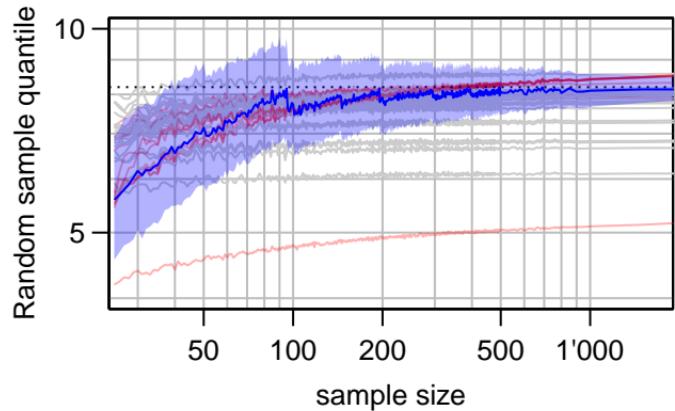
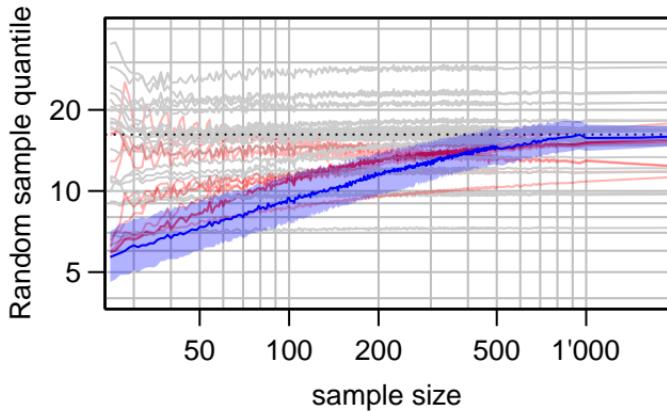


## quantileMean

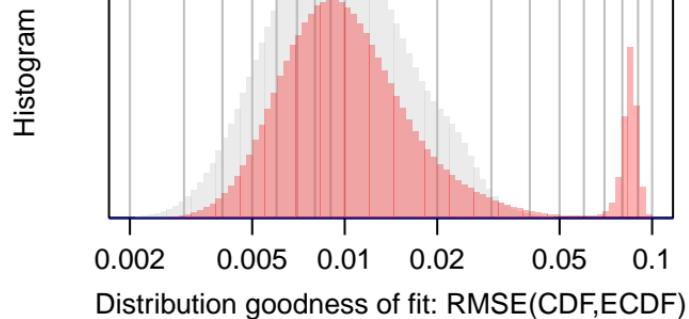
0.3      bias 99%



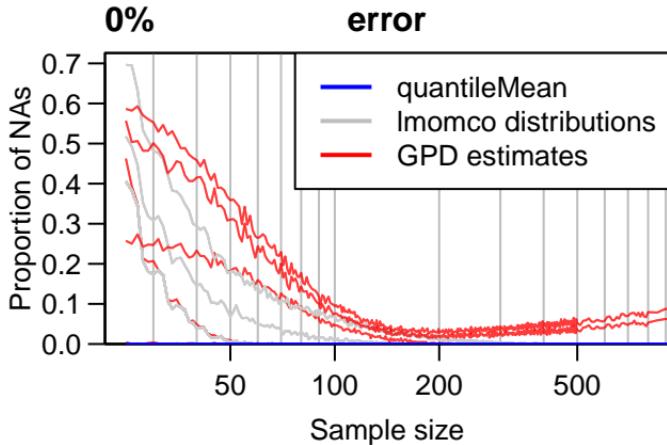
bias 99.9%



gof



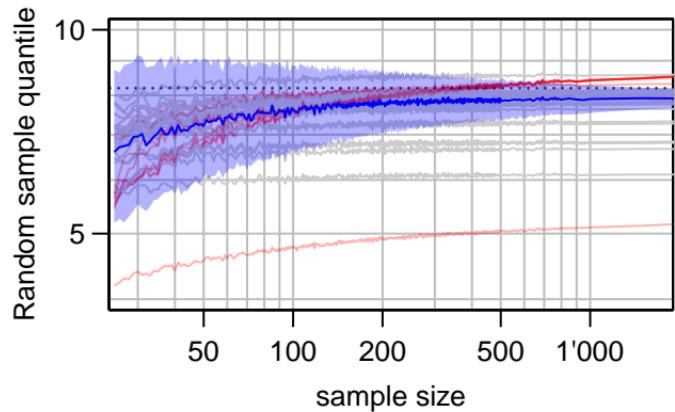
0%



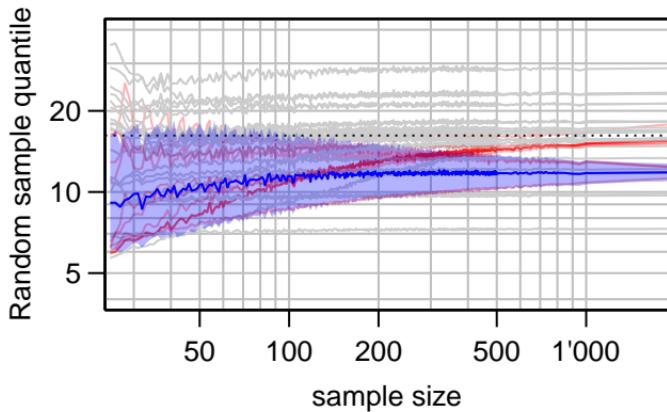
# GPD\_PWM\_evir

0.31

bias 99%



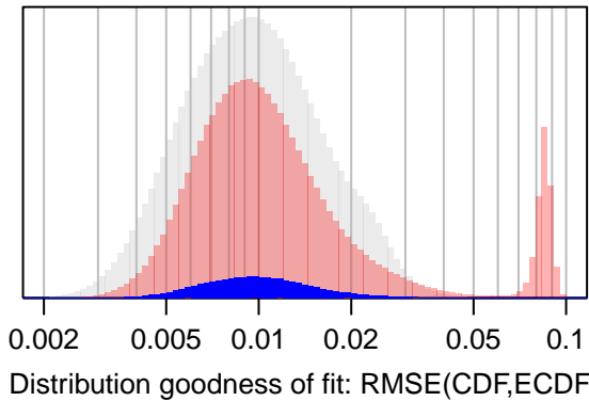
bias 99.9%



0.0098

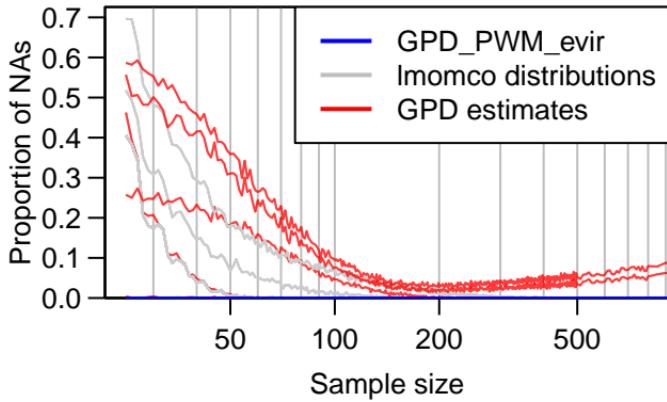
gof

Histogram



0%

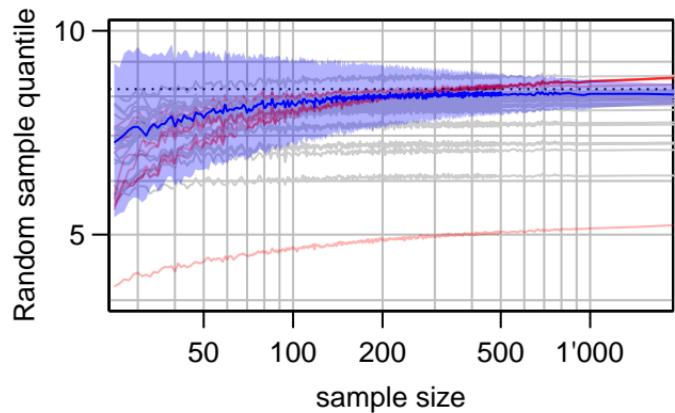
error



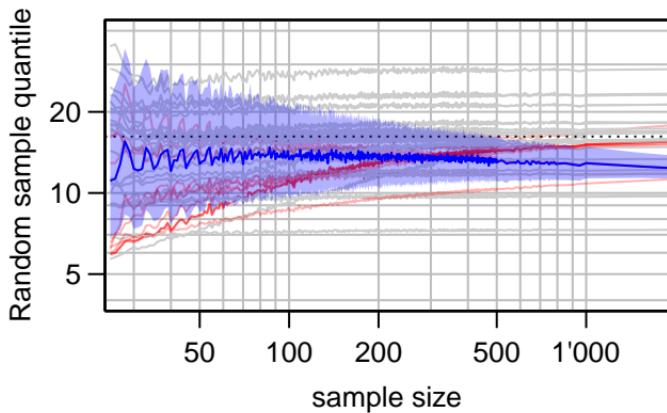
# GPD\_PWM\_fExtremes

0.32

bias 99%



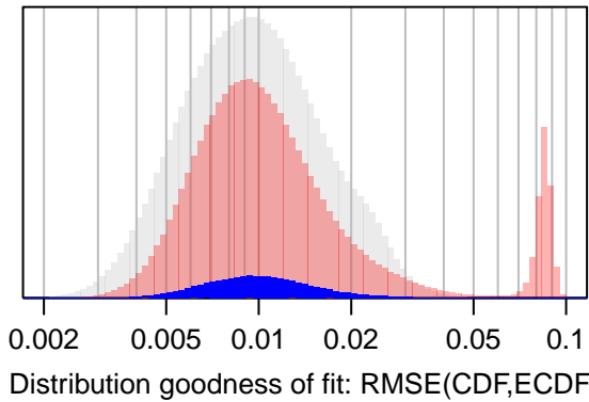
bias 99.9%



0.0099

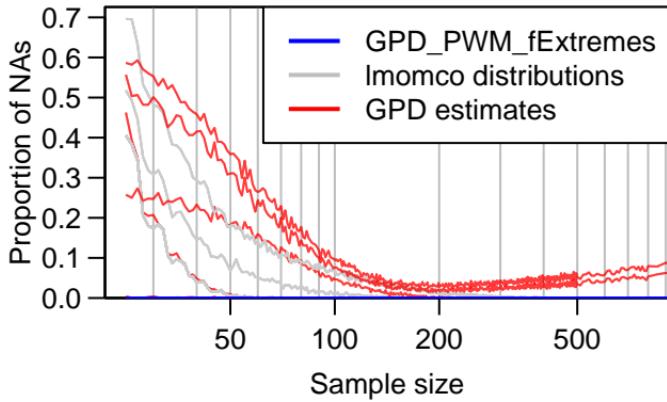
gof

Histogram



0%

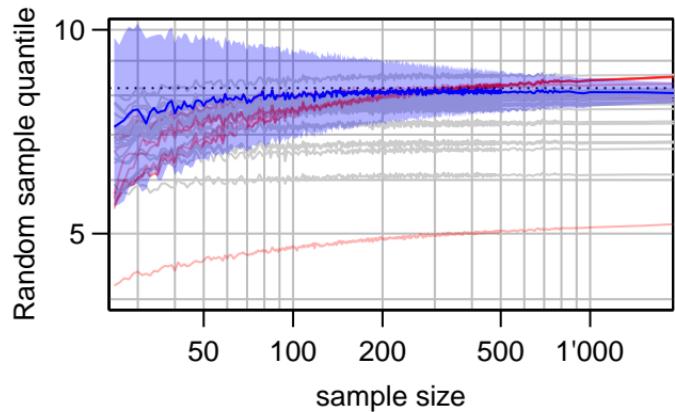
error



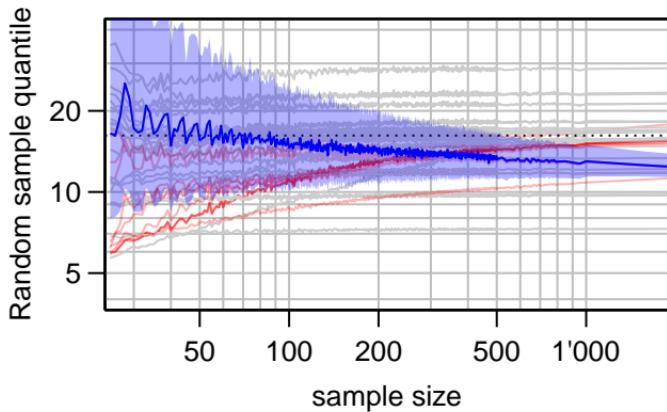
# GPD\_LMO\_extRemes

0.33

bias 99%



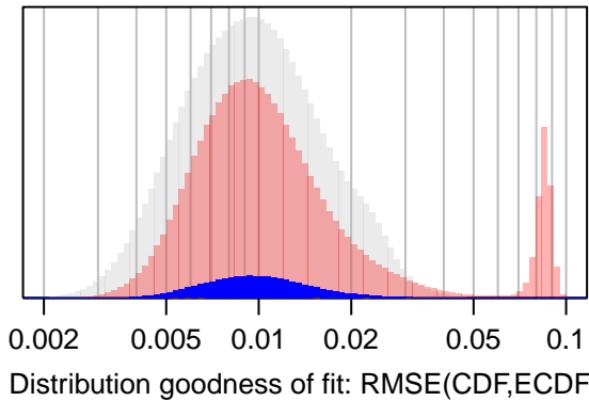
bias 99.9%



0.0097

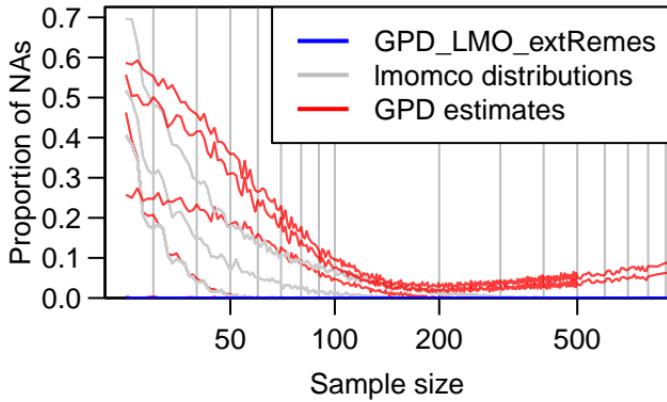
gof

Histogram



0%

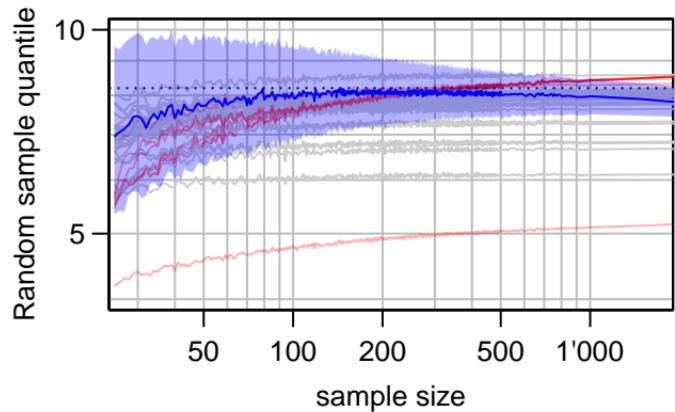
error



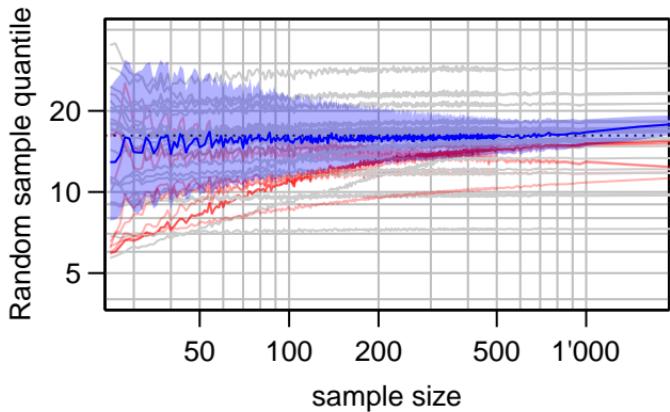
# GPD\_GML\_extRemes

0.31

bias 99%



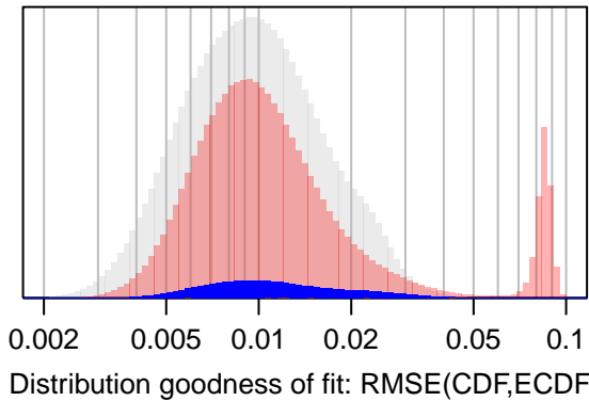
bias 99.9%



0.0107

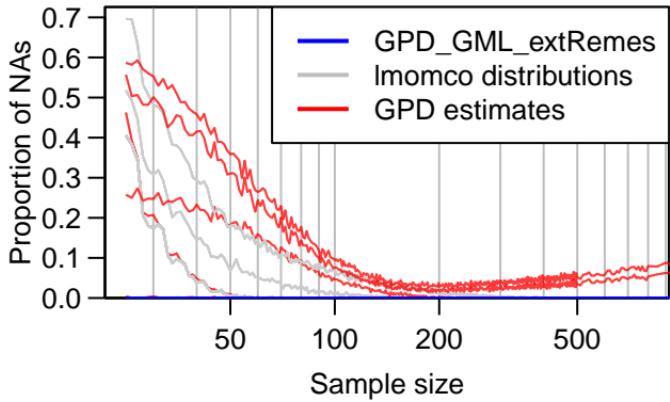
gof

Histogram



0%

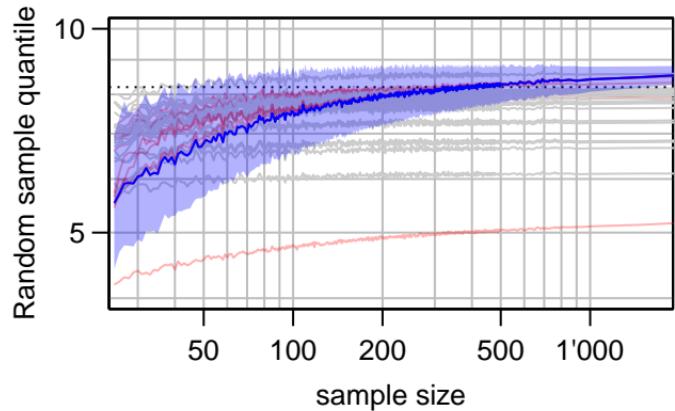
error



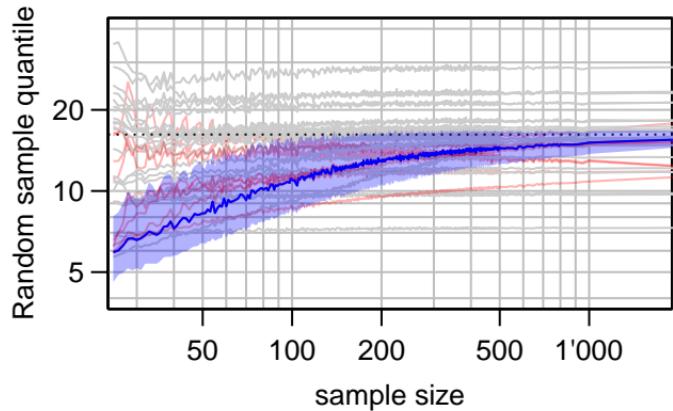
# GPD\_MLE\_extRemes

0.3

bias 99%



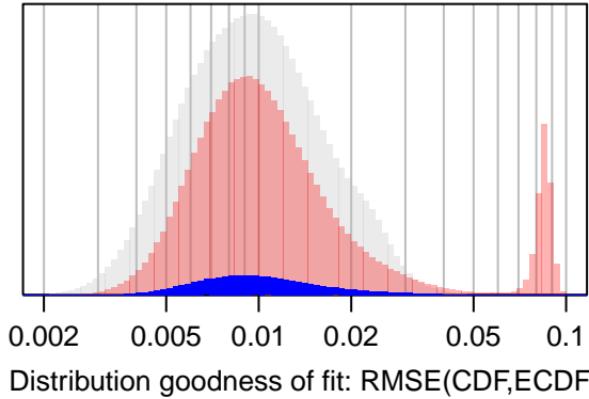
bias 99.9%



0.0097

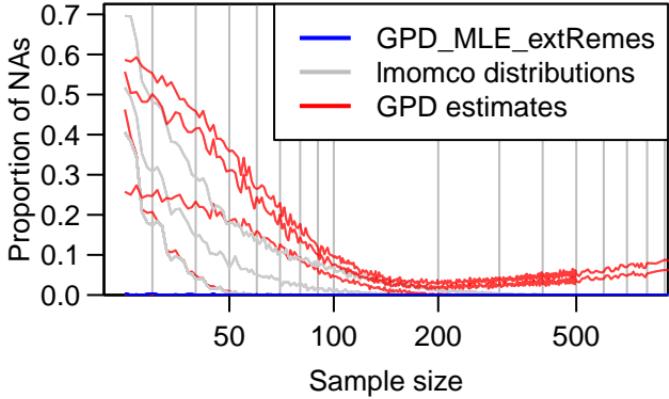
gof

Histogram



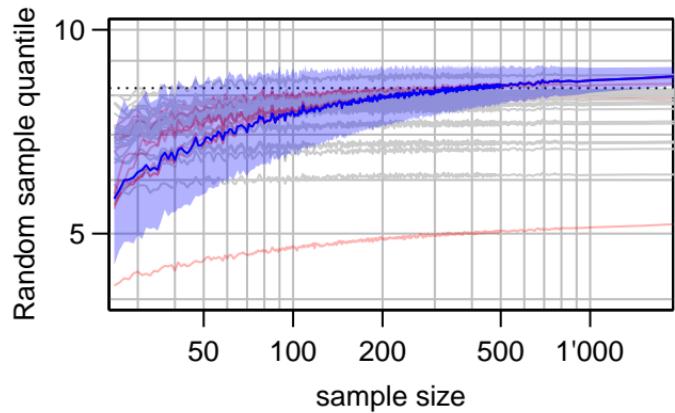
0.01%

error

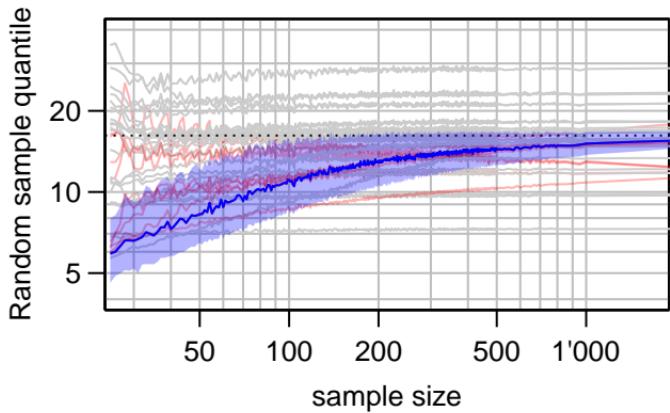


# GPD\_MLE\_ismev

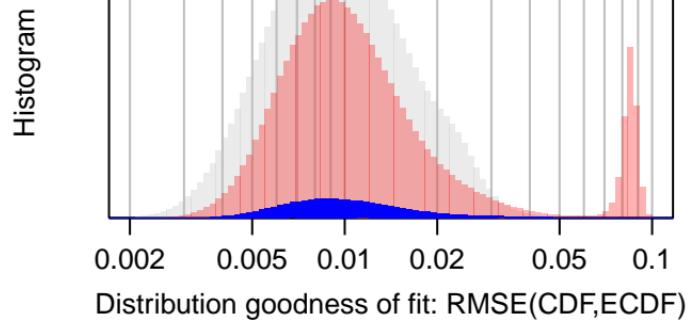
**0.3**      **bias 99%**



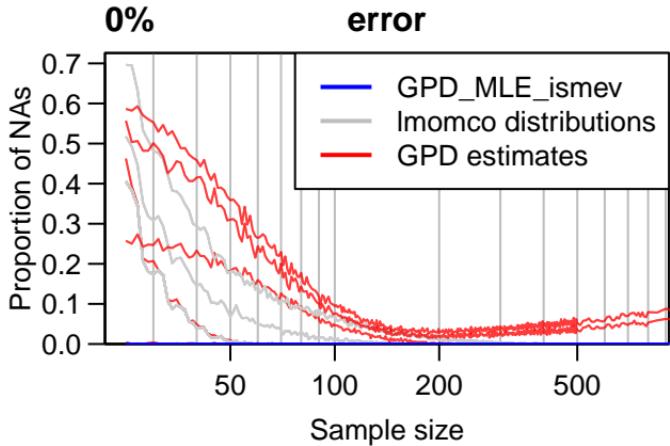
**bias 99.9%**



**0.0097**      **gof**

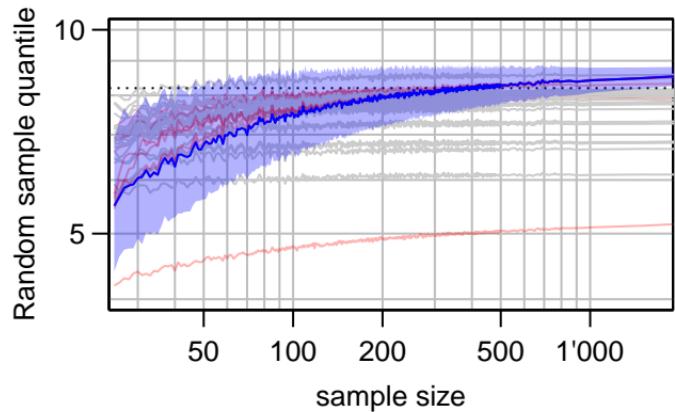


**0%**      **error**

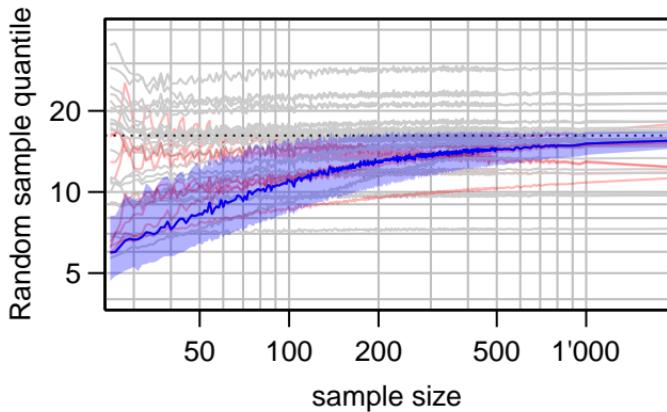


# GPD\_MLE\_evd

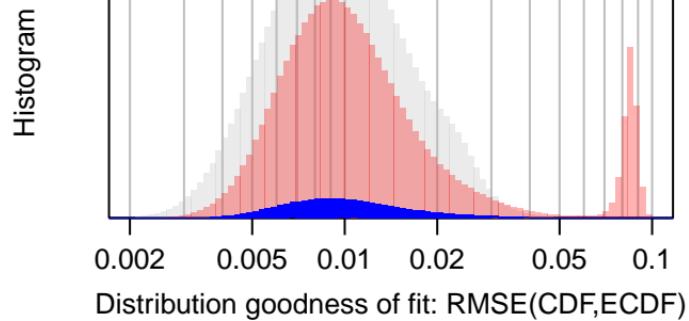
**0.3**  
**bias 99%**



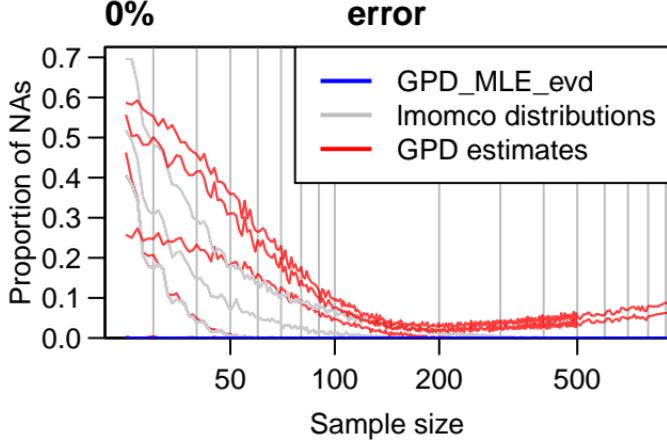
**bias 99.9%**



**0.0097**  
**gof**

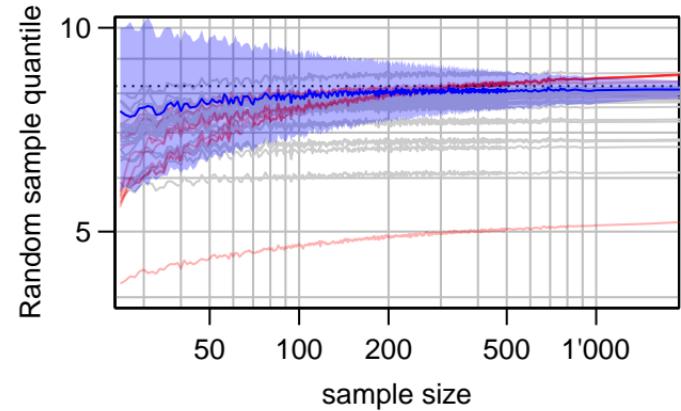


**0%**  
**error**

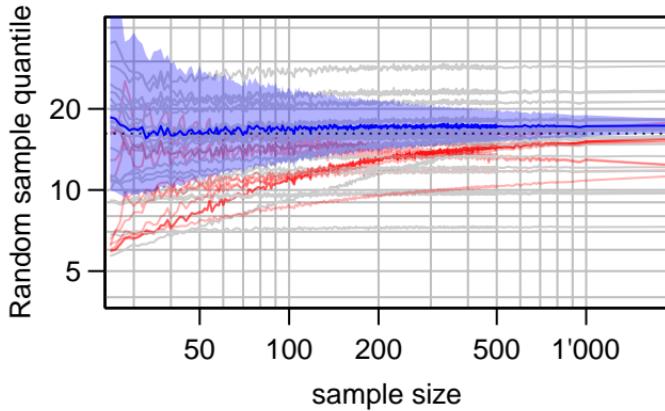


**wei**

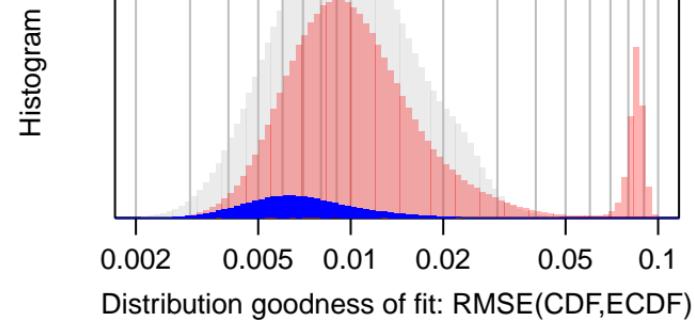
**0.3 bias 99%**



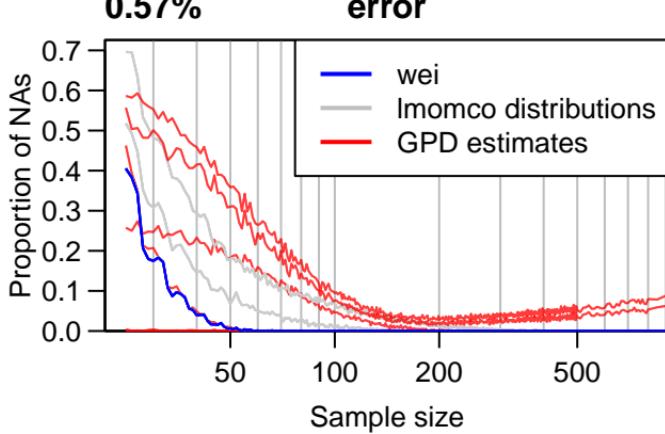
**bias 99.9%**



**0.0067 gof**

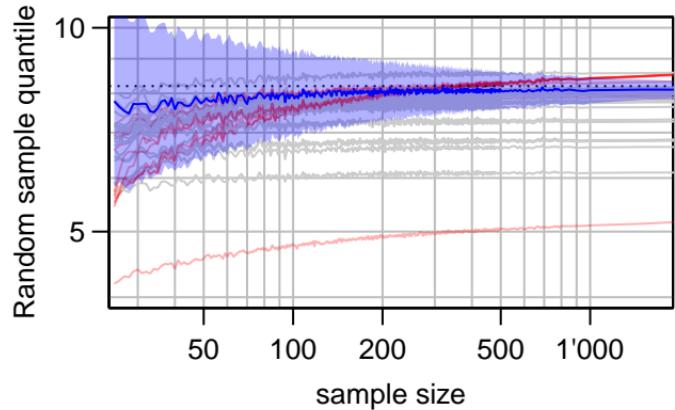


**0.57% error**

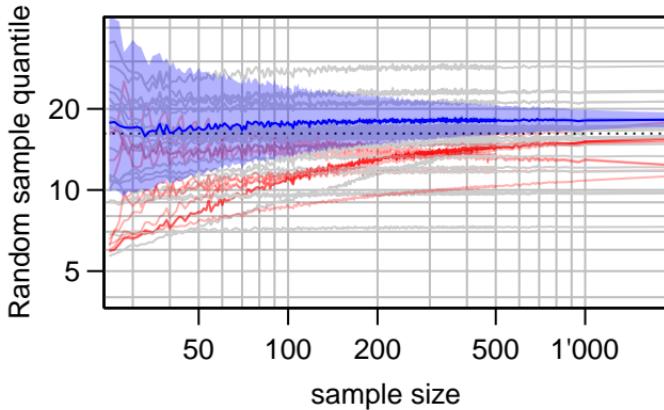


**pe3**

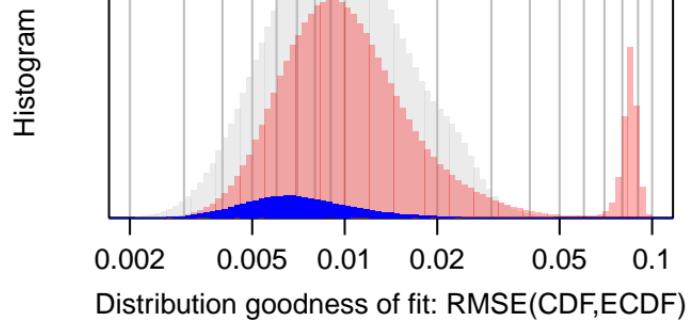
**0.3 bias 99%**



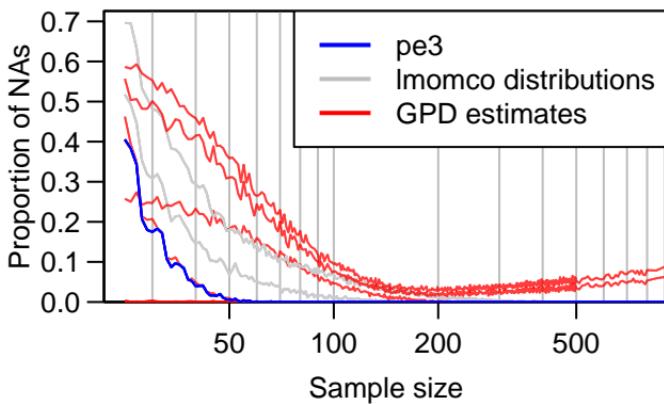
**bias 99.9%**



**0.0069 gof**

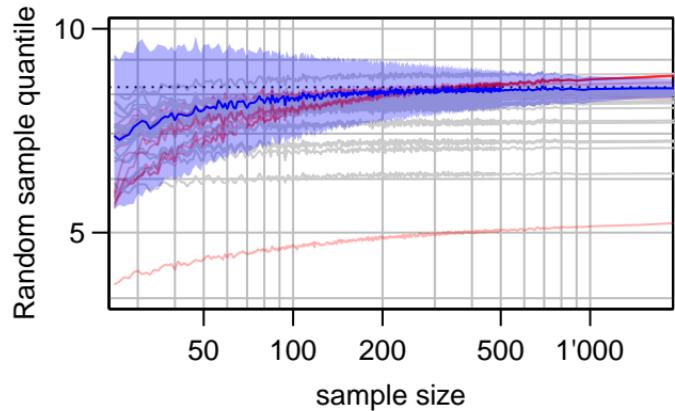


**0.57% error**

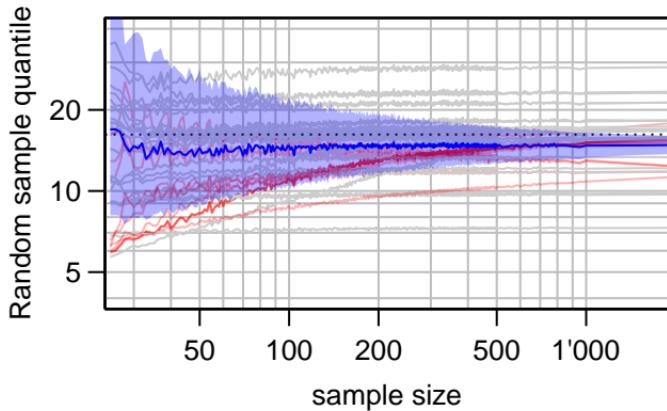


**gpa**

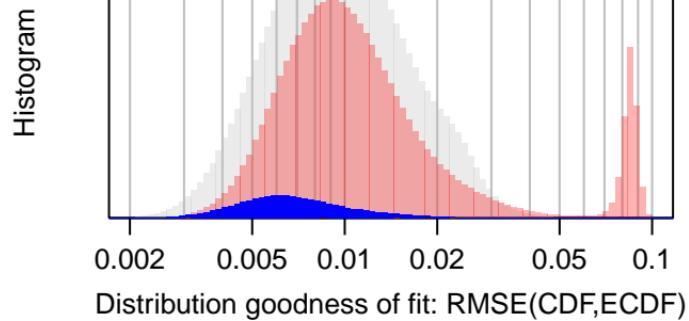
**0.31 bias 99%**



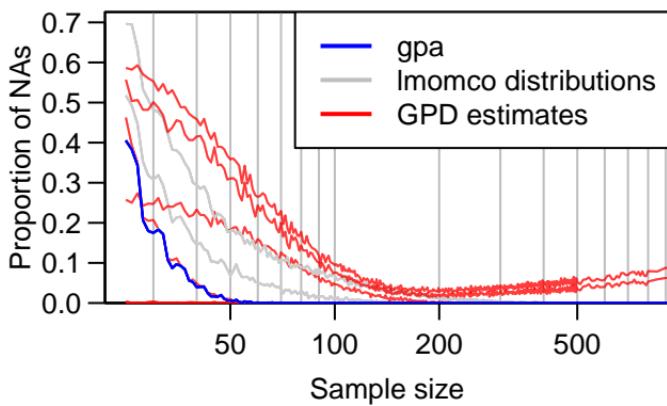
**bias 99.9%**



**0.0066 gof**

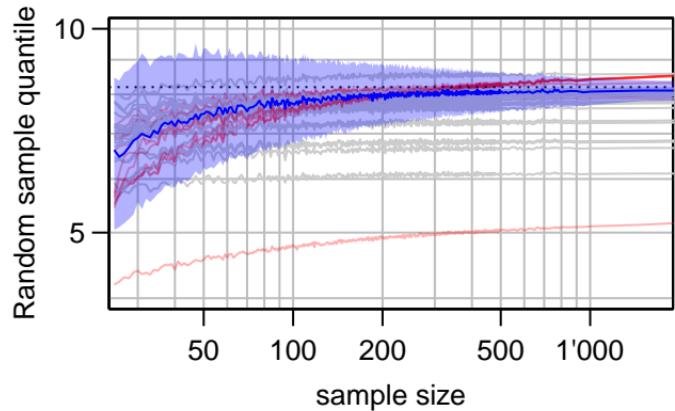


**0.57% error**

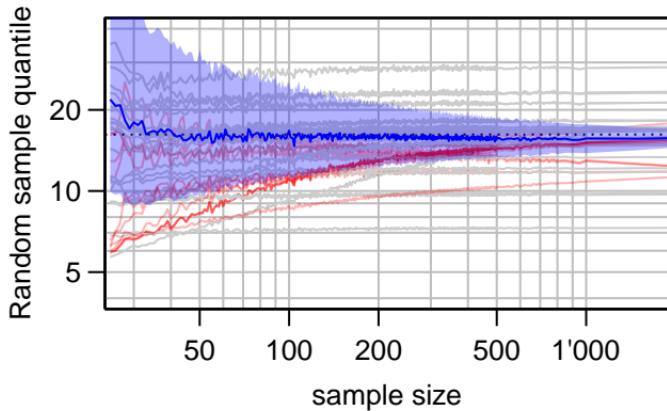


wak

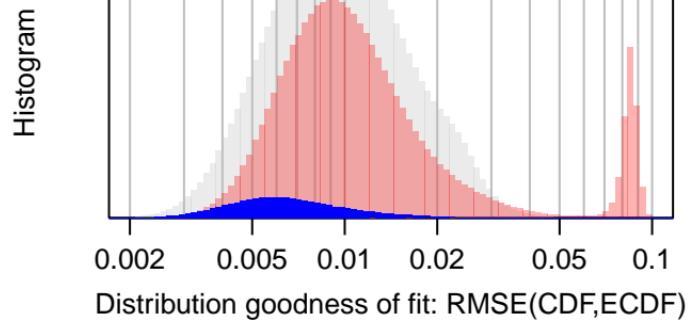
**0.31**      **bias 99%**



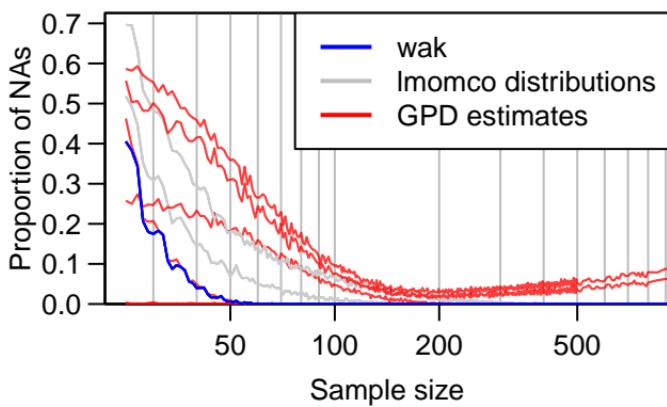
**bias 99.9%**



**0.0063**      **gof**



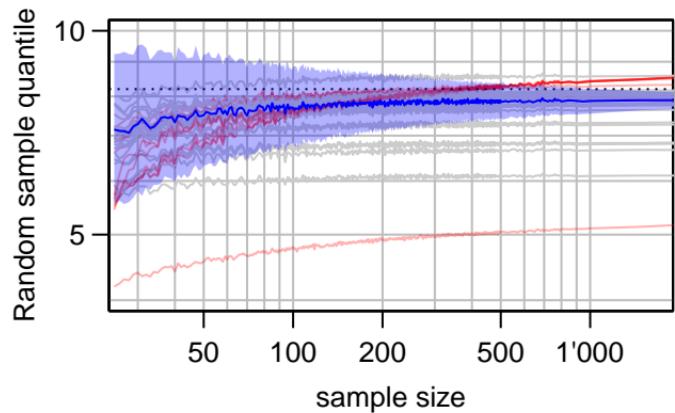
**0.57%**      **error**



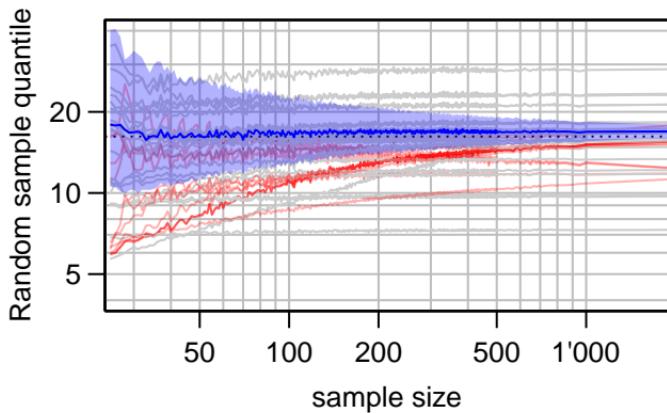
# weighteddc

0.29

bias 99%

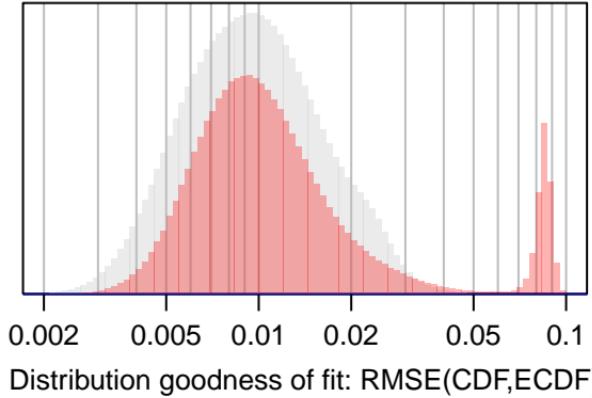


bias 99.9%



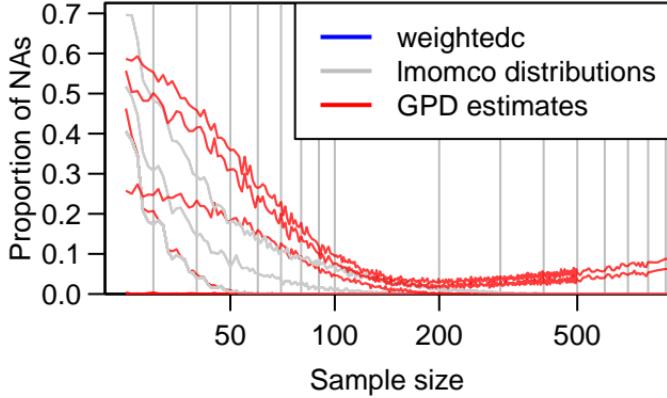
gof

Histogram



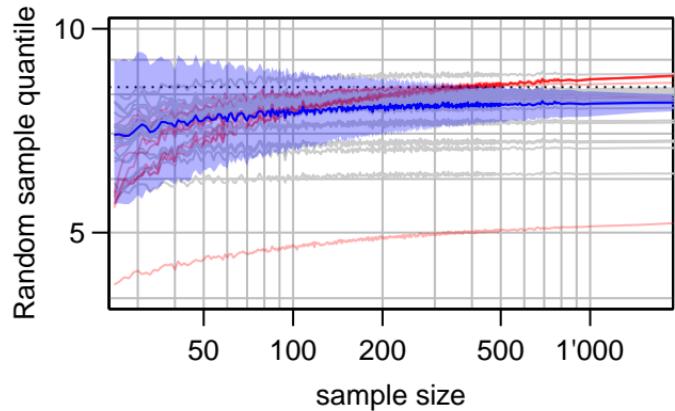
100%

error

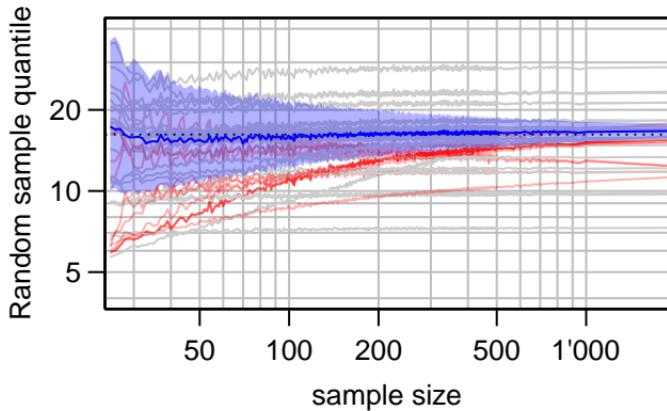


# weighted1

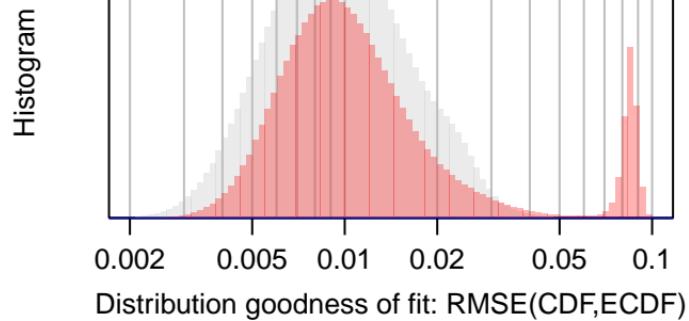
0.29      bias 99%



bias 99.9%

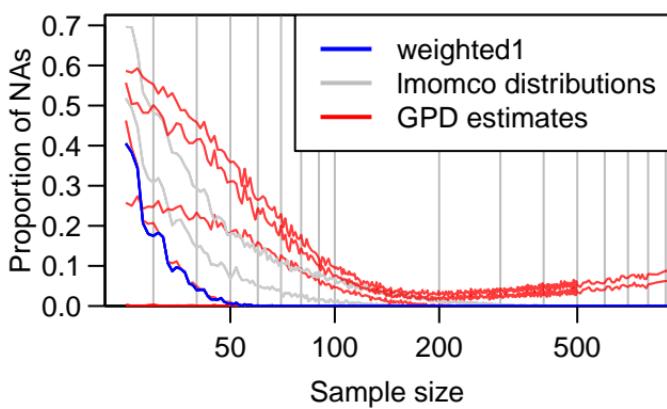


gof



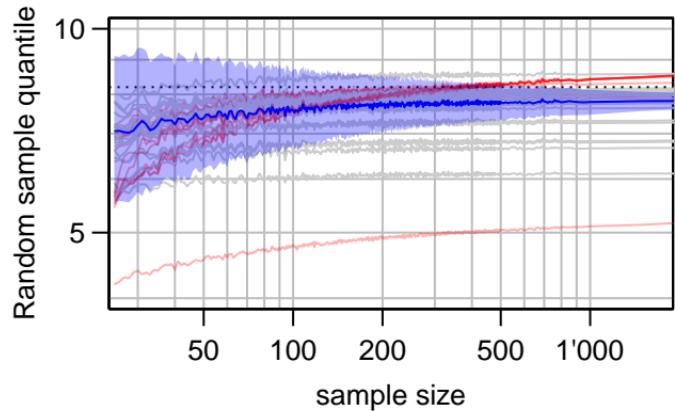
0.57%

error

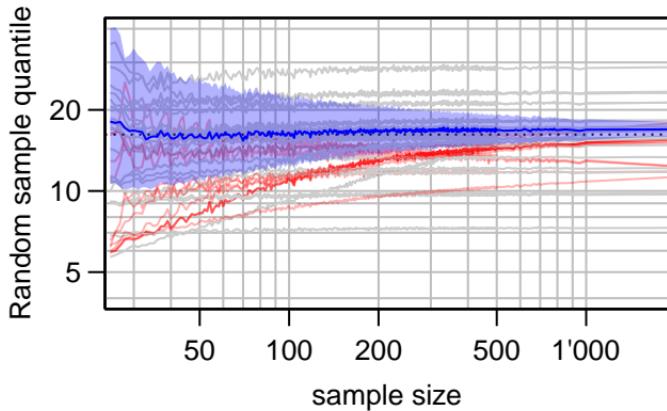


## weighted2

**0.29**      **bias 99%**

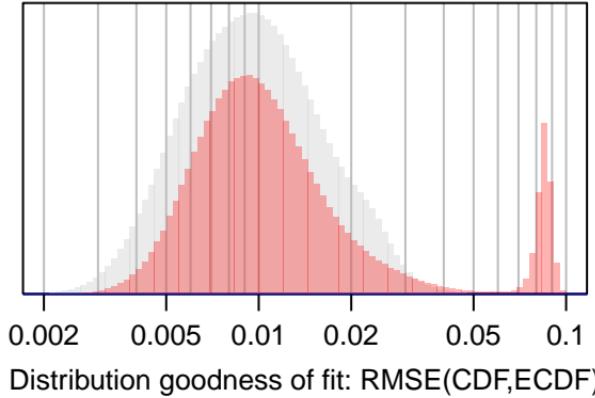


**bias 99.9%**



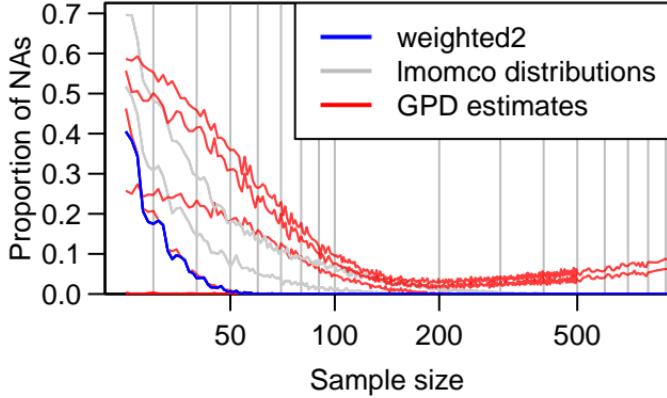
**gof**

Histogram



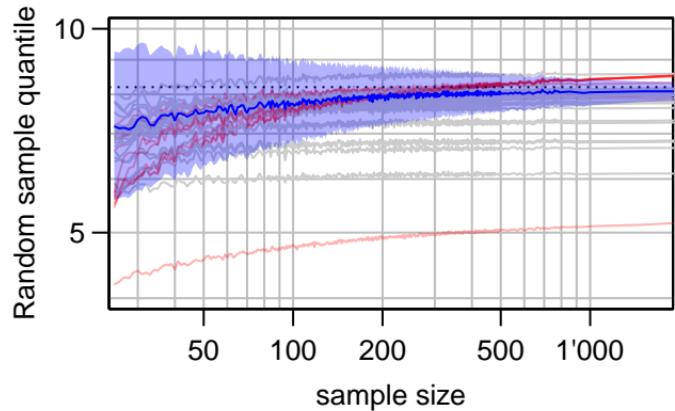
**0.57%**

**error**

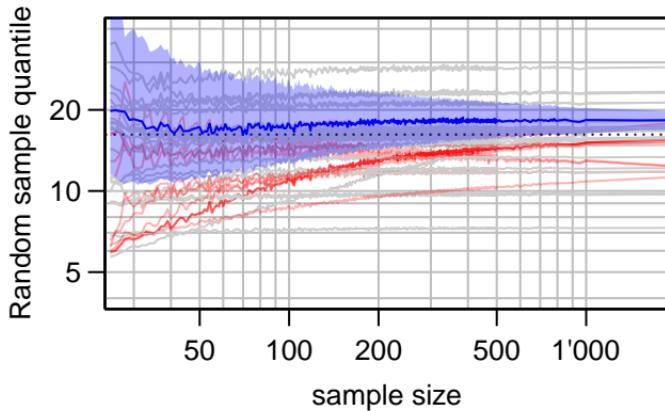


### weighted3

0.31      bias 99%

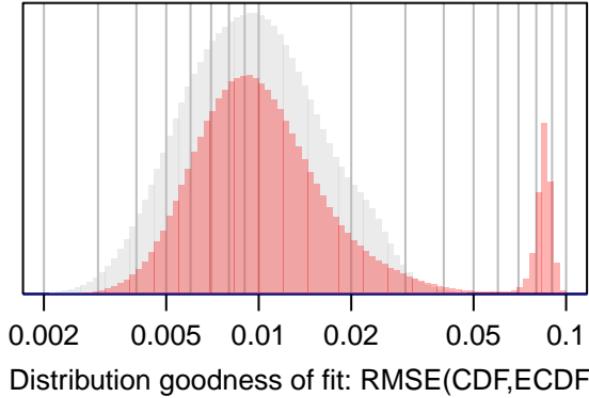


bias 99.9%



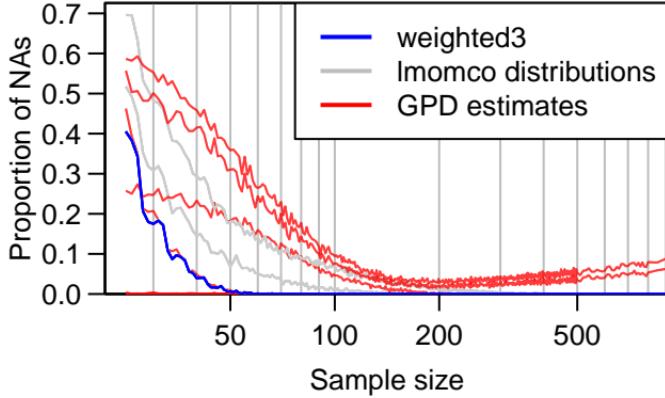
gof

Histogram



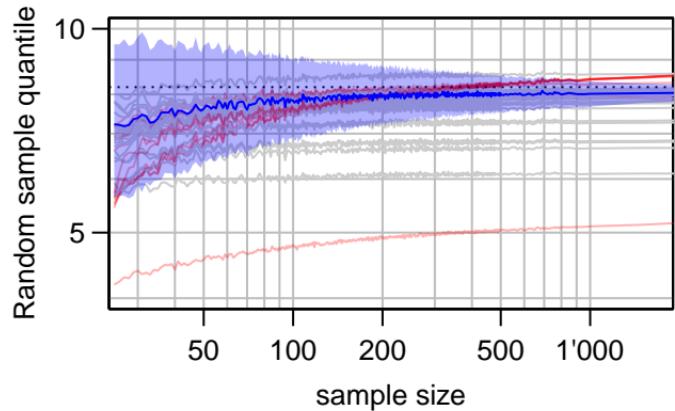
0.57%

error

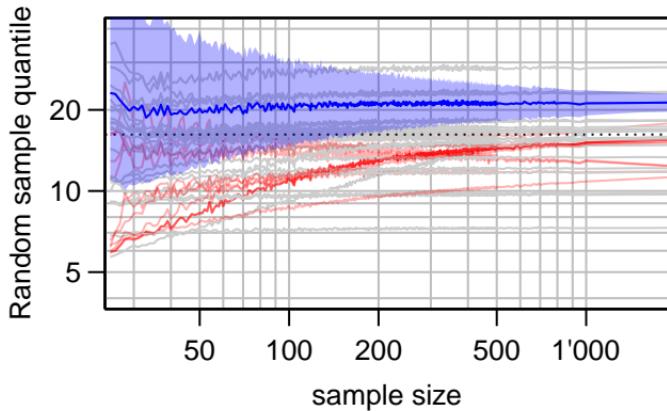


**gno**

**0.33 bias 99%**

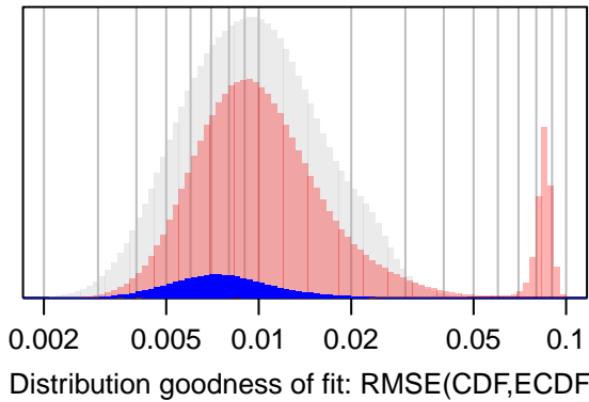


**bias 99.9%**

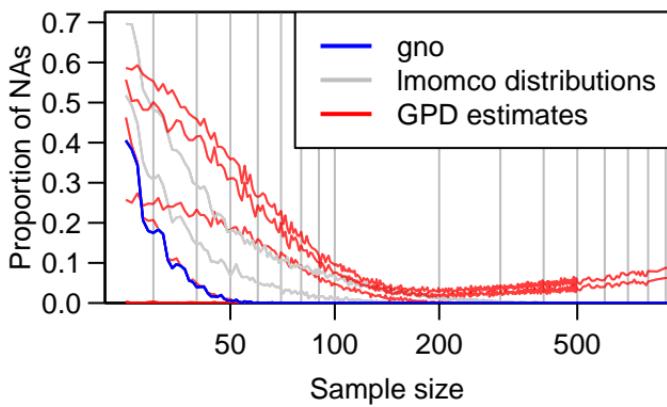


**0.0075 gof**

Histogram

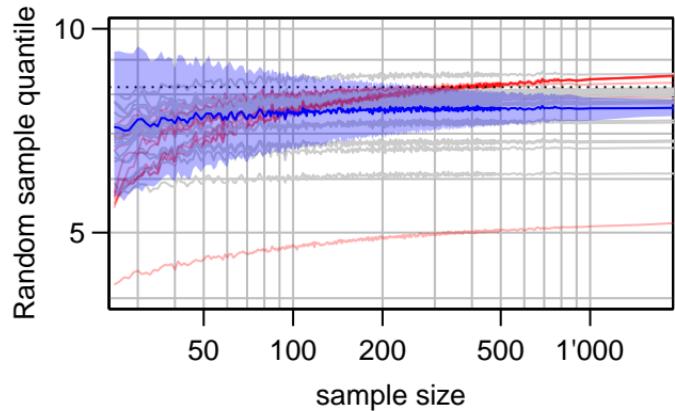


**0.57% error**

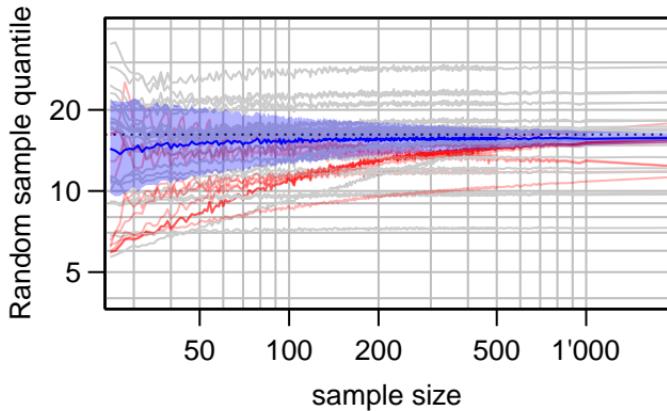


# gum

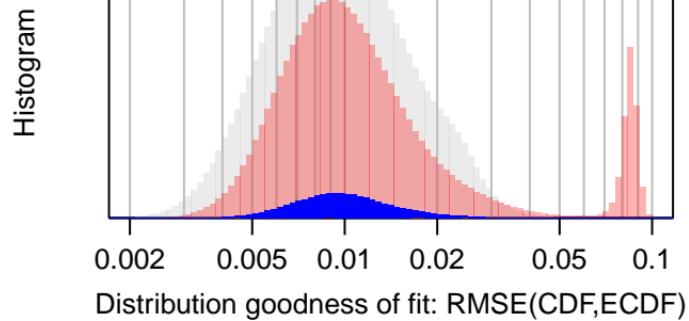
**0.28**      **bias 99%**



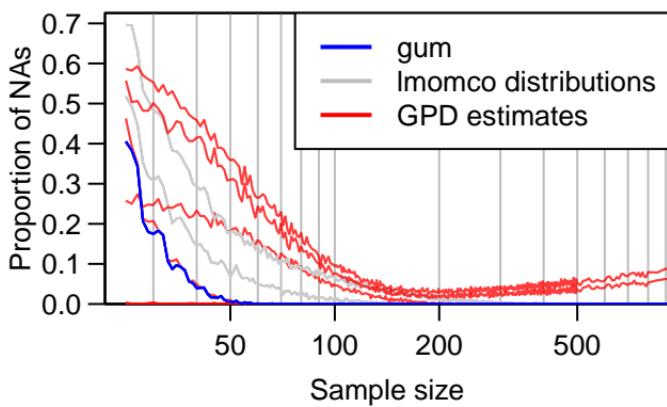
**bias 99.9%**



**0.0097**      **gof**



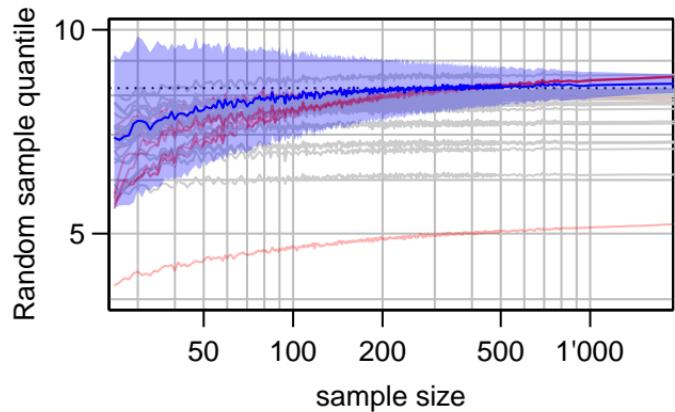
**0.57%**      **error**



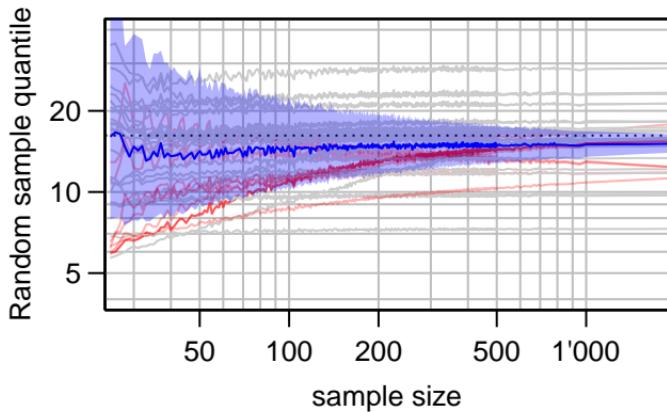
# GPD\_LMO\_Imomco

0.31

bias 99%



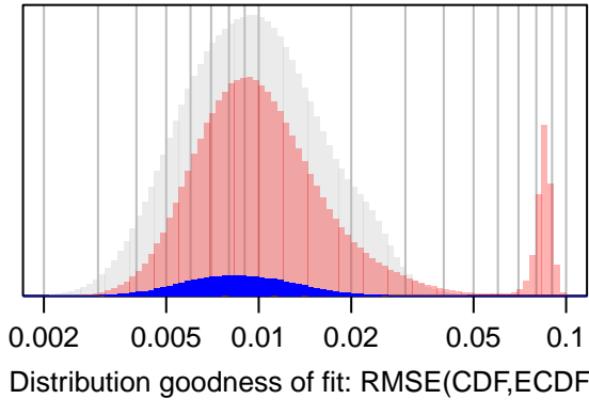
bias 99.9%



0.0086

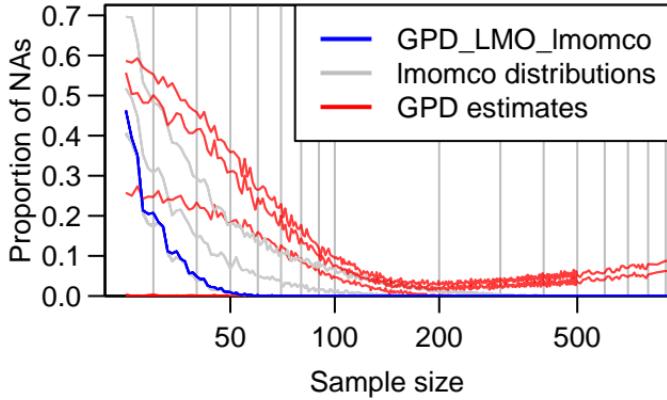
gof

Histogram



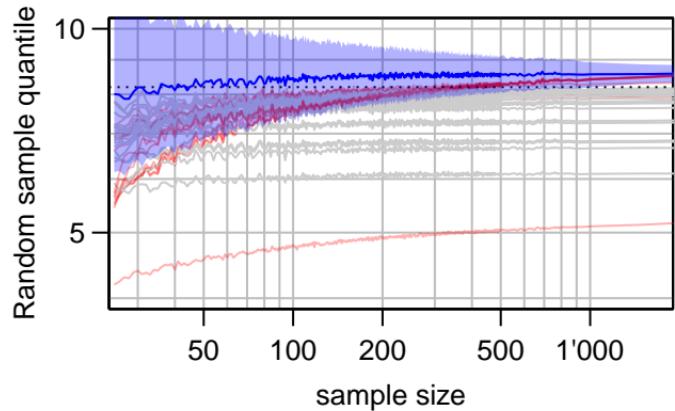
0.61%

error

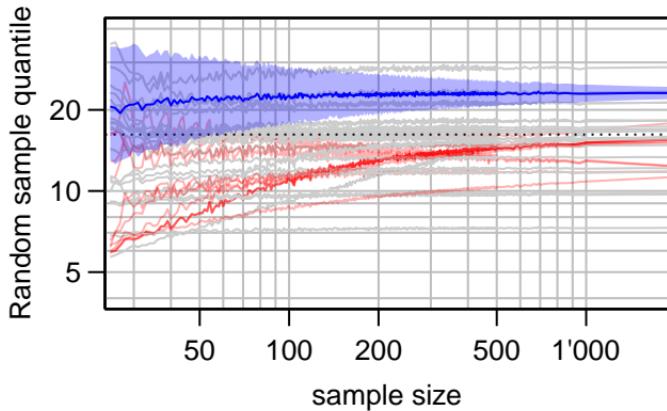


**exp**

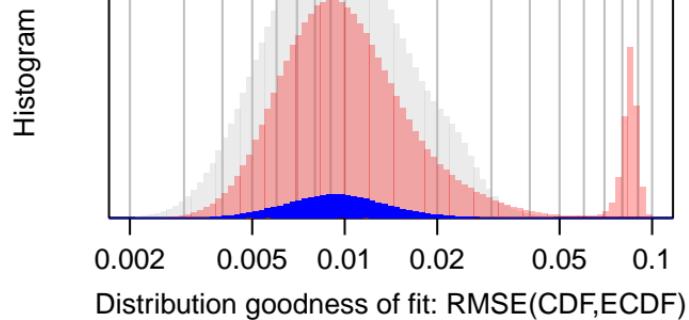
**0.32 bias 99%**



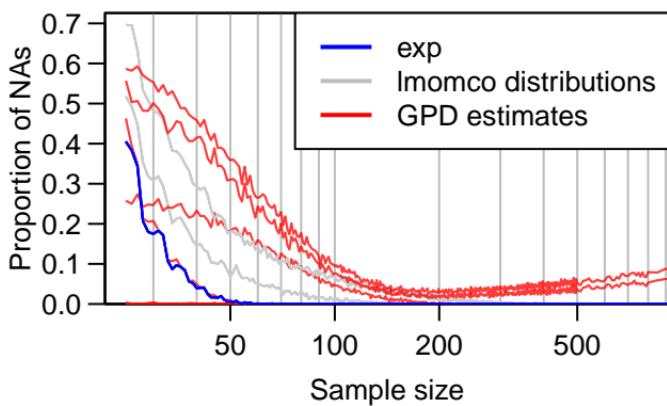
**bias 99.9%**



**0.0094 gof**

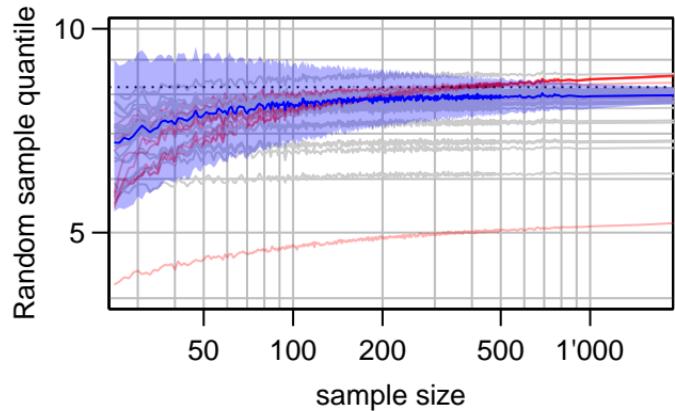


**0.57% error**

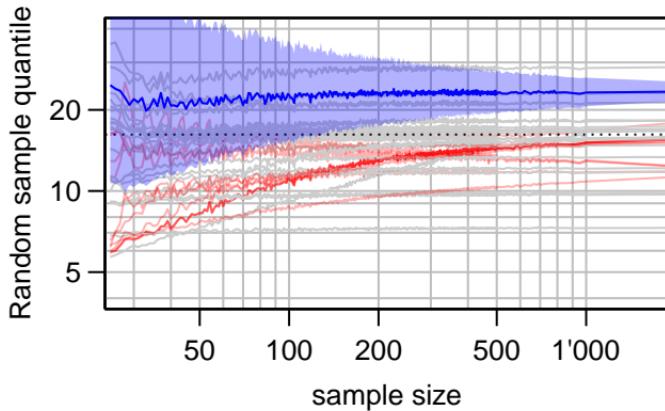


gev

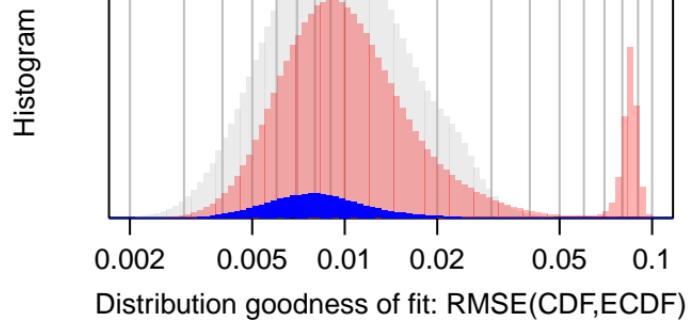
**0.36** bias 99%



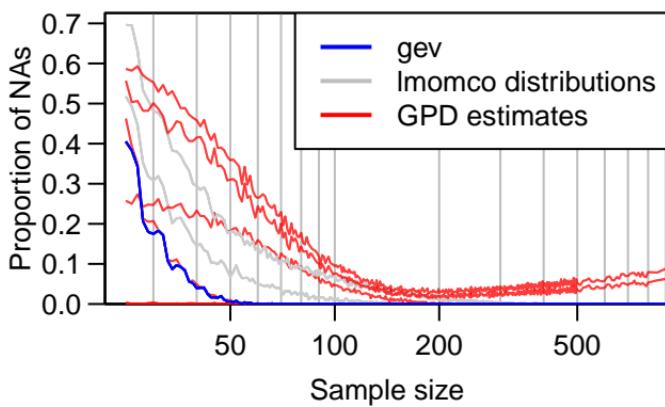
**bias 99.9%**



**0.008** gof

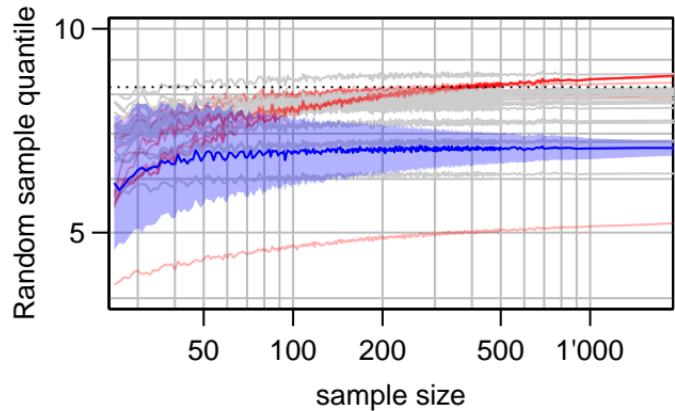


**0.57%** error

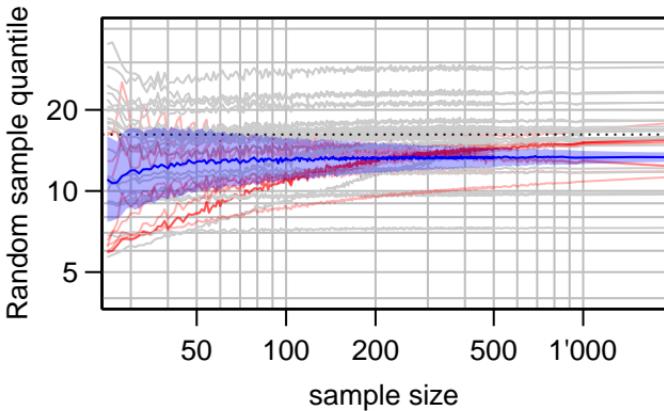


lap

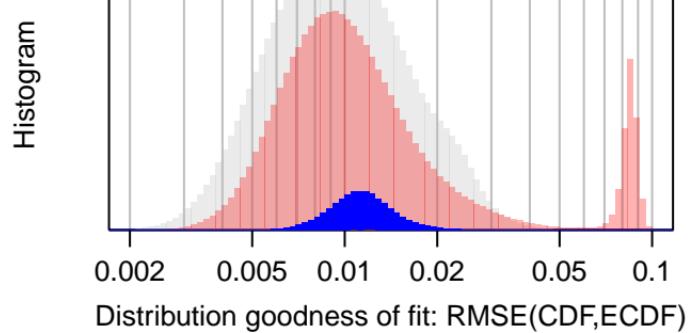
**0.28** bias 99%



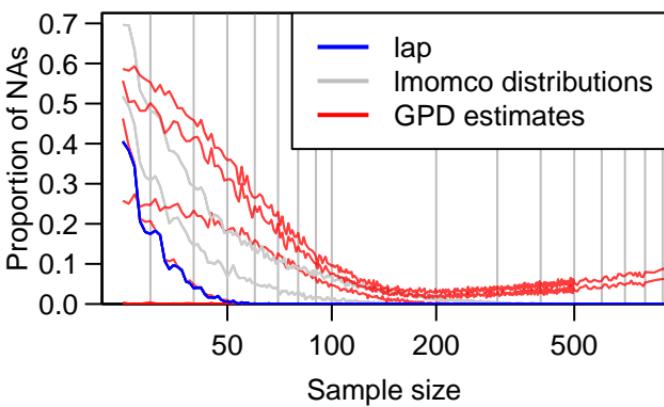
**bias 99.9%**



**0.0113** gof

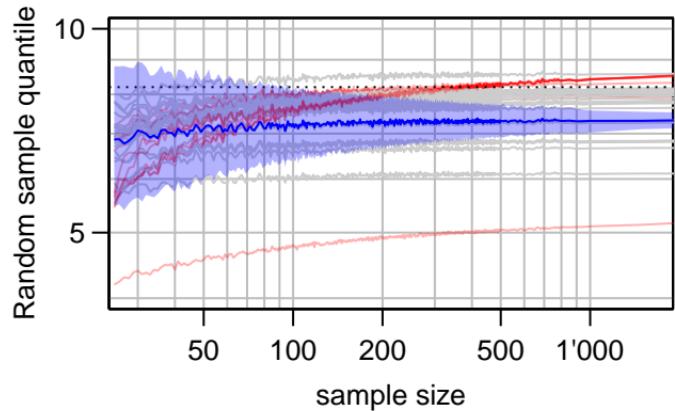


**0.57%** error

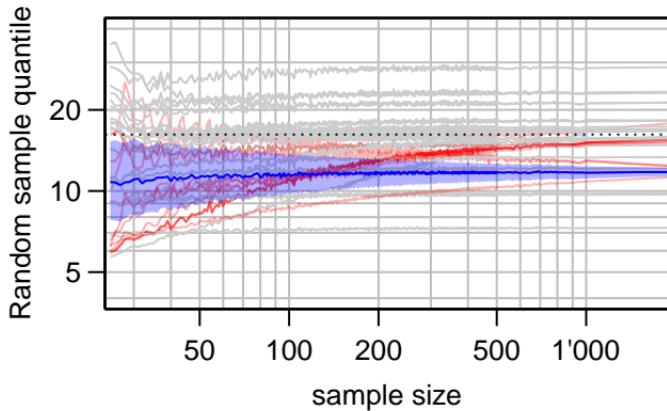


ray

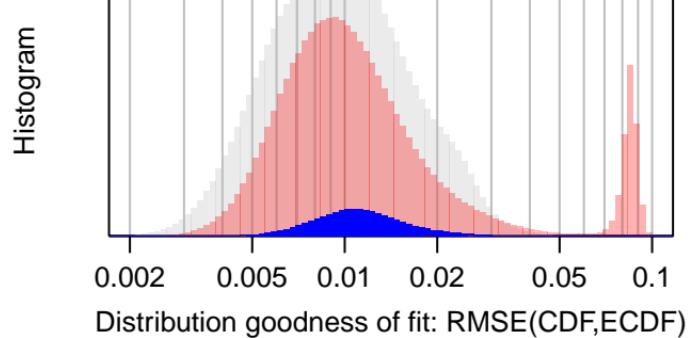
**0.29** bias 99%



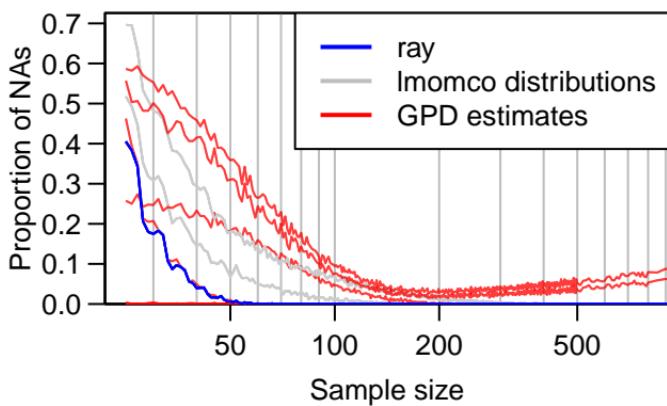
**bias 99.9%**



**0.011** gof

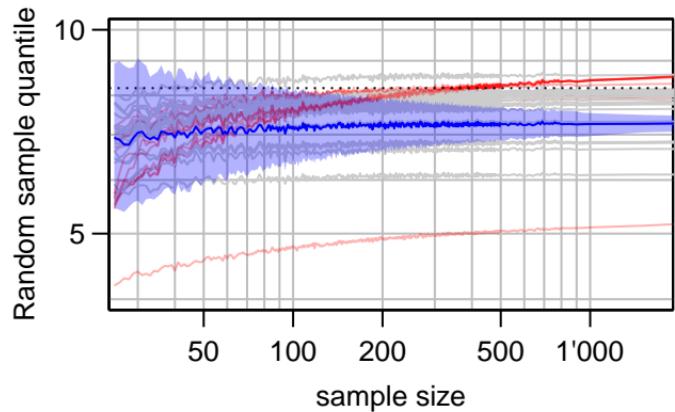


**0.57%** error

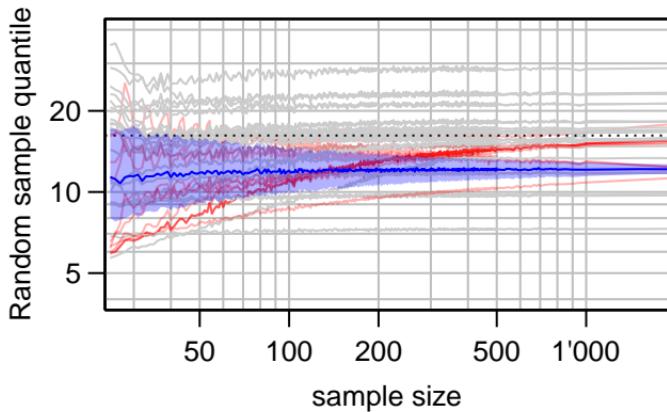


**gam**

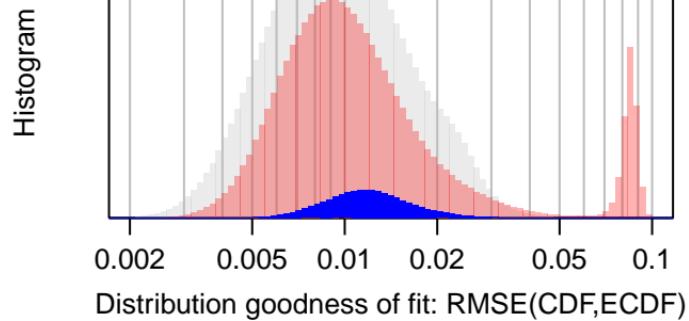
**0.29 bias 99%**



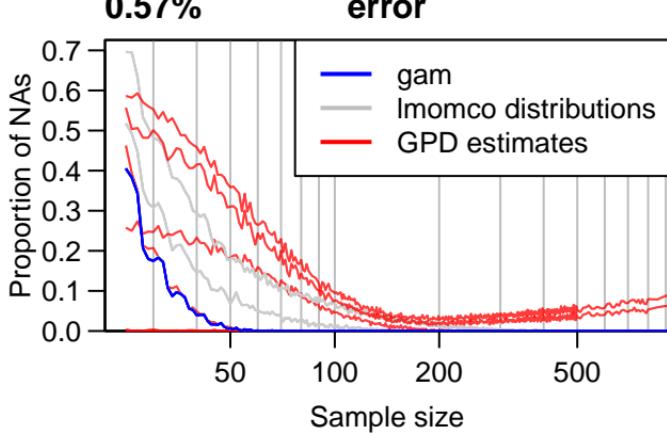
**bias 99.9%**



**0.0118 gof**

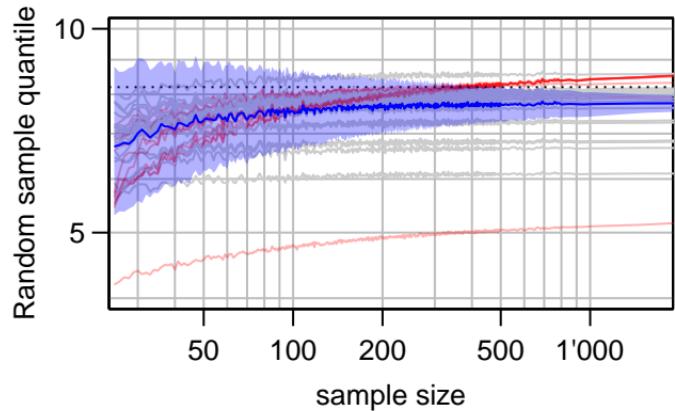


**0.57% error**

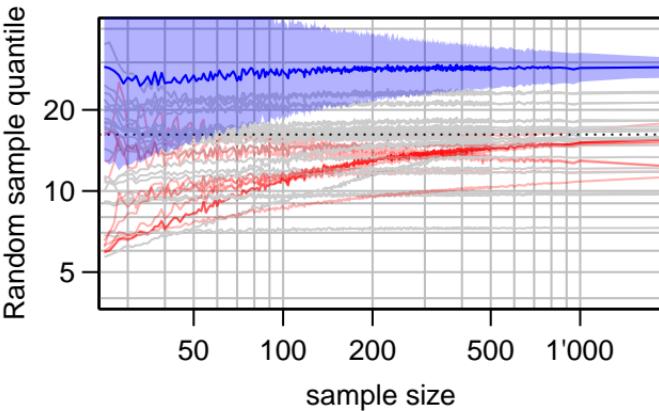


**glo**

**0.42 bias 99%**

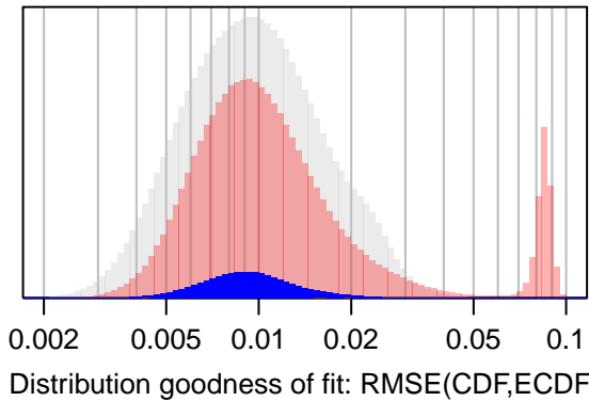


**bias 99.9%**

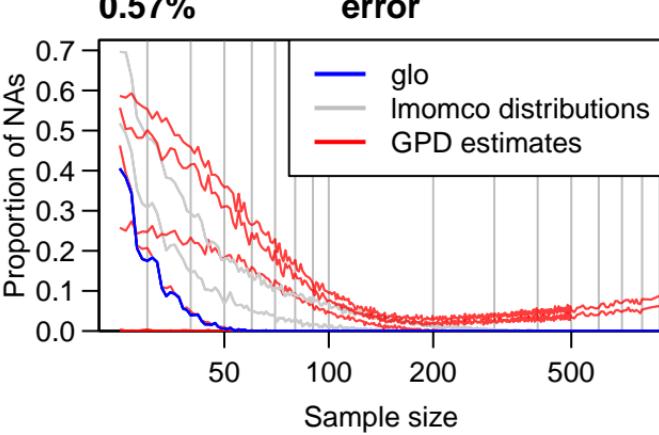


**0.0091 gof**

Histogram

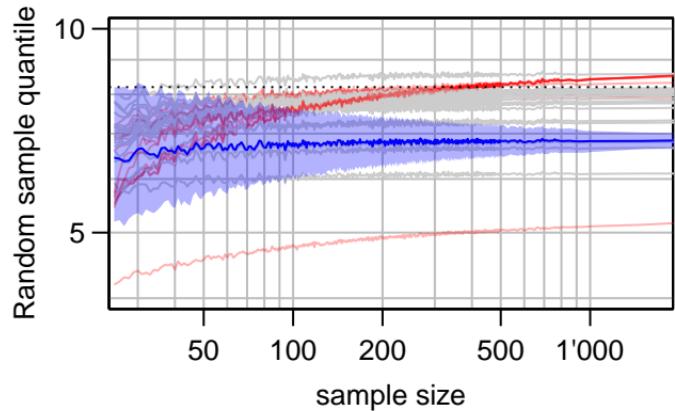


**0.57% error**

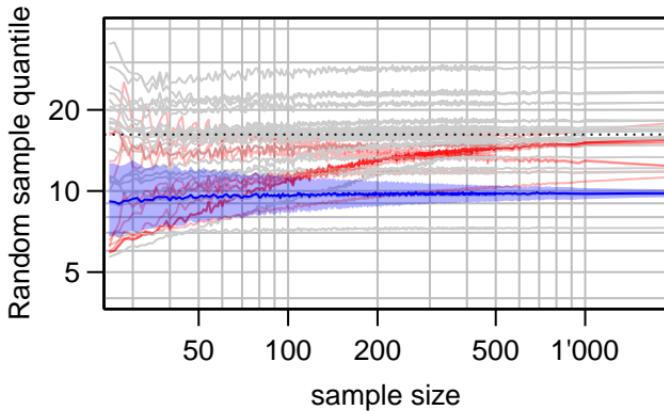


rice

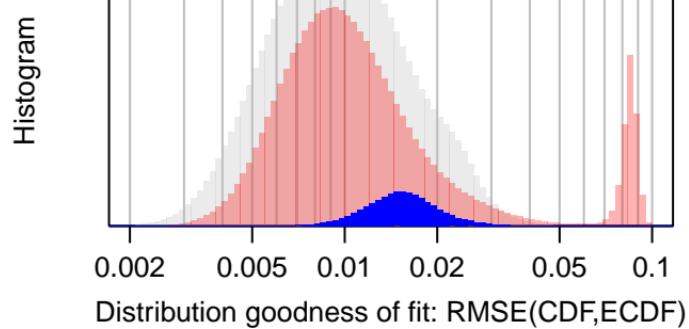
**0.33** bias 99%



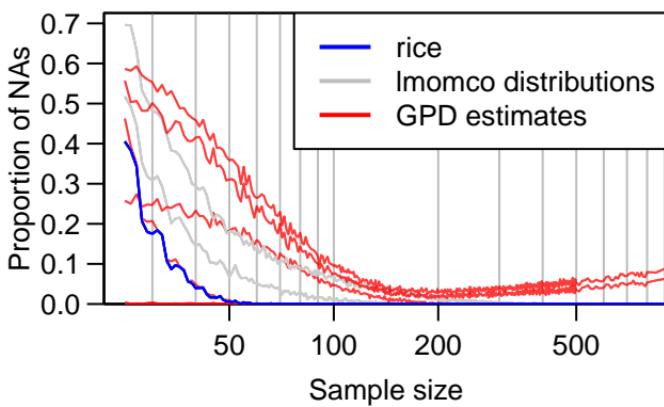
**bias 99.9%**



**0.0153** gof

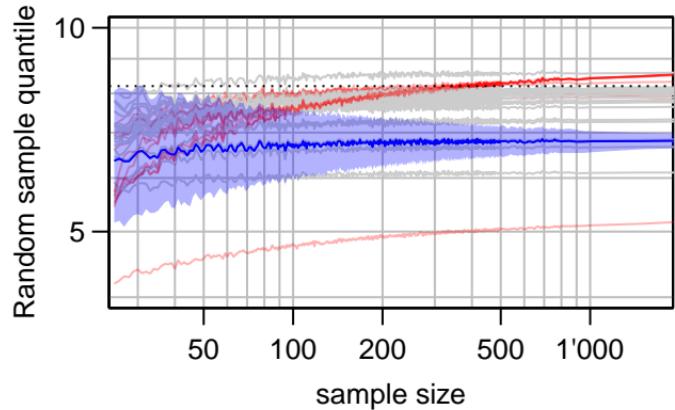


**0.57%** error

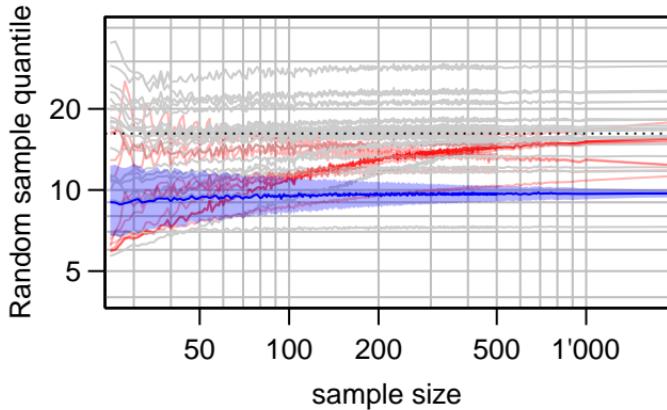


**nor**

**0.33 bias 99%**

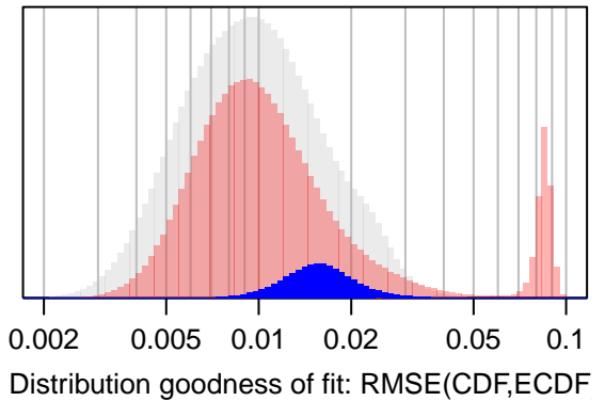


**bias 99.9%**

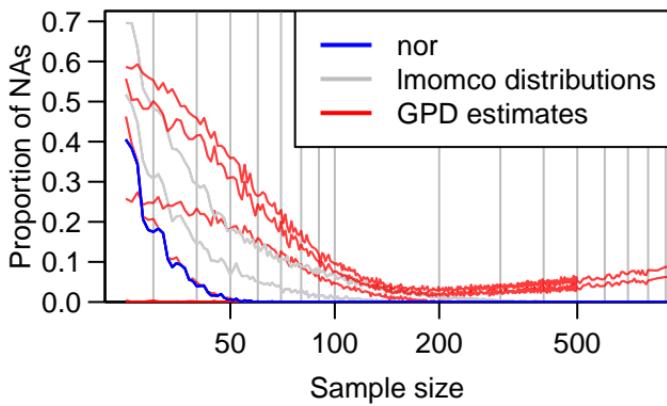


**0.0156 gof**

Histogram

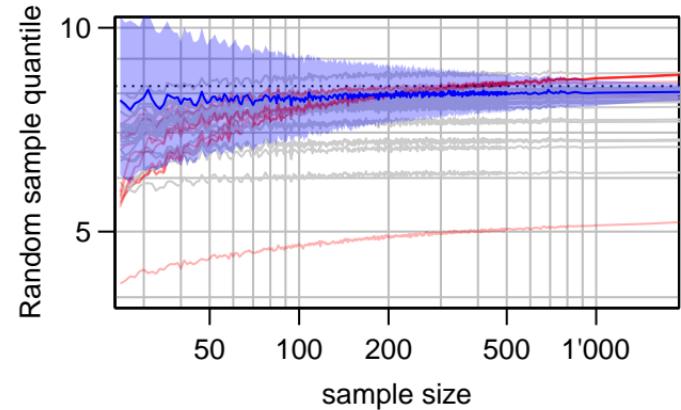


**0.57% error**

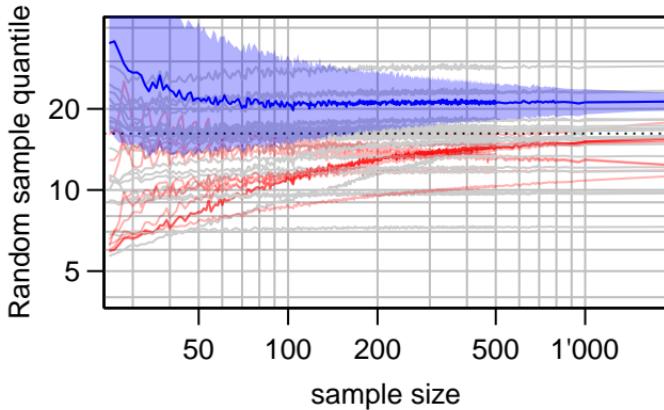


**ln3**

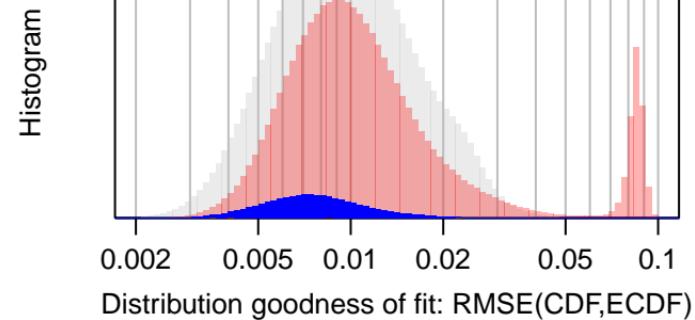
**0.33 bias 99%**



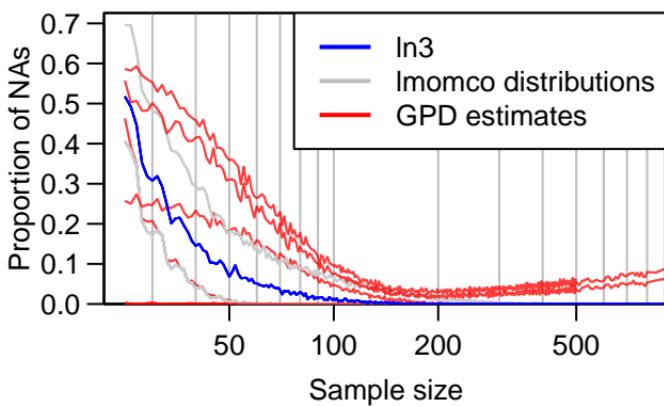
**bias 99.9%**



**0.0075 gof**

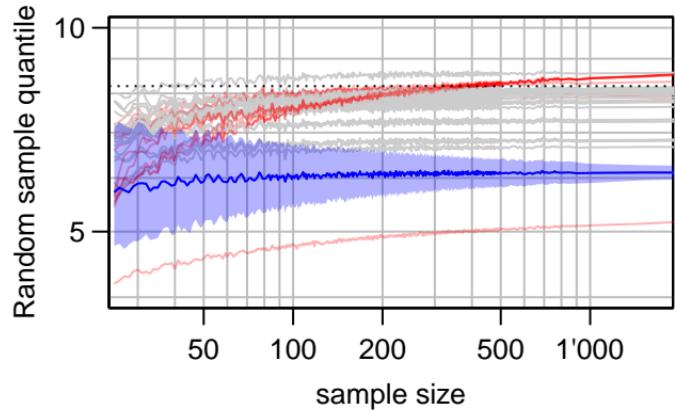


**1.51% error**

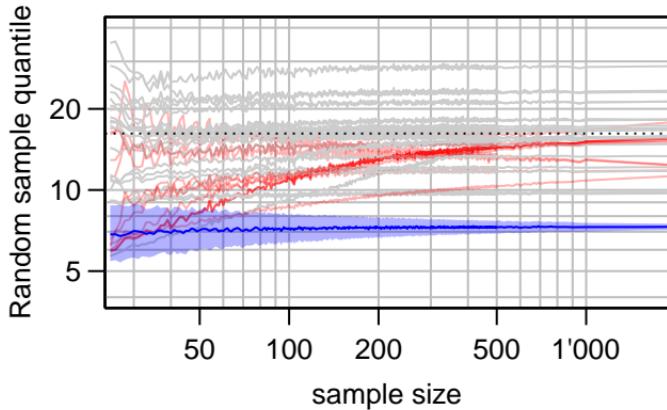


# revgum

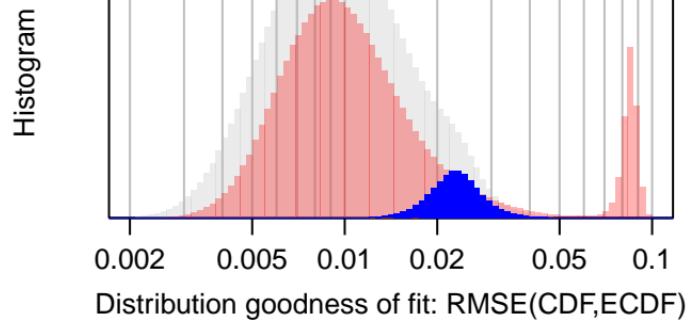
**0.35**      **bias 99%**



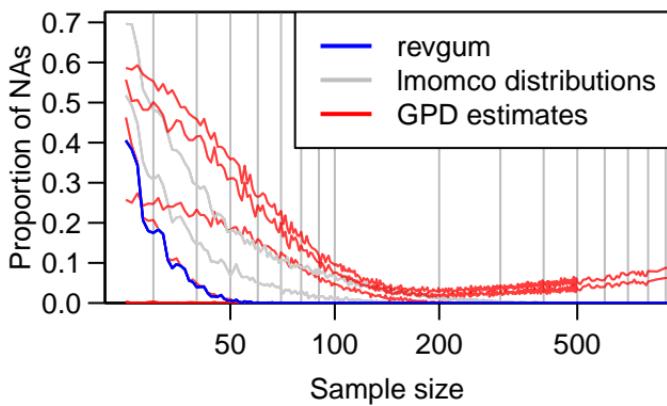
**bias 99.9%**



**0.0229**      **gof**



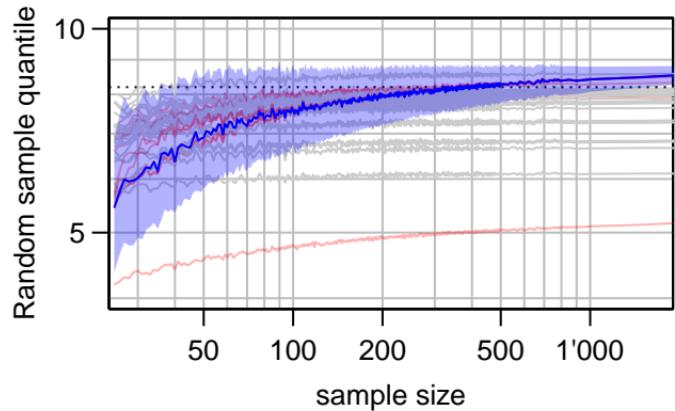
**0.57%**      **error**



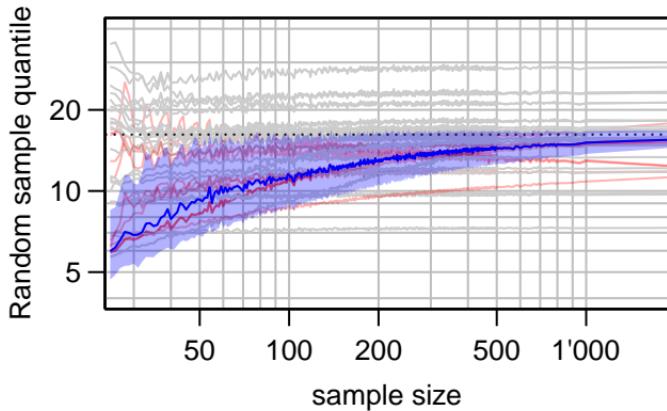
# GPD\_MLE\_Renext\_Renouv

0.3

bias 99%



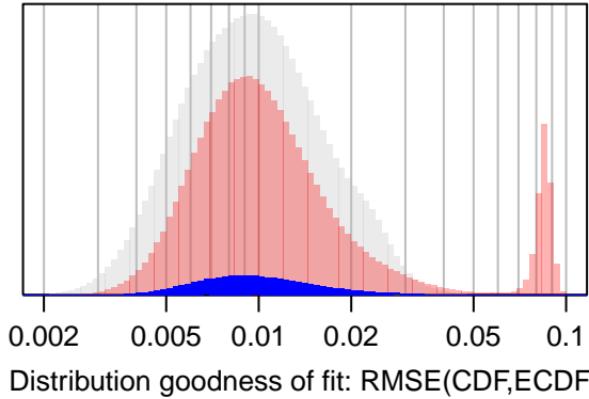
bias 99.9%



0.0096

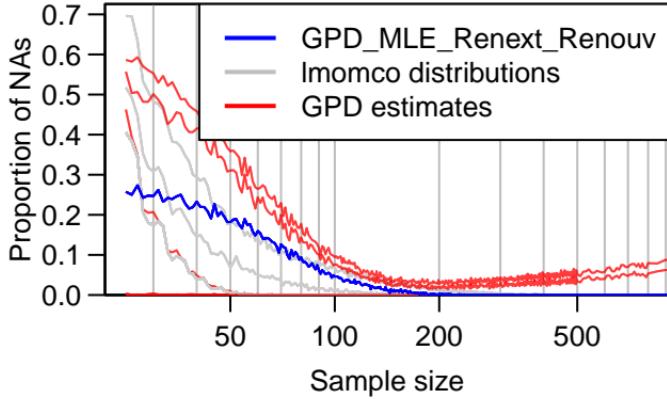
gof

Histogram



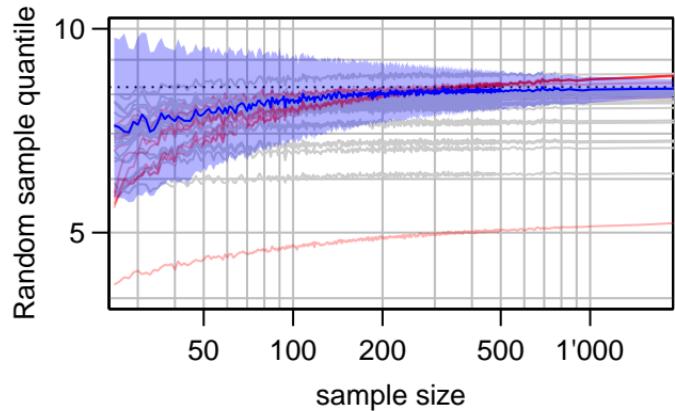
2.5%

error

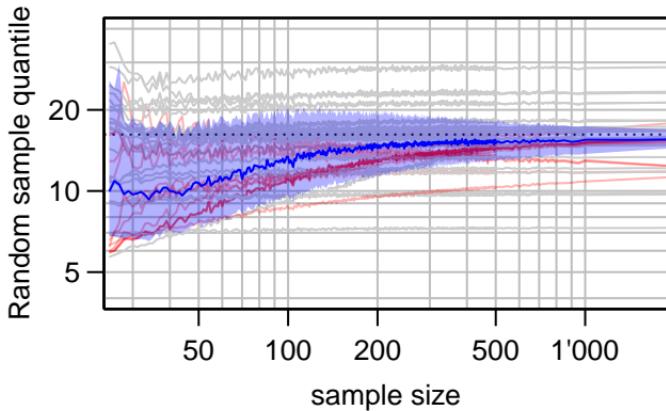


**kap**

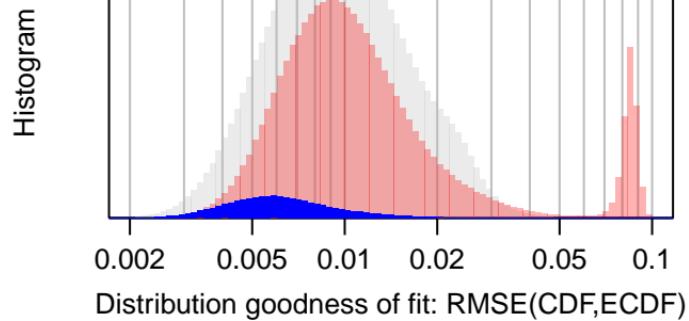
**0.31**      **bias 99%**



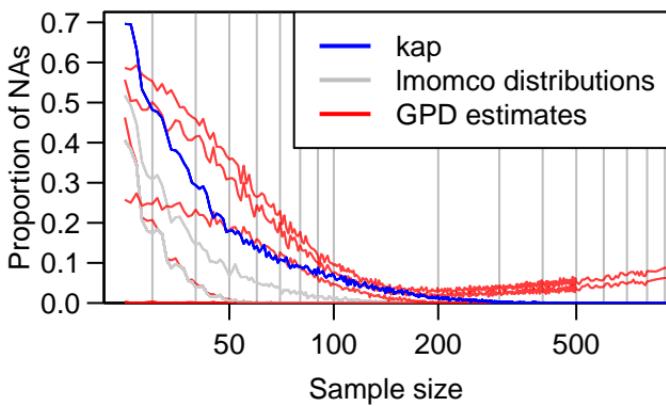
**bias 99.9%**



**0.006**      **gof**



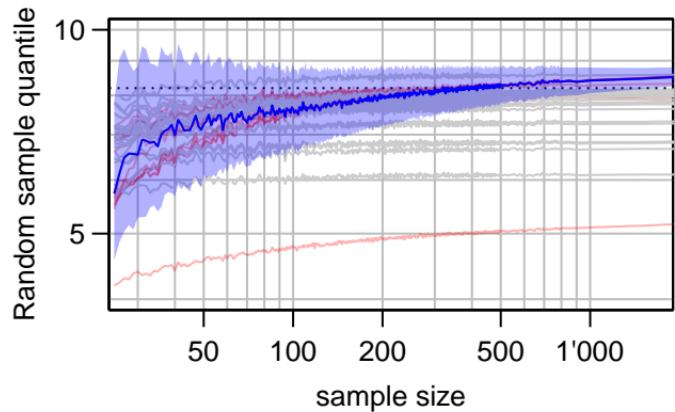
**3.71%**      **error**



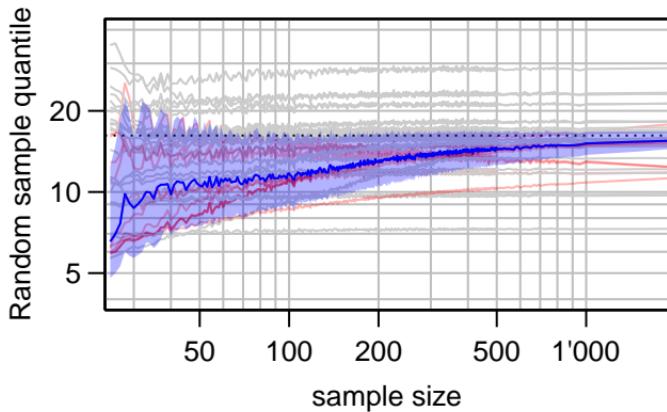
# GPD\_MLE\_fExtremes

0.3

bias 99%



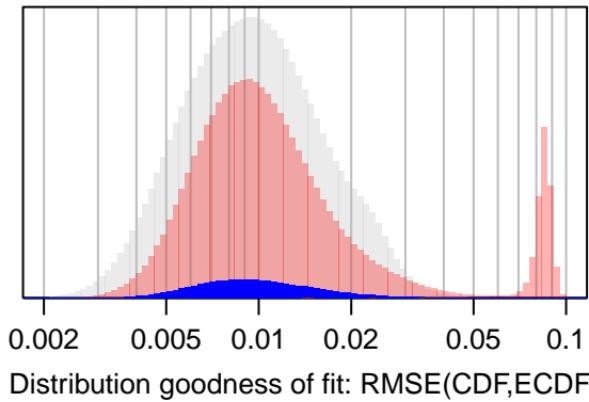
bias 99.9%



0.0095

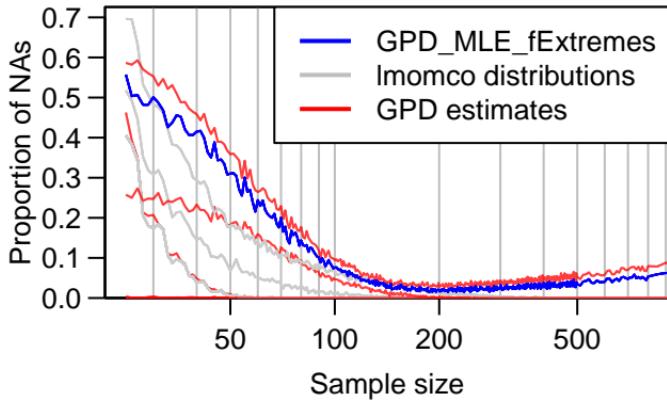
gof

Histogram



6.41%

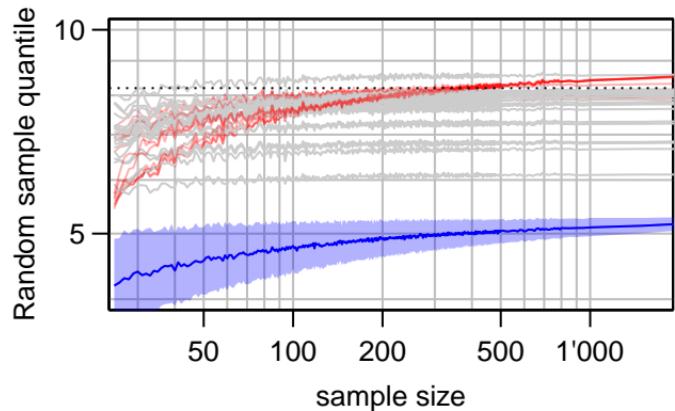
error



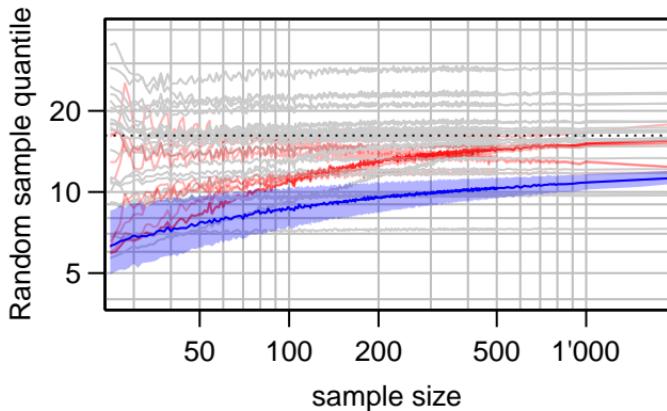
# GPD\_MLE\_Renext\_2par

**0.33**

**bias 99%**



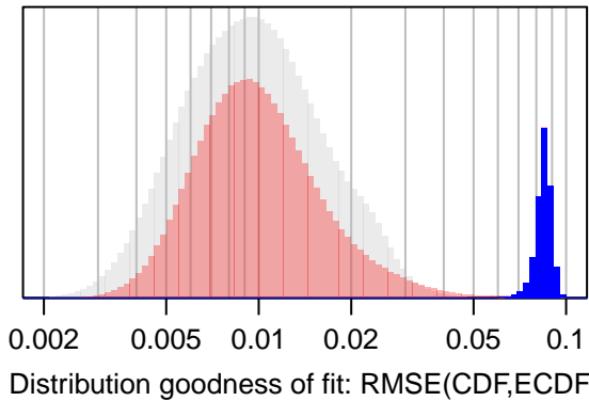
**bias 99.9%**



**0.0849**

**gof**

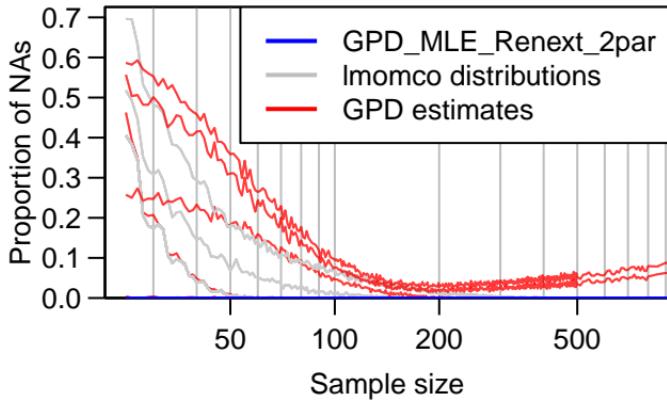
Histogram



Distribution goodness of fit: RMSE(CDF,ECDF)

**0%**

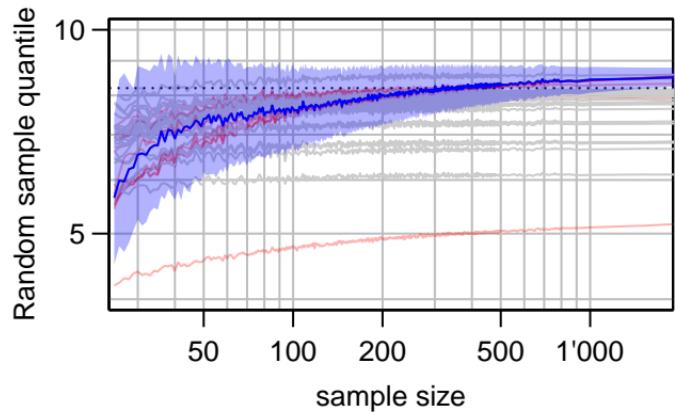
**error**



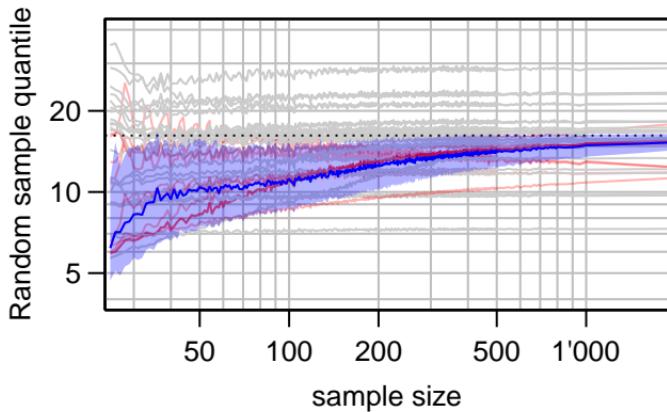
Sample size

# GPD\_MLE\_evir

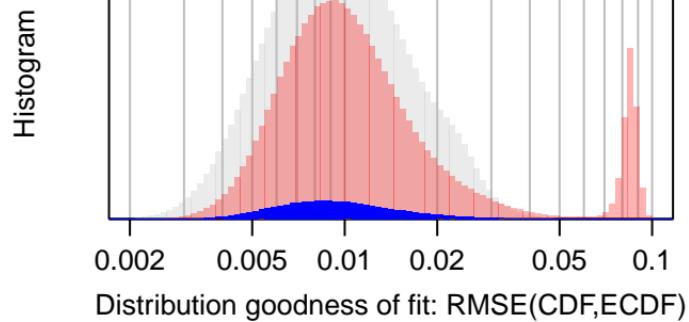
0.3      bias 99%



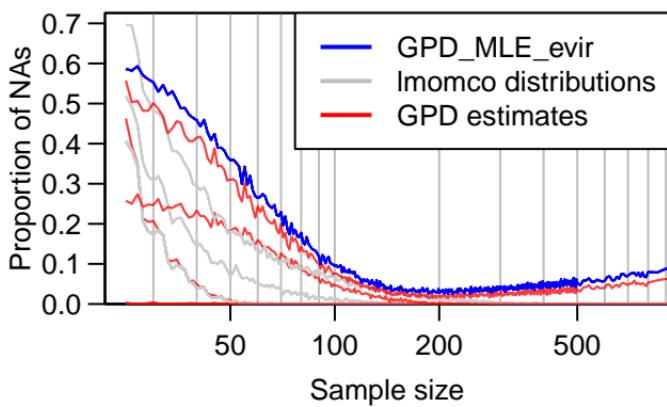
bias 99.9%



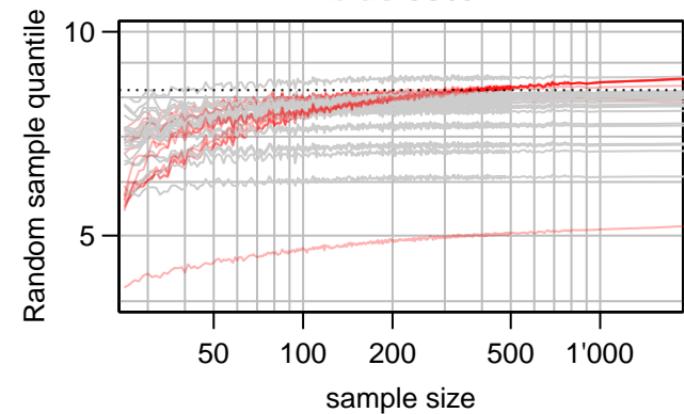
0.0092      gof



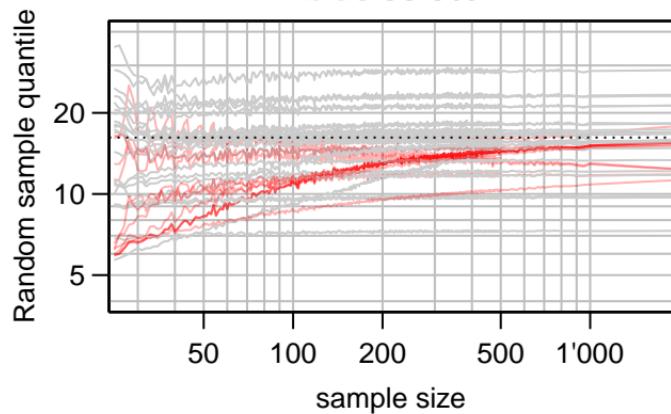
8.3%      error



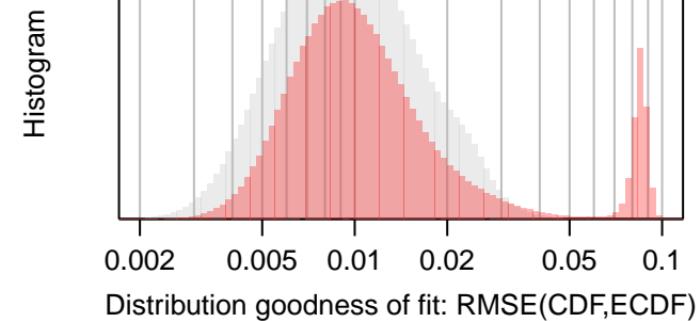
**bias 99%**



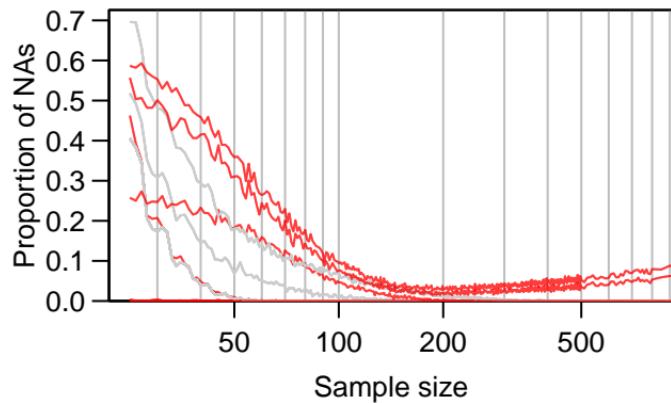
**bias 99.9%**

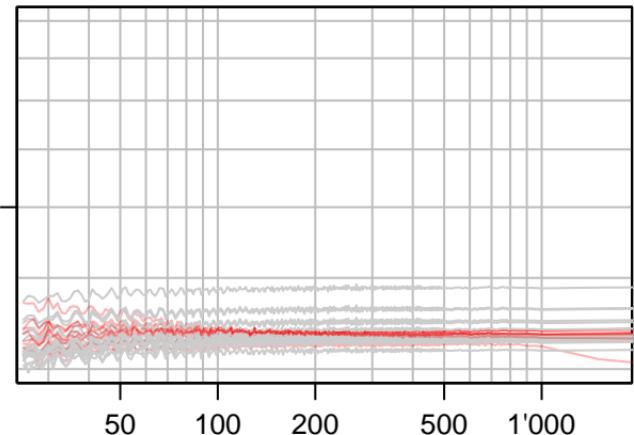
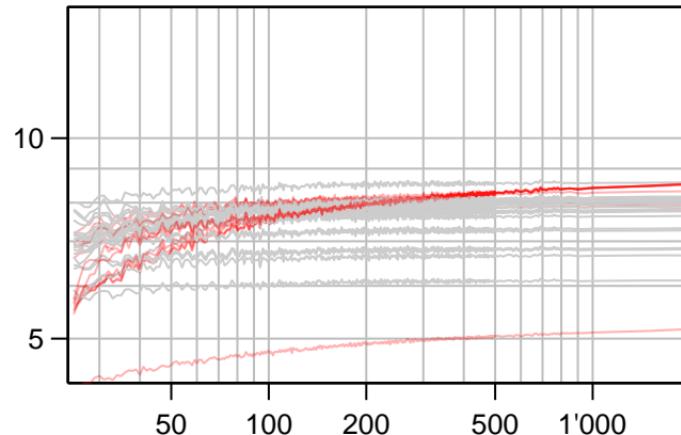
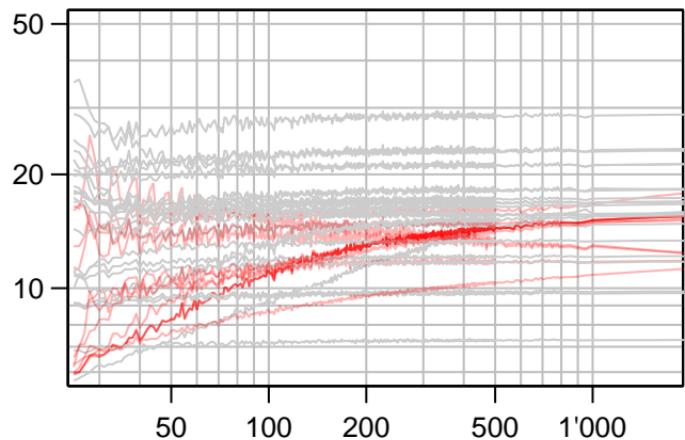


**gof**



**error**



**bias 90%****bias 99%****bias 99.9%****bias 99.99%**