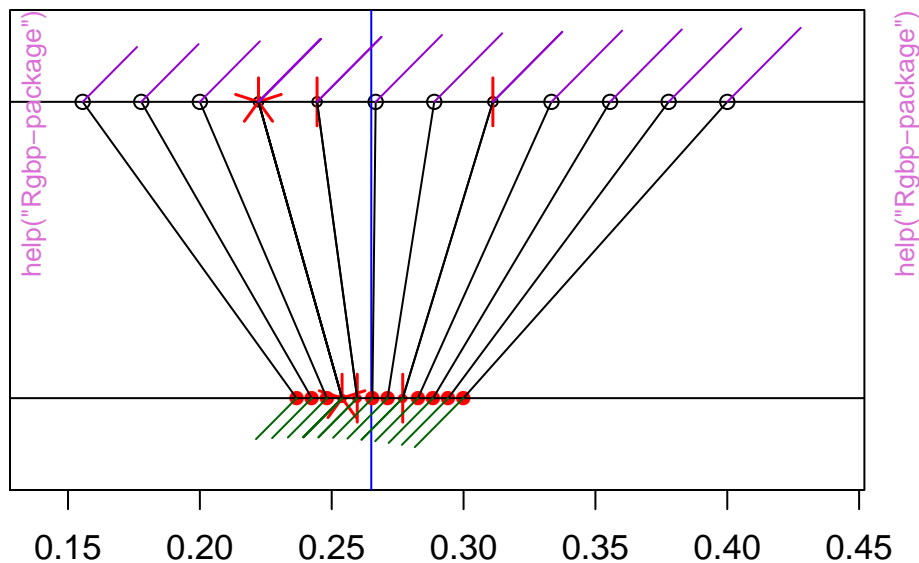


95 % Interval plot

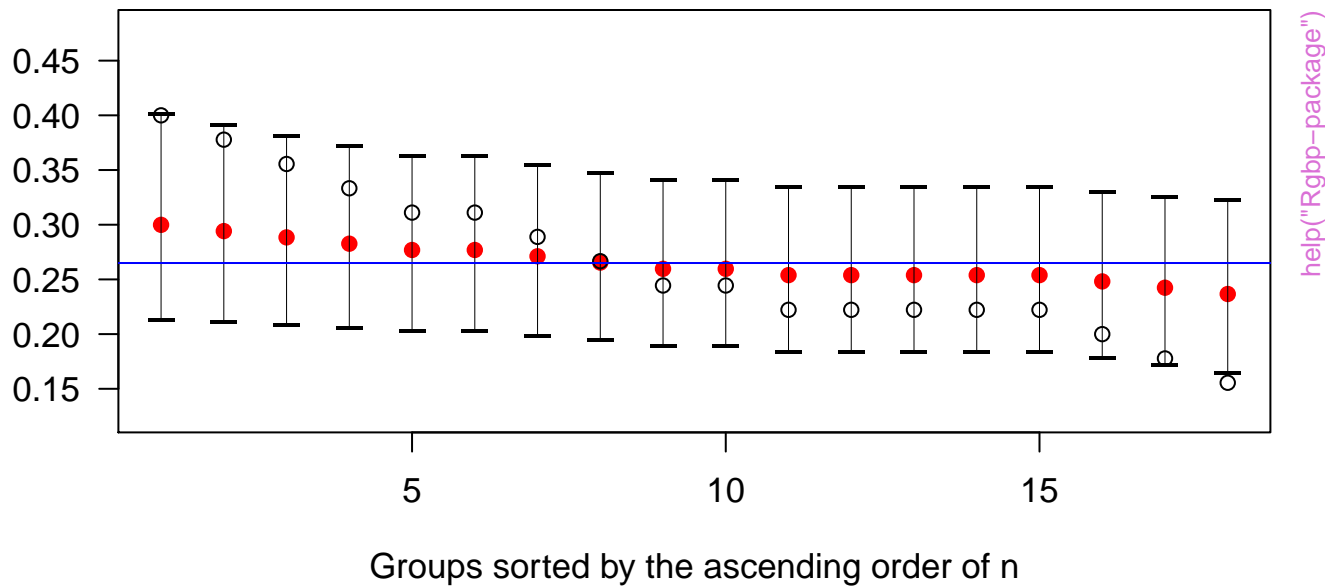


Shrinkage plot

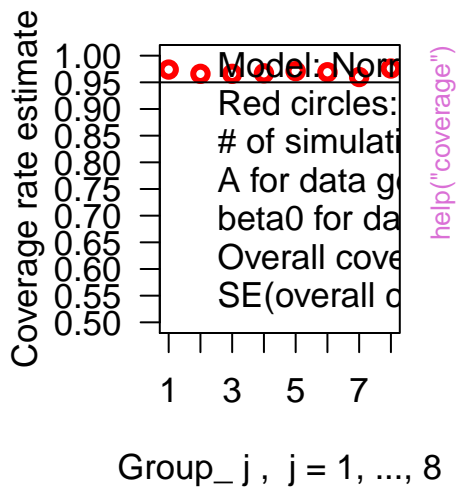
- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover



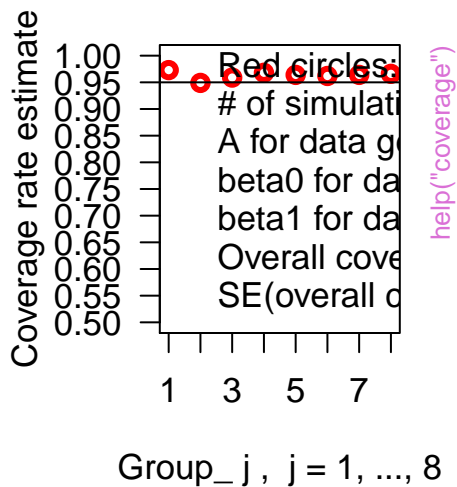
95 % Interval plot



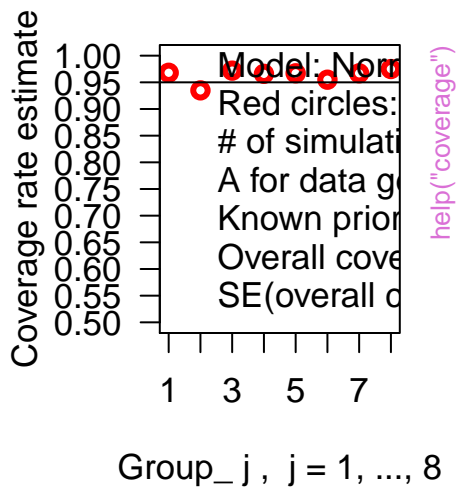
Estimated coverage rate for c



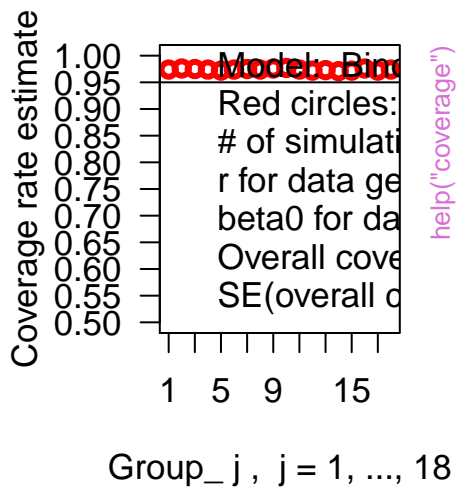
Estimated coverage rate for c



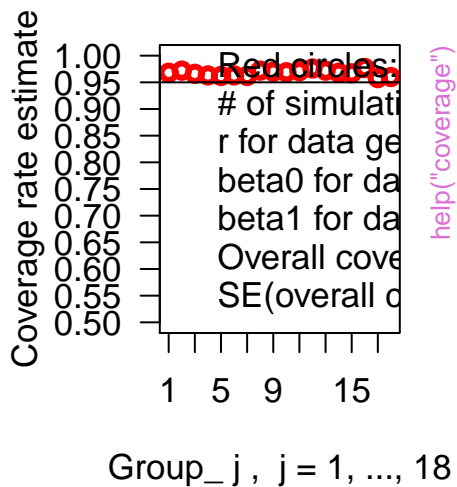
Estimated coverage rate for c



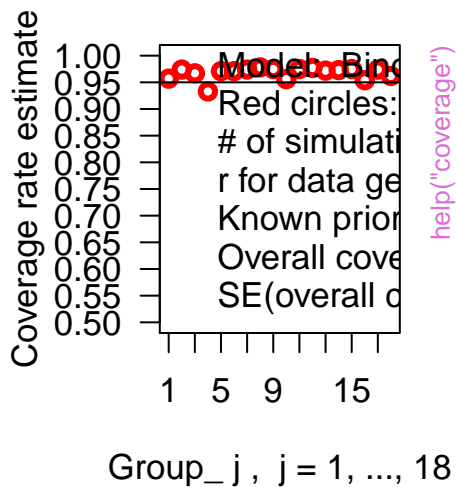
Estimated coverage rate for c



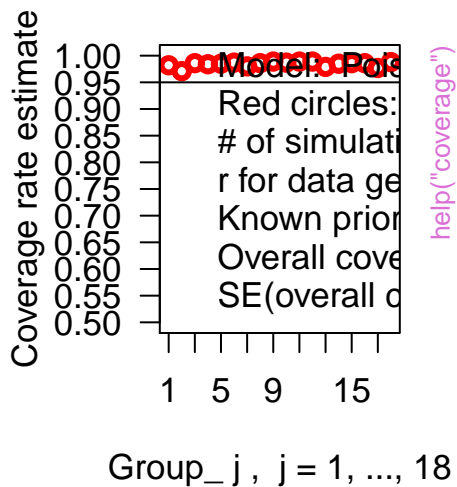
Estimated coverage rate for c



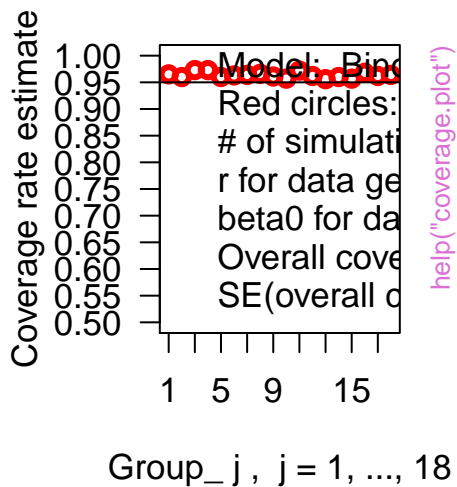
Estimated coverage rate for c



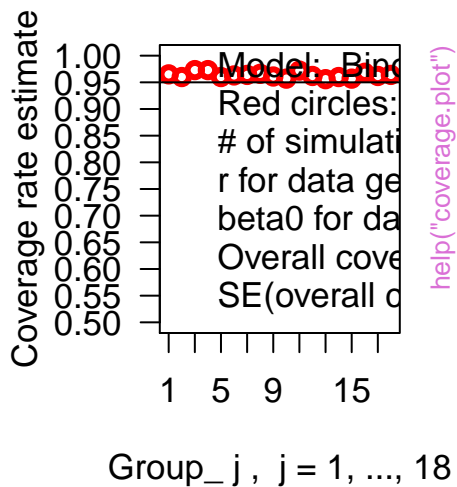
Estimated coverage rate for c



Estimated coverage rate for c

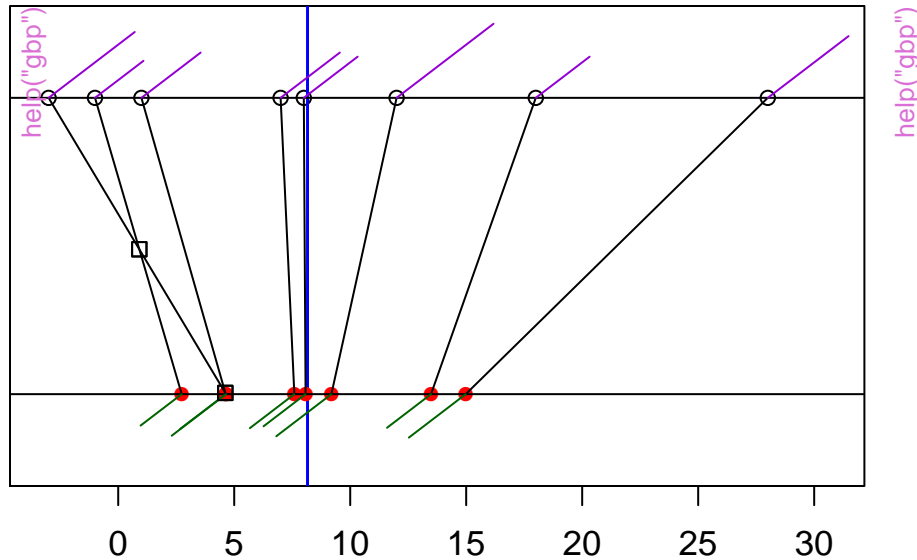


Estimated coverage rate for c

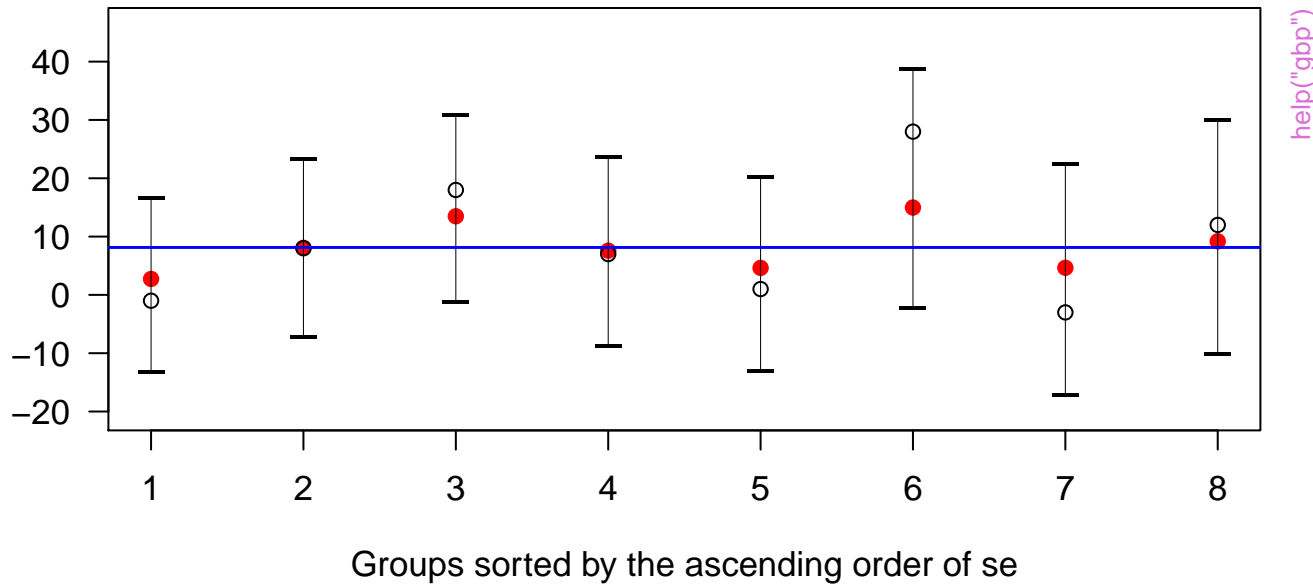


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover

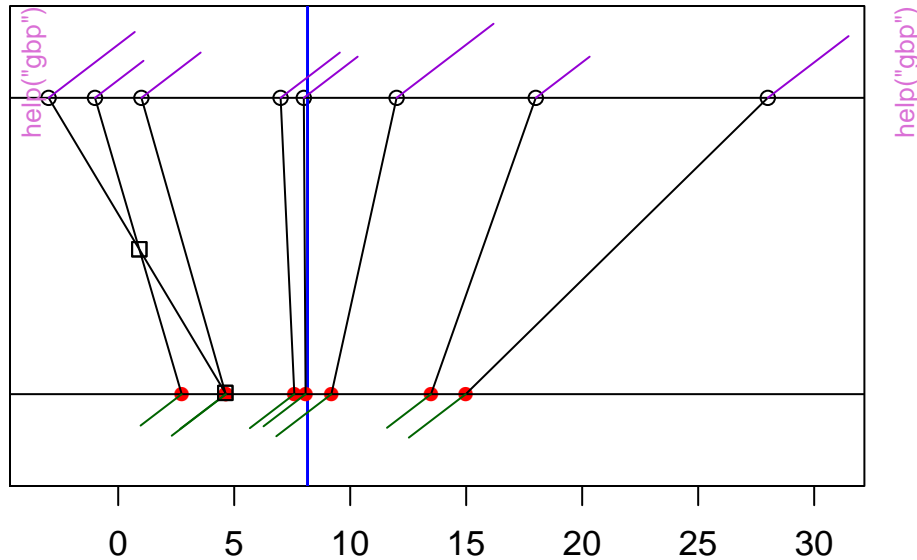


95 % Interval plot

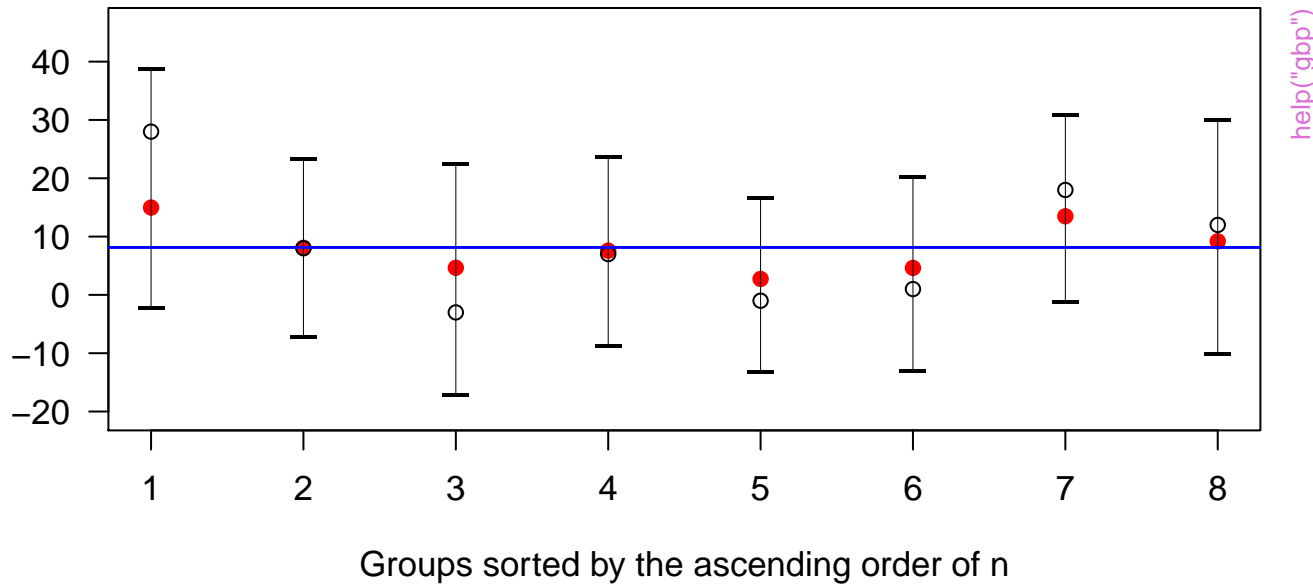


Shrinkage plot

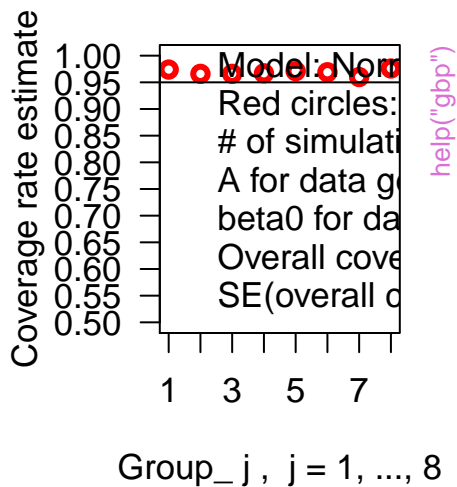
- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



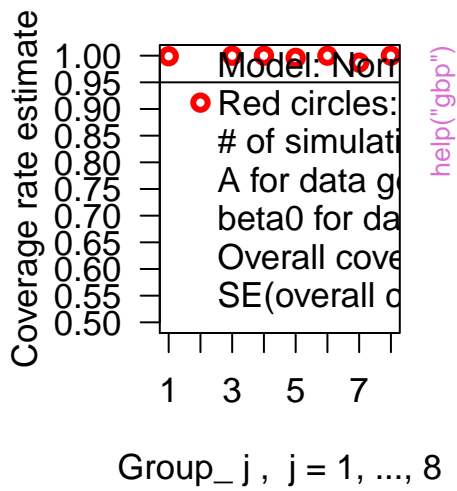
95 % Interval plot



Estimated coverage rate for c

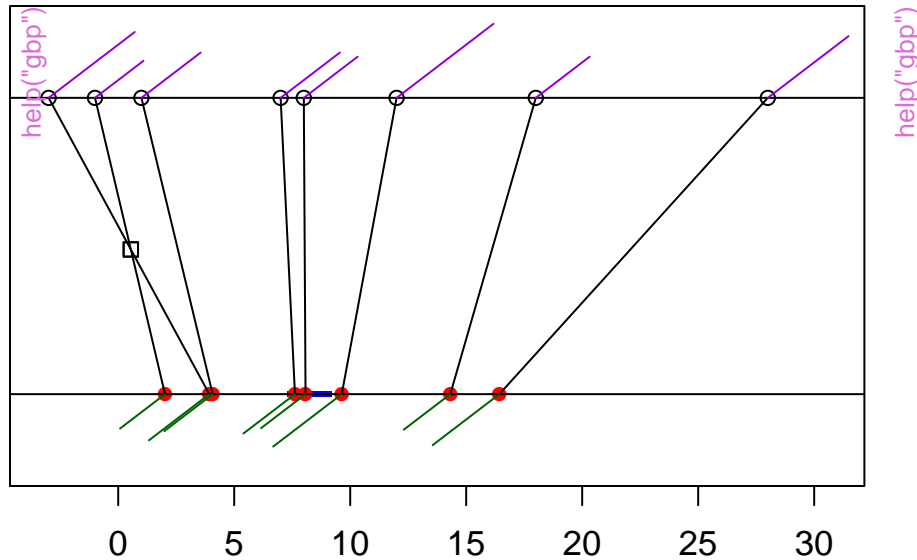


Estimated coverage rate for c

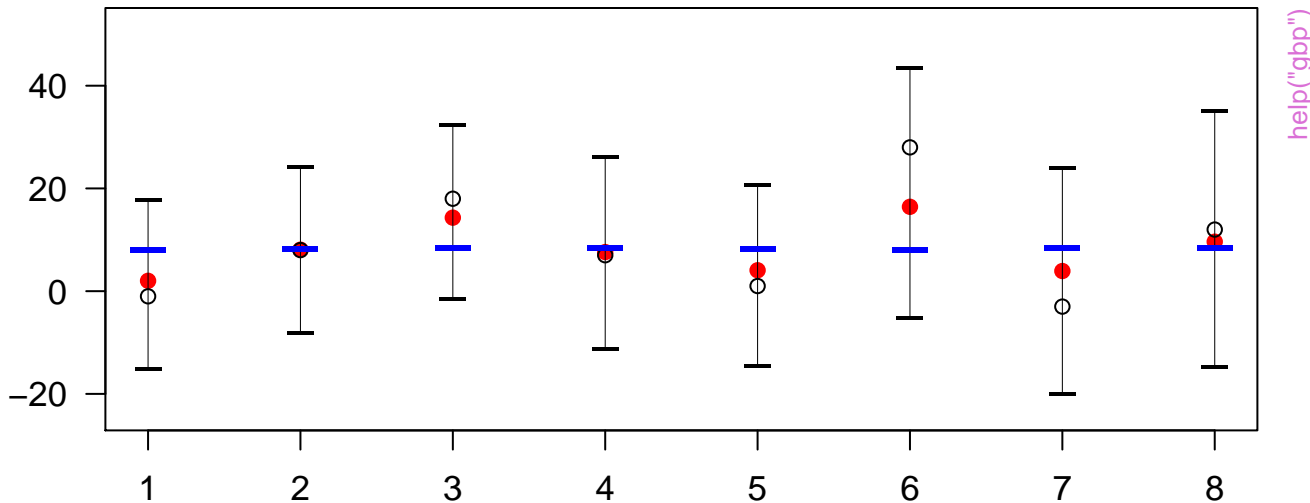


Shrinkage plot

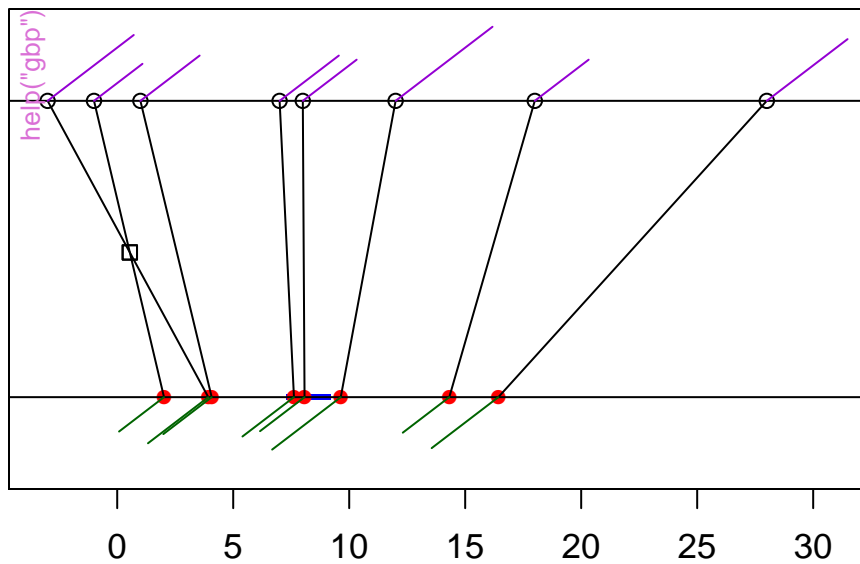
- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



95 % Interval plot



Groups sorted by the ascending order of se



m	Open Circles (σ/σ_{tot})	Red Filled Circles (σ/σ_{tot})	Blue Filled Circles (σ/σ_{tot})
1	0.85	0.65	0.50
2	0.50	0.50	0.50
3	0.40	0.55	0.50
4	0.50	0.50	0.50
5	0.45	0.50	0.50
6	0.45	0.50	0.50
7	0.65	0.60	0.50
8	0.55	0.50	0.50

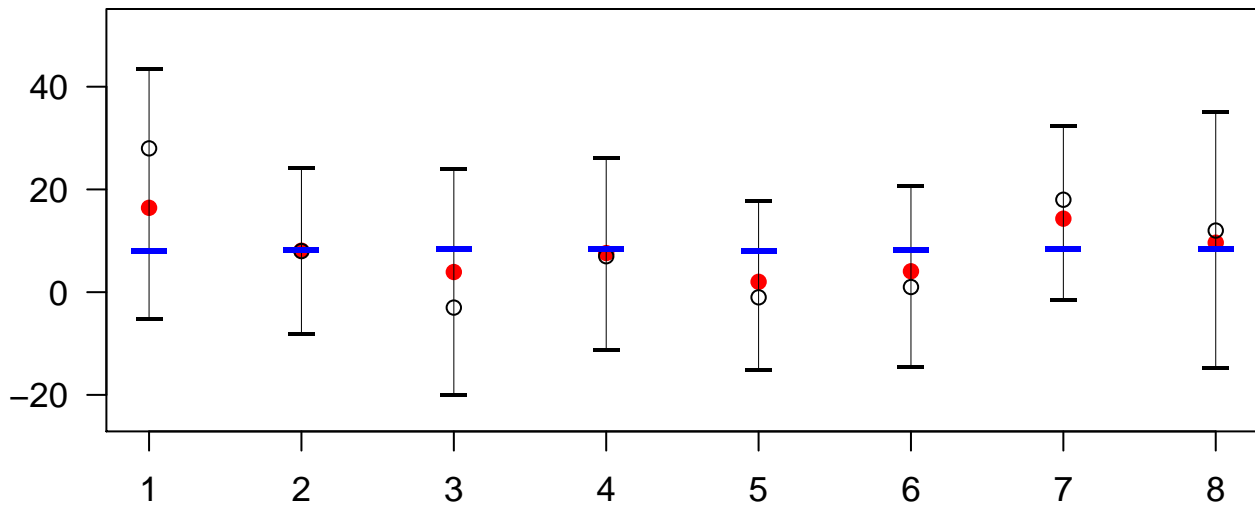
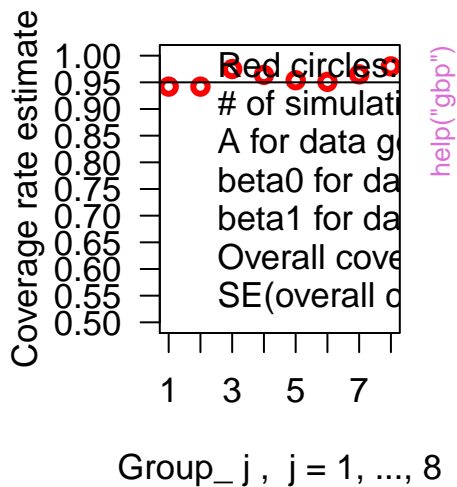


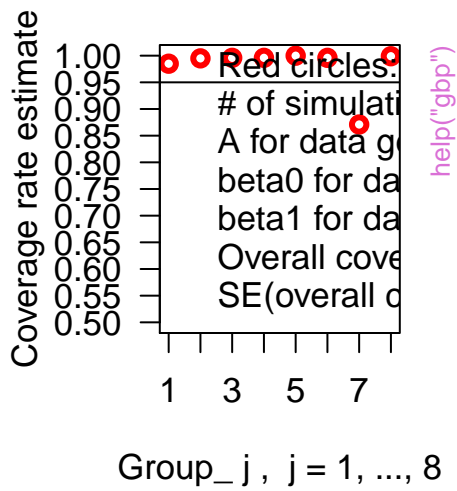
Figure 1 is a plot showing the dependence of the ratio of the cross section to the total cross section, $\sigma_{\pi^0\pi^0}/\sigma_{tot}$, on the invariant mass of the pions, $m_{\pi\pi}$. The x-axis represents $m_{\pi\pi}$ in GeV, ranging from 1 to 8. The y-axis represents the ratio $\sigma_{\pi^0\pi^0}/\sigma_{tot}$, ranging from 0 to 1. Data points are shown for three different experiments: BES (red filled circles), Belle (black open circles), and a theoretical prediction (blue horizontal line). Error bars are included for all data points.

$m_{\pi\pi}$ (GeV)	BES ($\sigma_{\pi^0\pi^0}/\sigma_{tot}$)	Belle ($\sigma_{\pi^0\pi^0}/\sigma_{tot}$)	Theoretical Prediction
1	~0.65	~0.85	~0.55
2	~0.55	~0.55	~0.55
3	~0.50	~0.45	~0.55
4	~0.55	~0.55	~0.55
5	~0.50	~0.45	~0.55
6	~0.55	~0.50	~0.55
7	~0.65	~0.75	~0.55
8	~0.55	~0.65	~0.55

Estimated coverage rate for c

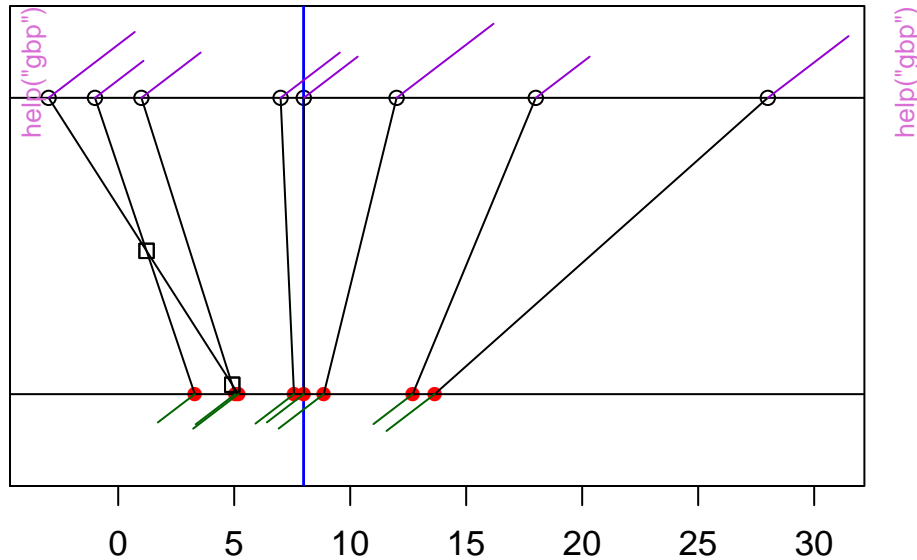


Estimated coverage rate for c

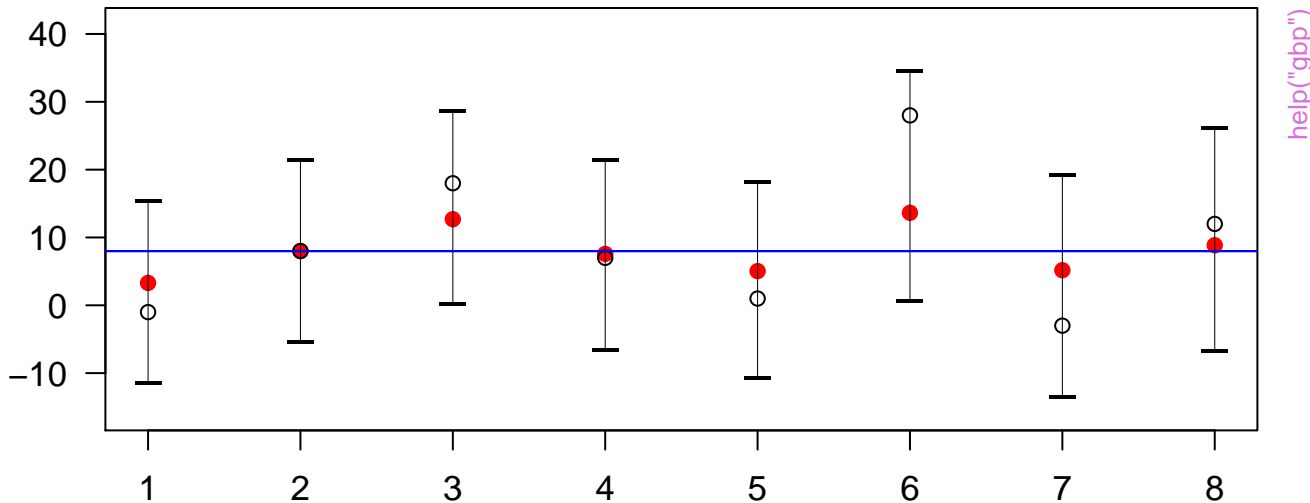


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



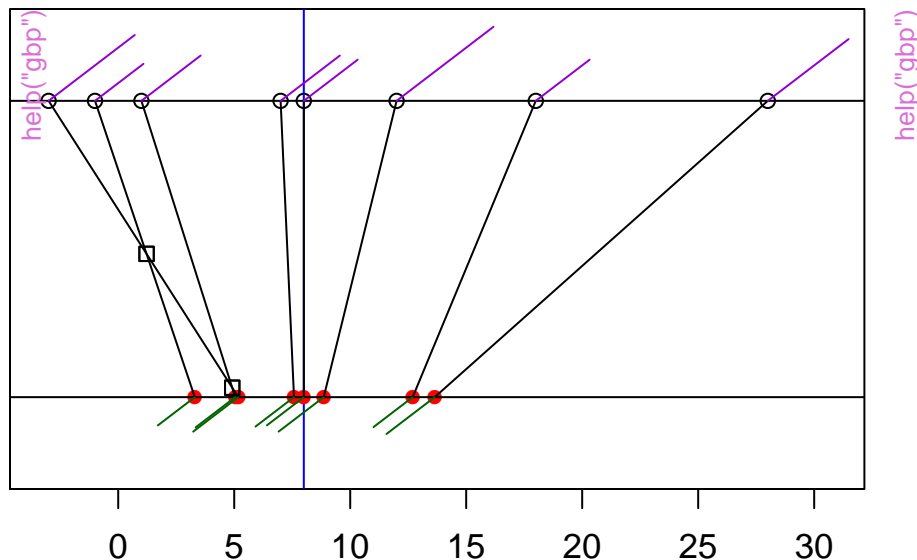
95 % Interval plot



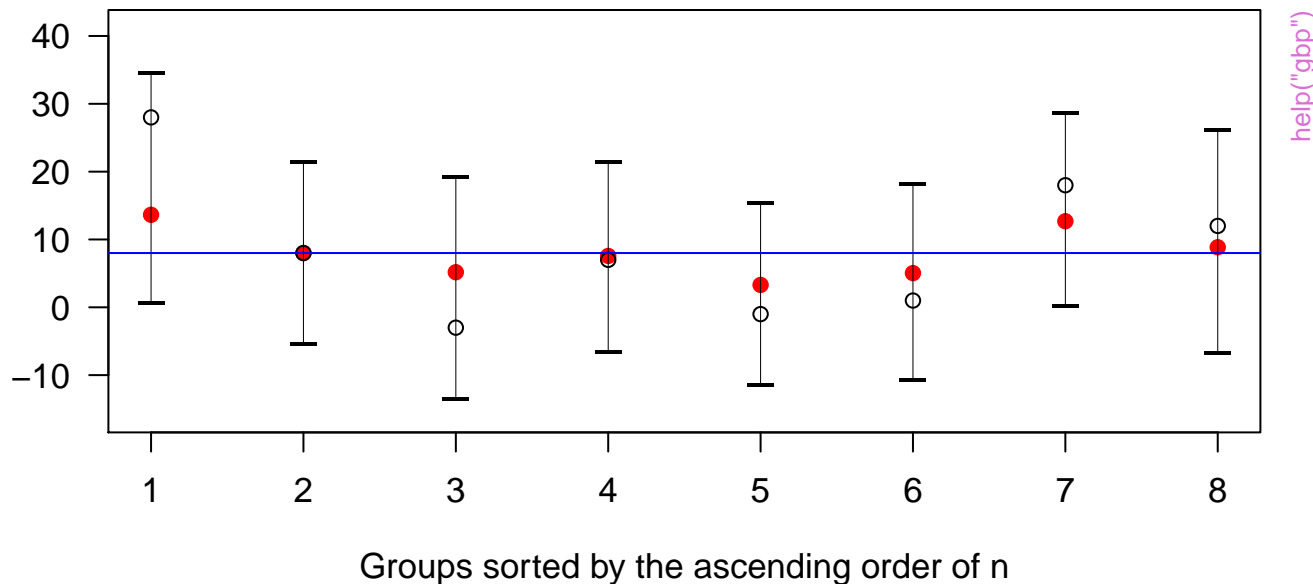
Groups sorted by the ascending order of se

Shrinkage plot

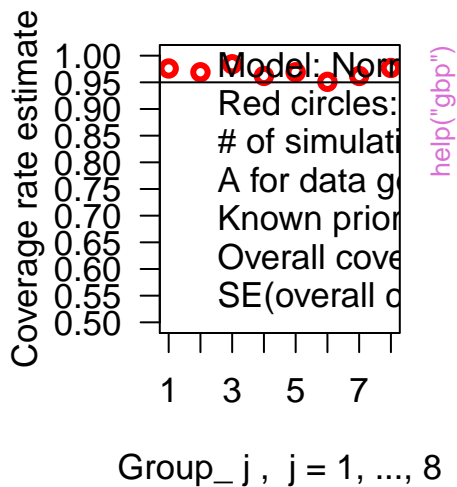
- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



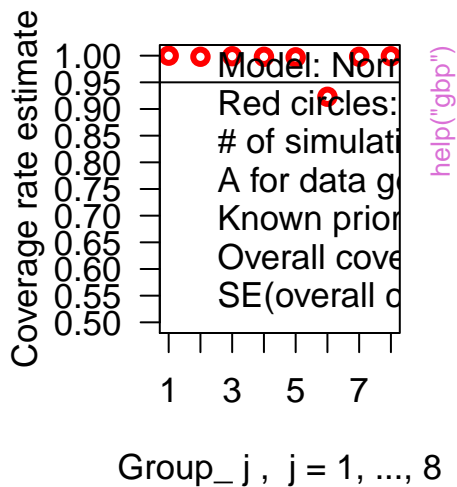
95 % Interval plot



Estimated coverage rate for c

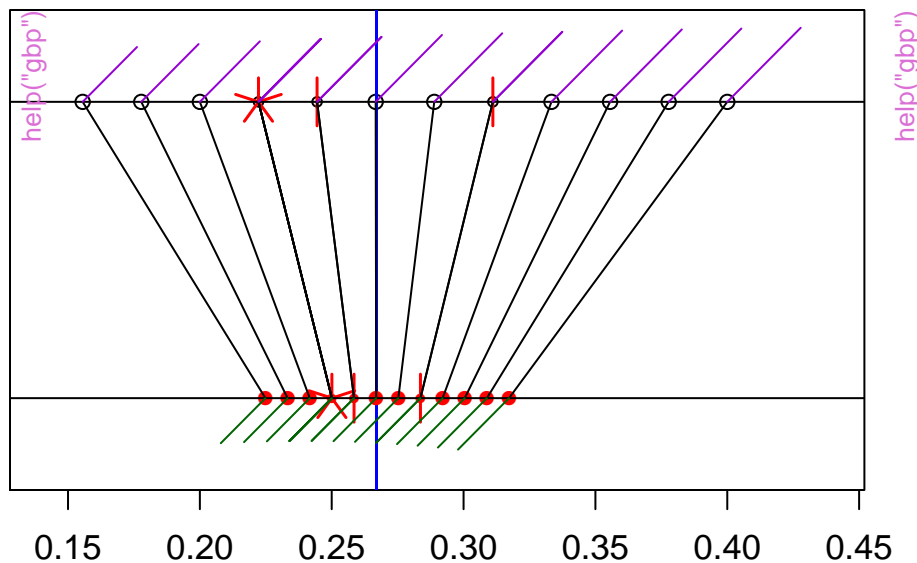


Estimated coverage rate for c

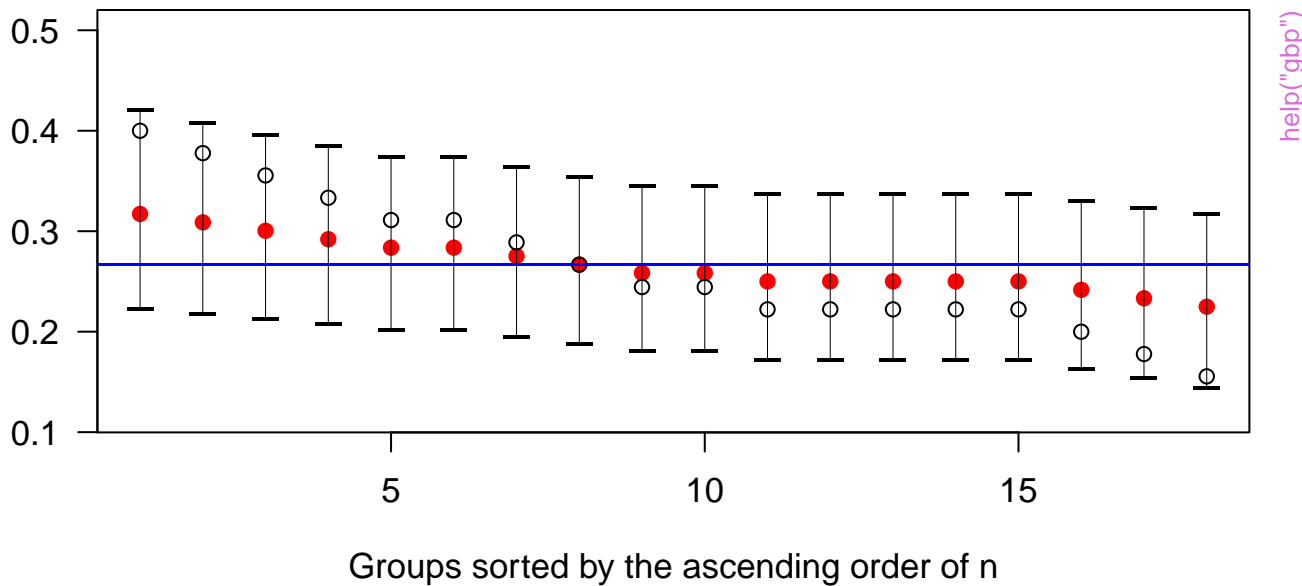


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

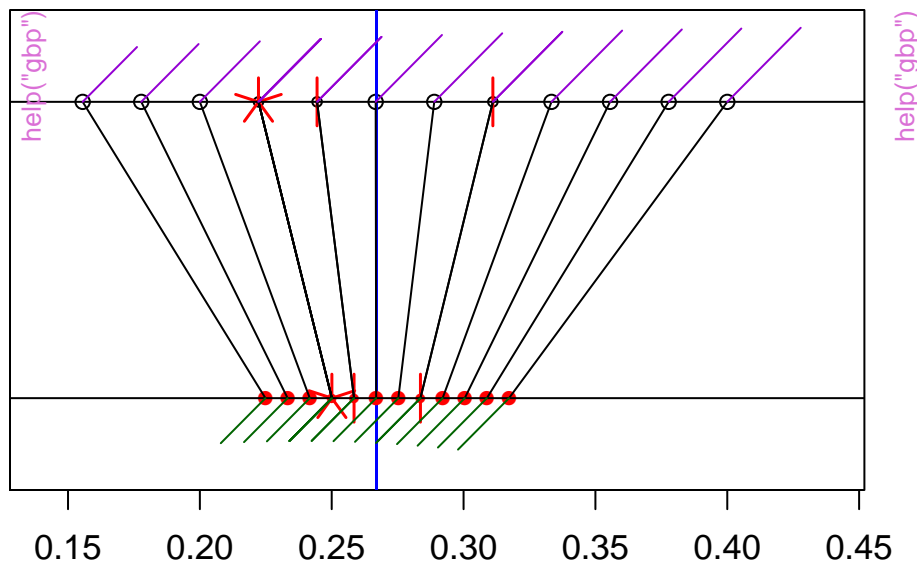


95 % Interval plot

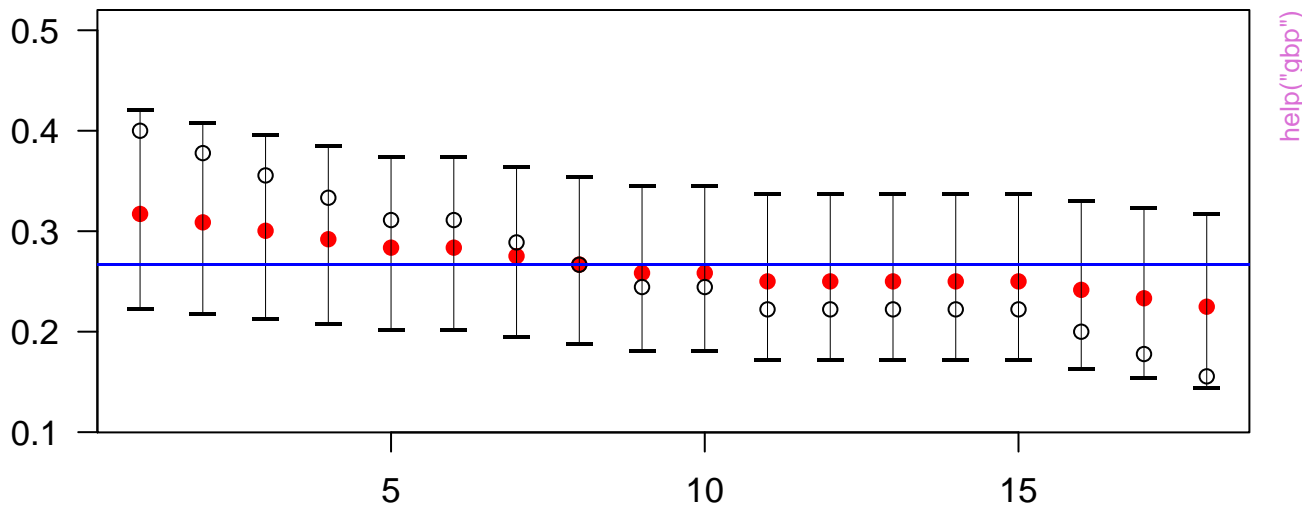


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

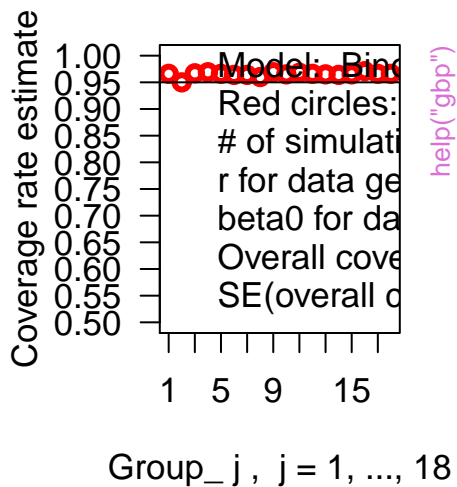


95 % Interval plot

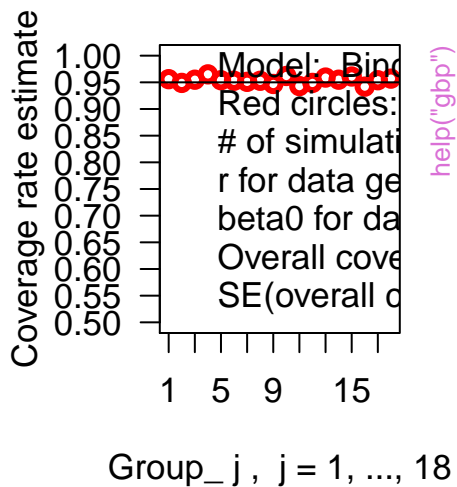


Groups sorted by the ascending order of n

Estimated coverage rate for c

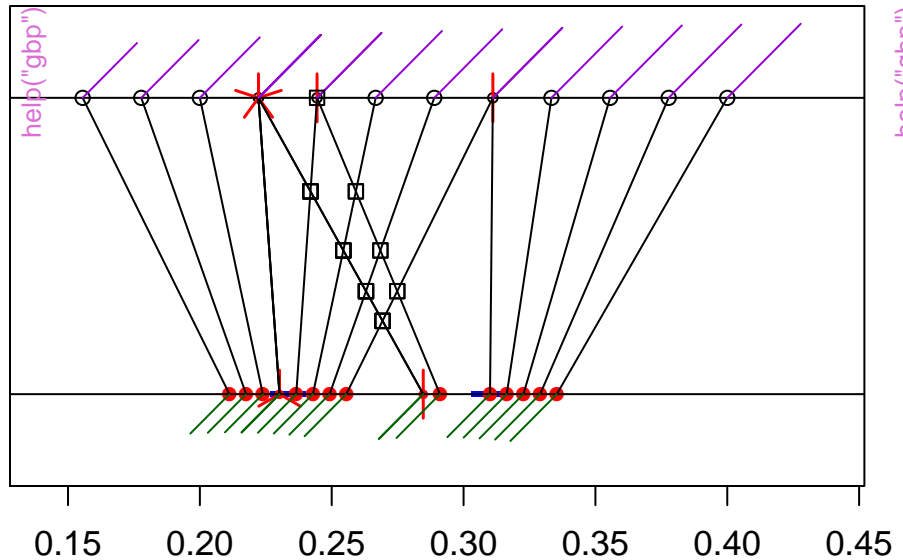


Estimated coverage rate for c

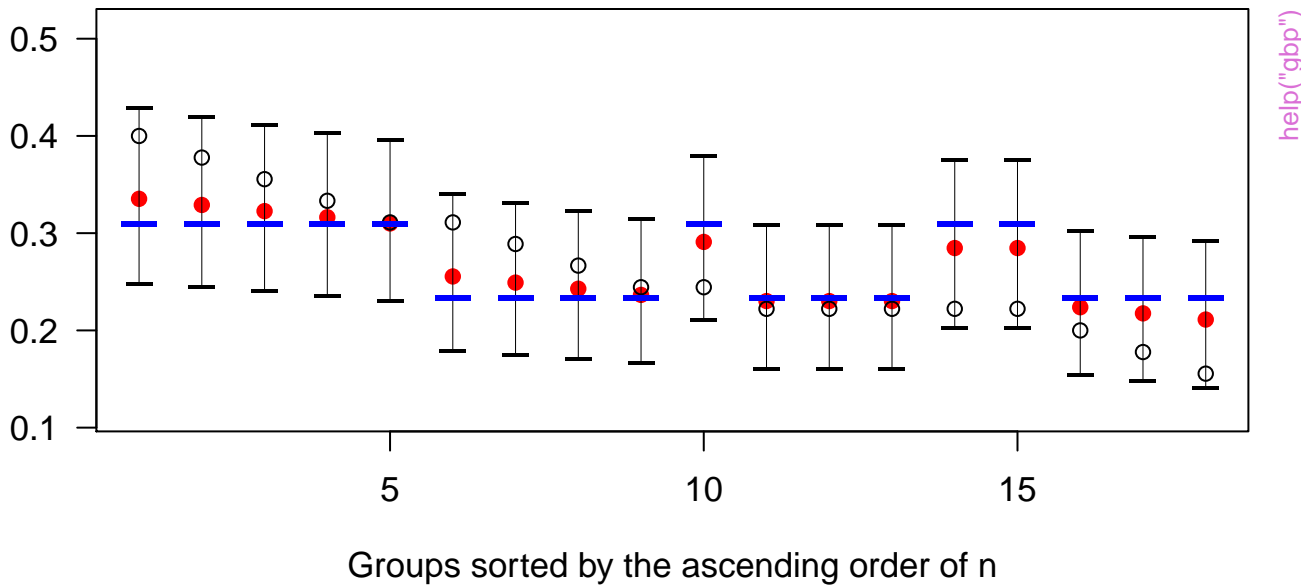


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

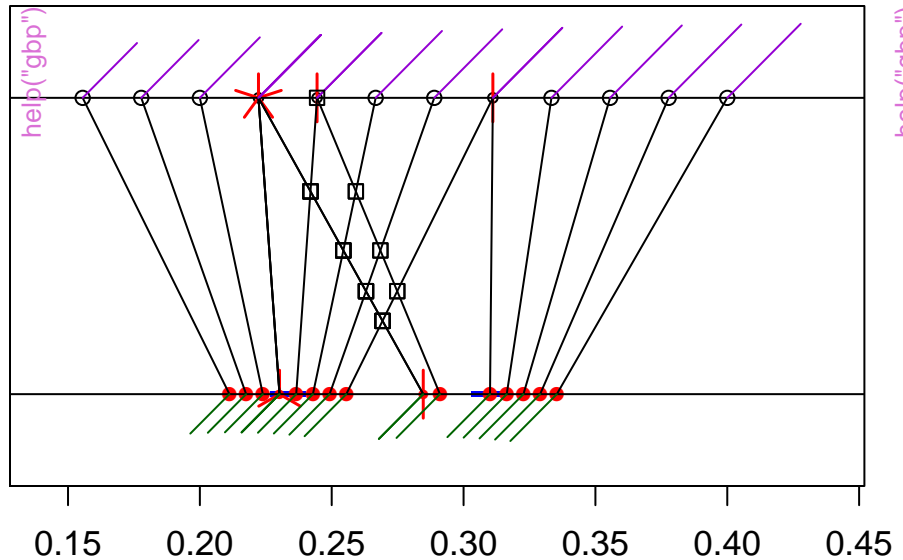


95 % Interval plot

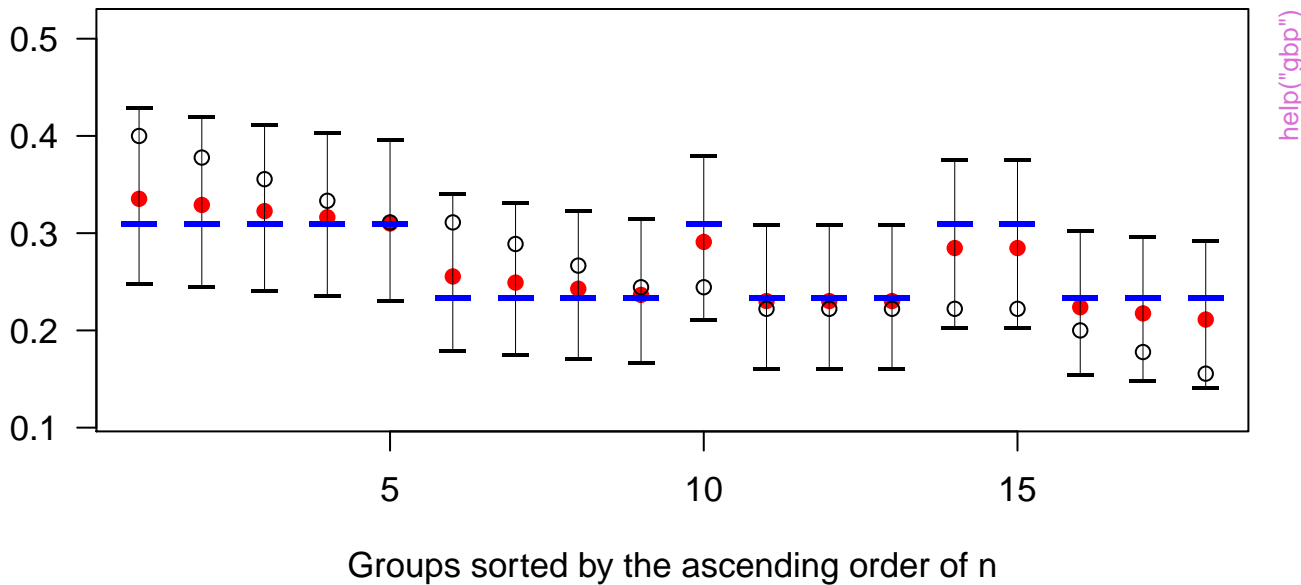


Shrinkage plot

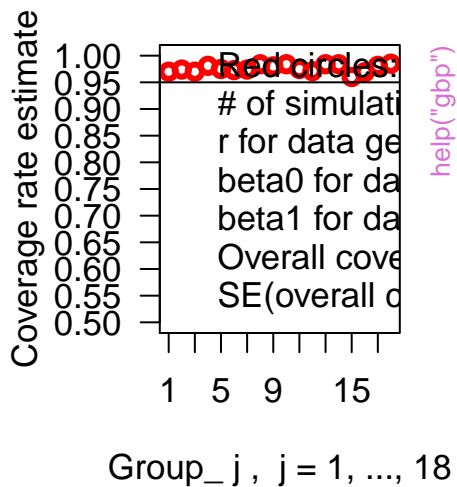
- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover



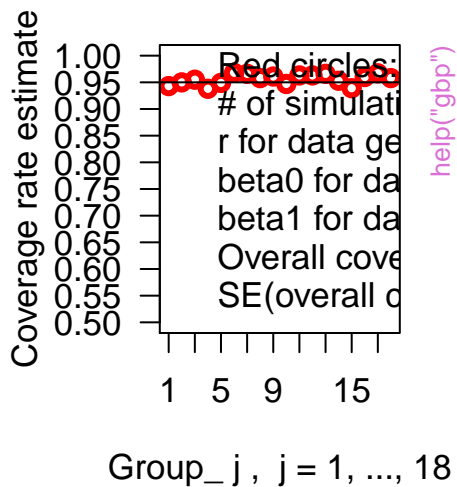
95 % Interval plot



Estimated coverage rate for c

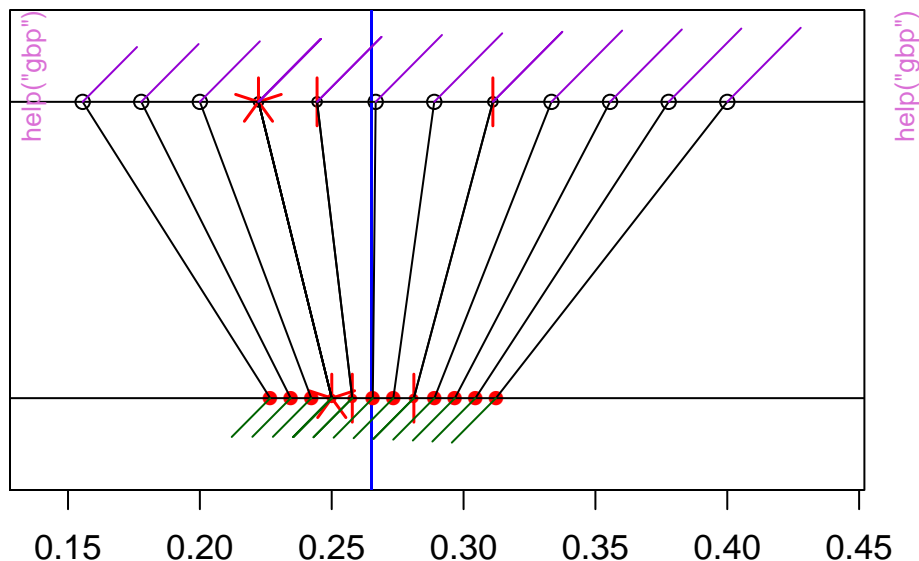


Estimated coverage rate for c

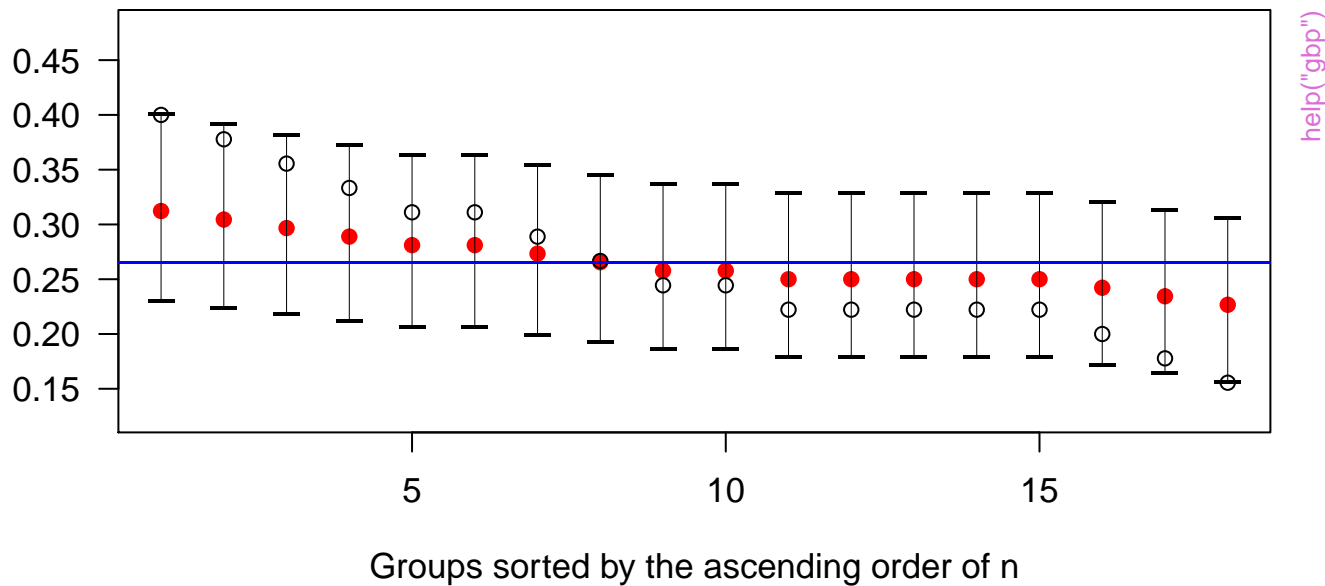


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

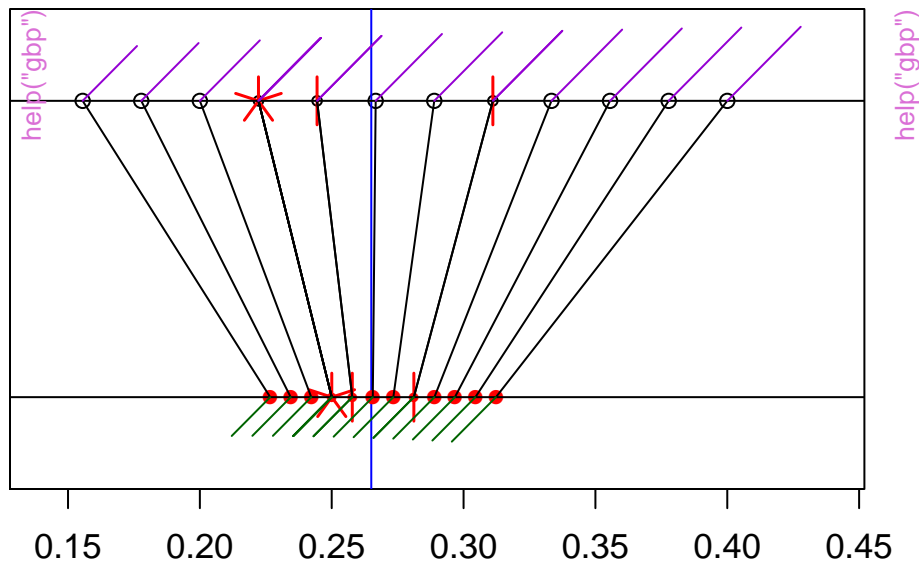


95 % Interval plot

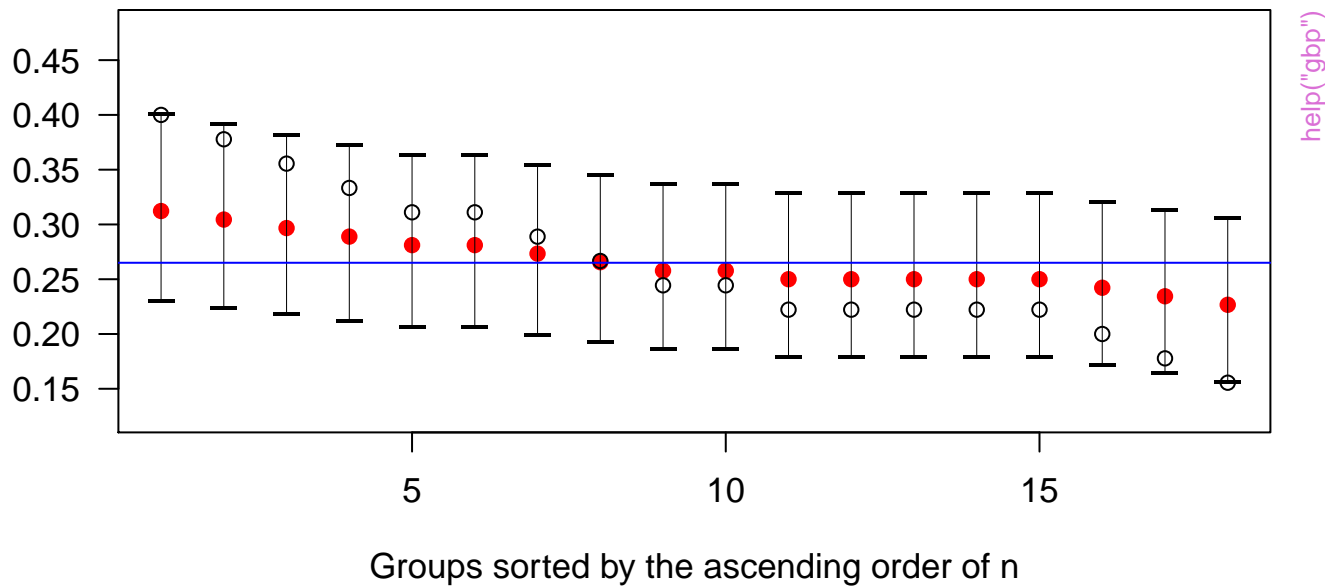


Shrinkage plot

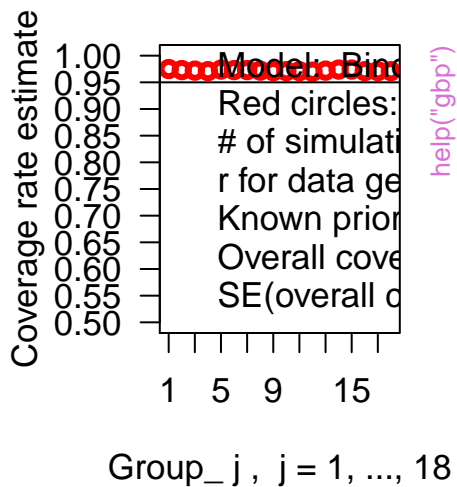
- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover



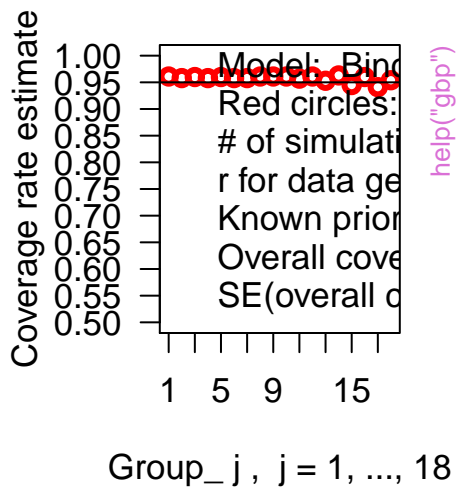
95 % Interval plot



Estimated coverage rate for c

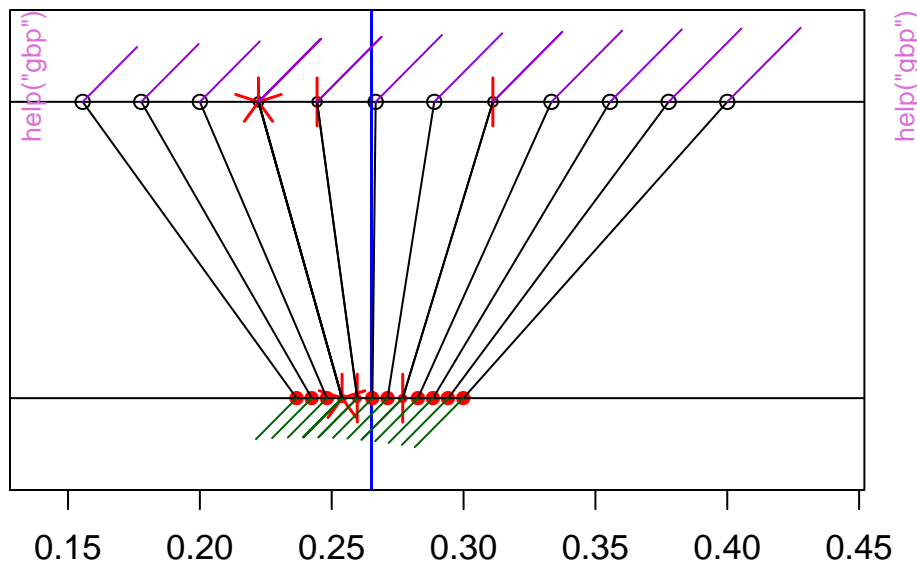


Estimated coverage rate for c

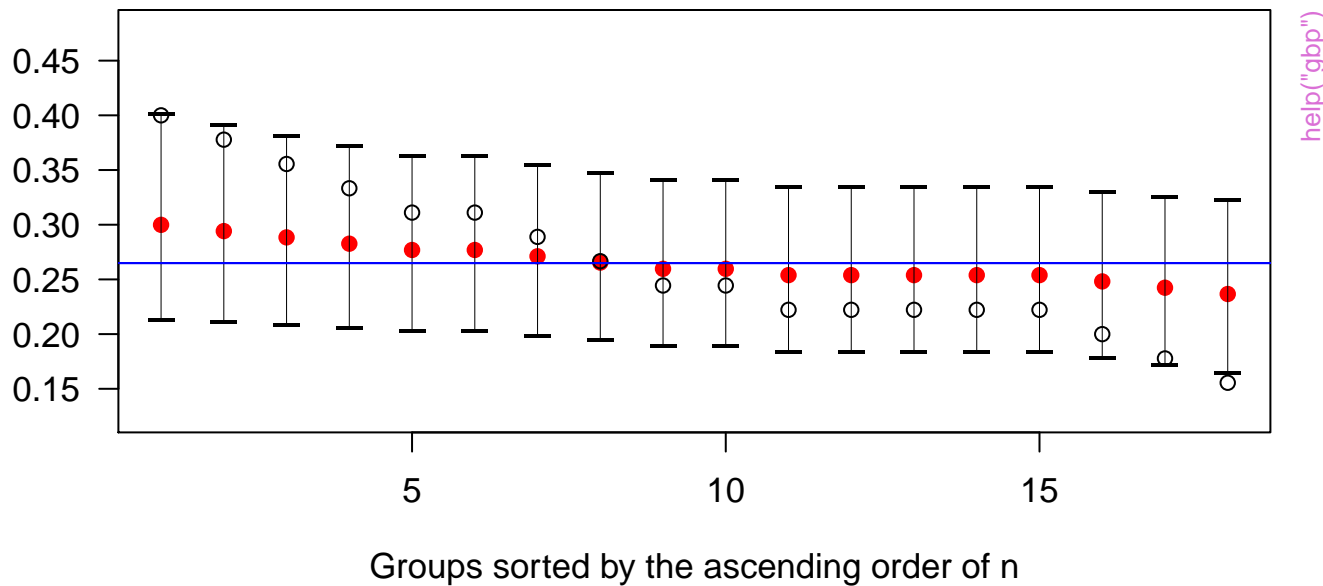


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

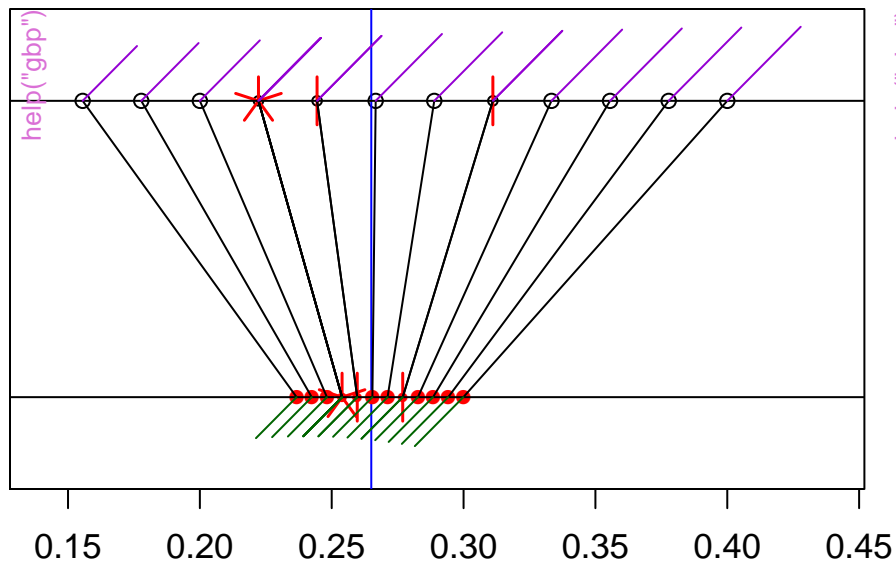


95 % Interval plot

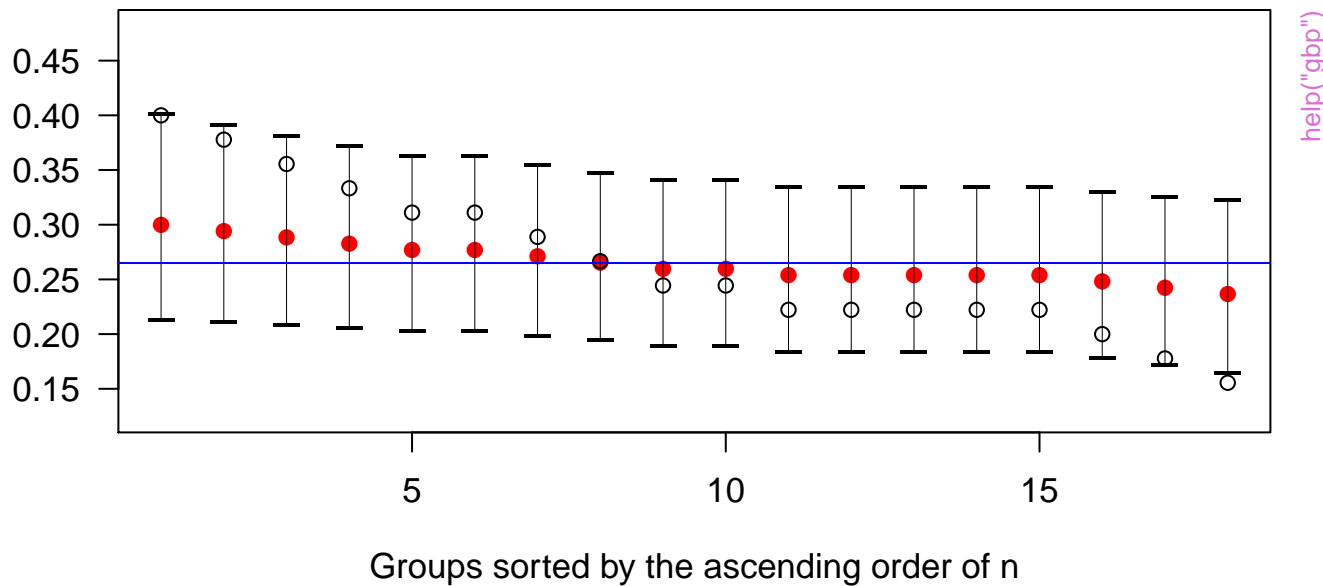


Shrinkage plot

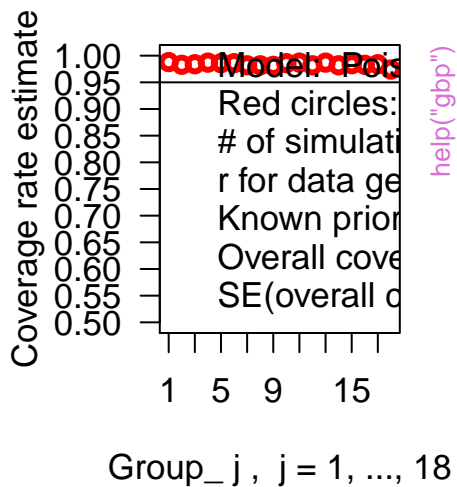
- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover



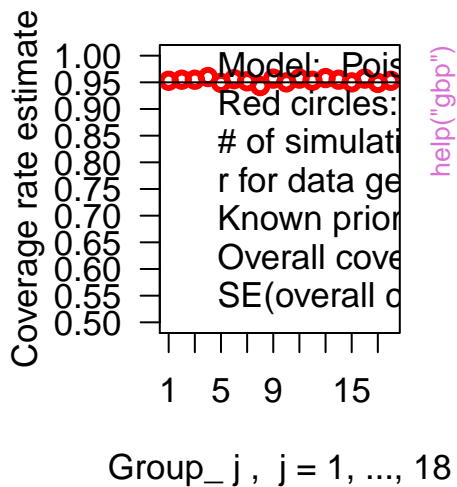
95 % Interval plot



Estimated coverage rate for c

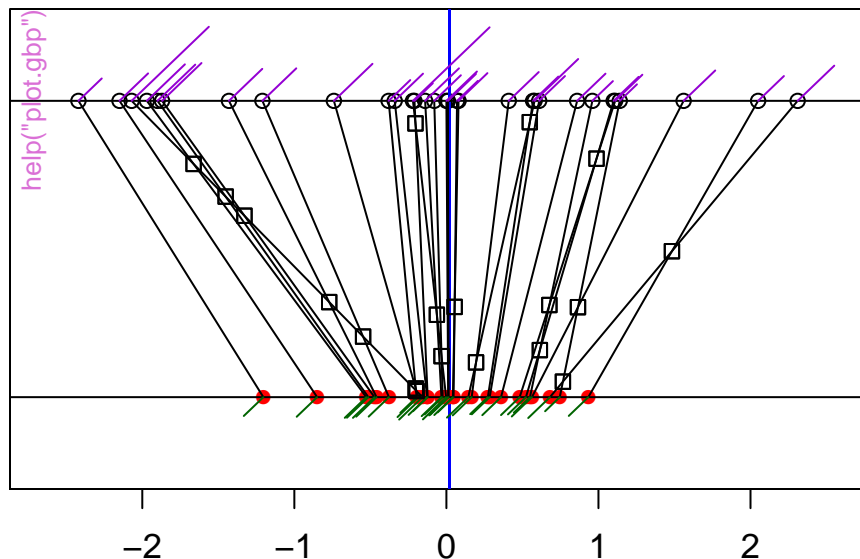


Estimated coverage rate for c

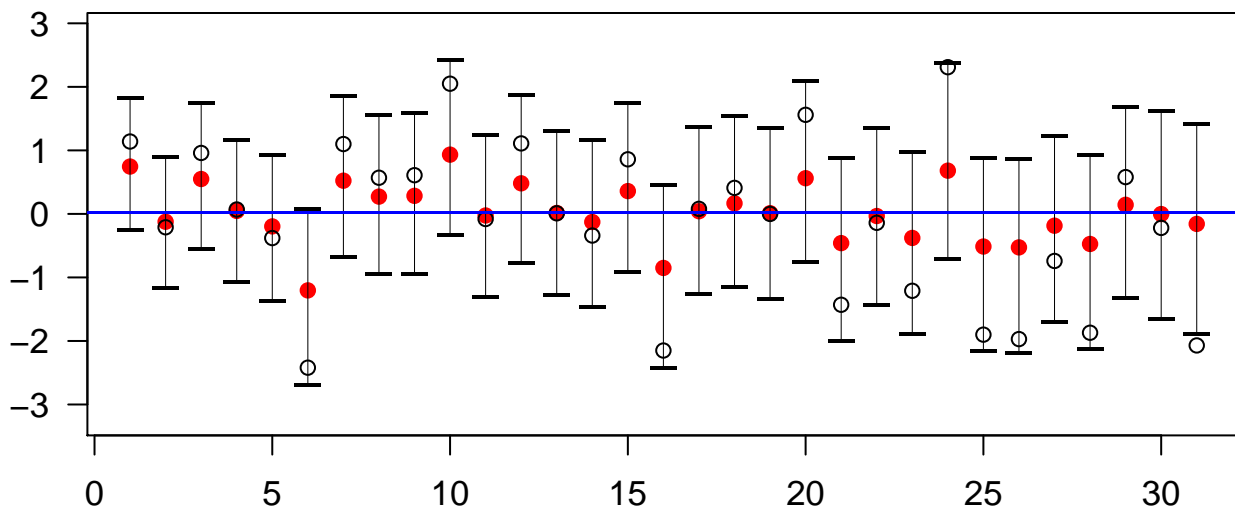


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



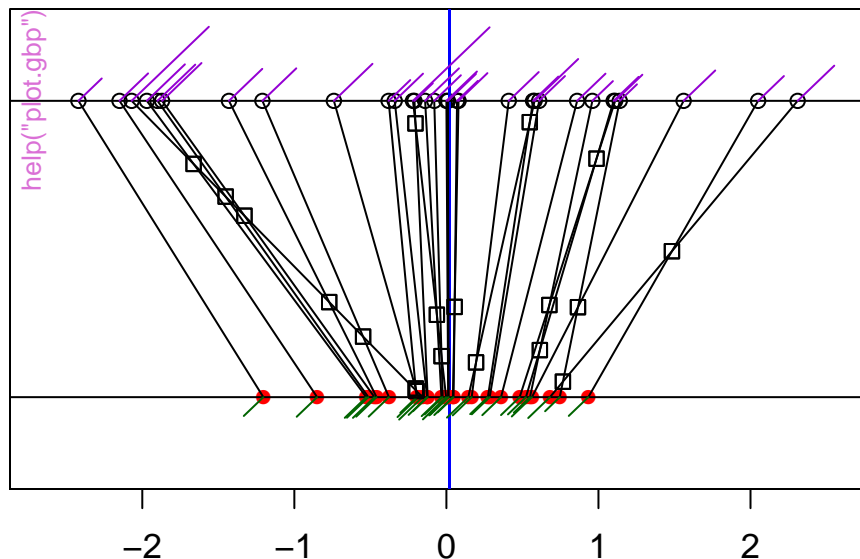
95 % Interval plot



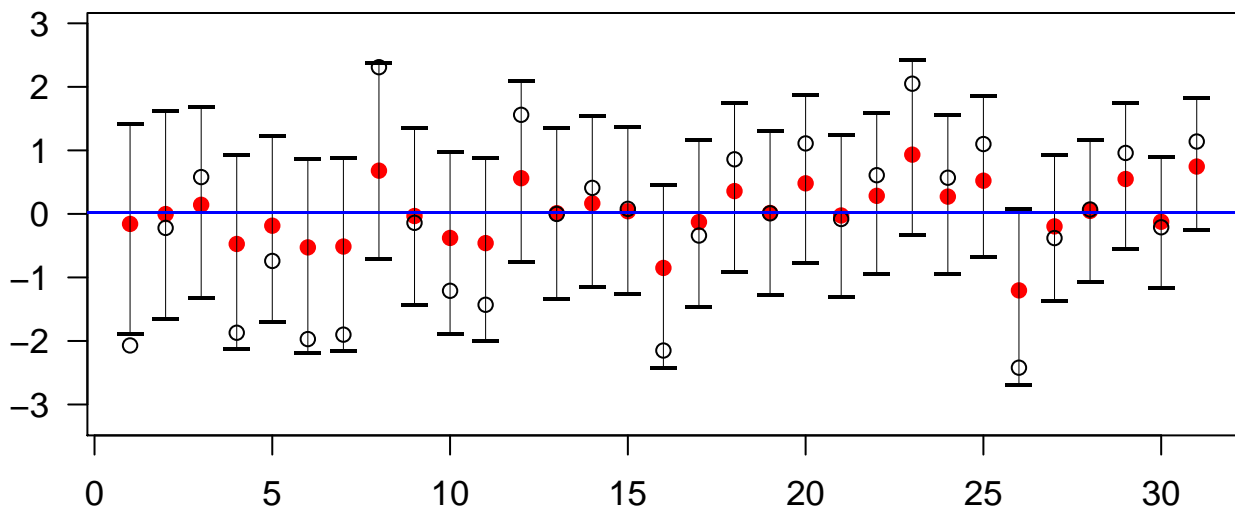
Groups sorted by the ascending order of se

Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Standard error
- Posterior sd
- Crossover



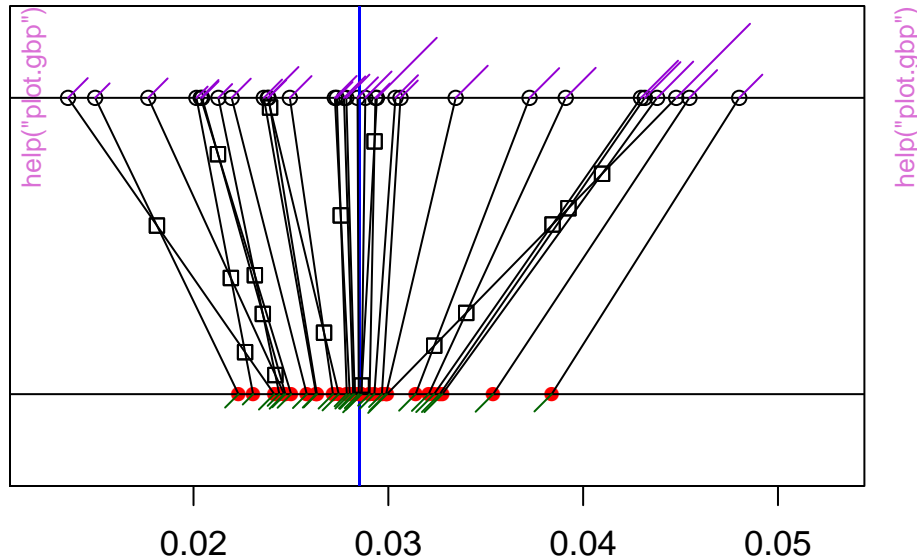
95 % Interval plot



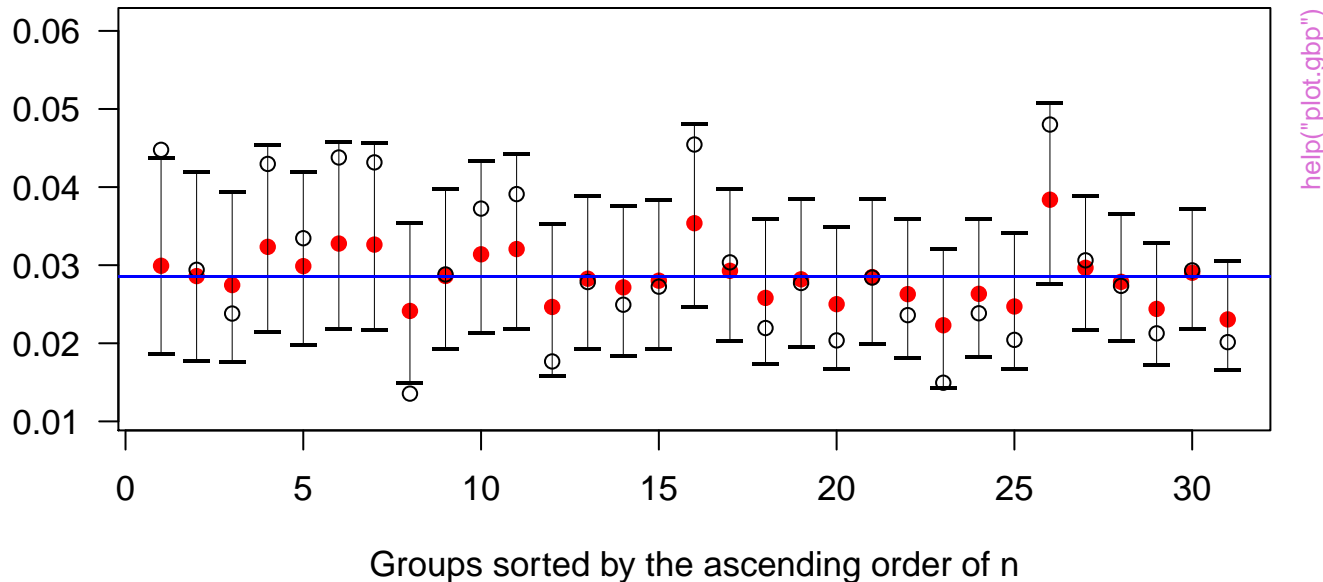
Groups sorted by the ascending order of n

Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

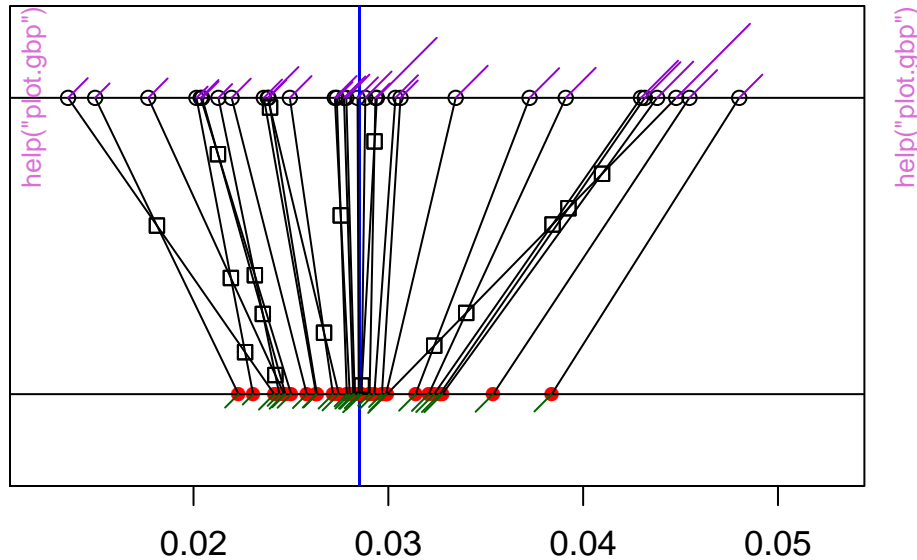


95 % Interval plot

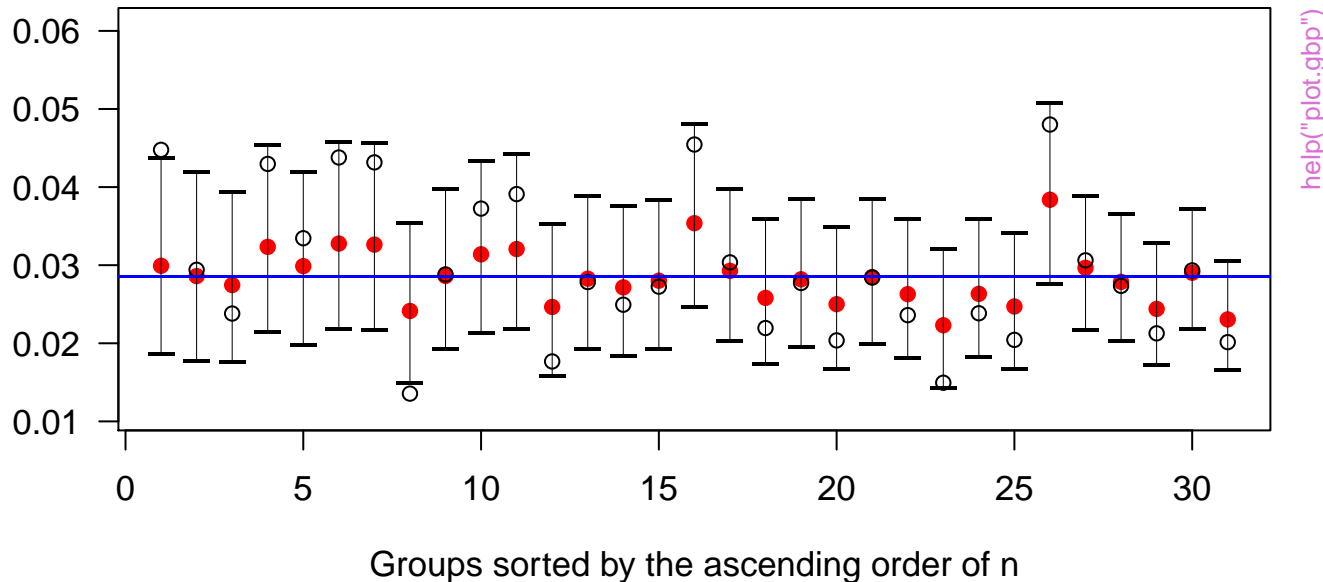


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

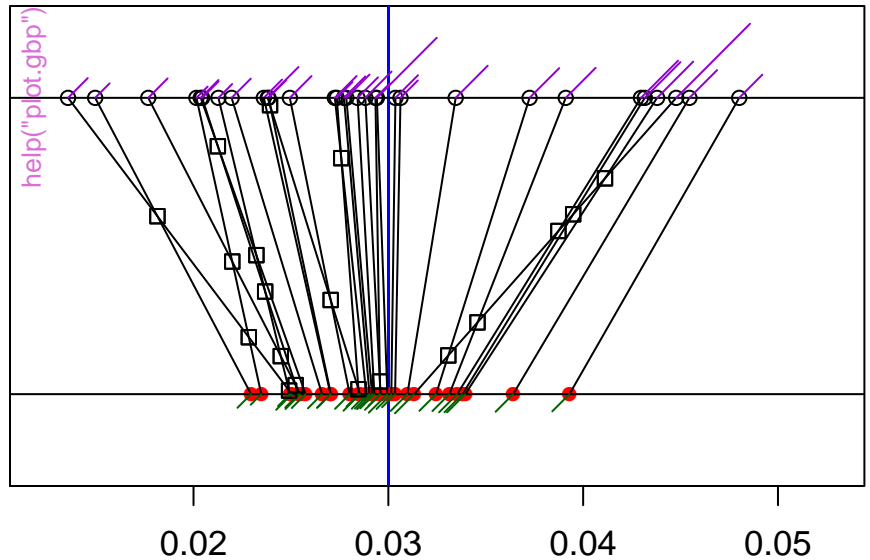


95 % Interval plot

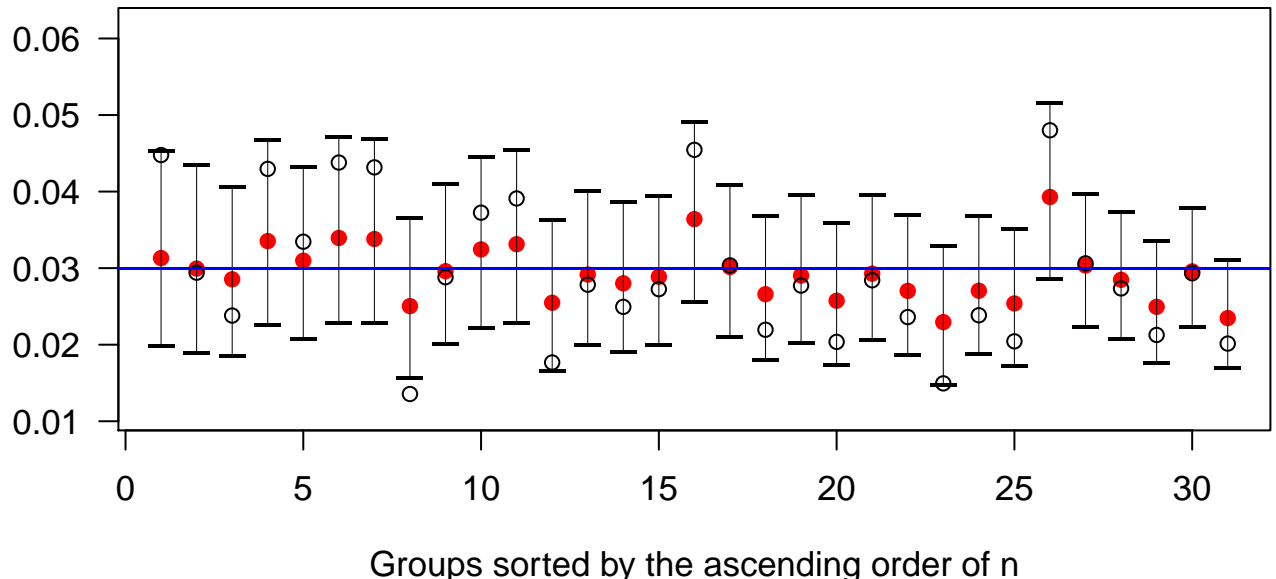


Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover

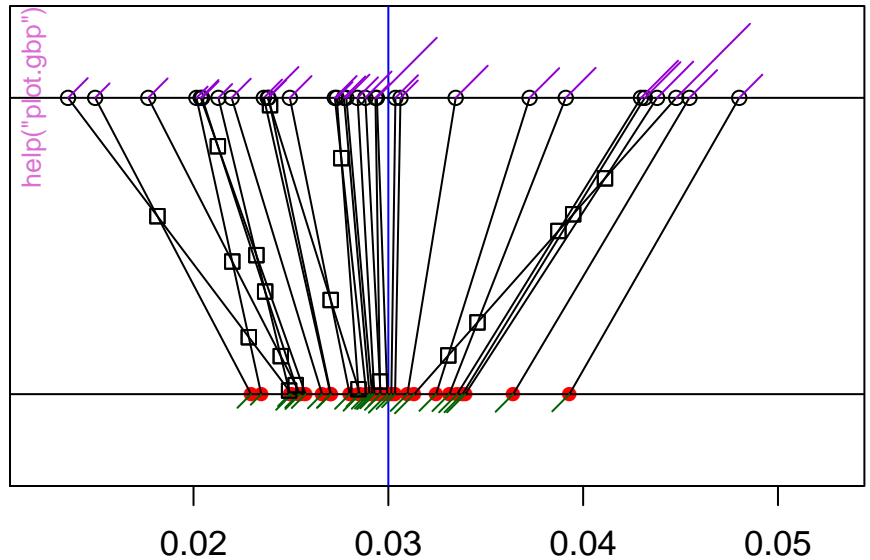


95 % Interval plot



Shrinkage plot

- Posterior mean
- Sample mean
- Prior mean
- Group size (n)
- Posterior sd
- Crossover



95 % Interval plot

