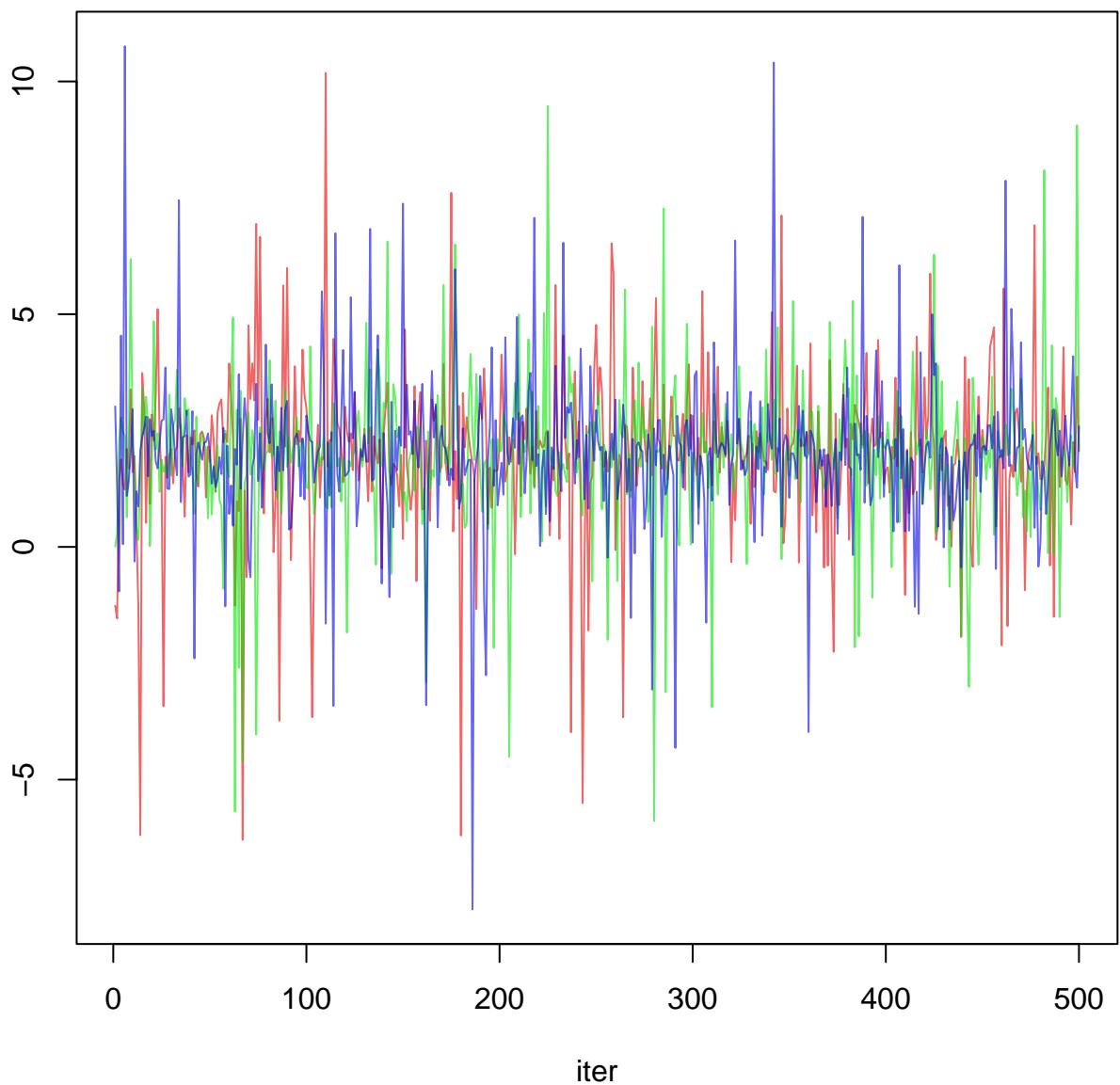
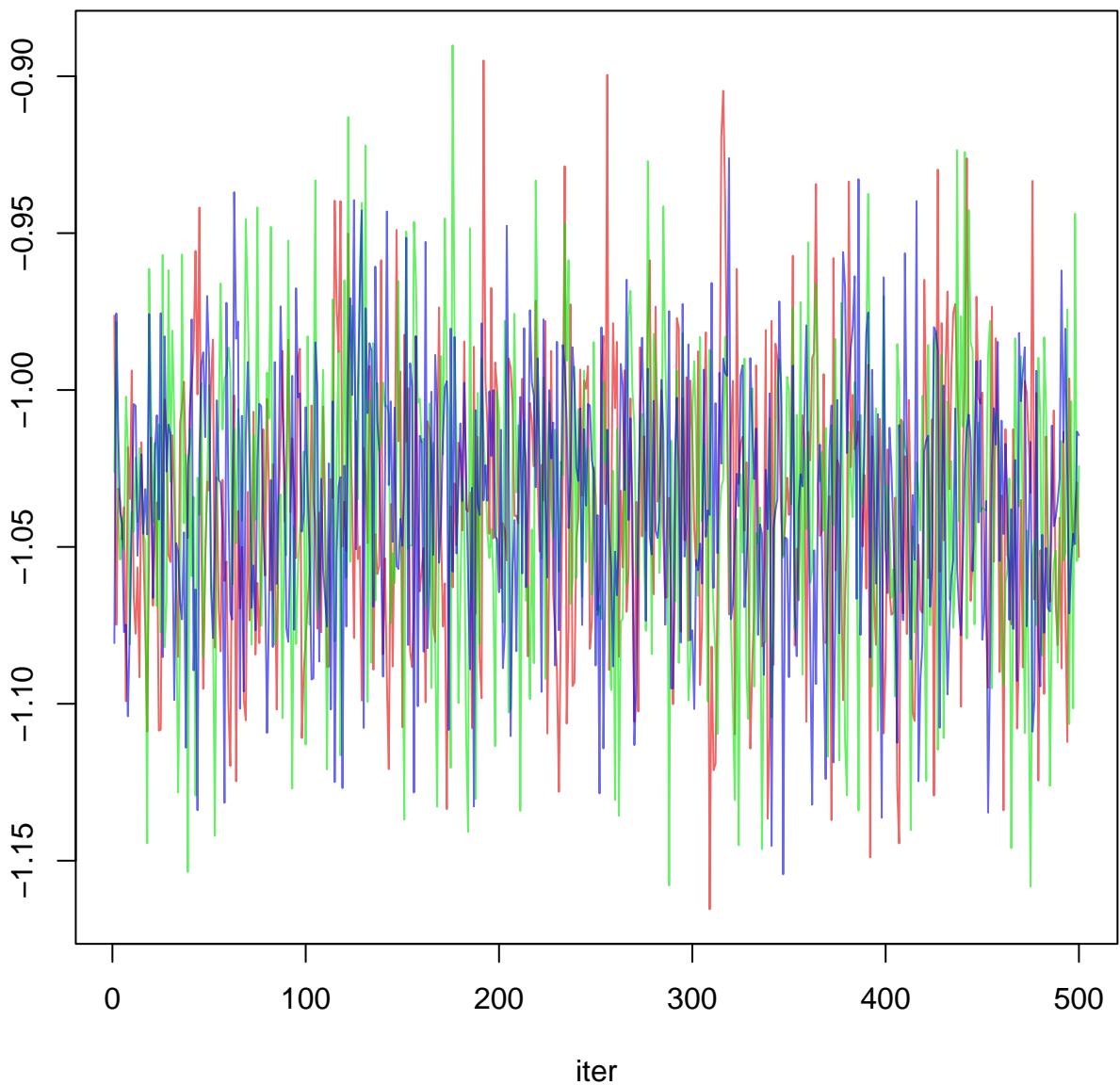


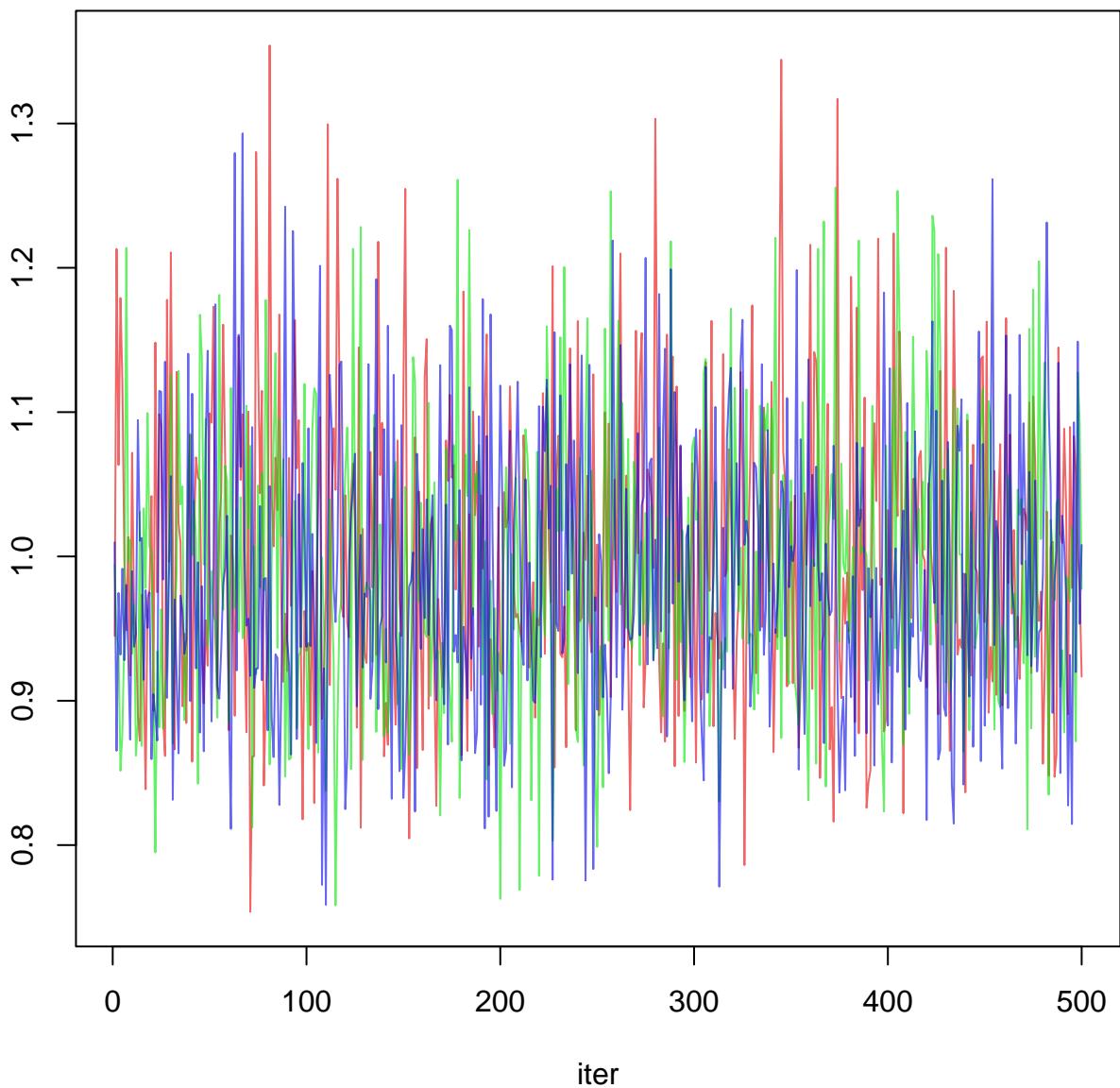
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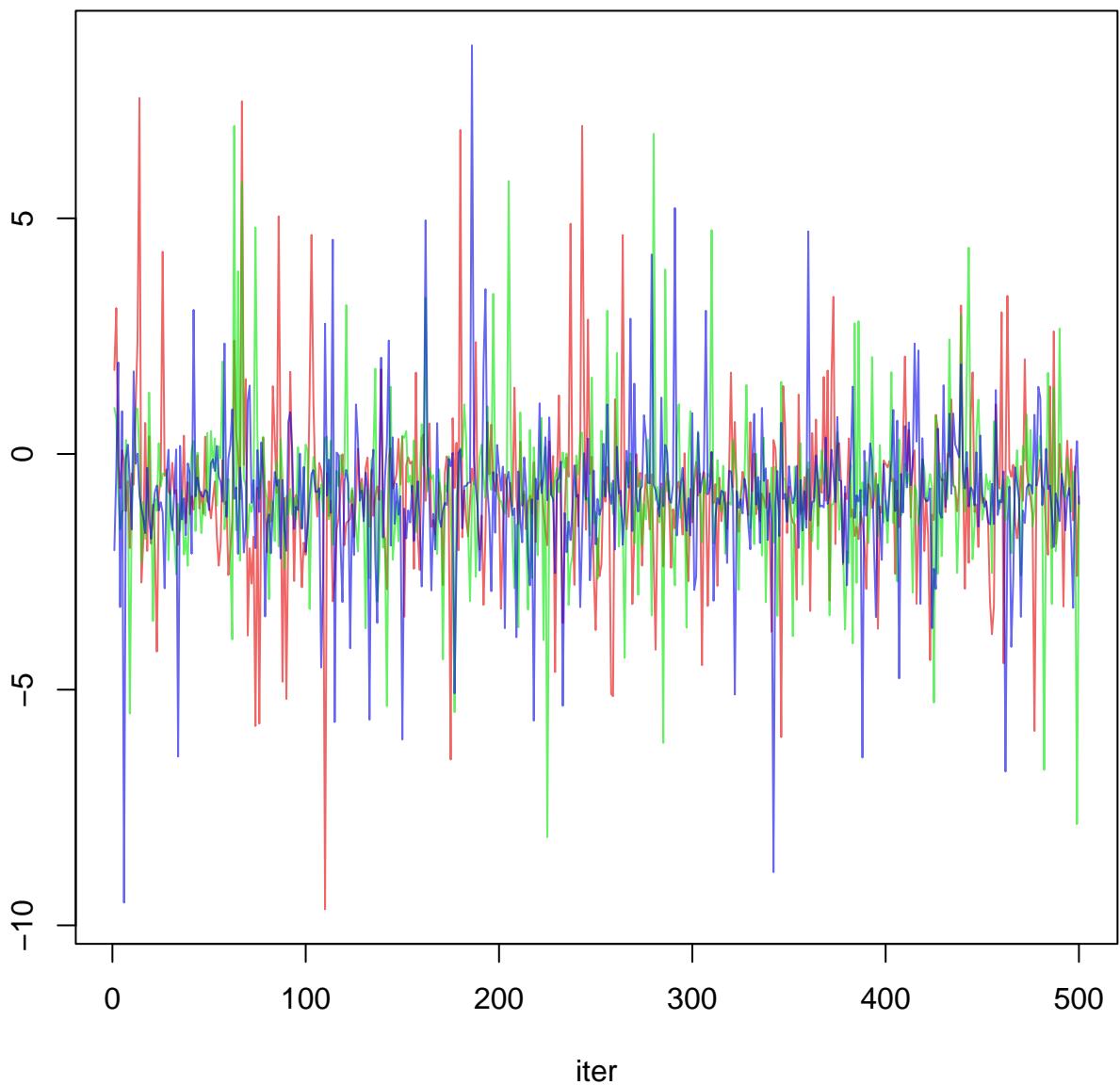
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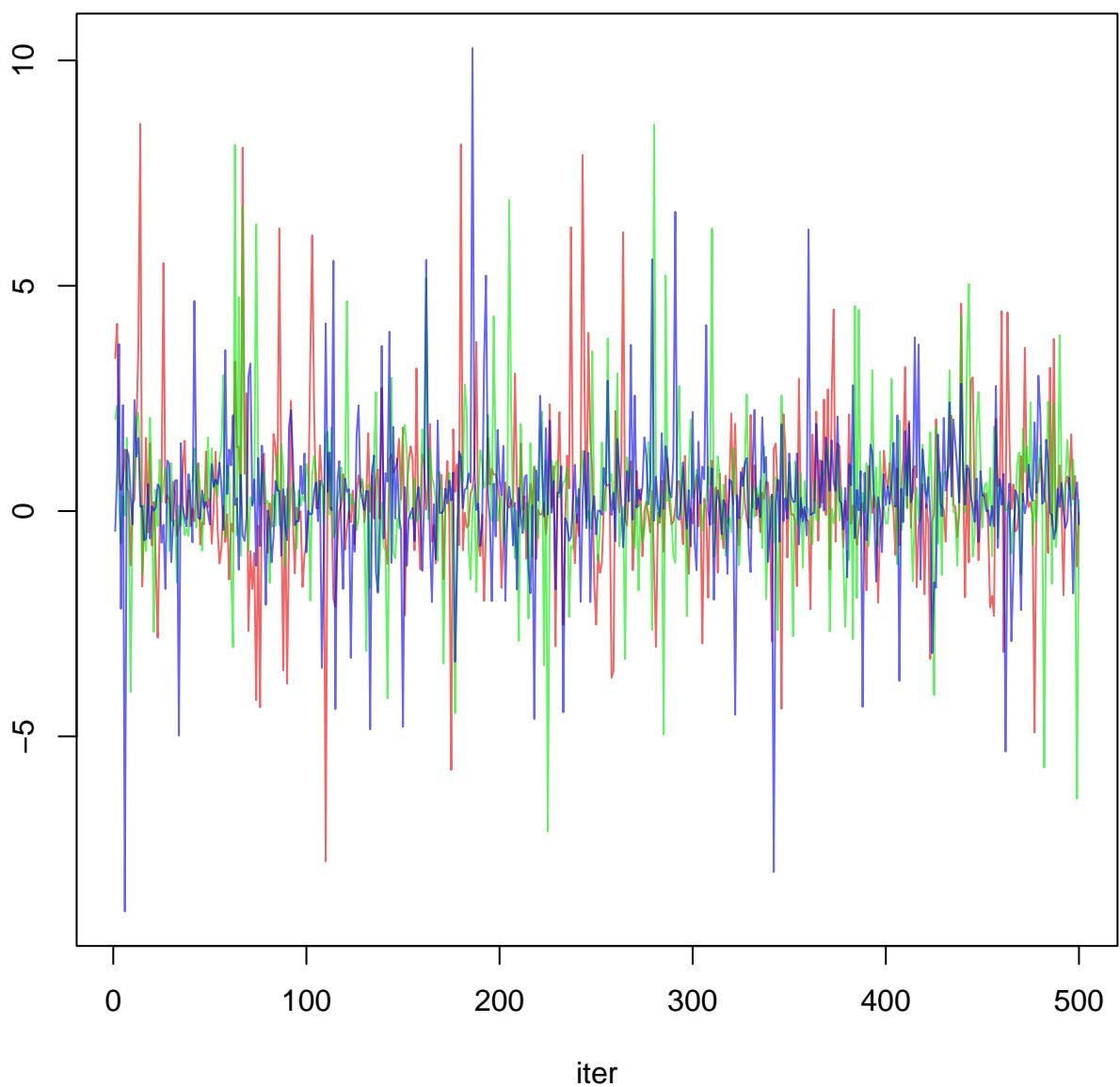
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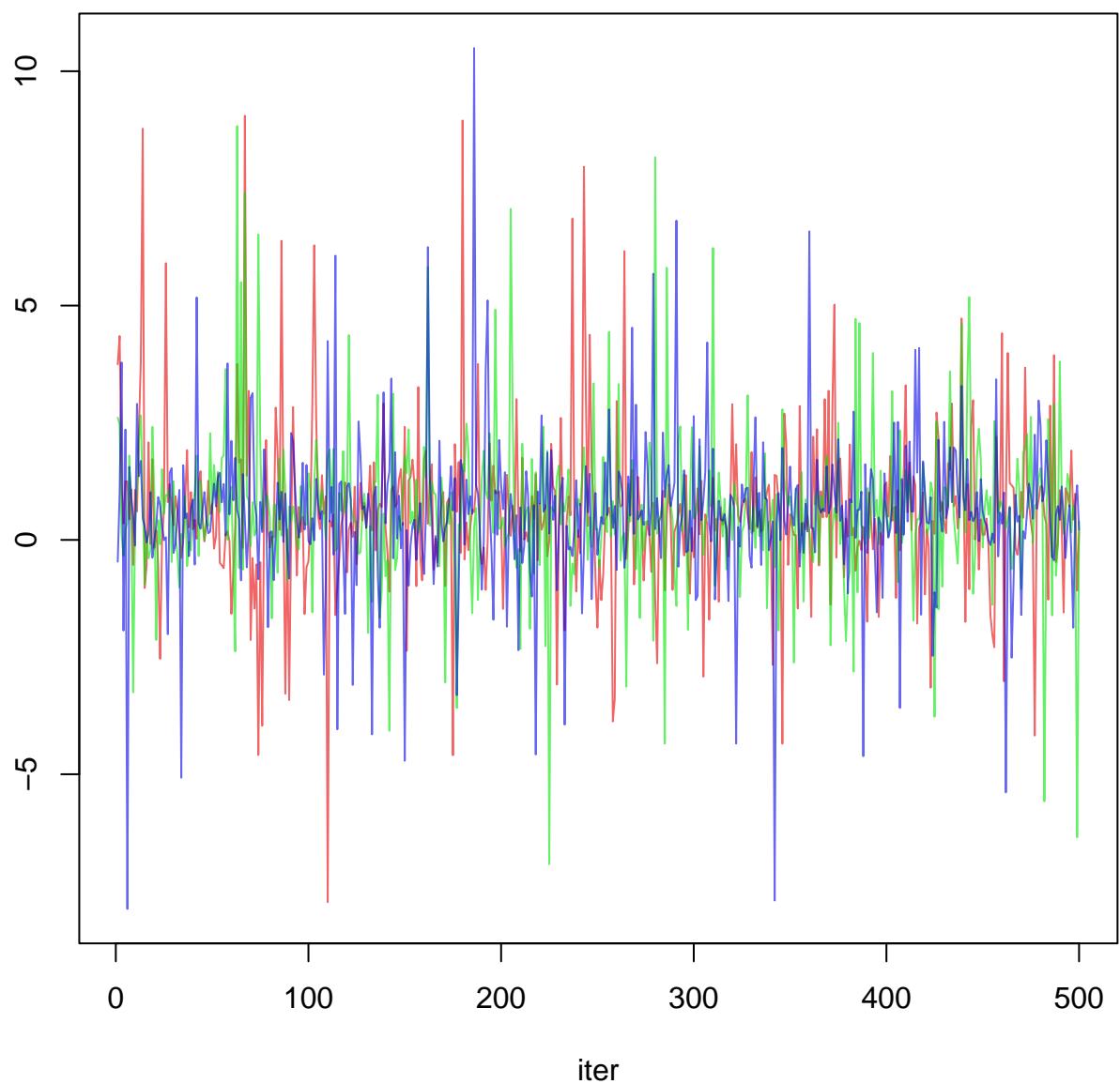
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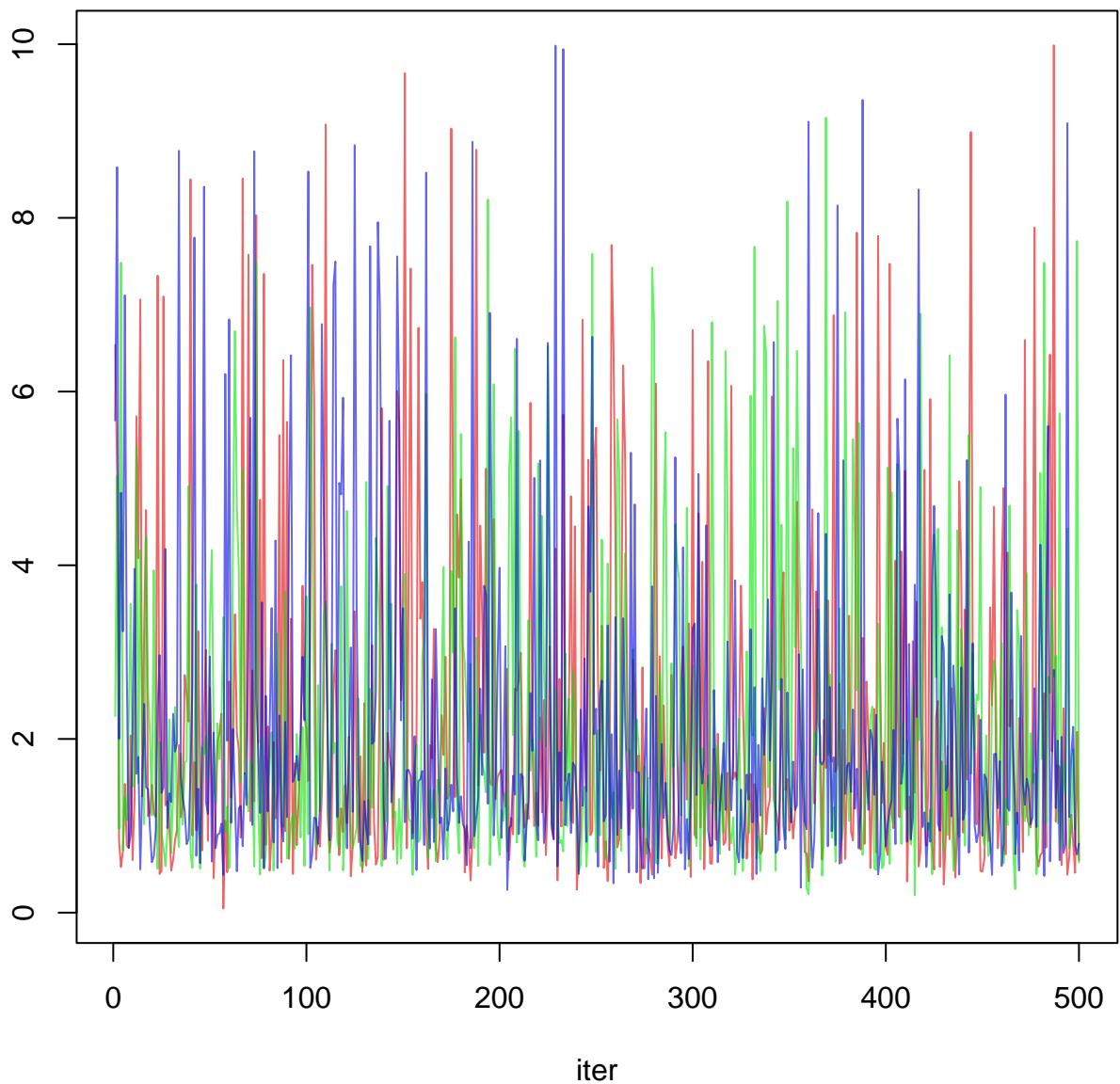
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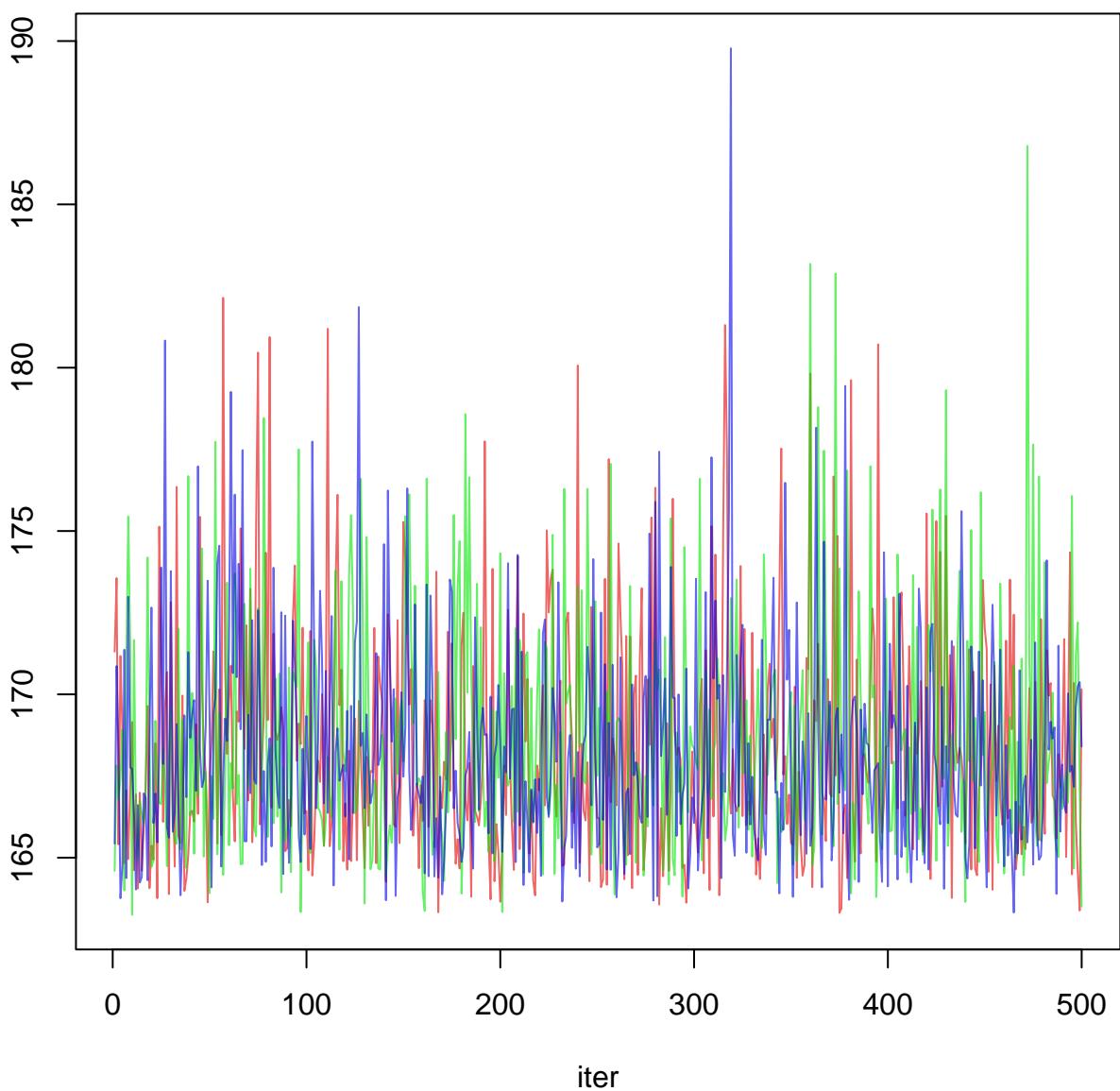
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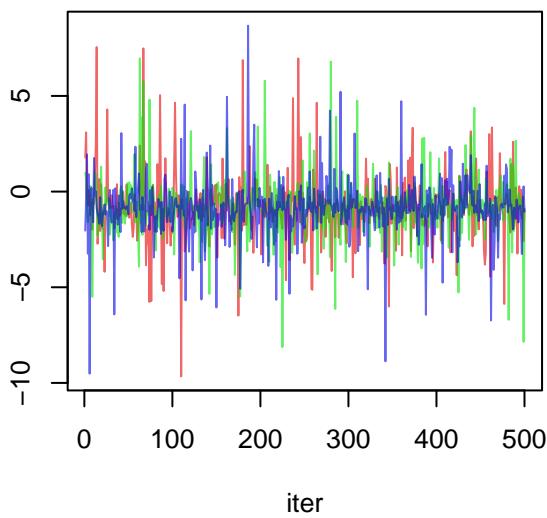
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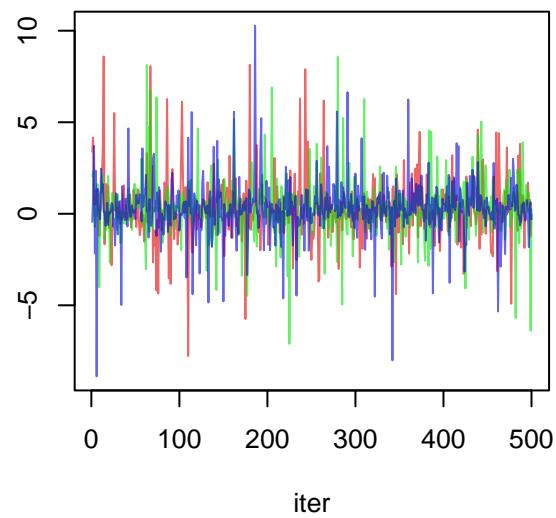
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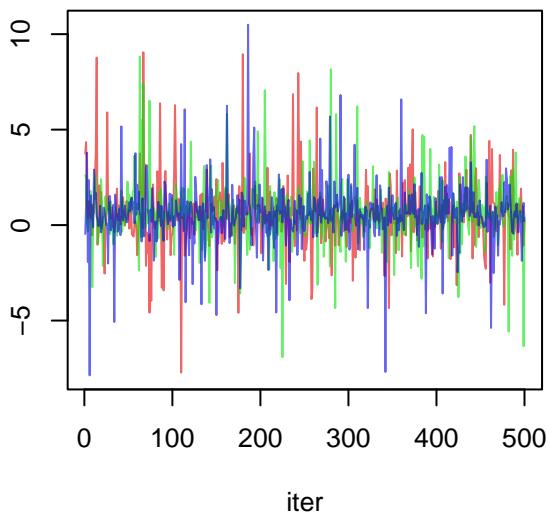
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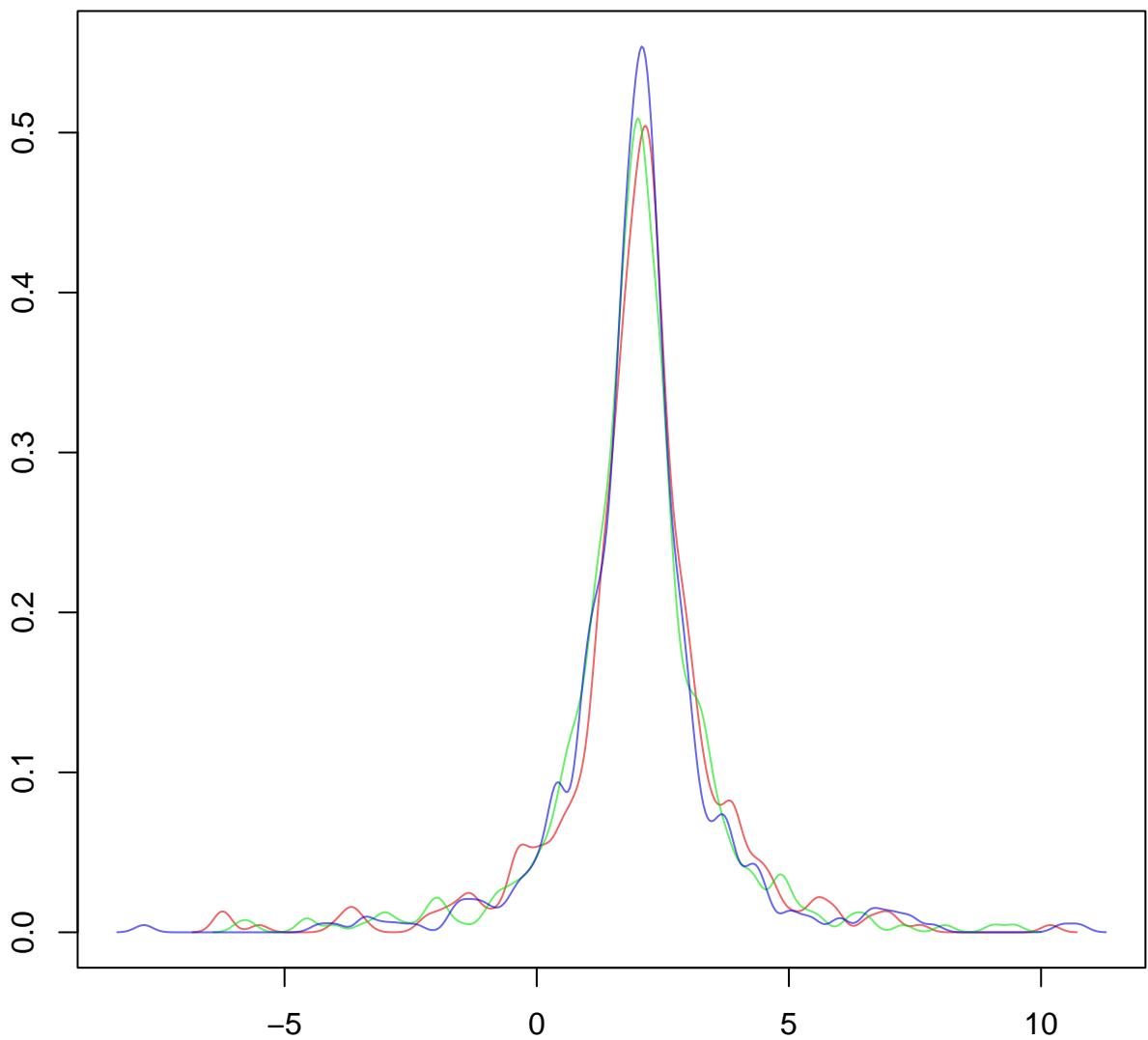
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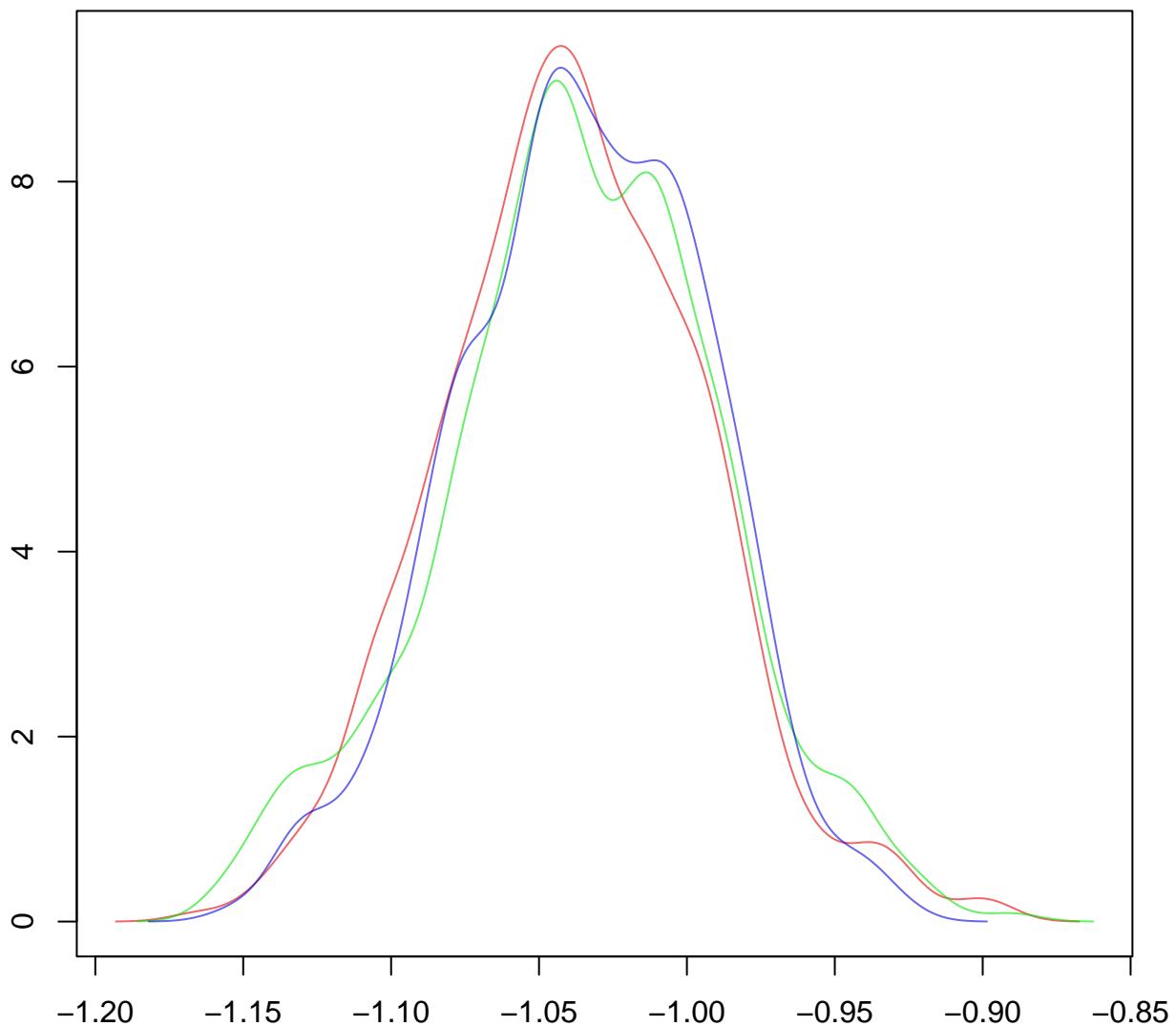
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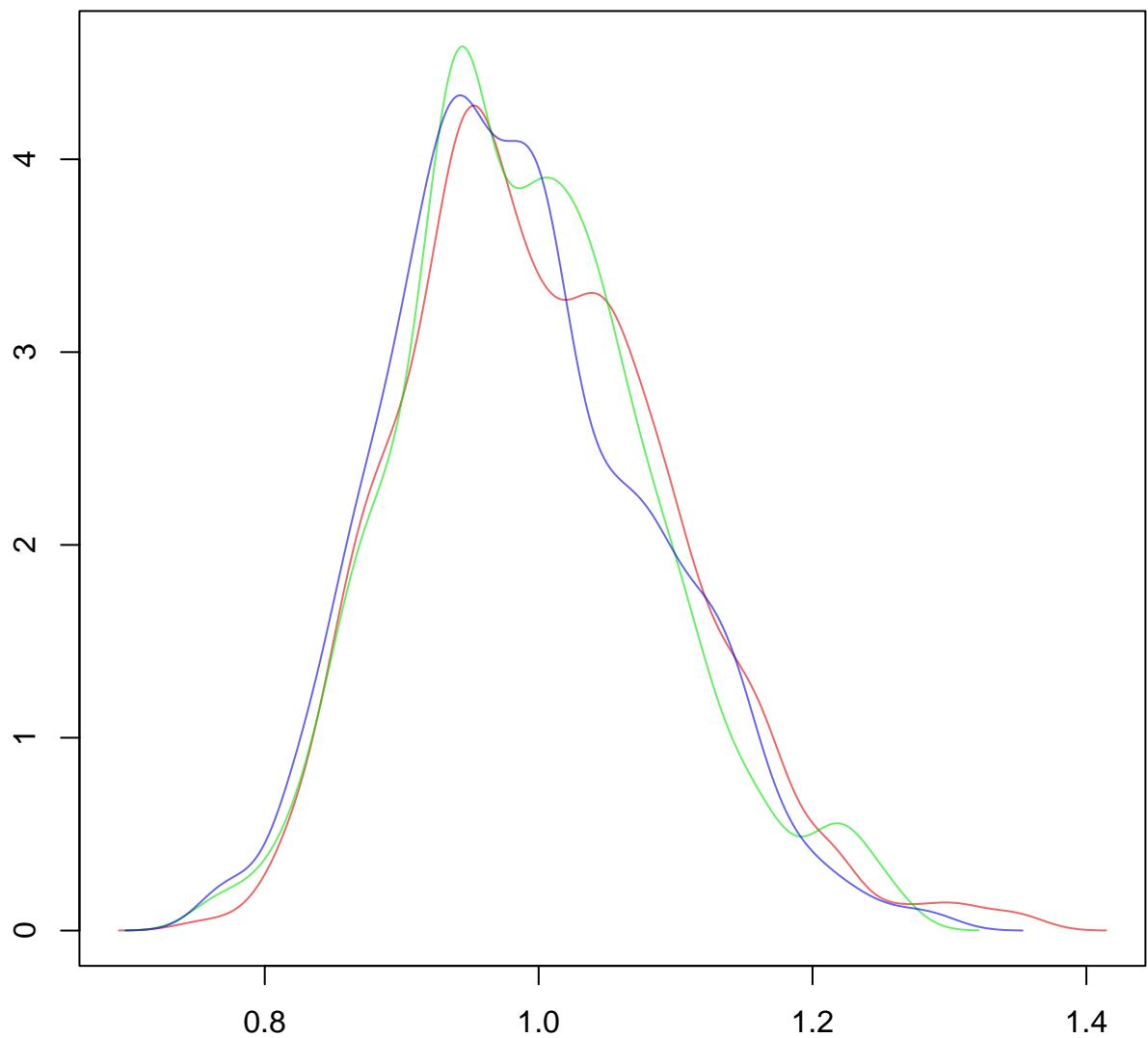
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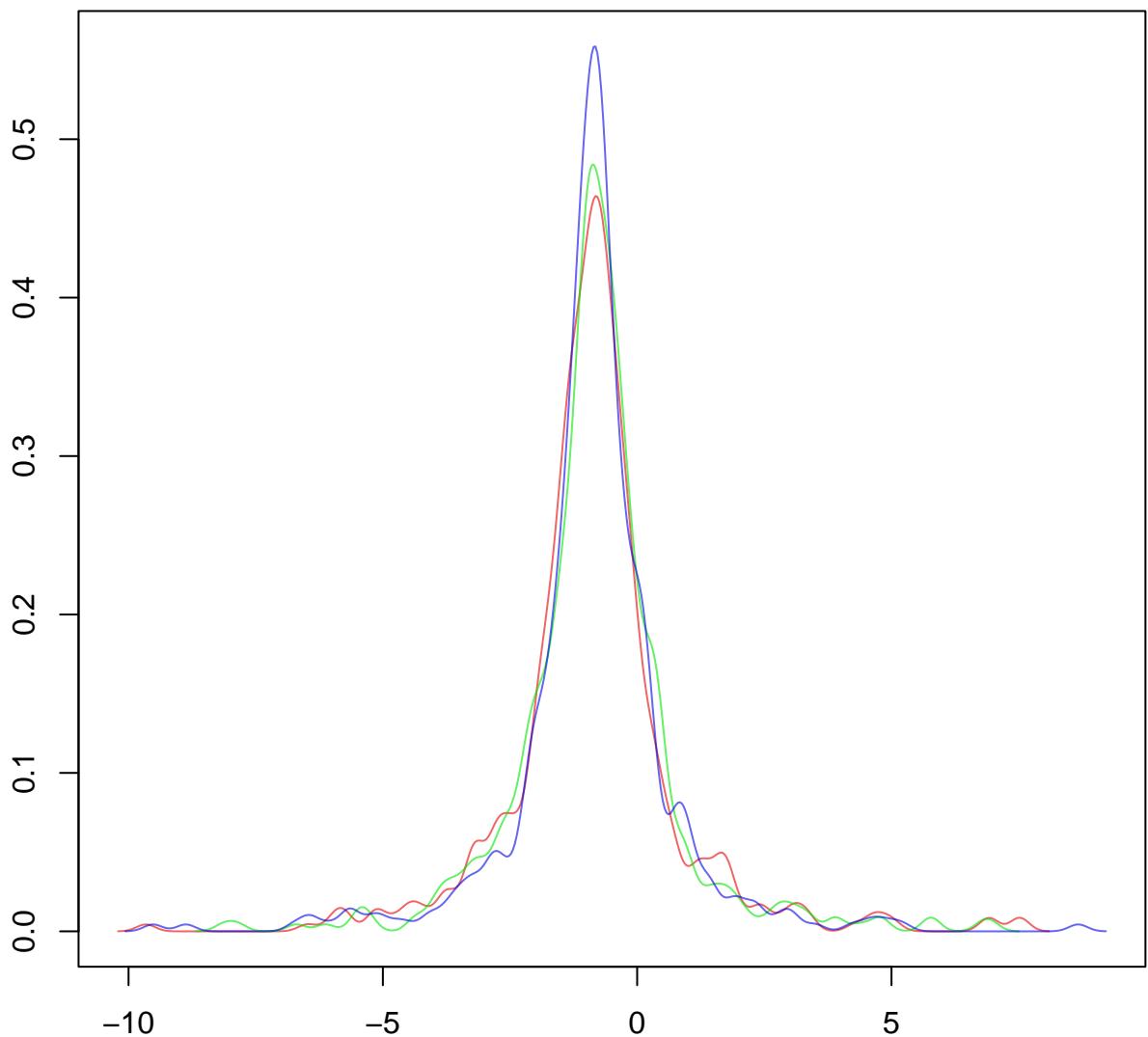
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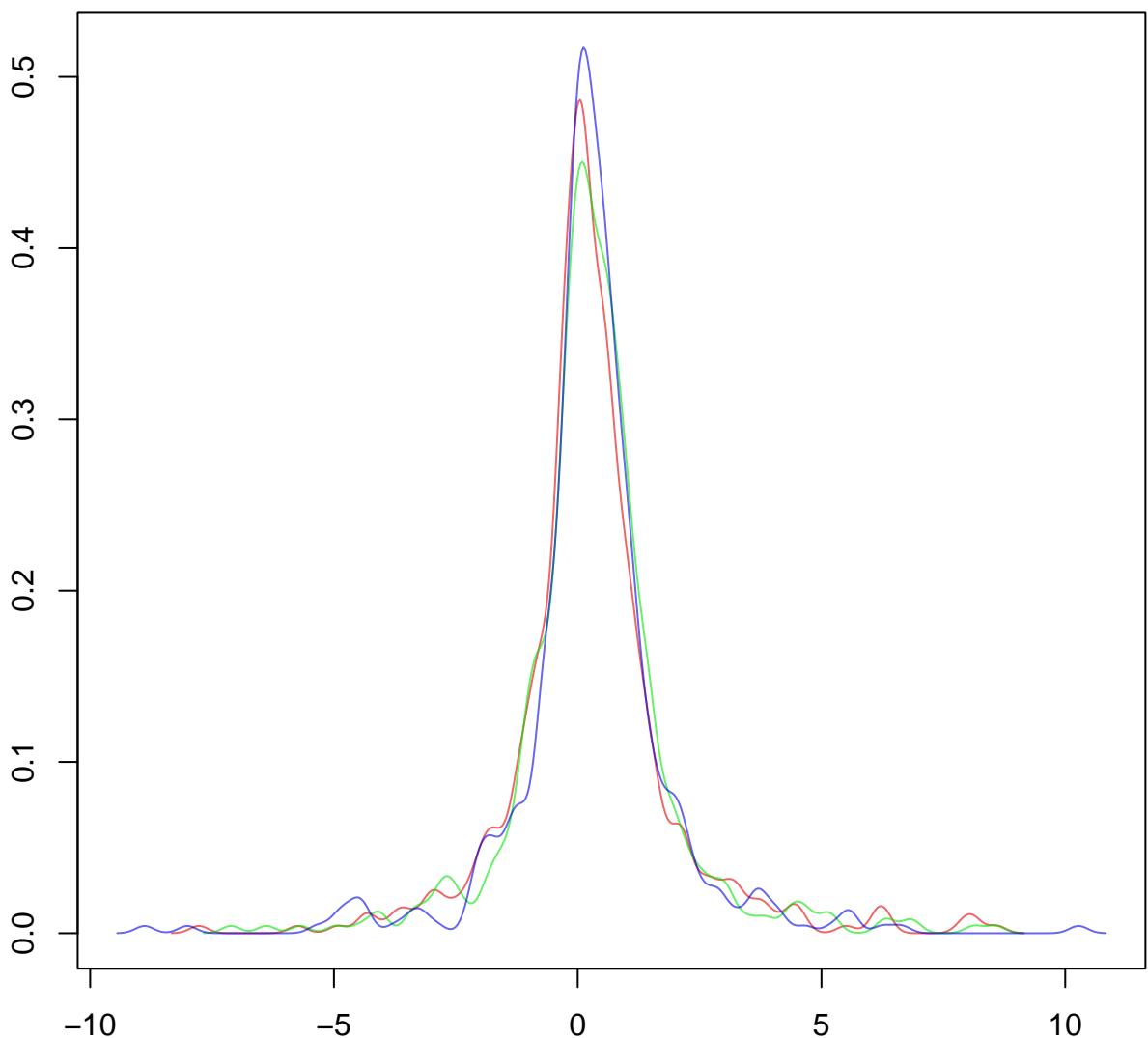
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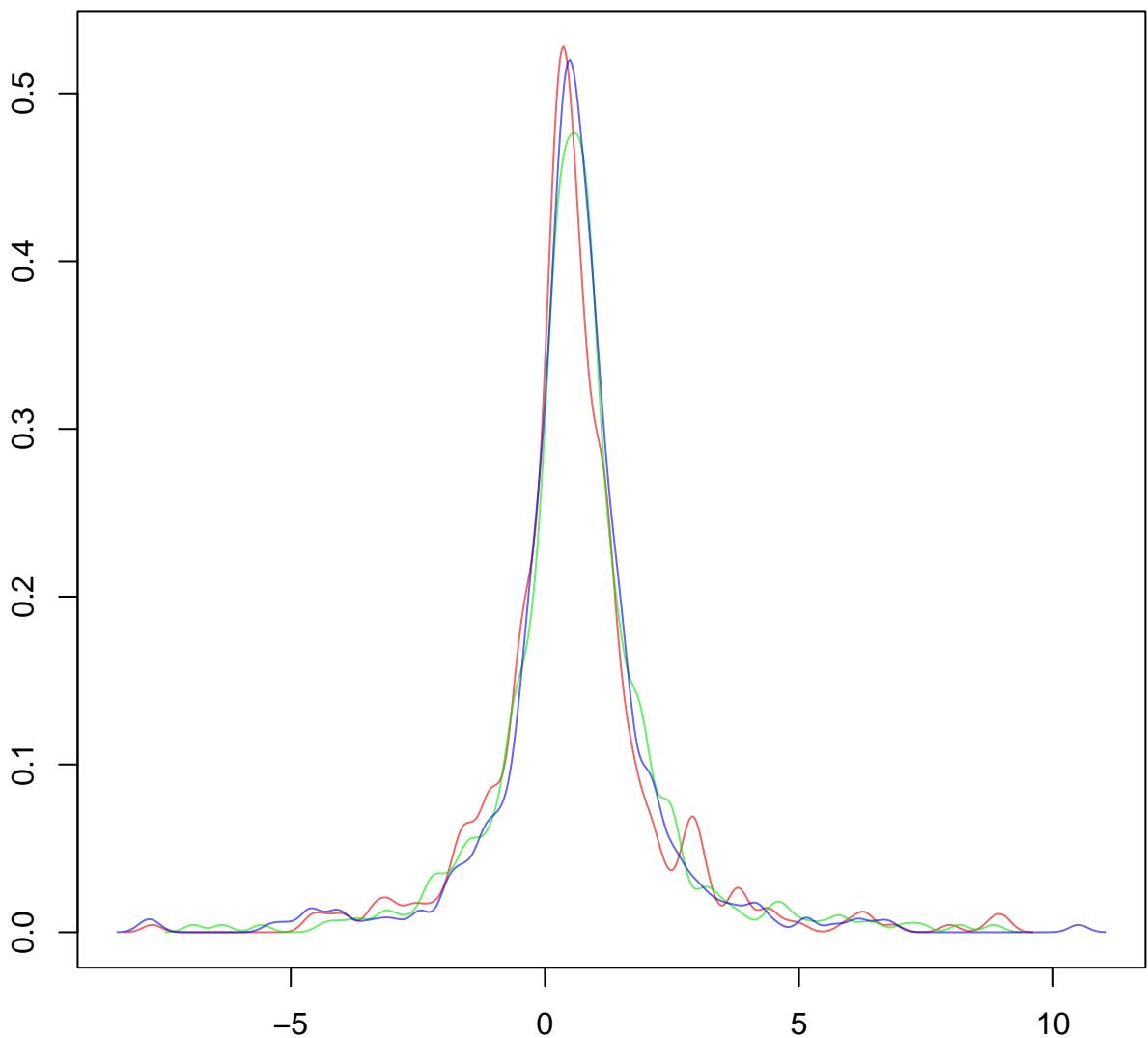
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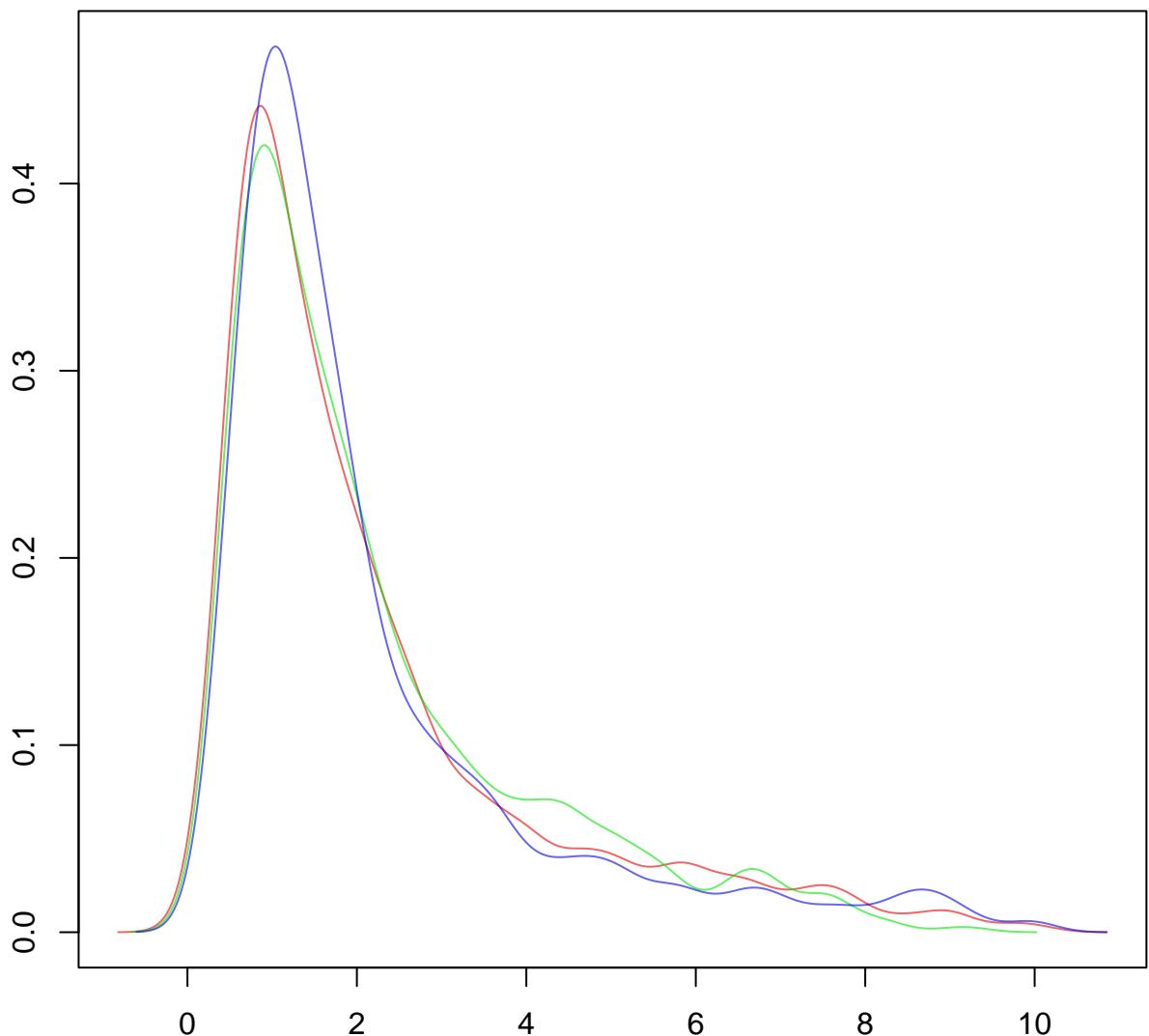
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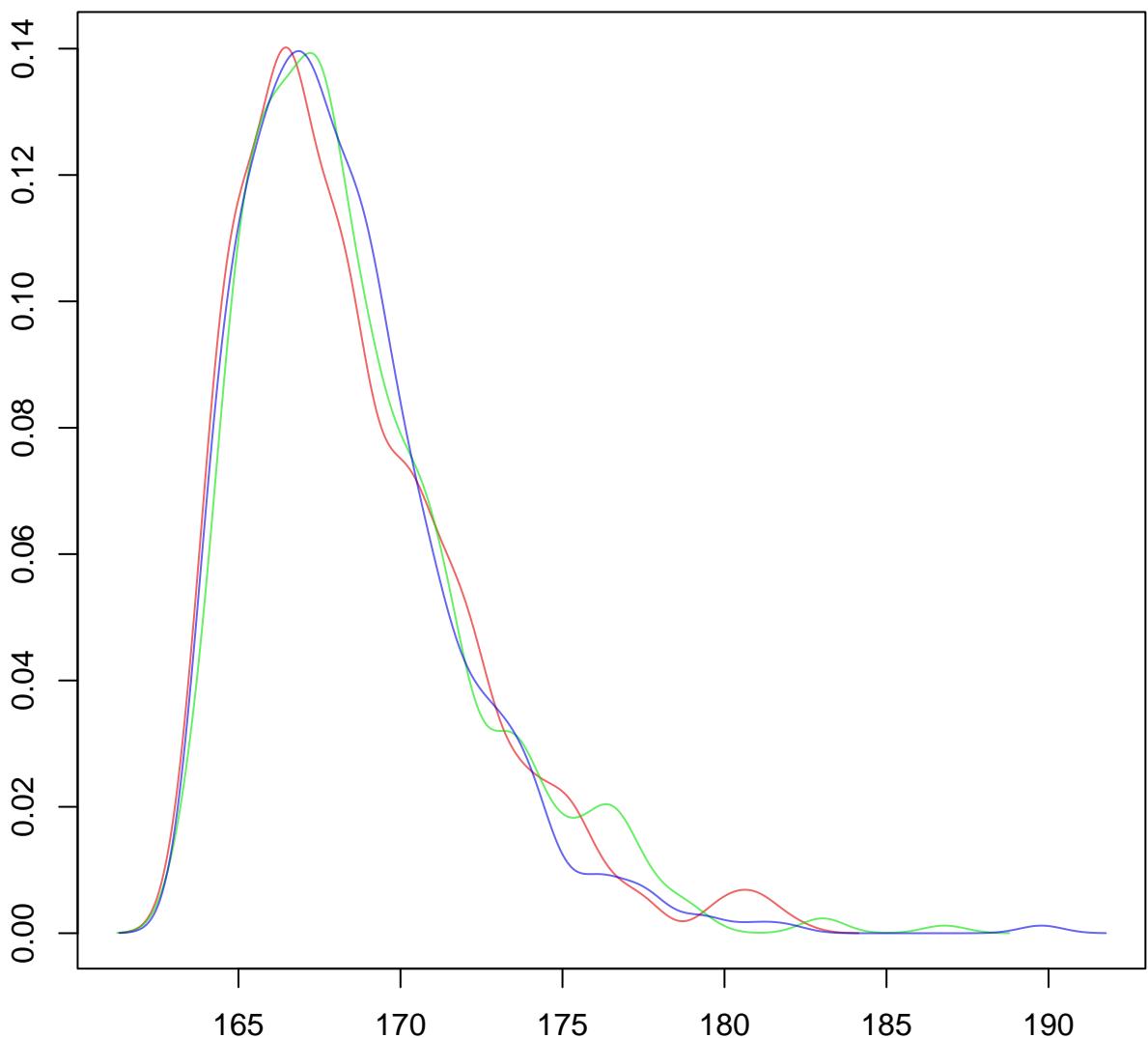
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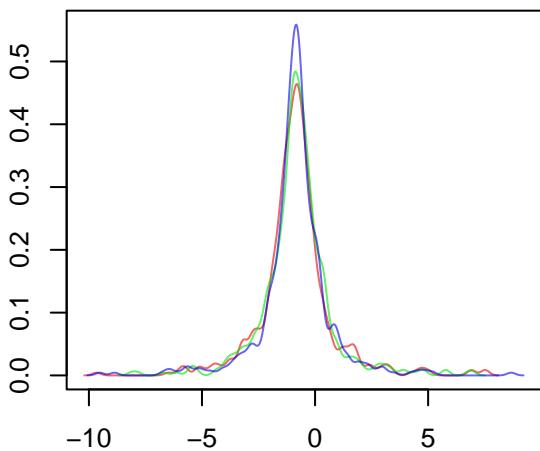
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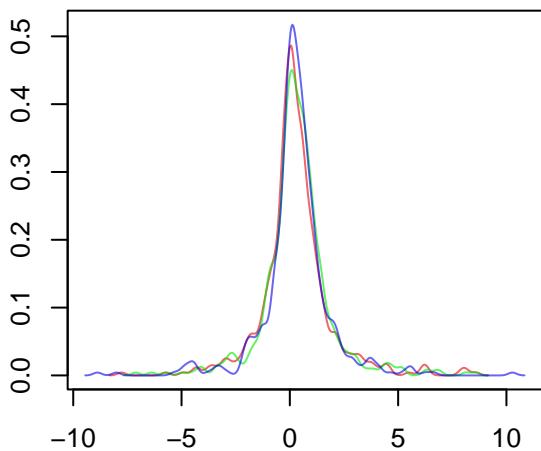
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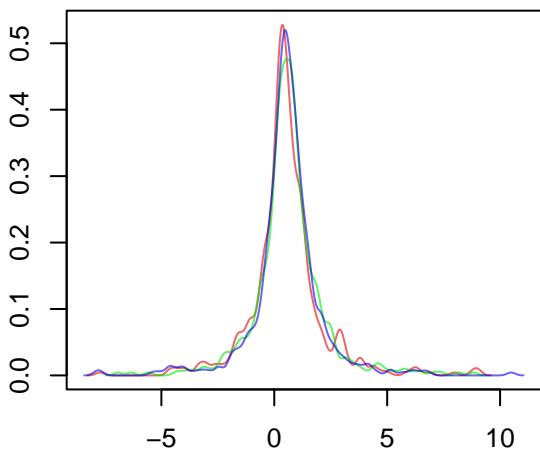
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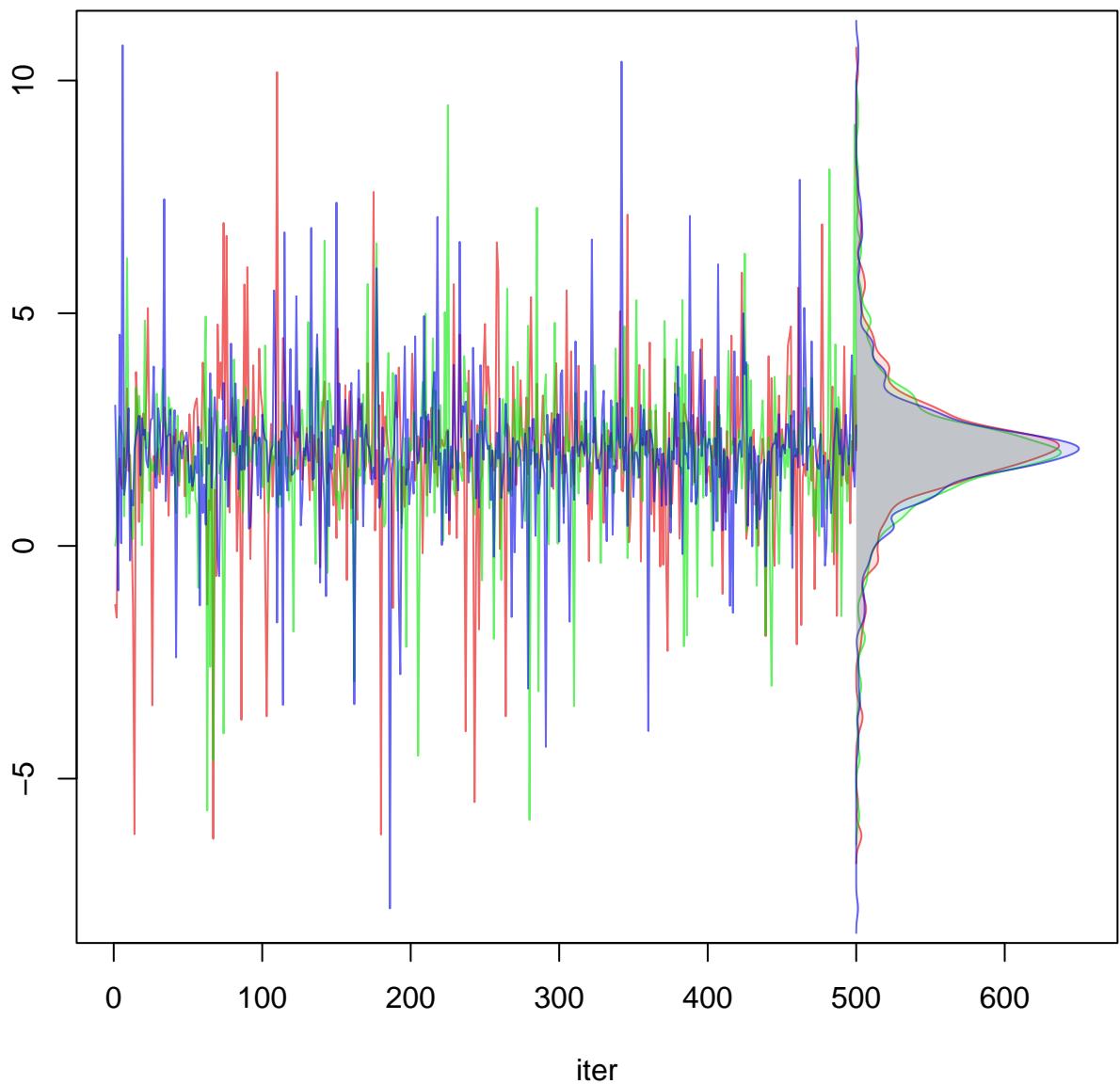
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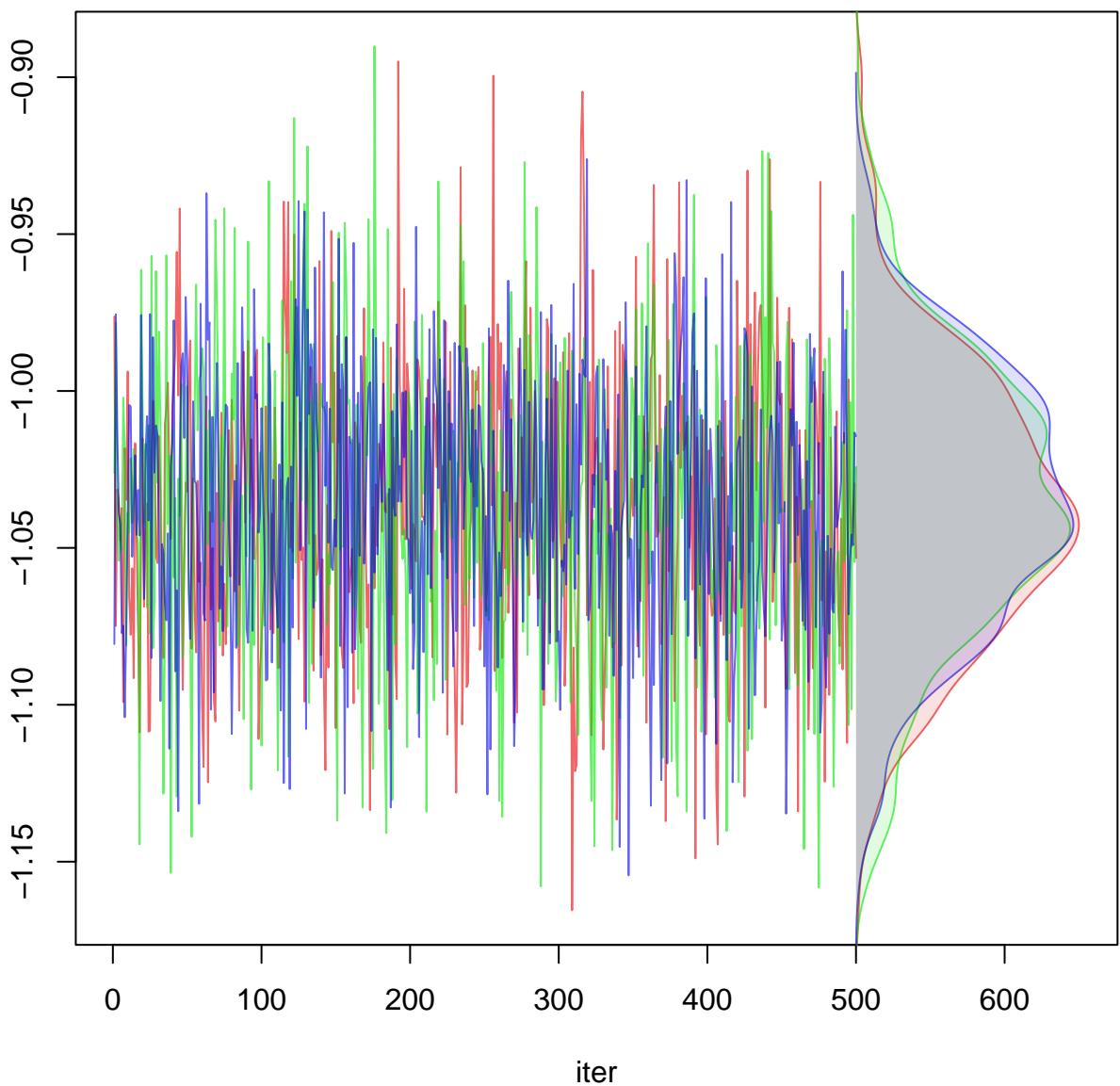
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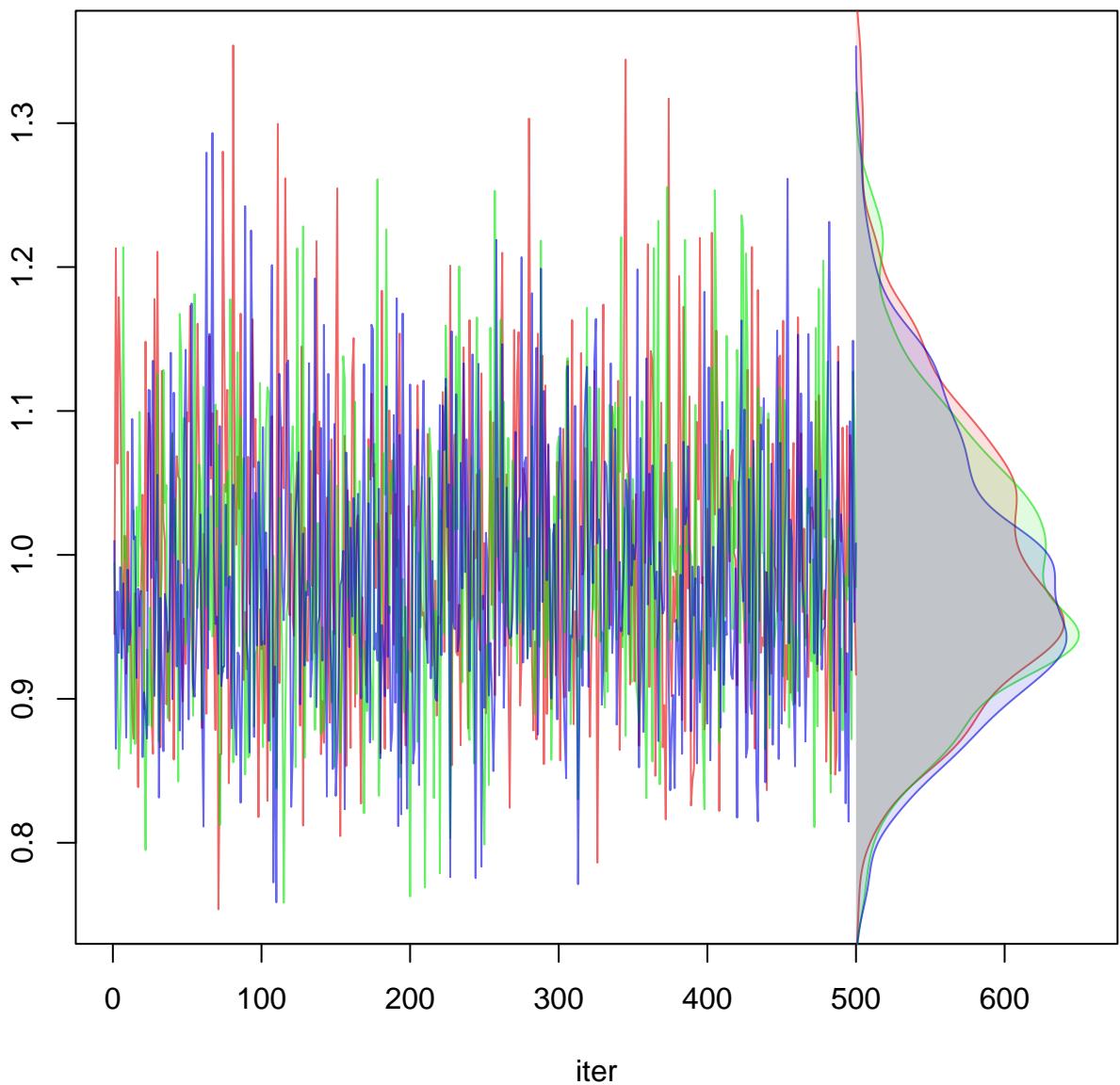
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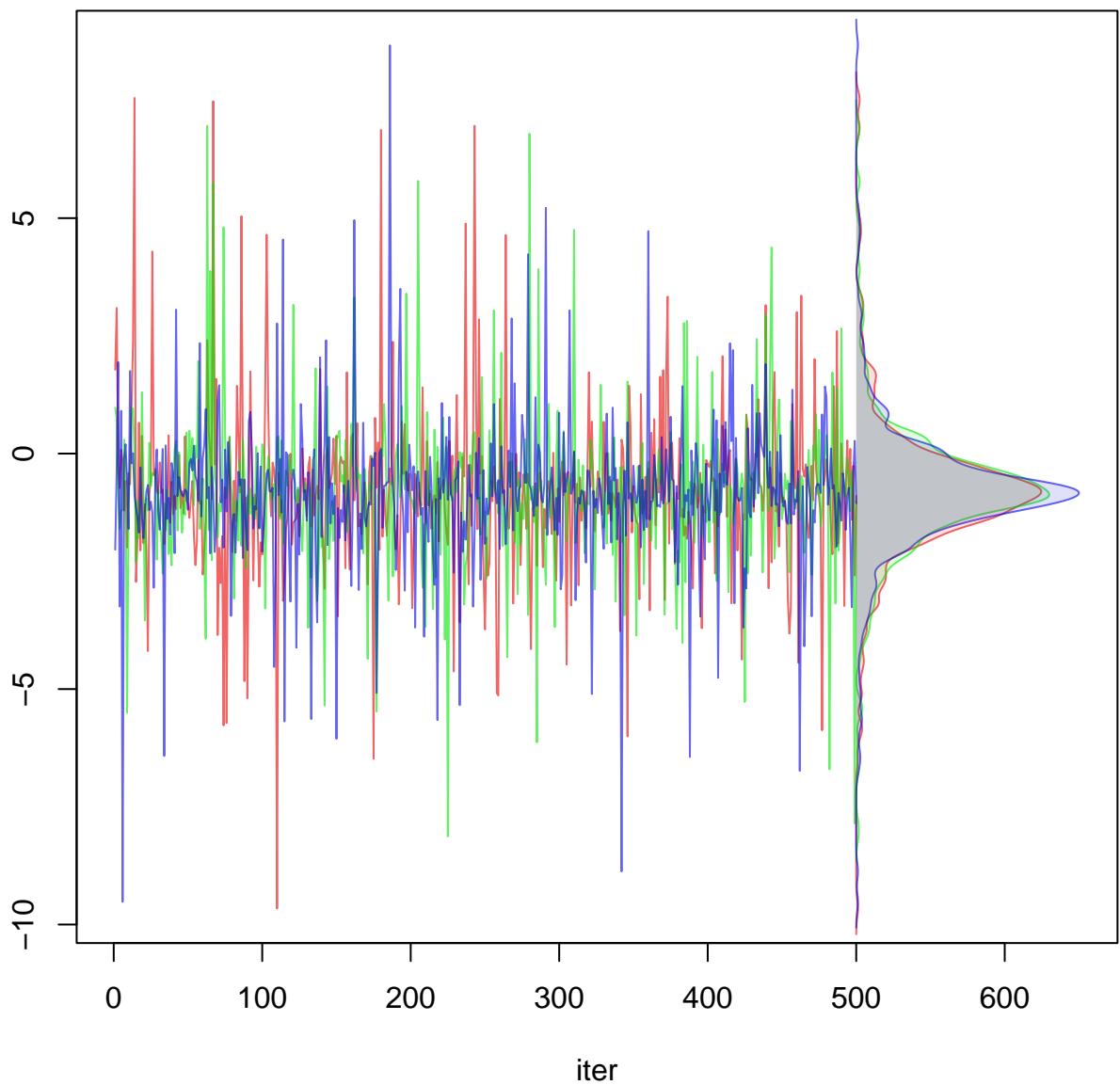
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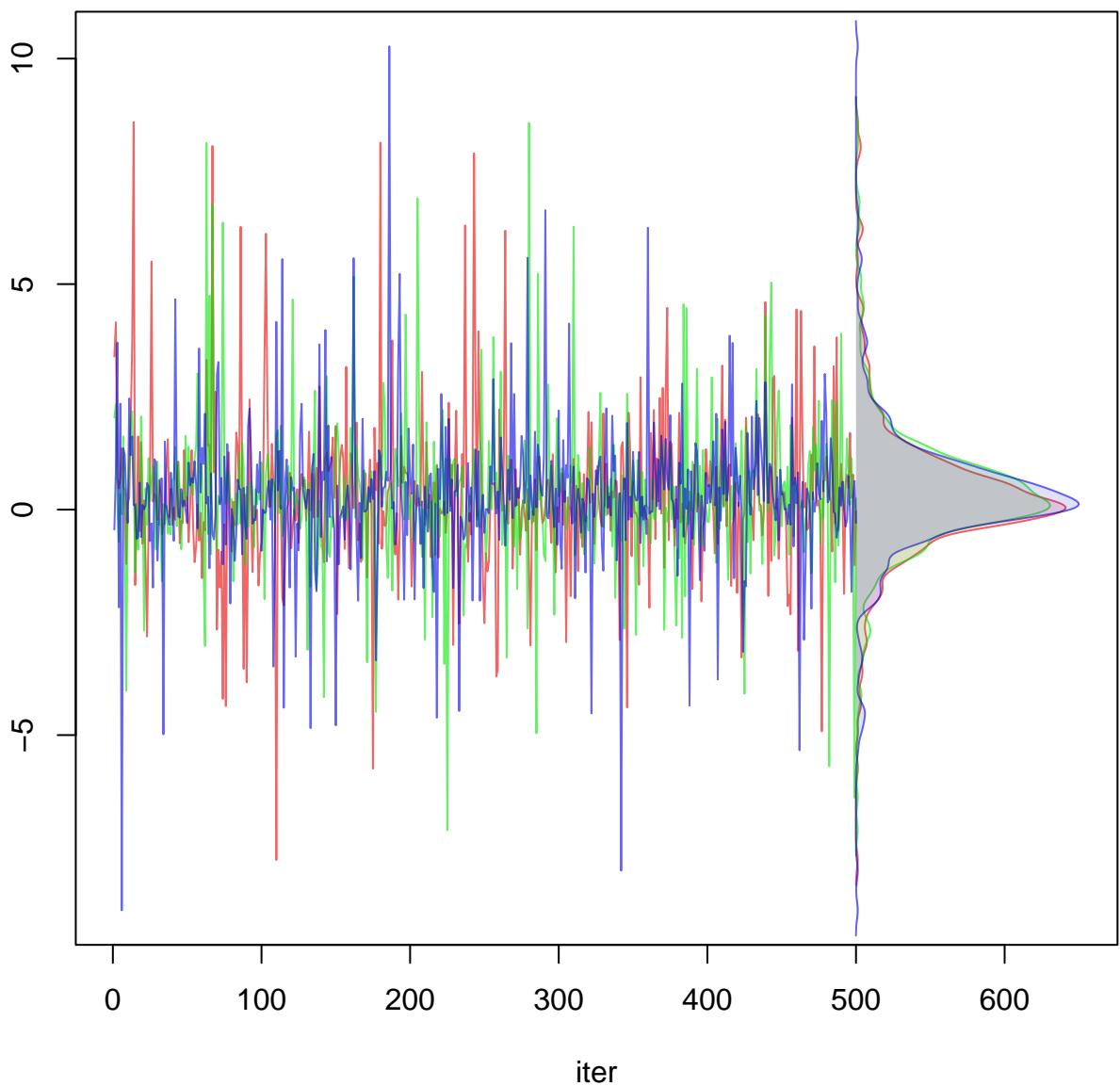
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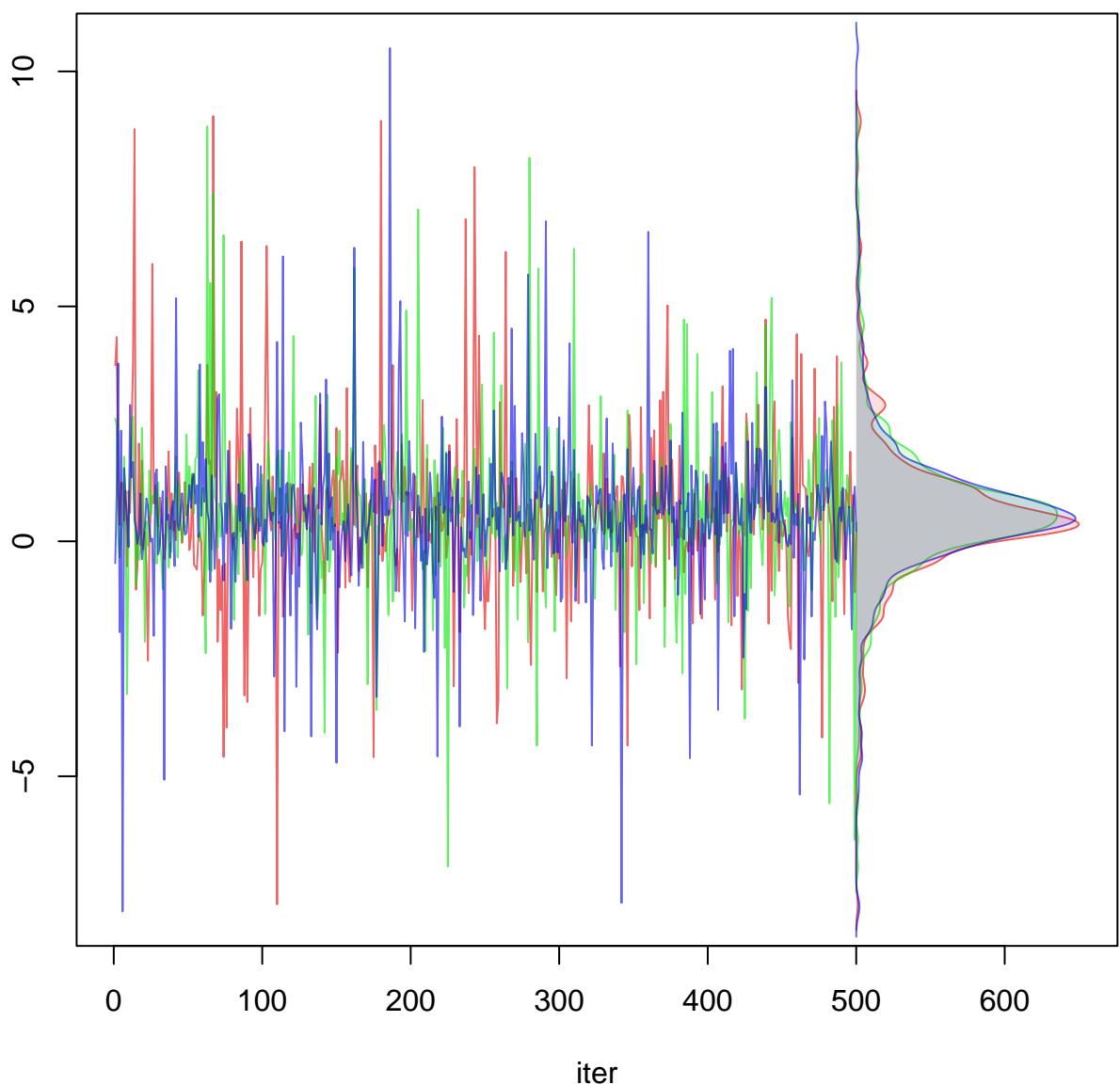
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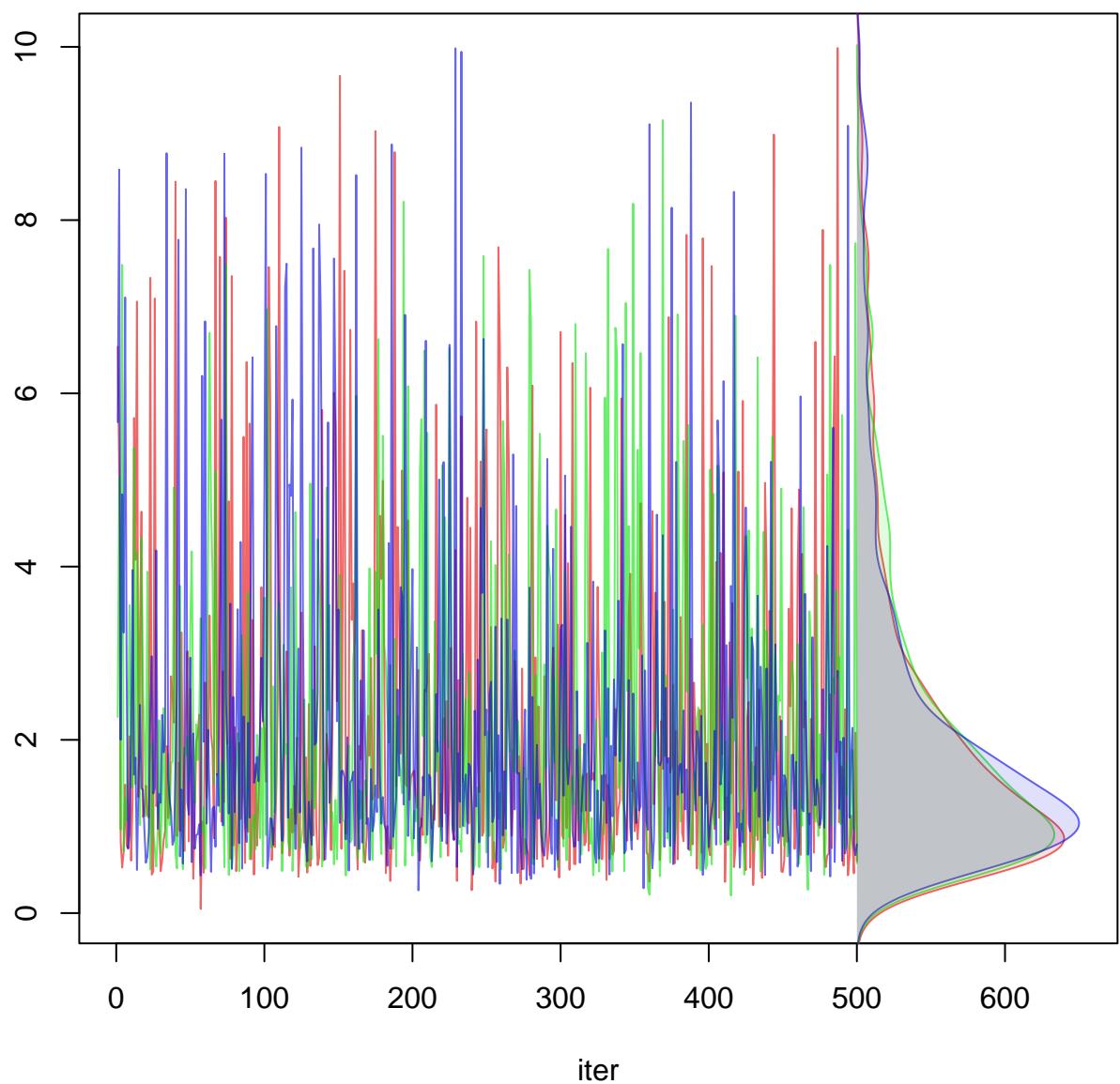
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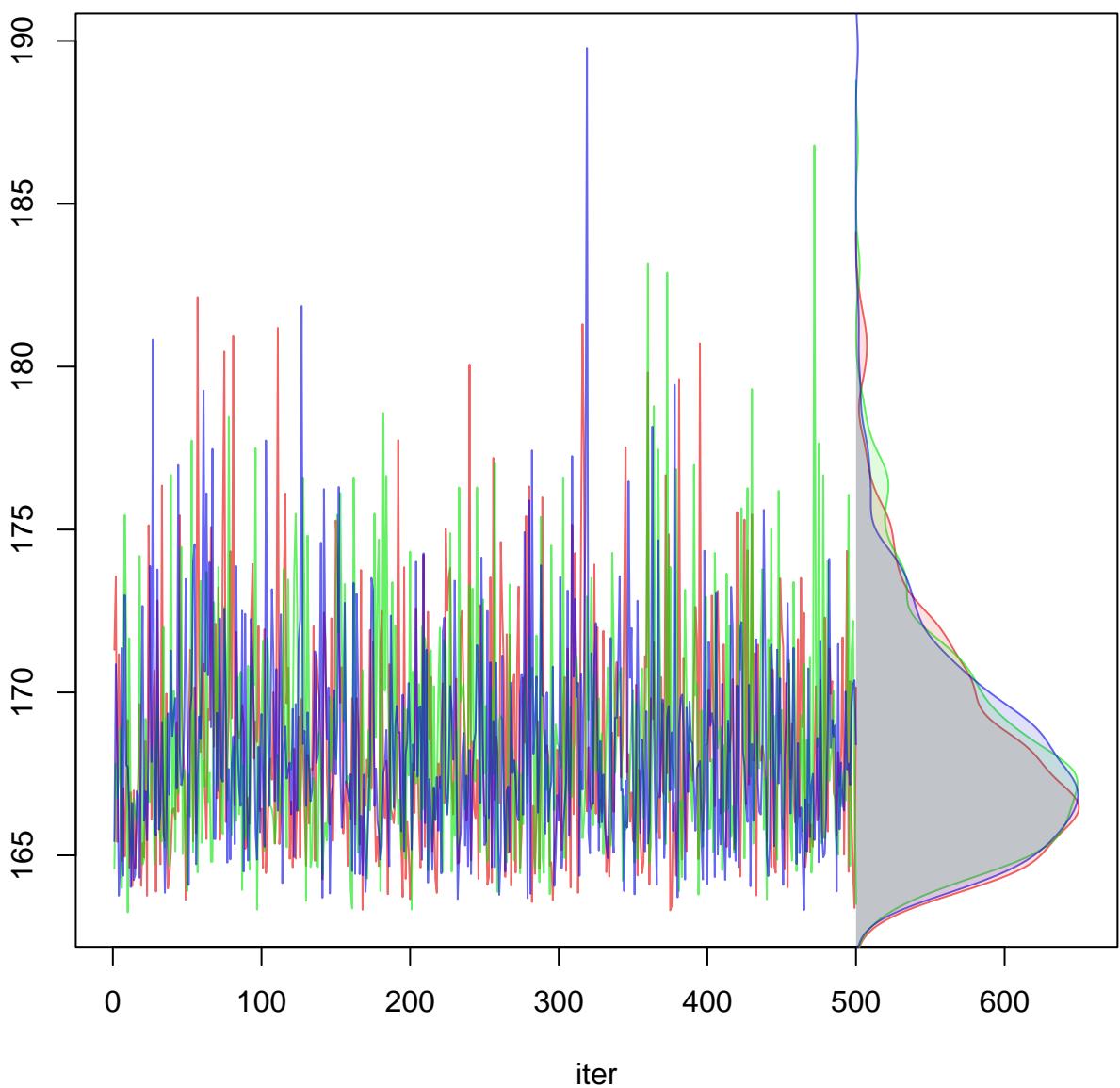
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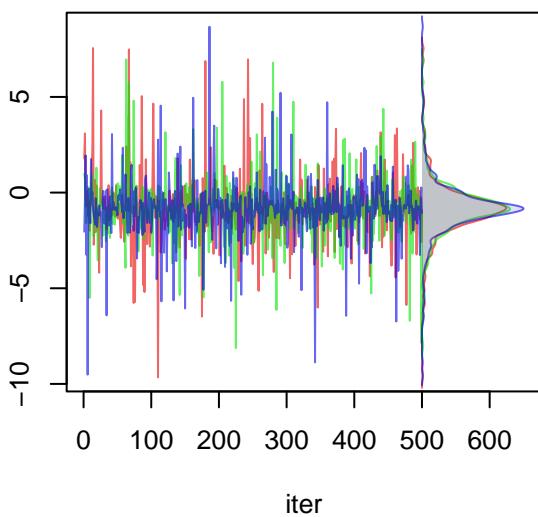
**sig\_a**



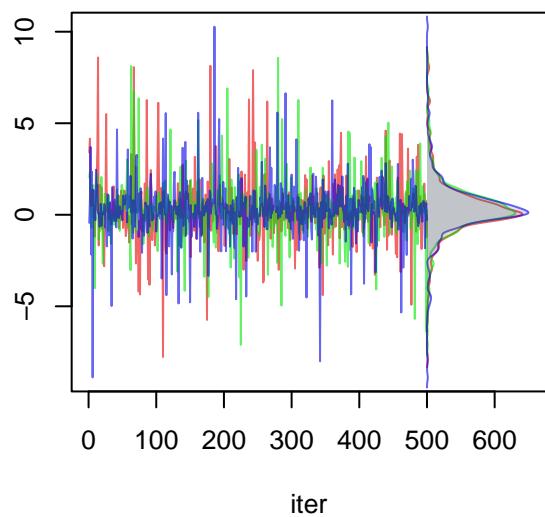
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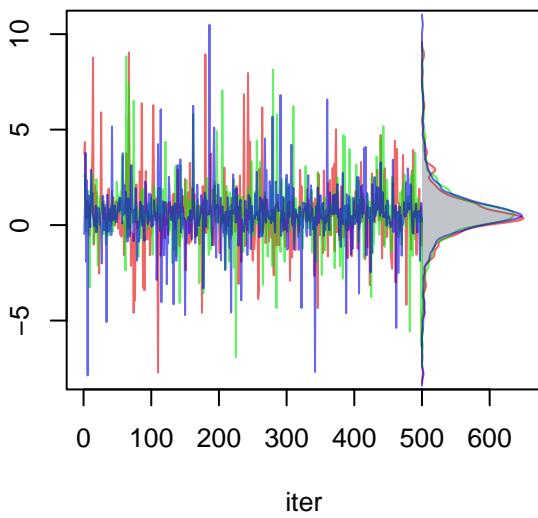
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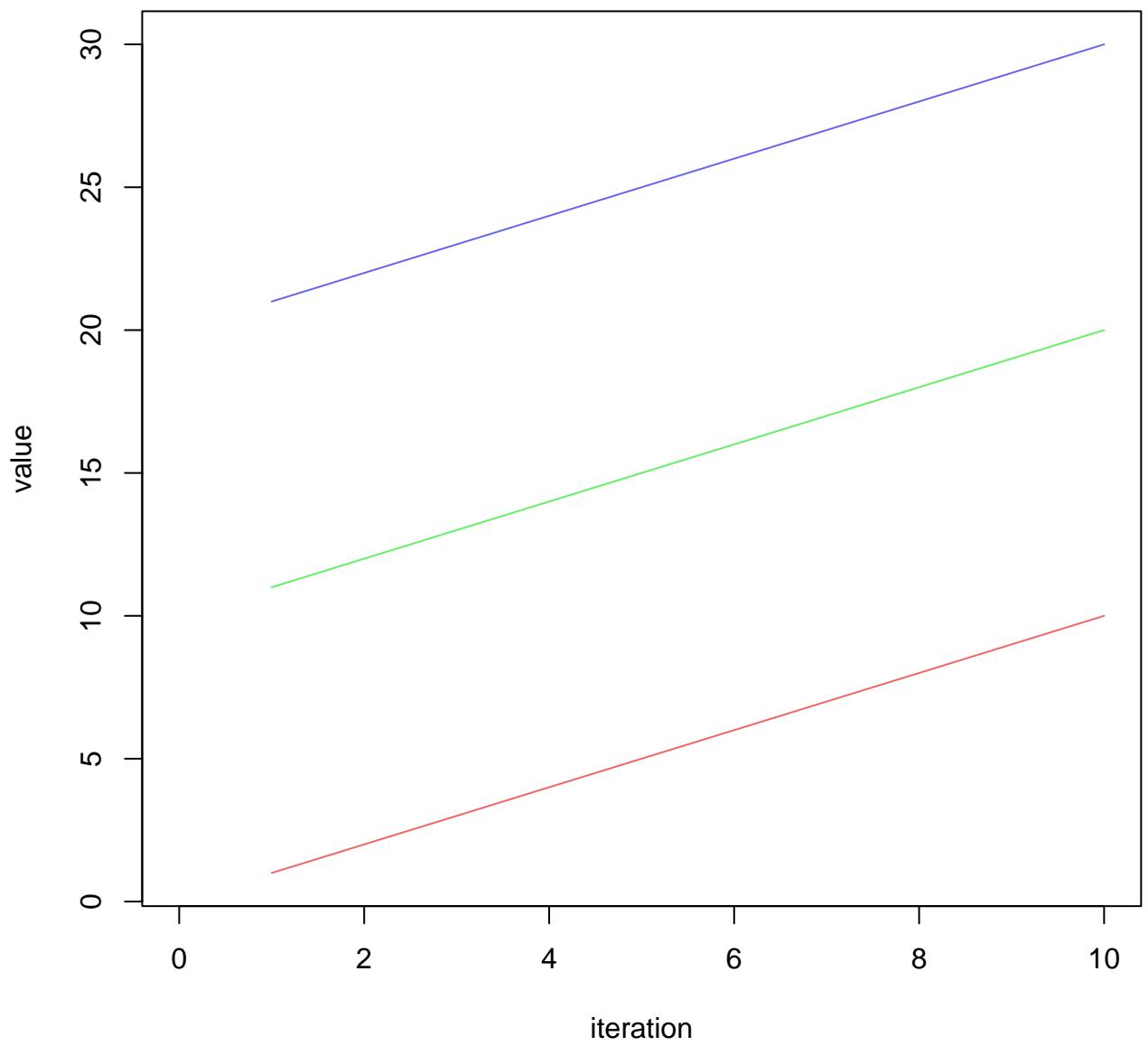


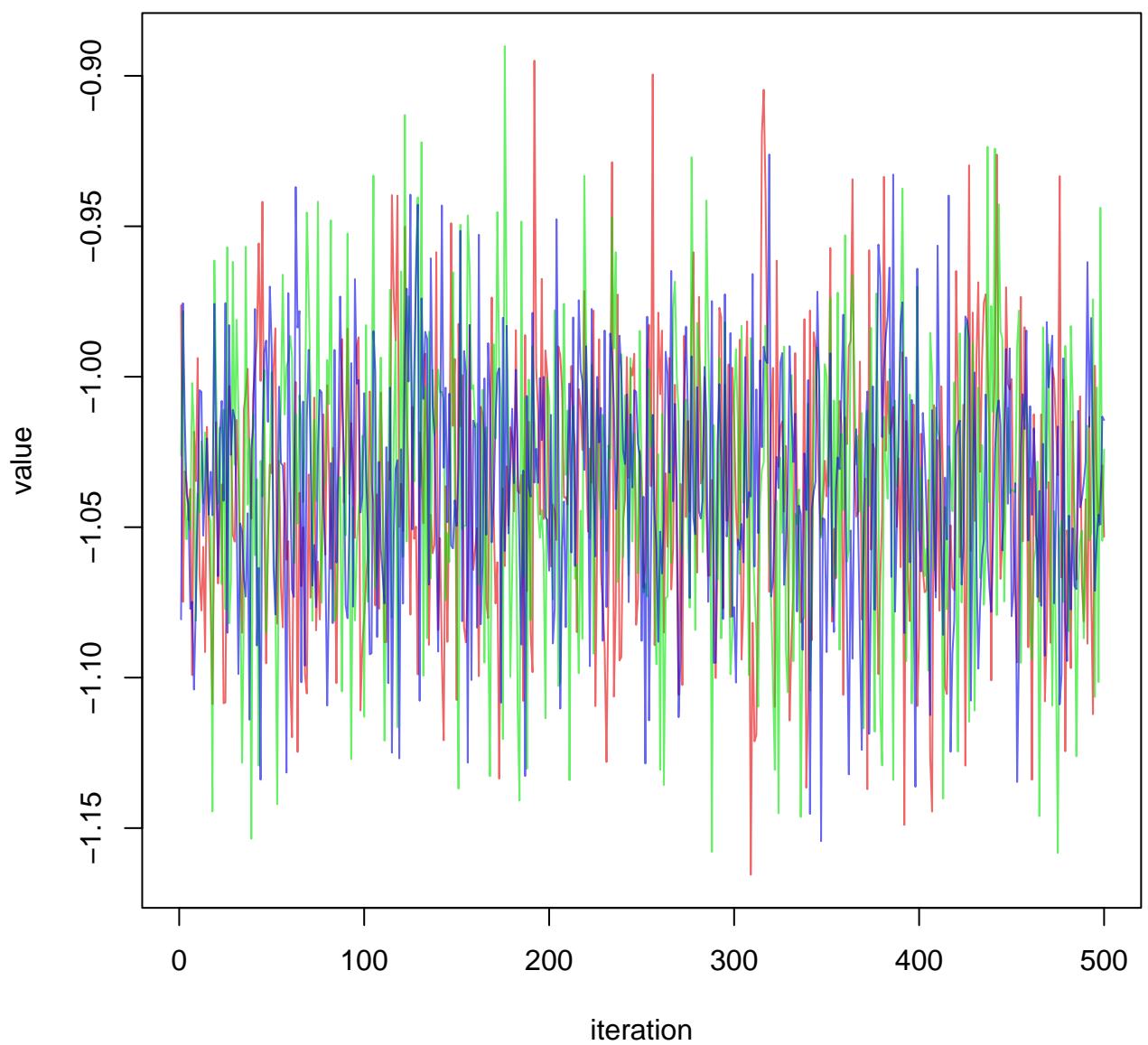
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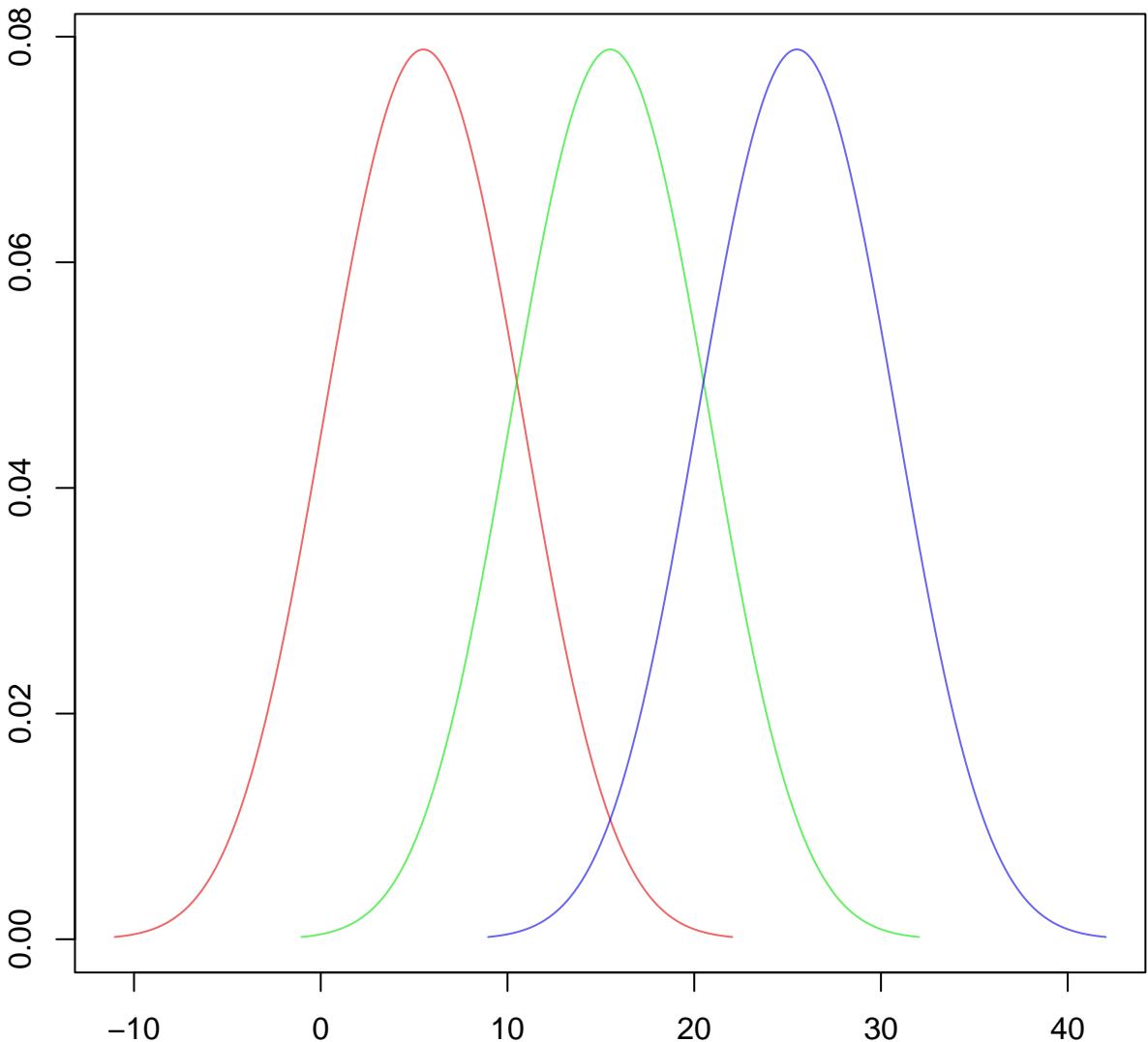


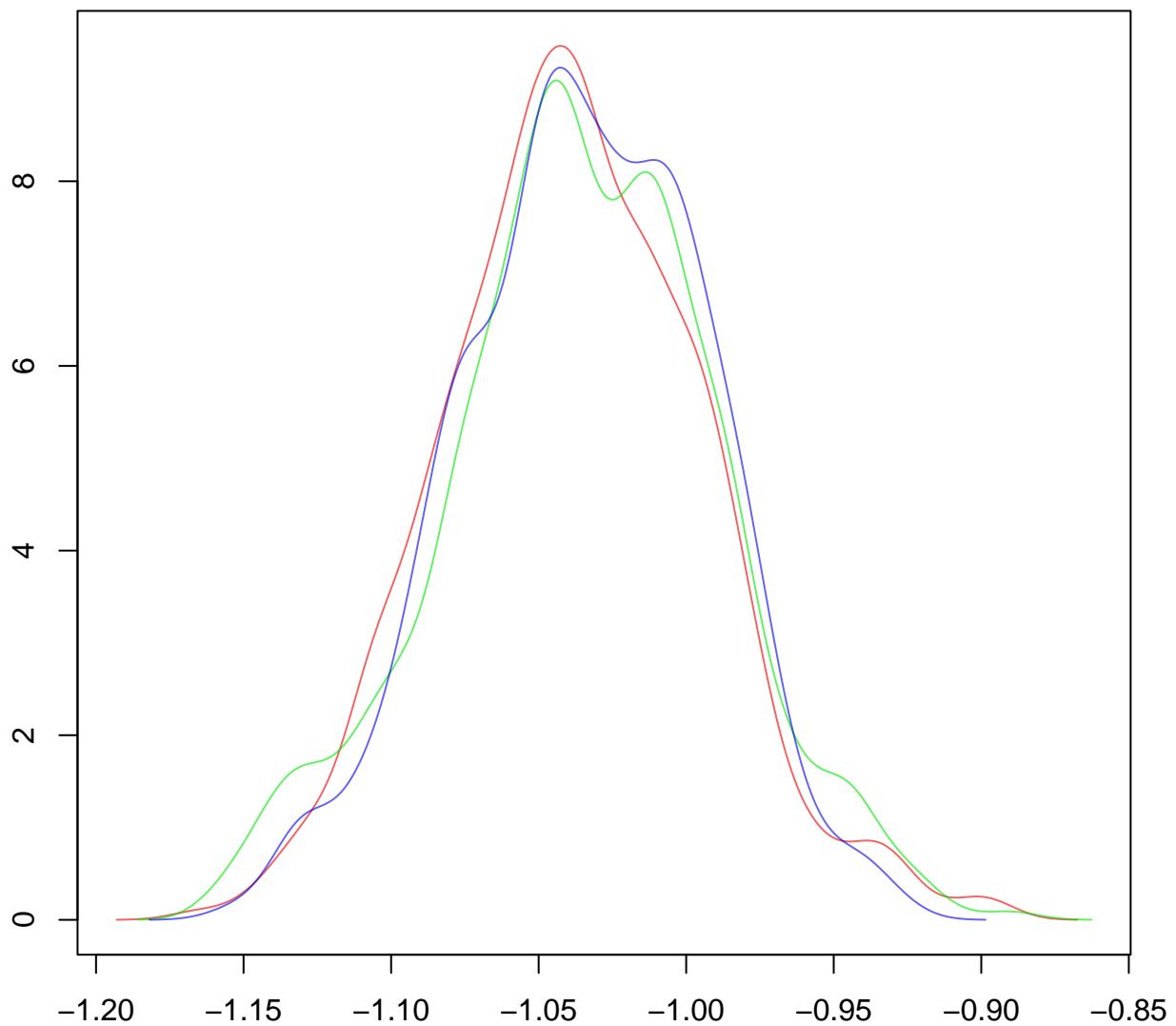
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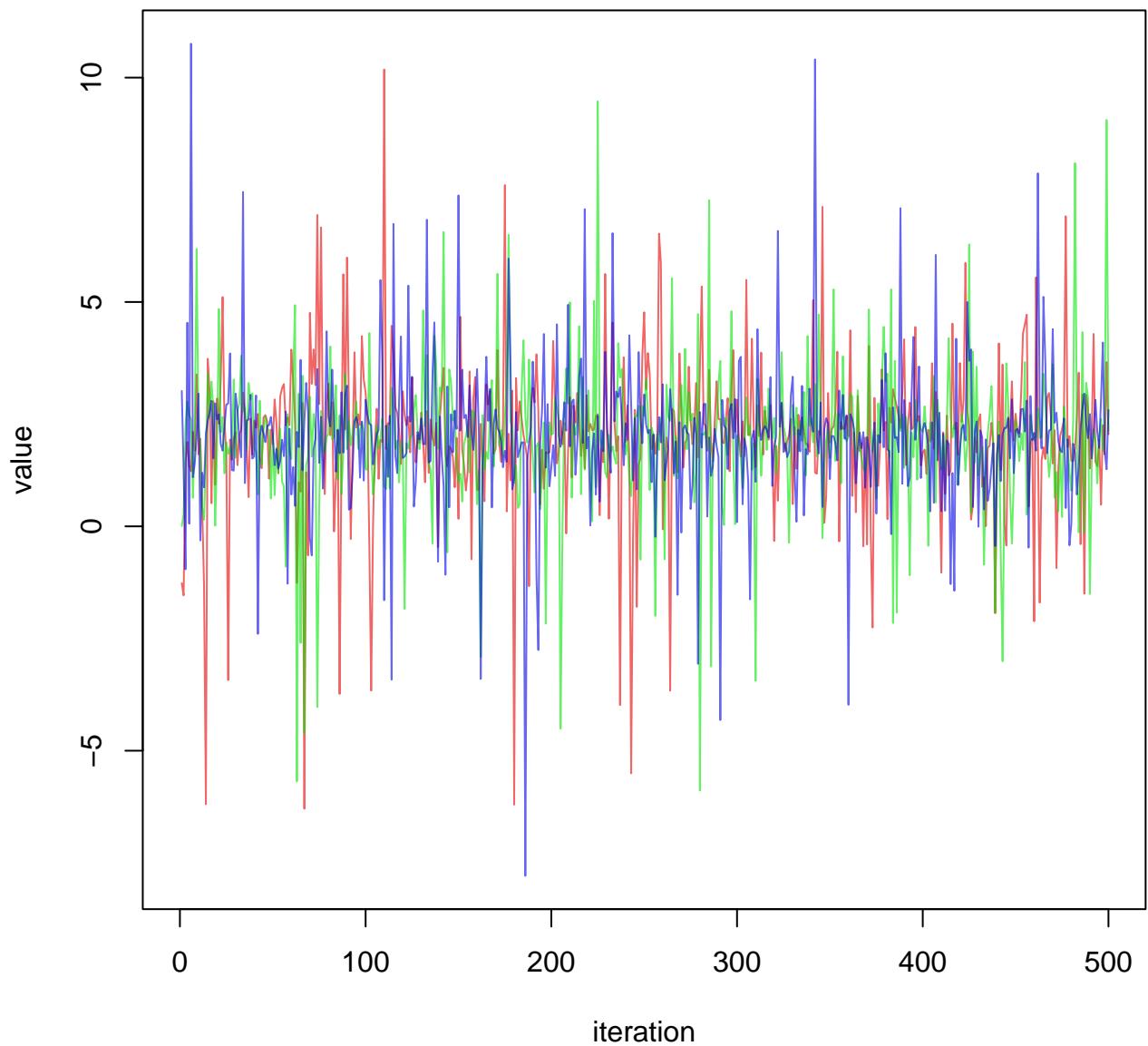




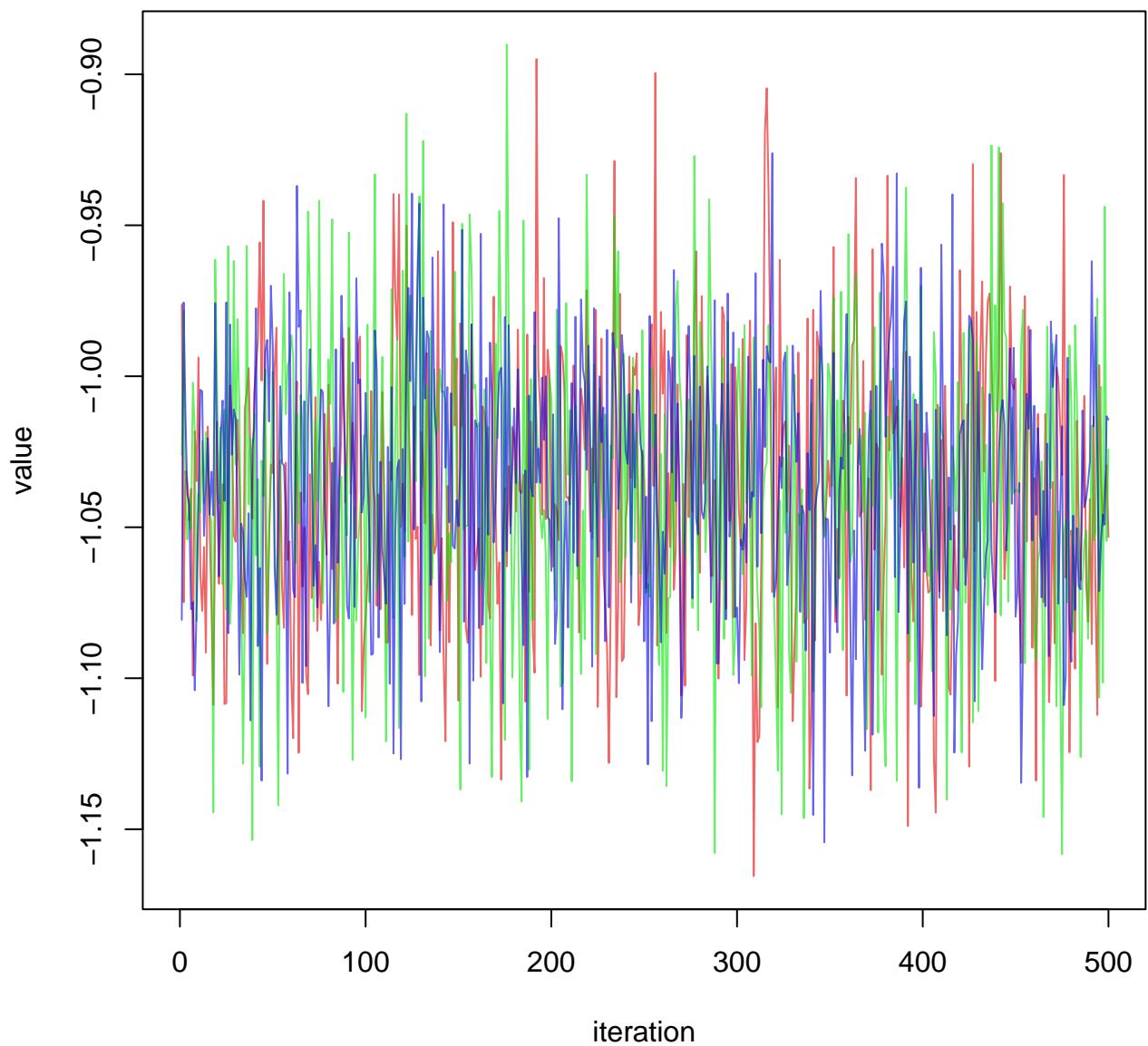




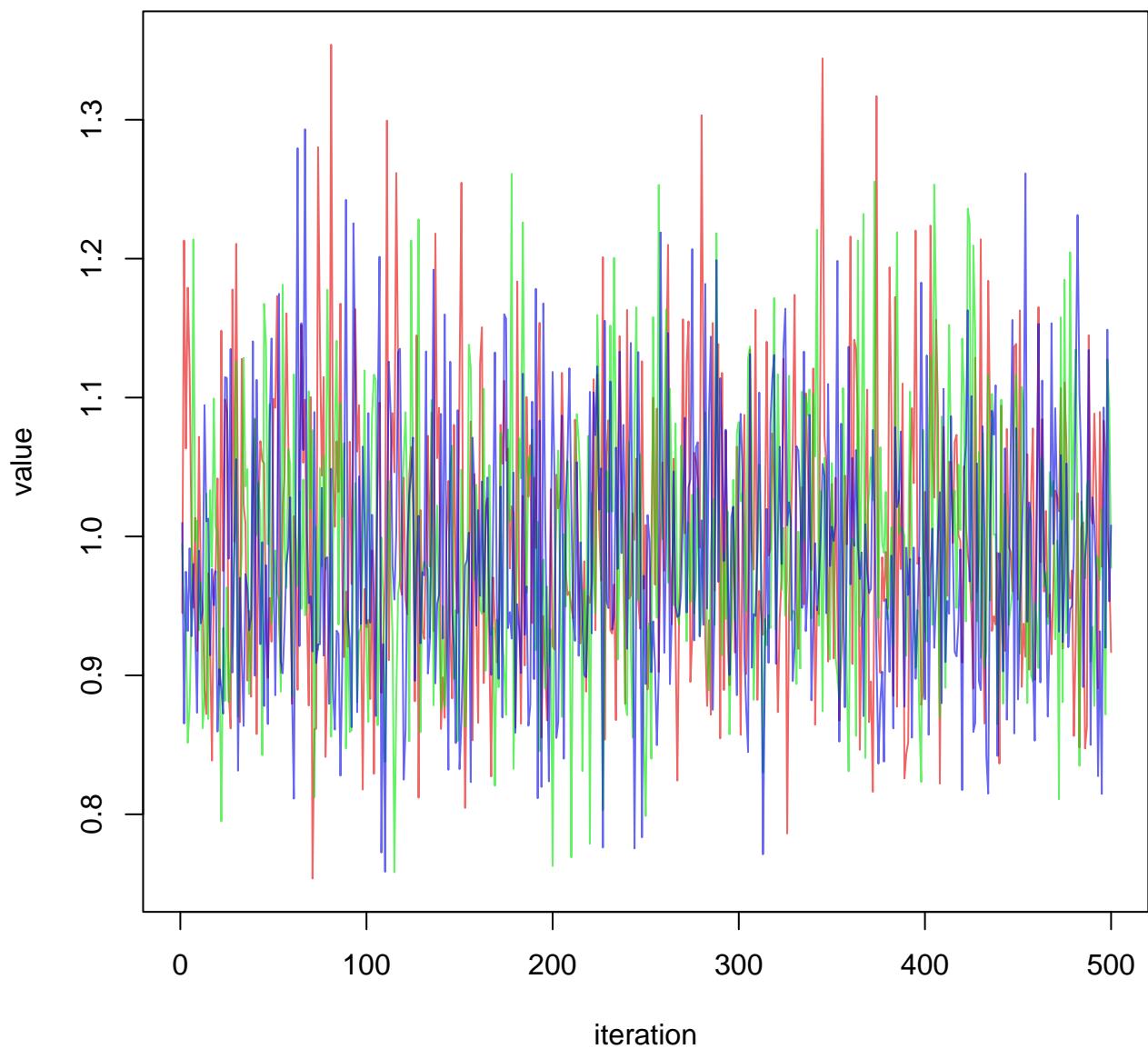
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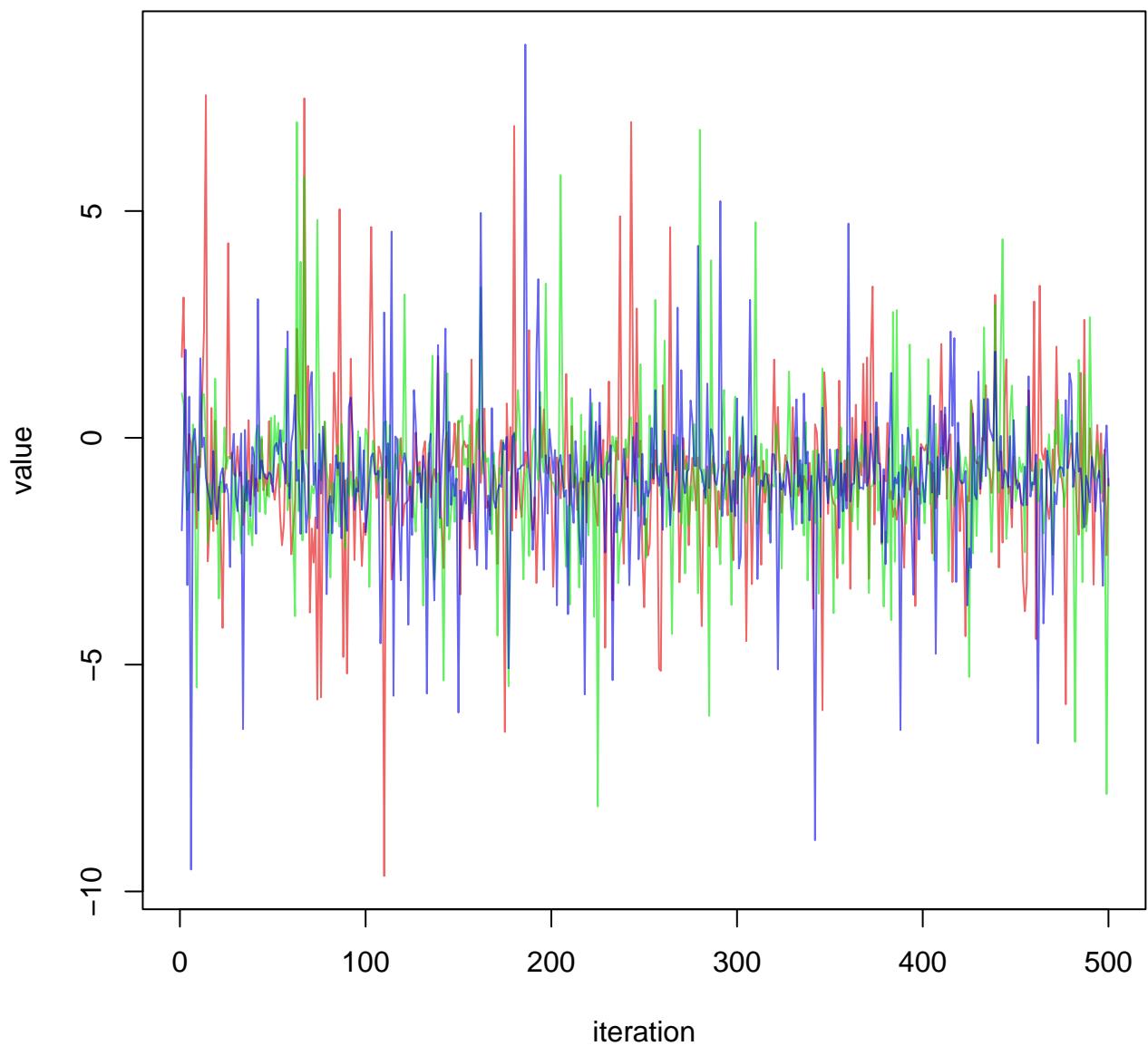
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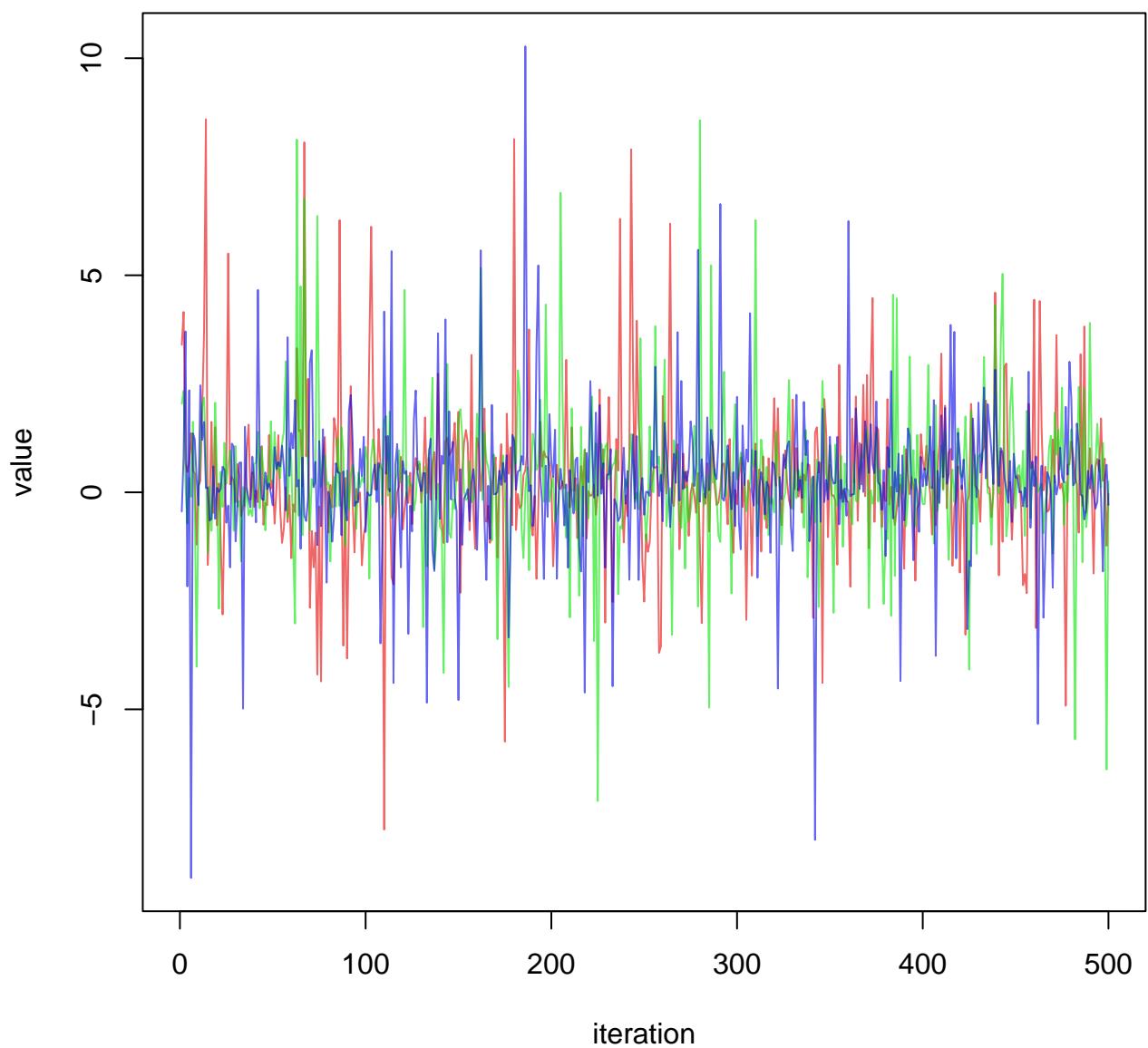
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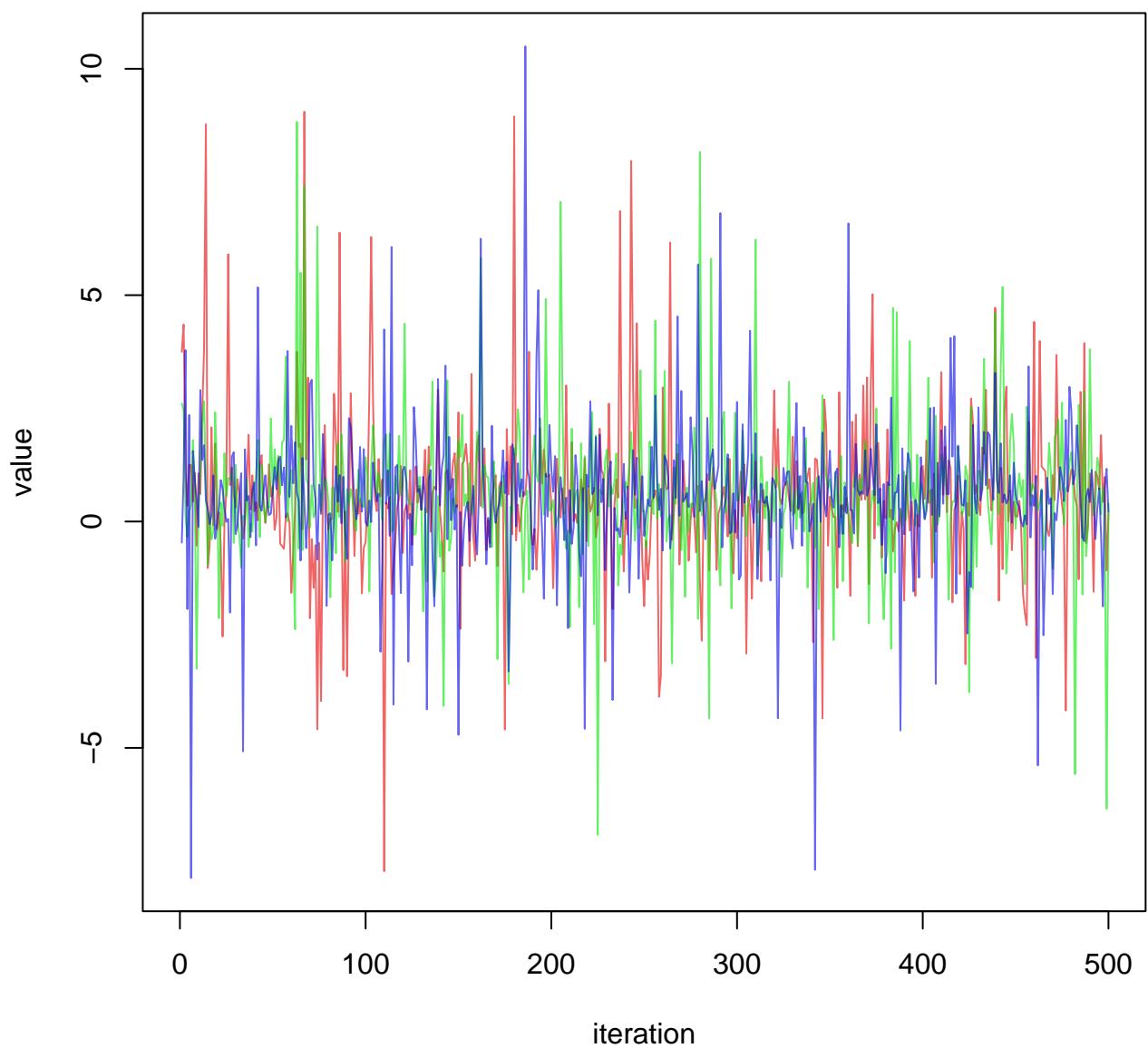
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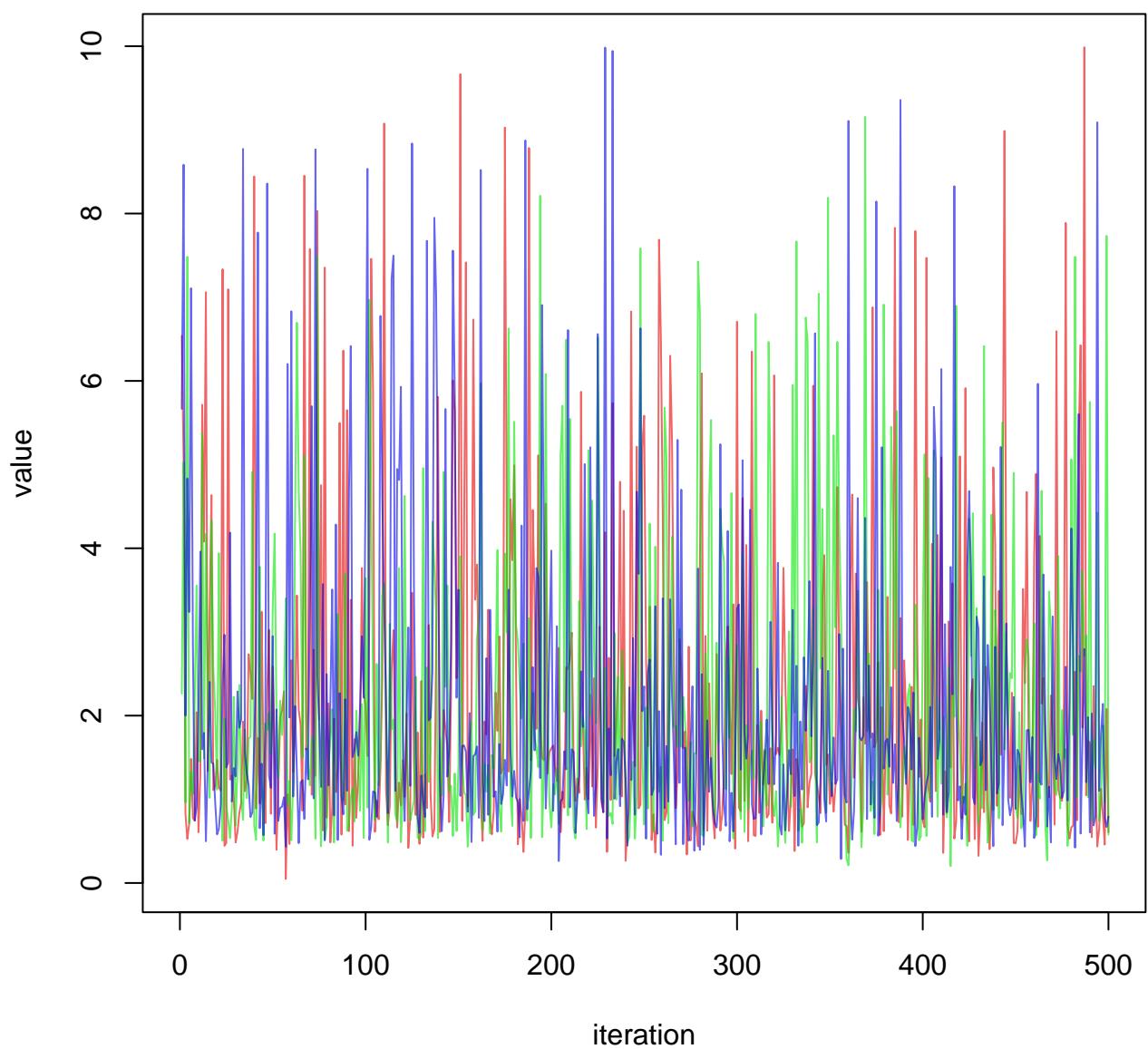
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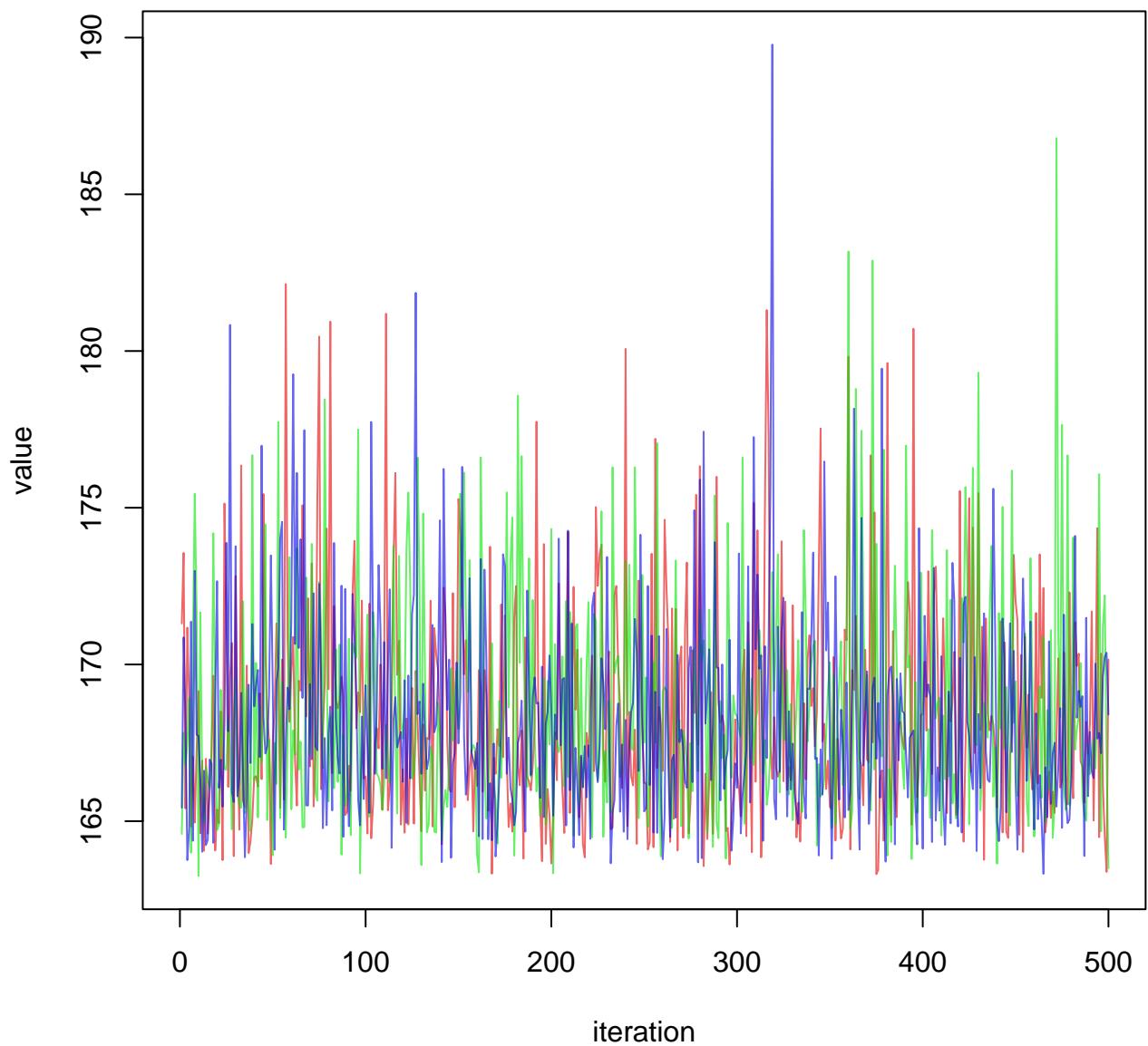
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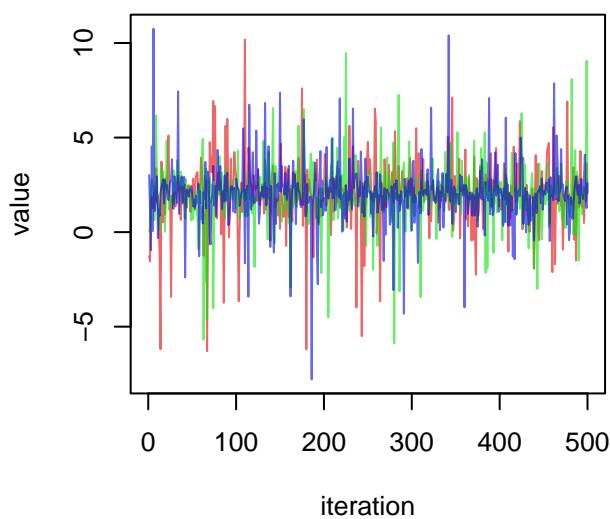
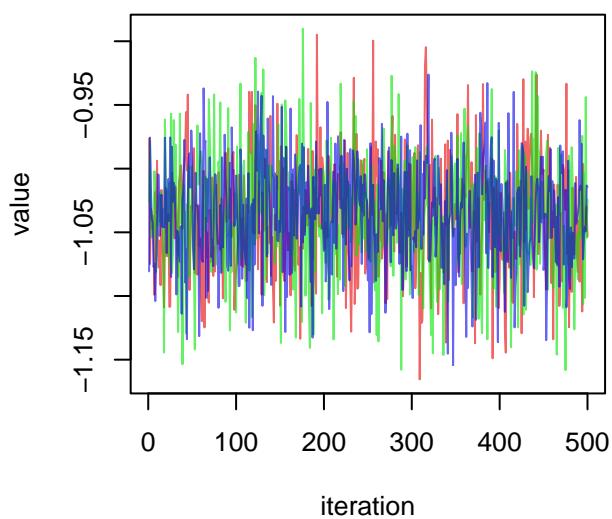
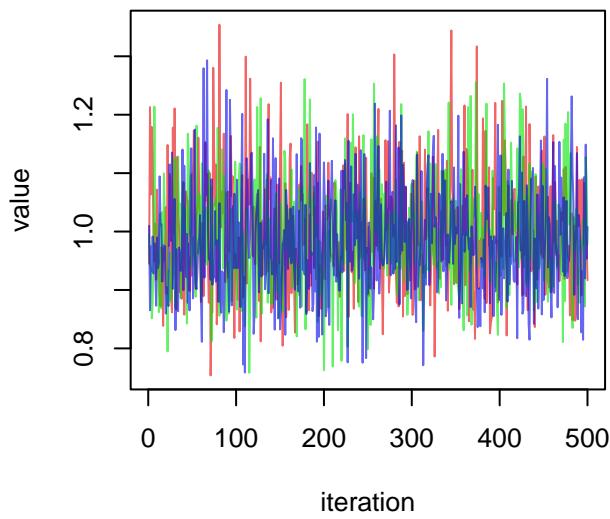
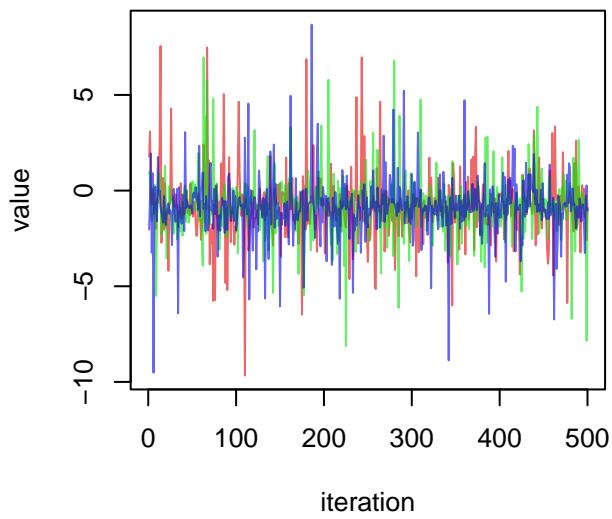


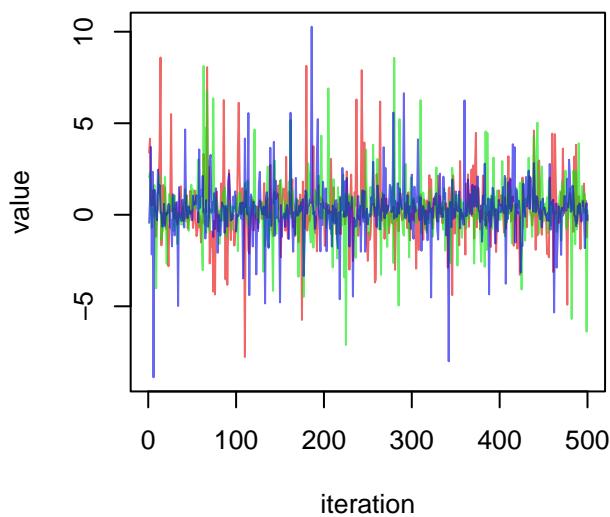
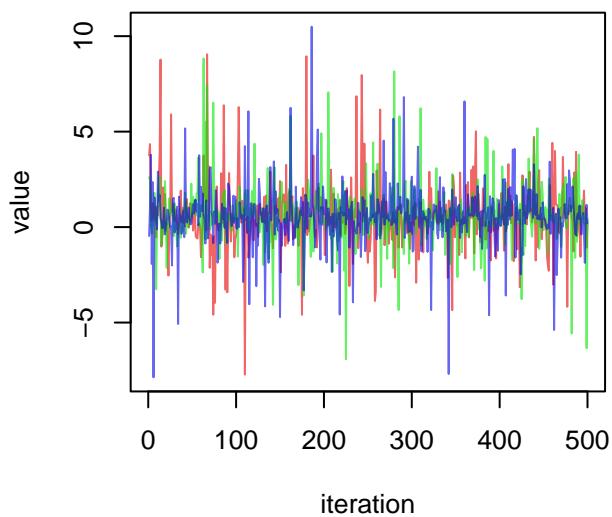
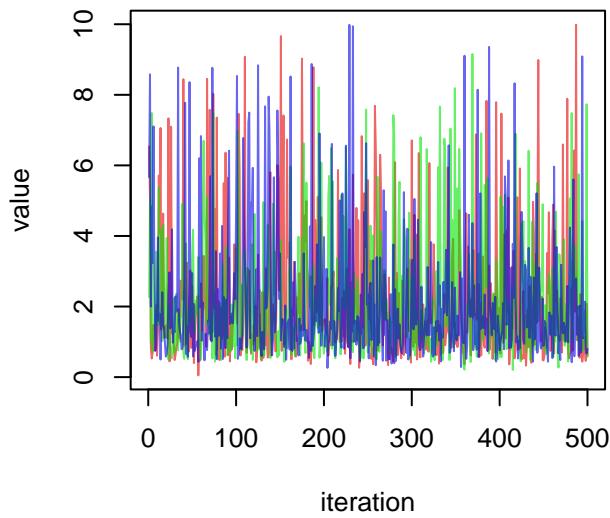
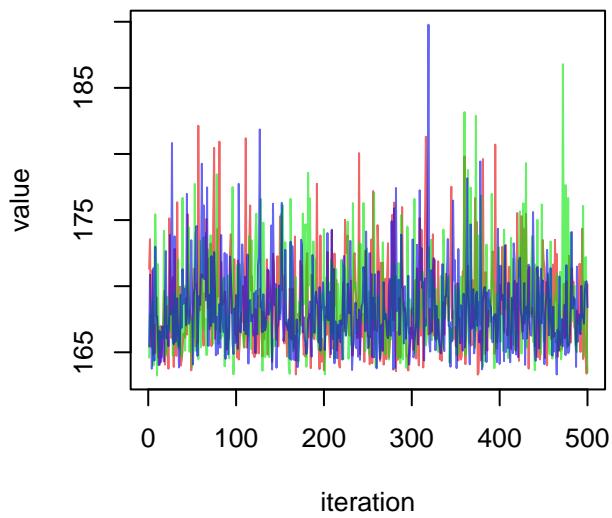
**sig\_a**



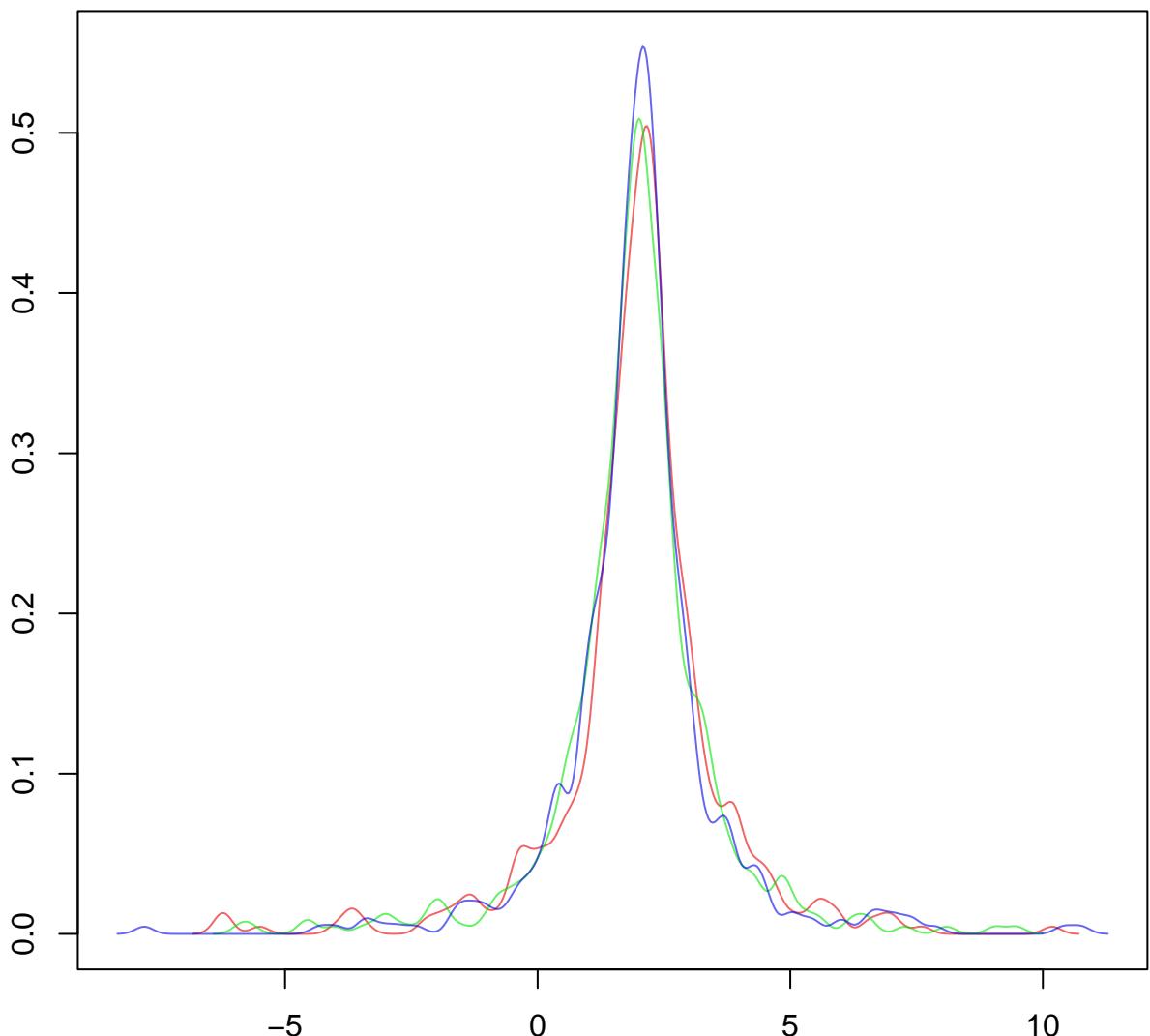
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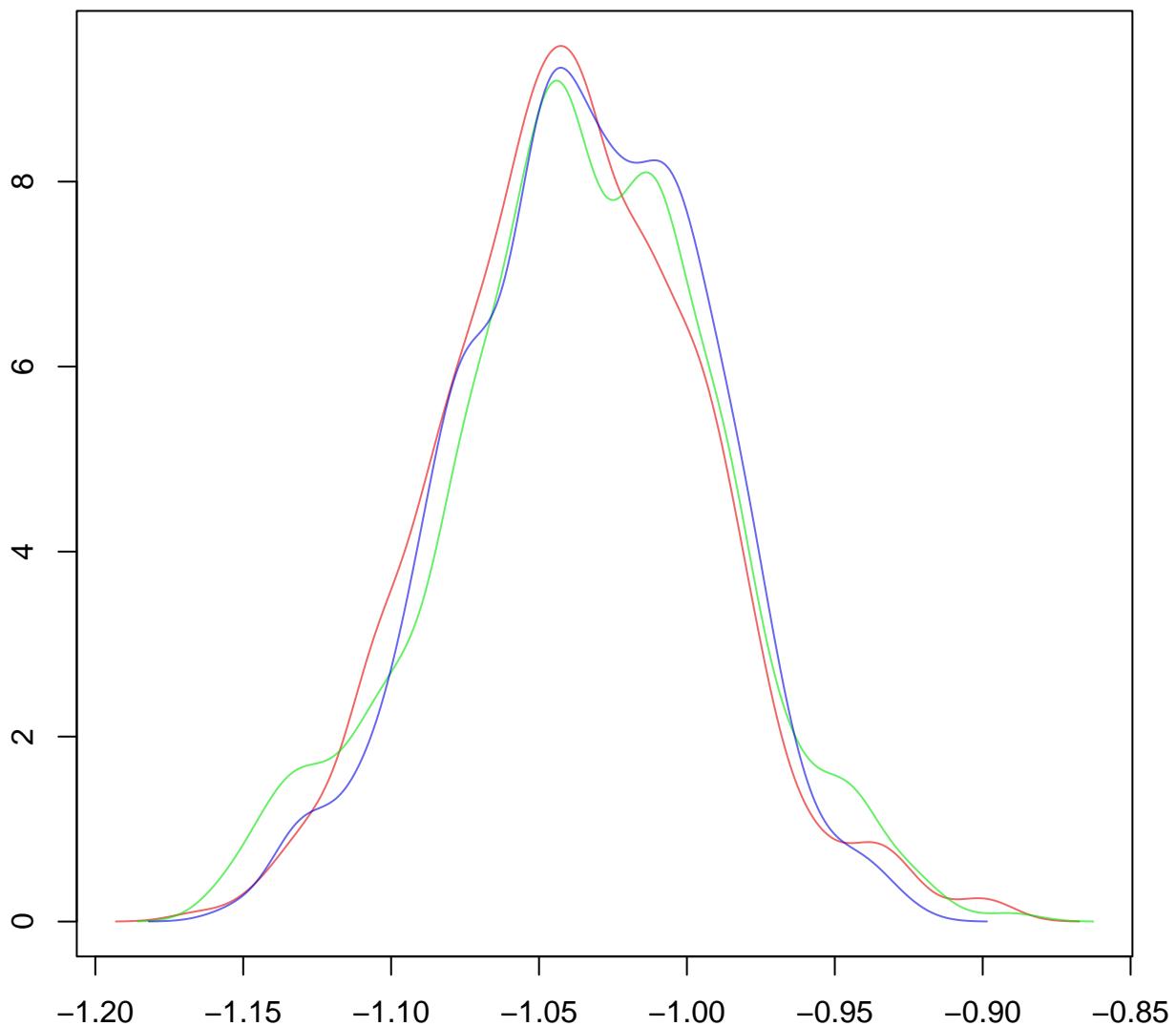
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**a[2]****a[3]****sig\_a****deviance**

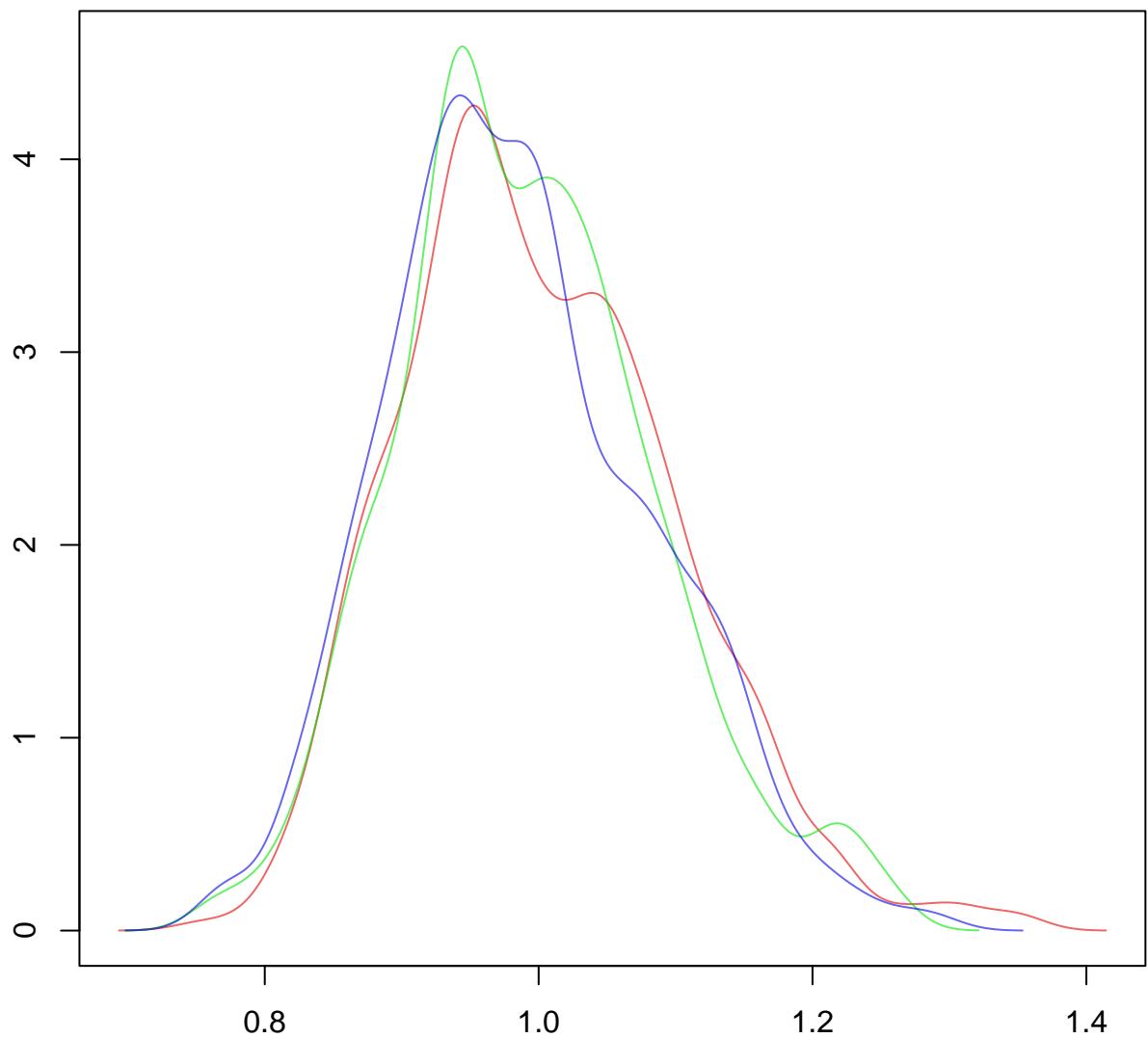
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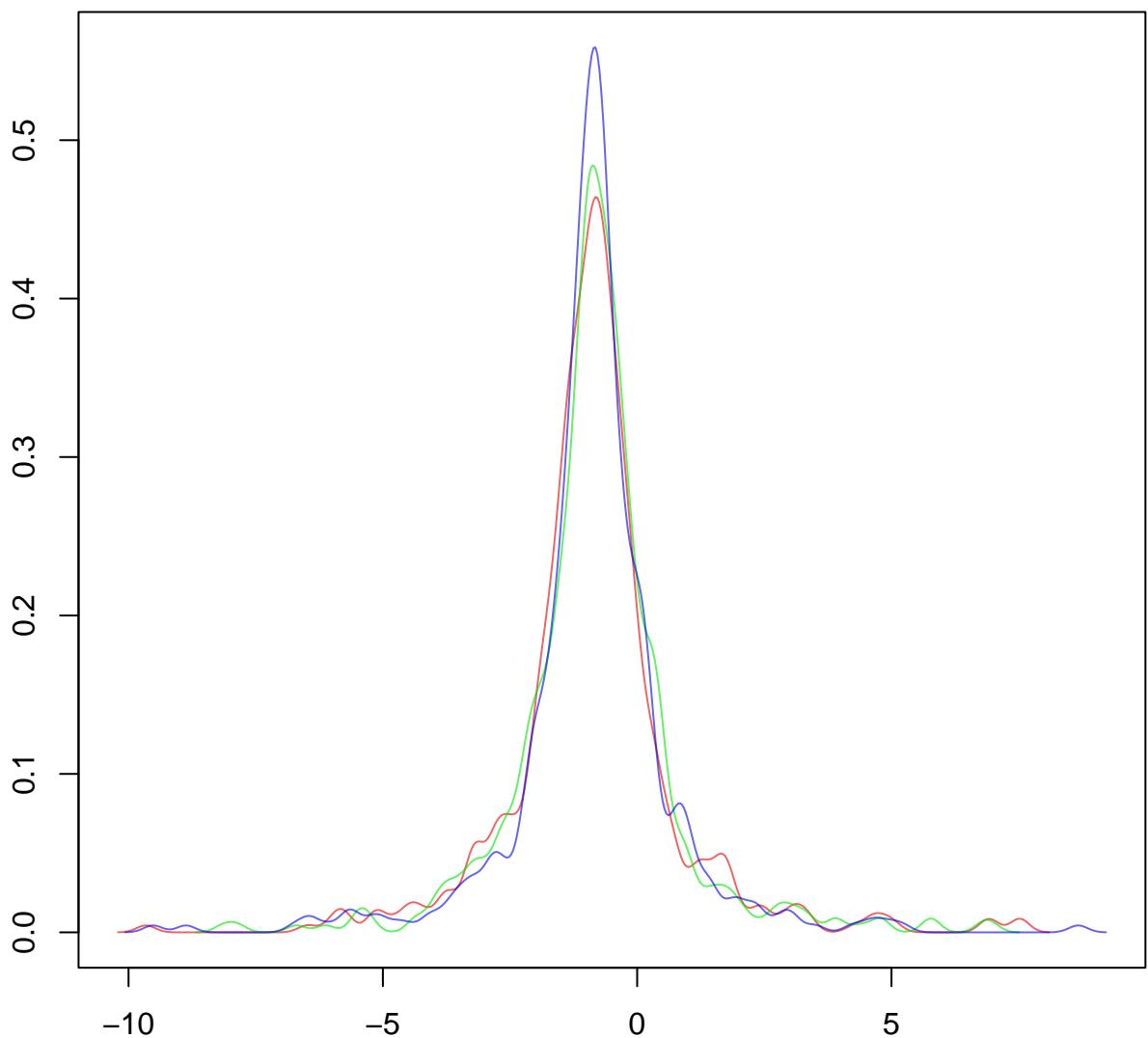
**b1**



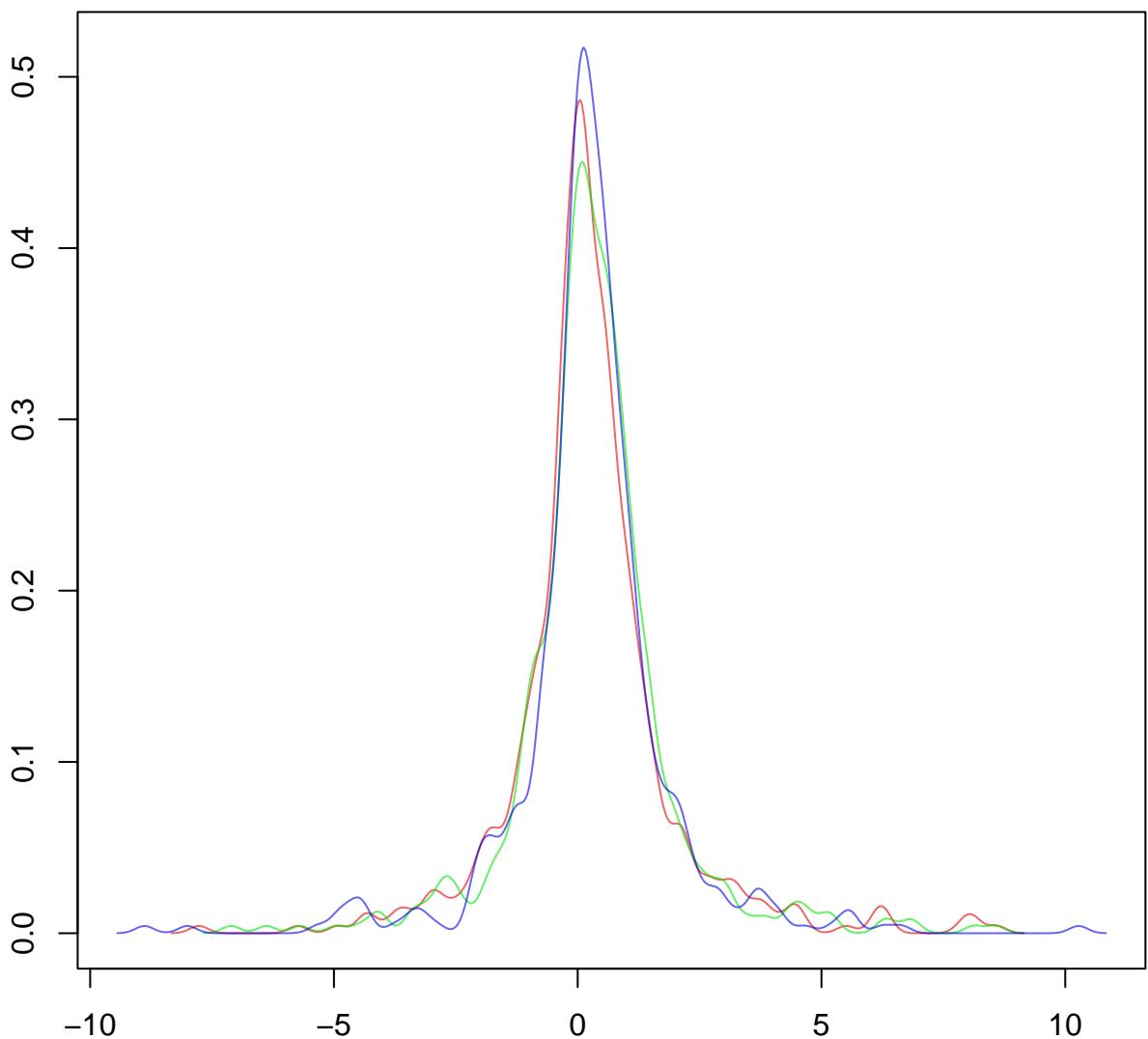
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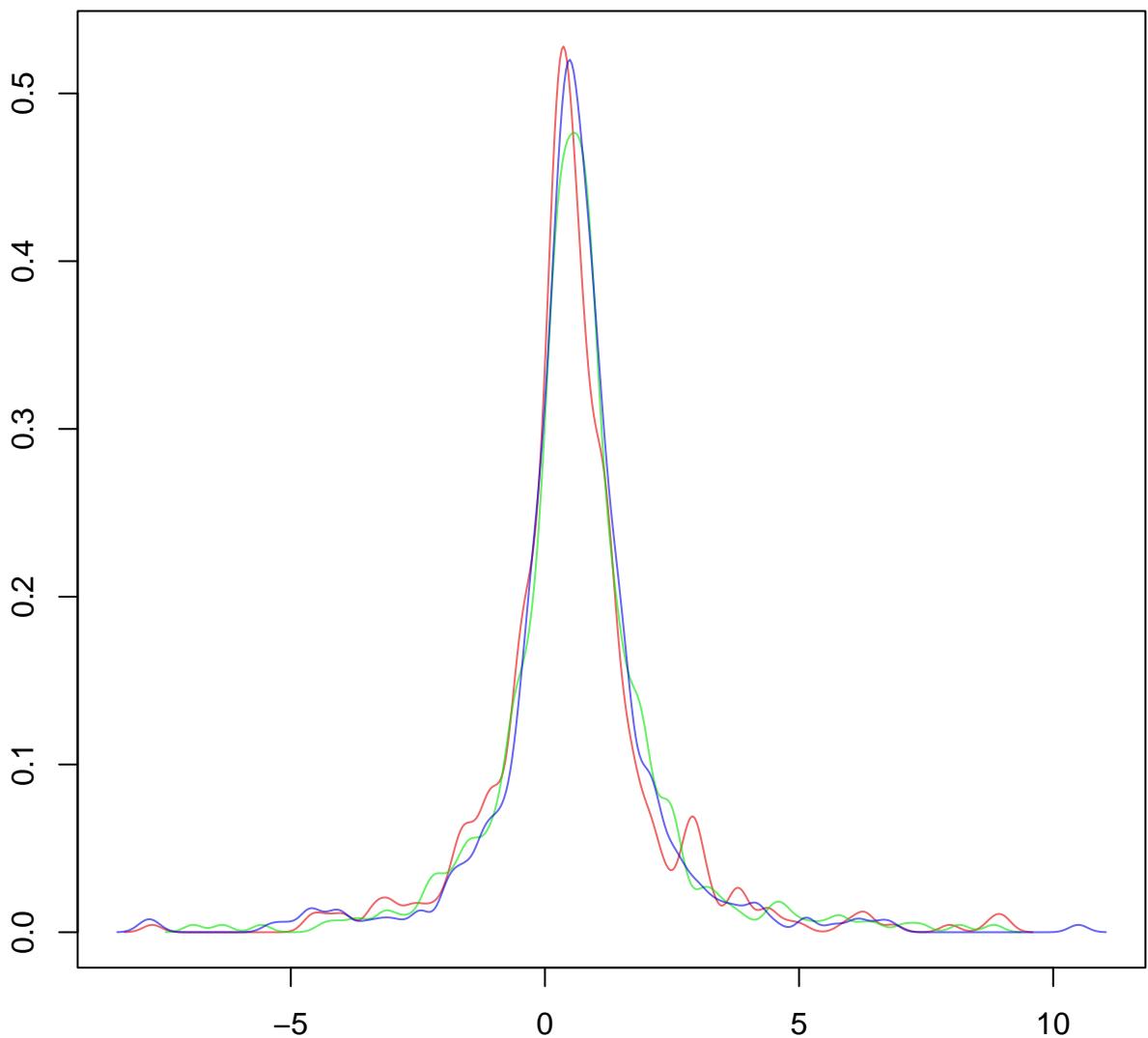
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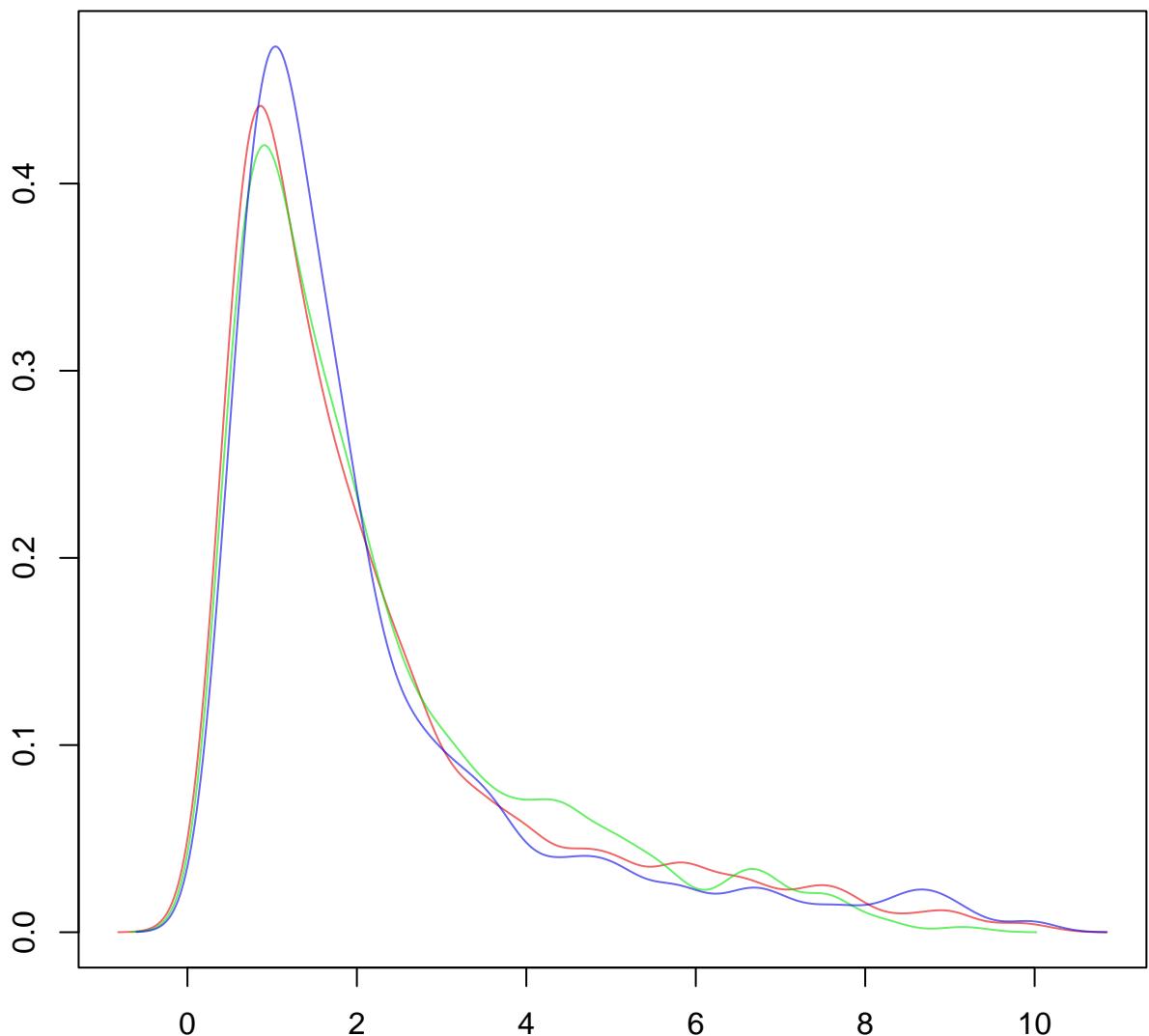
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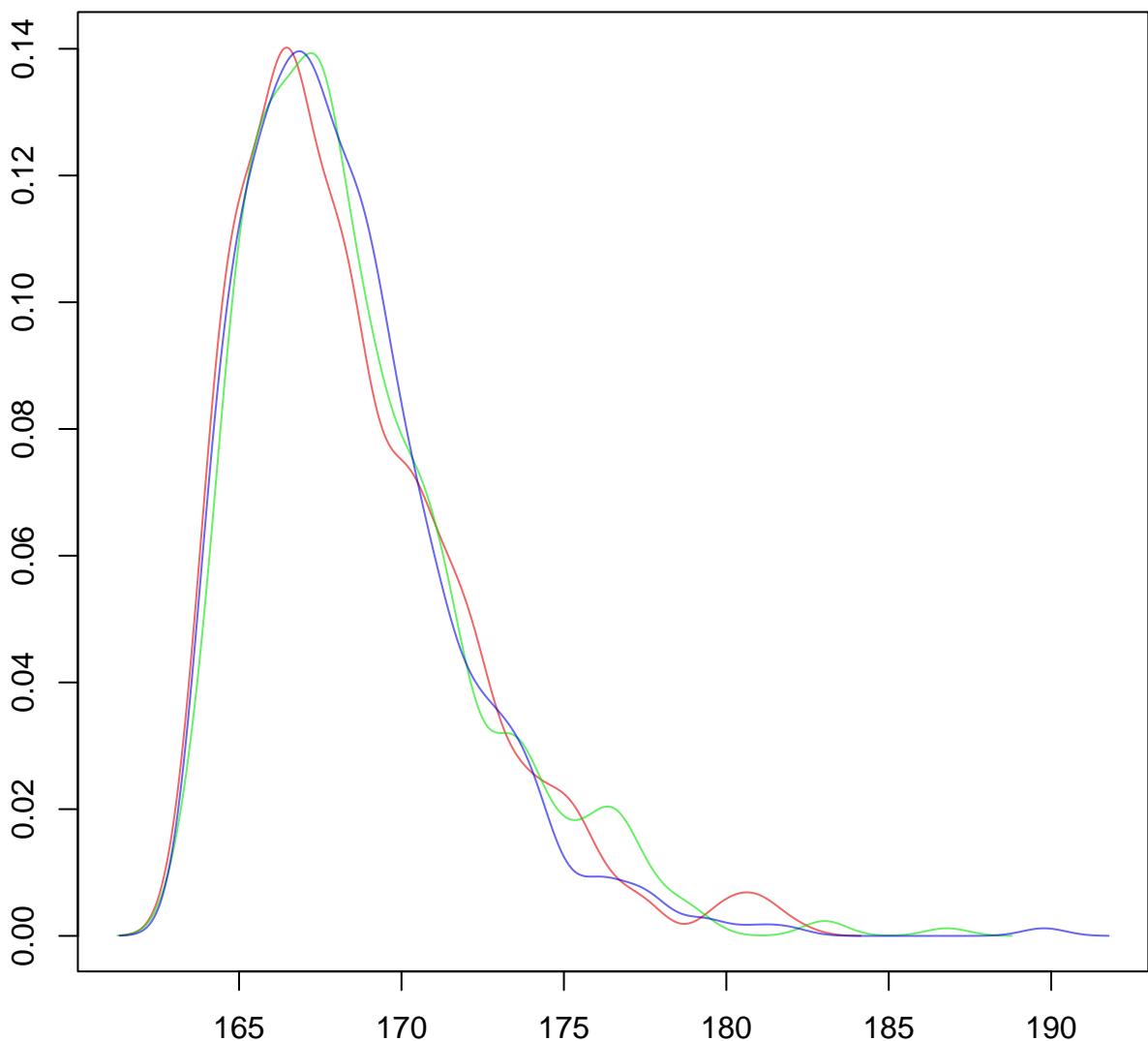
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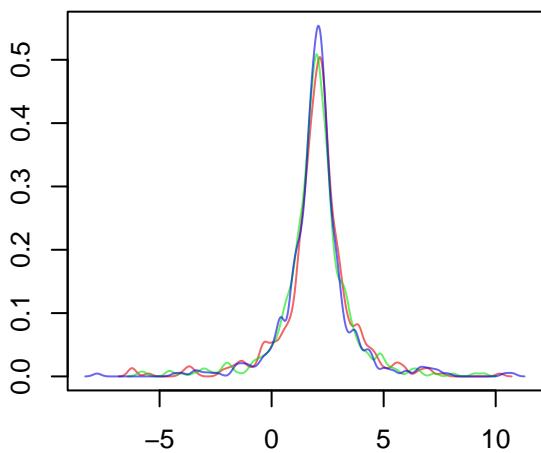
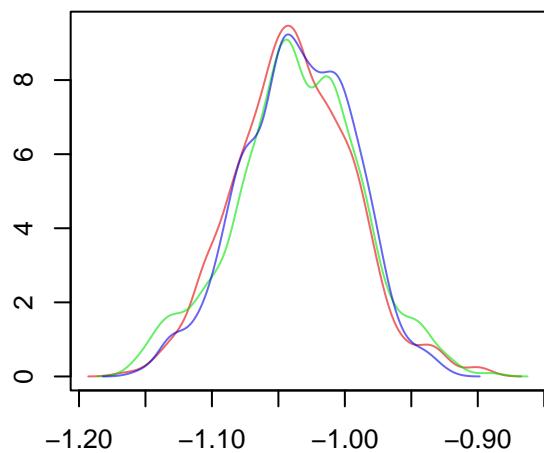
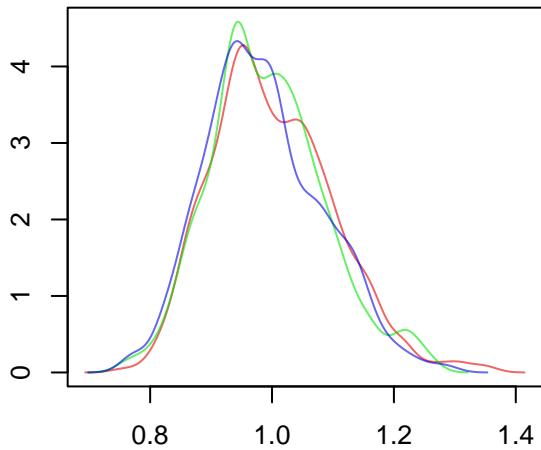
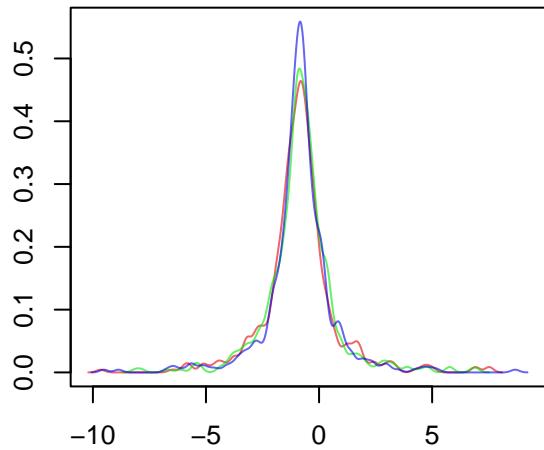


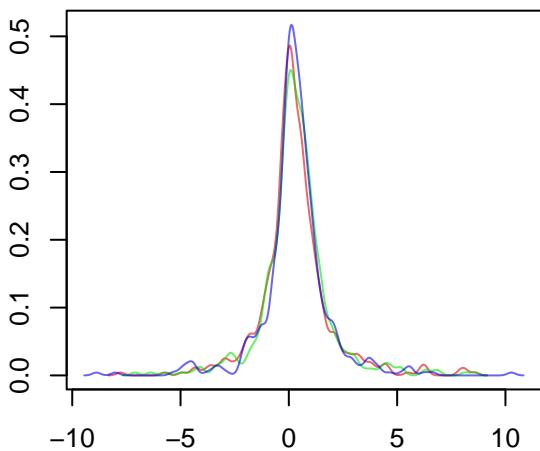
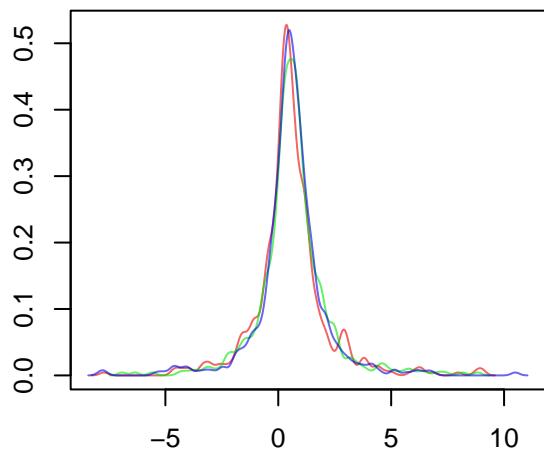
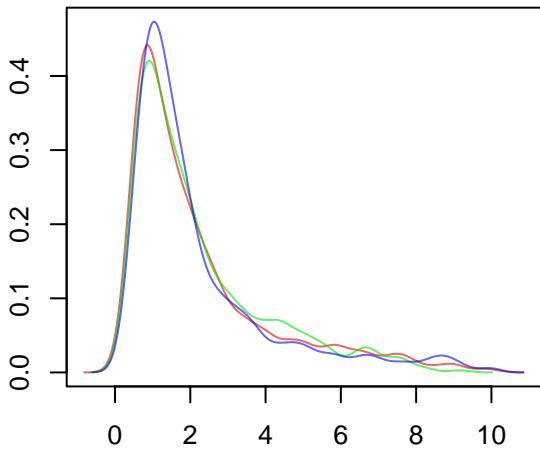
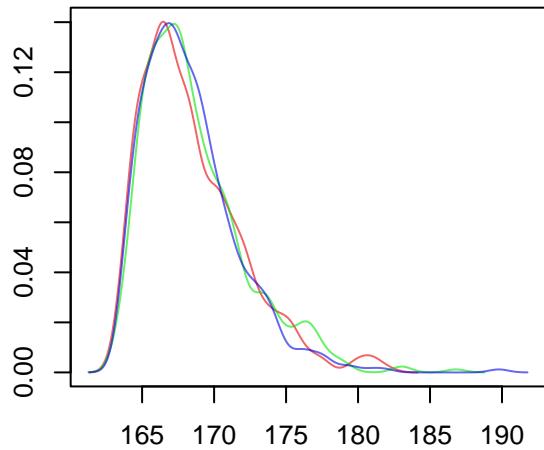
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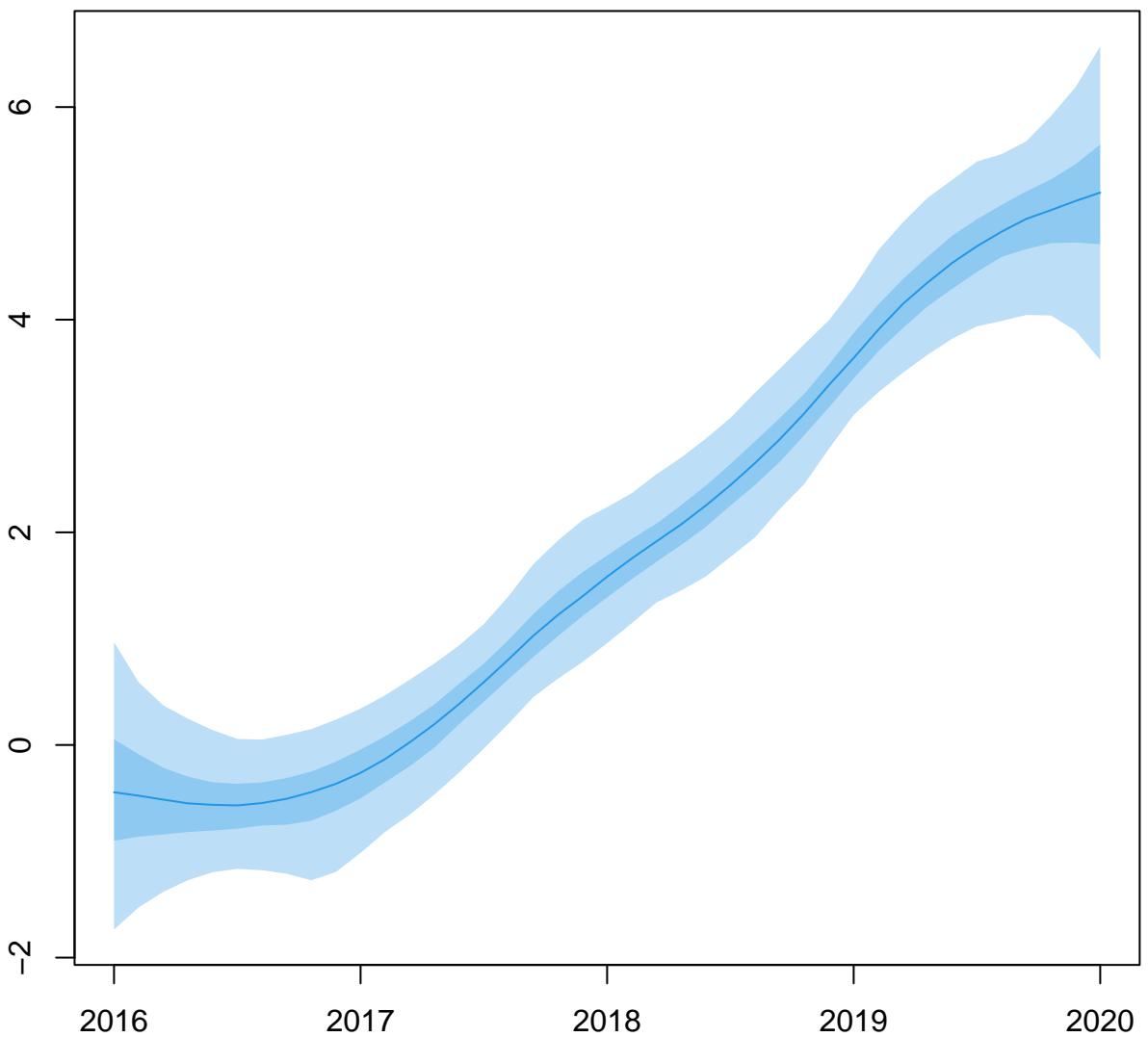


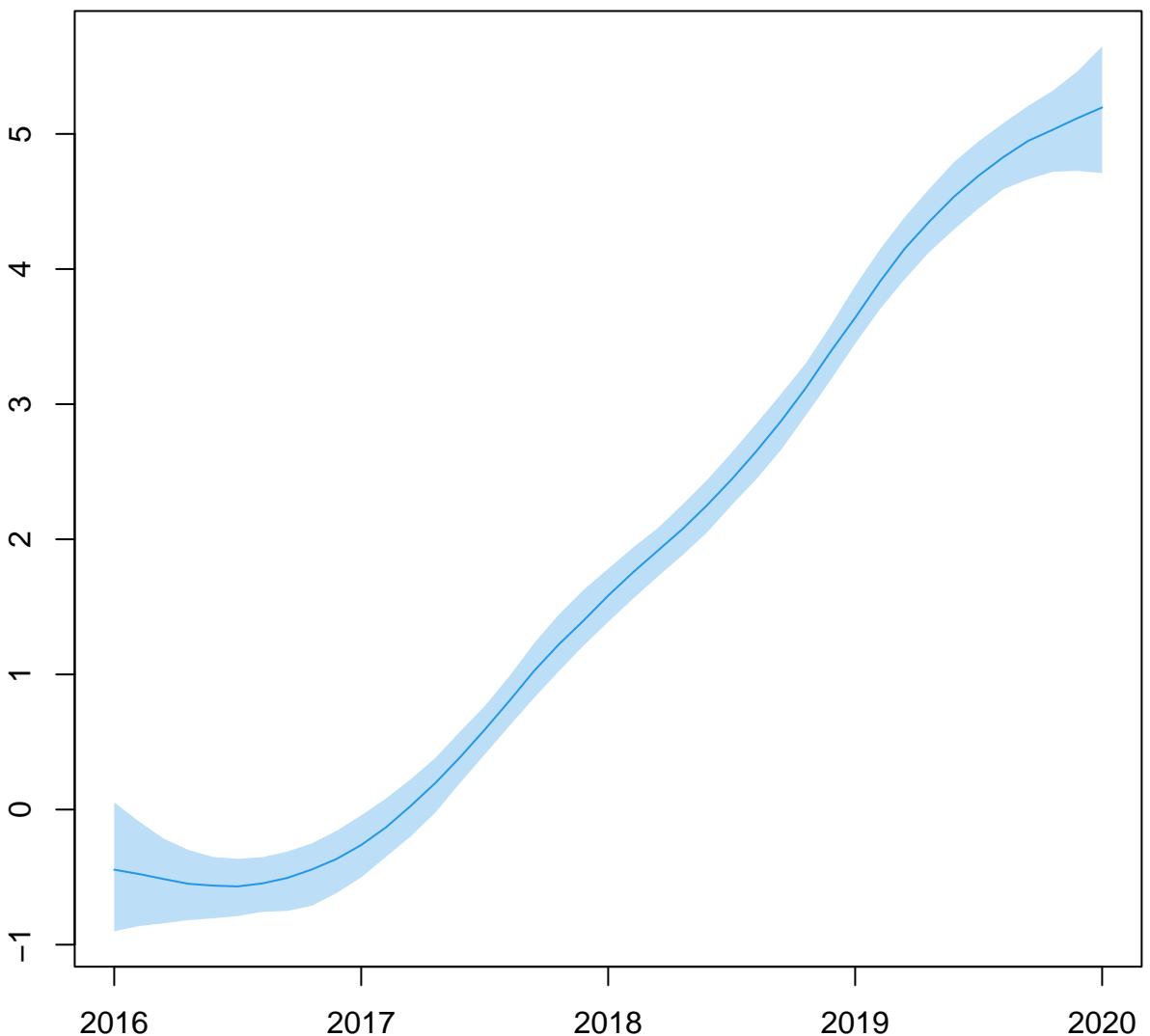
# deviance

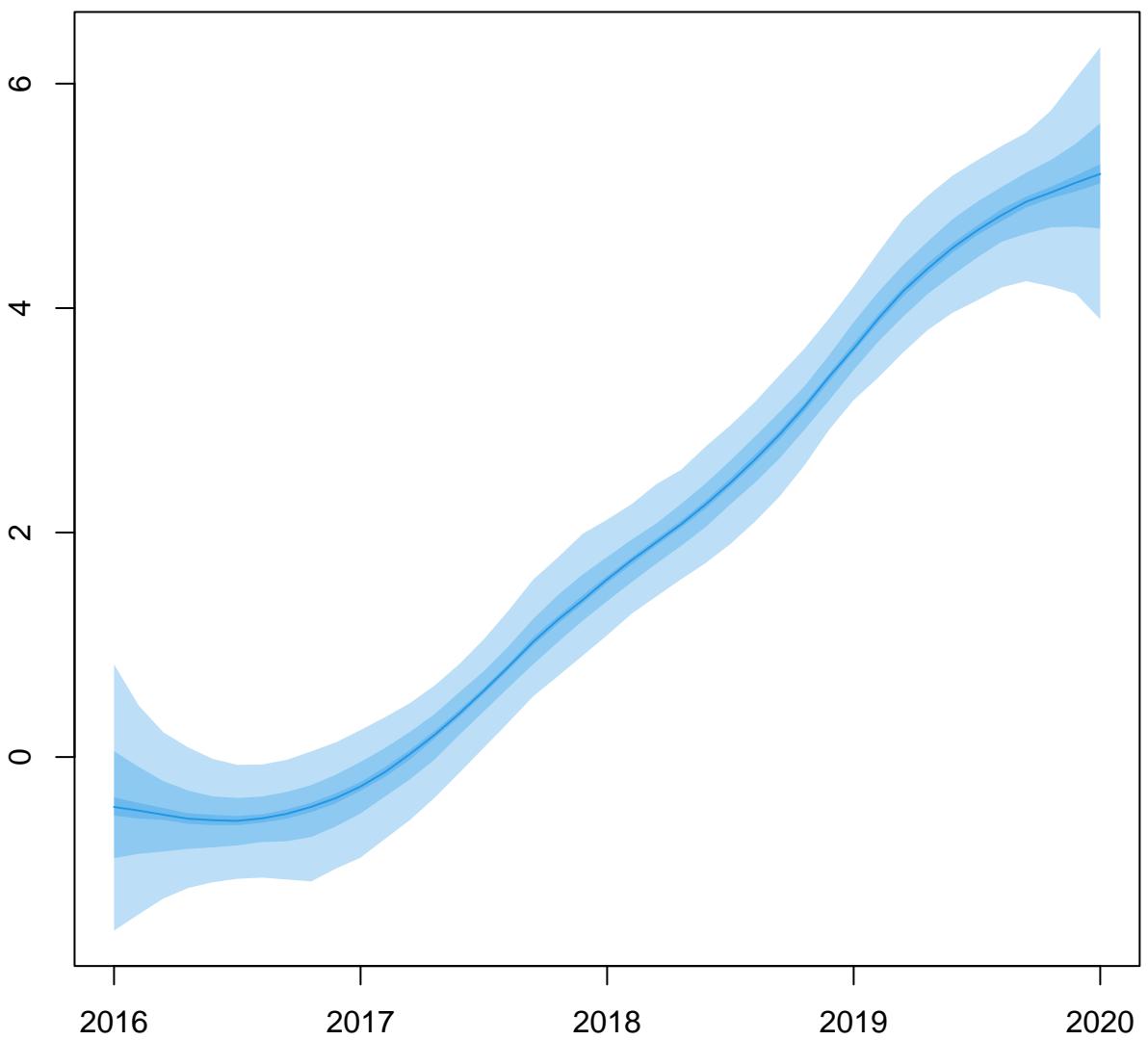


**b0****b1****sig****a[1]**

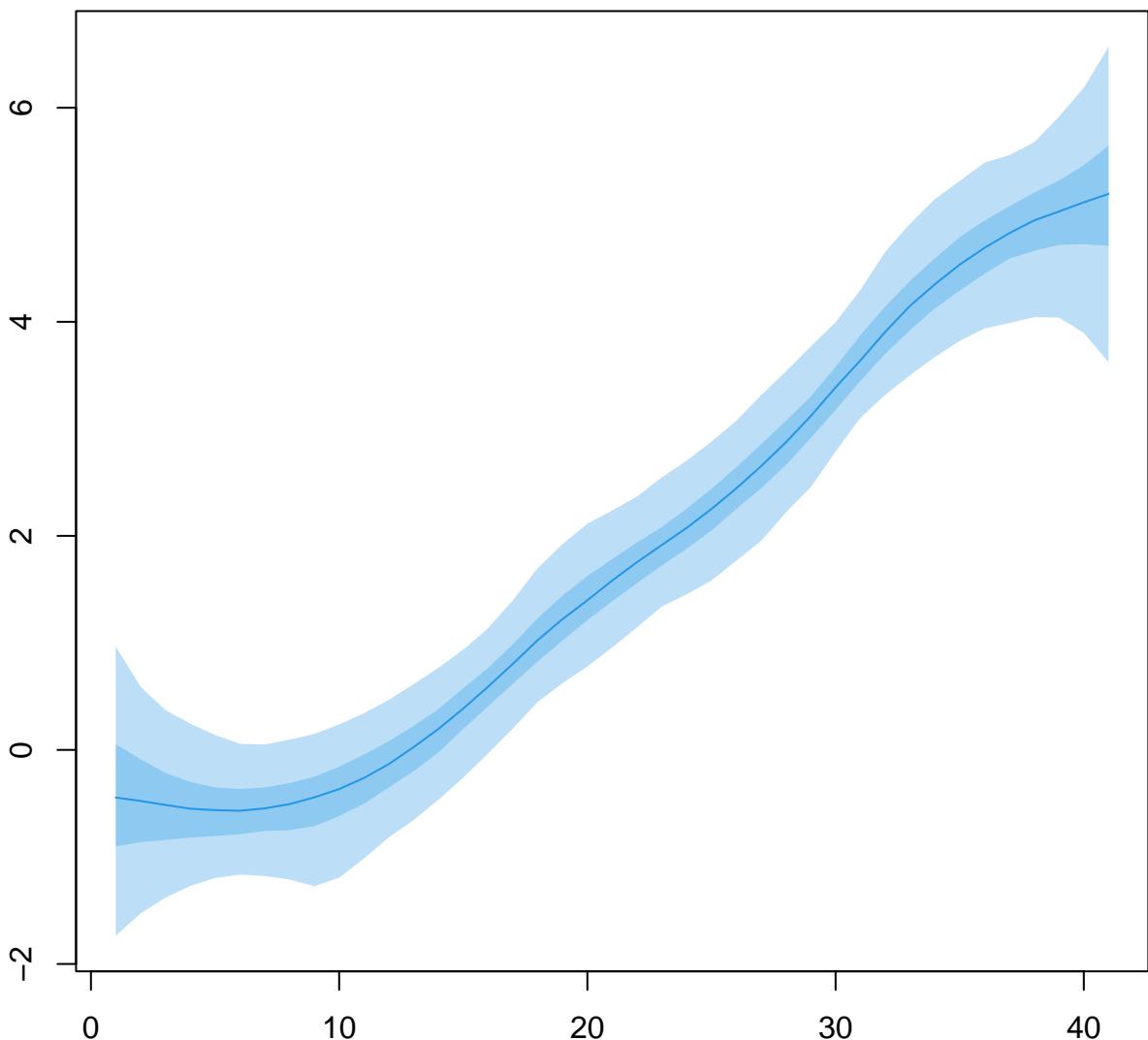
**a[2]****a[3]****sig\_a****deviance**



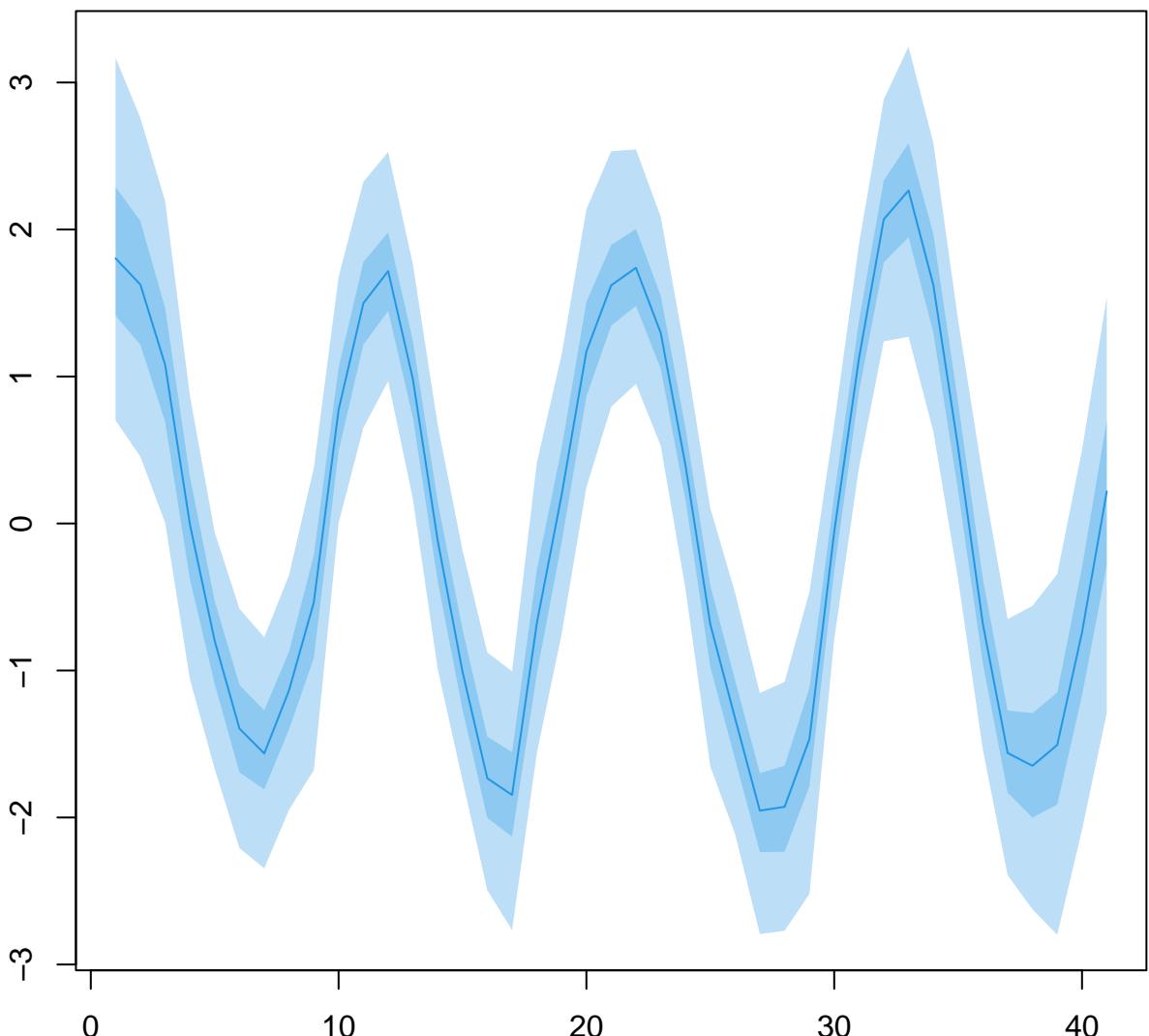




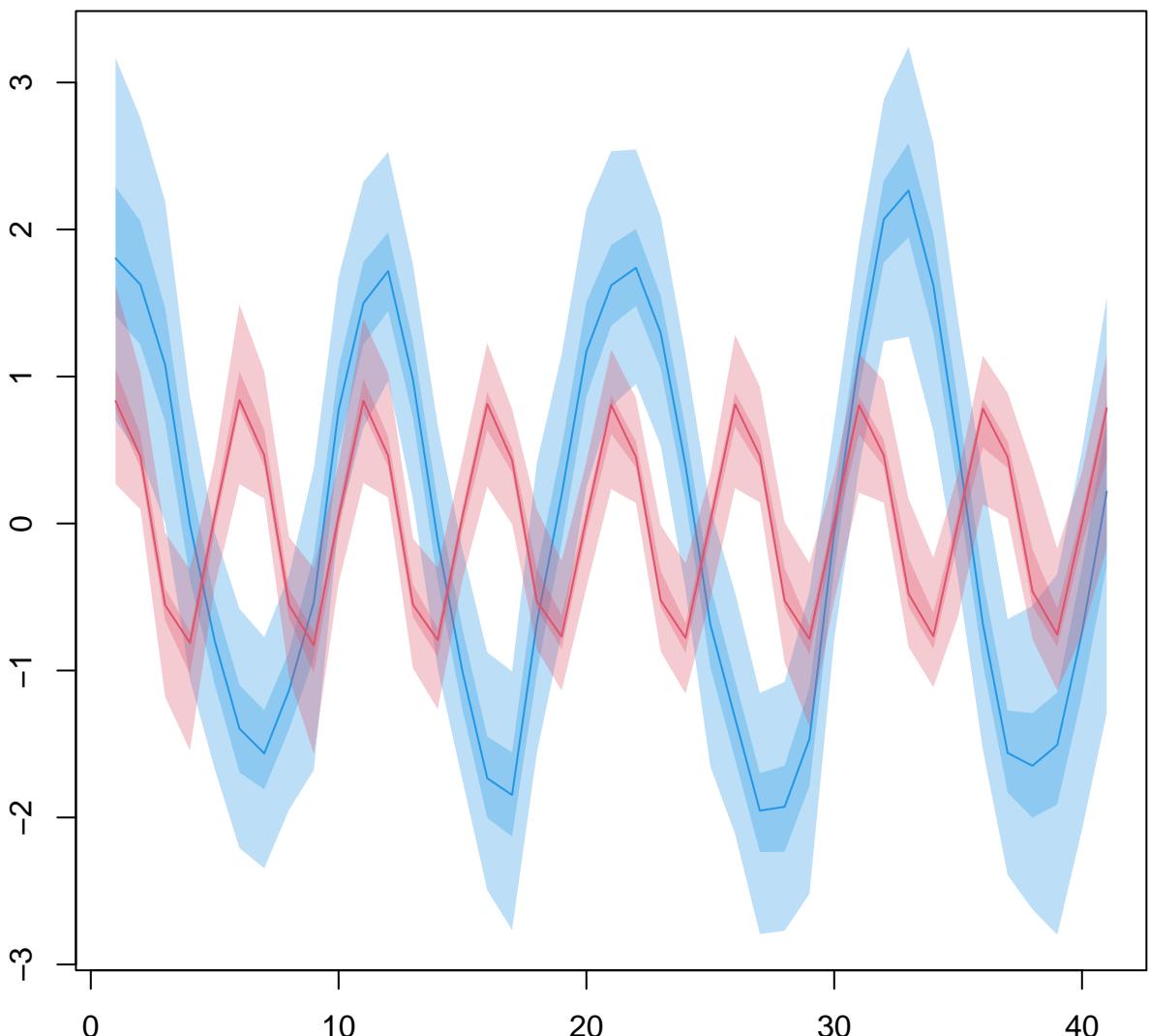
# trend

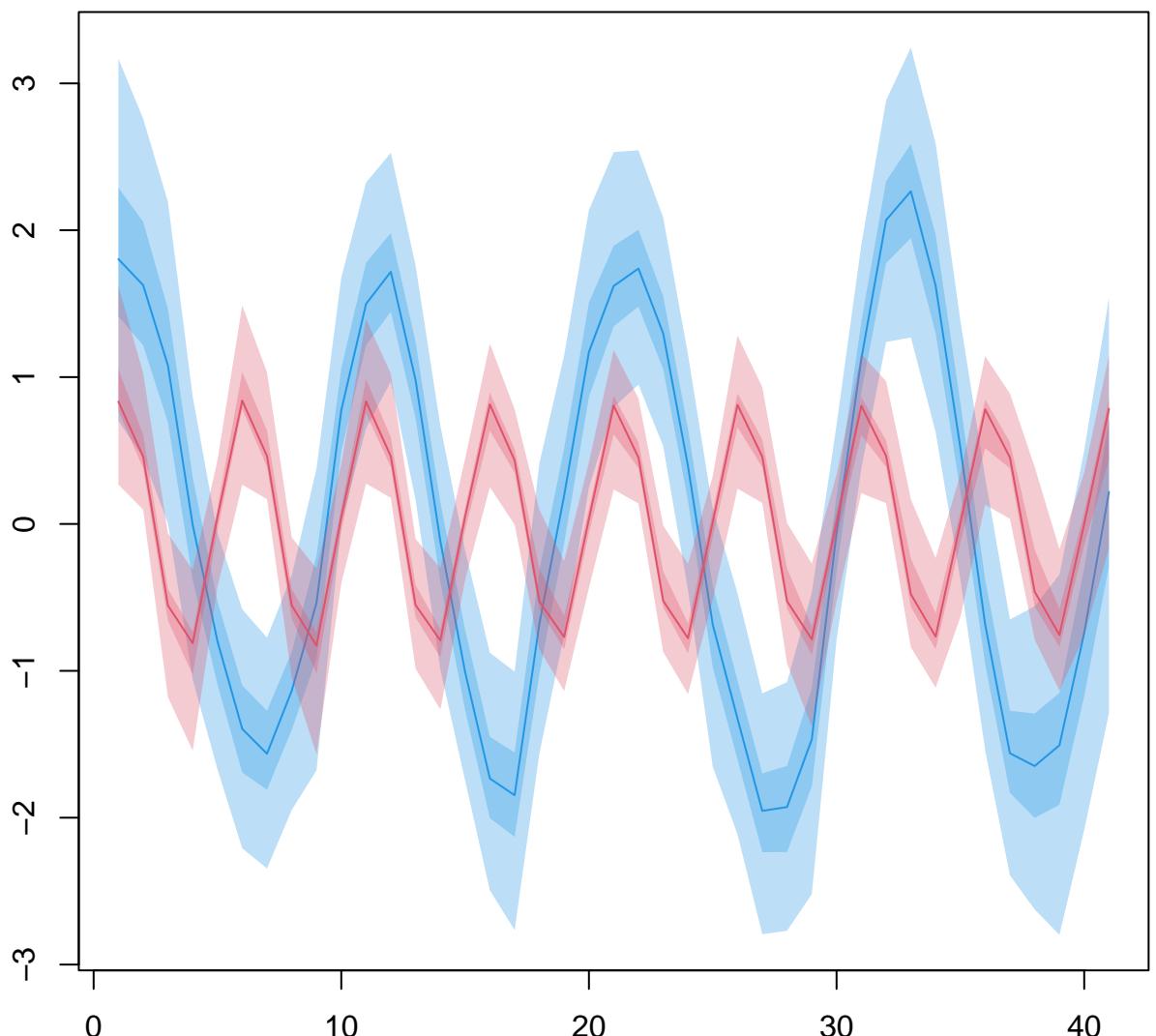


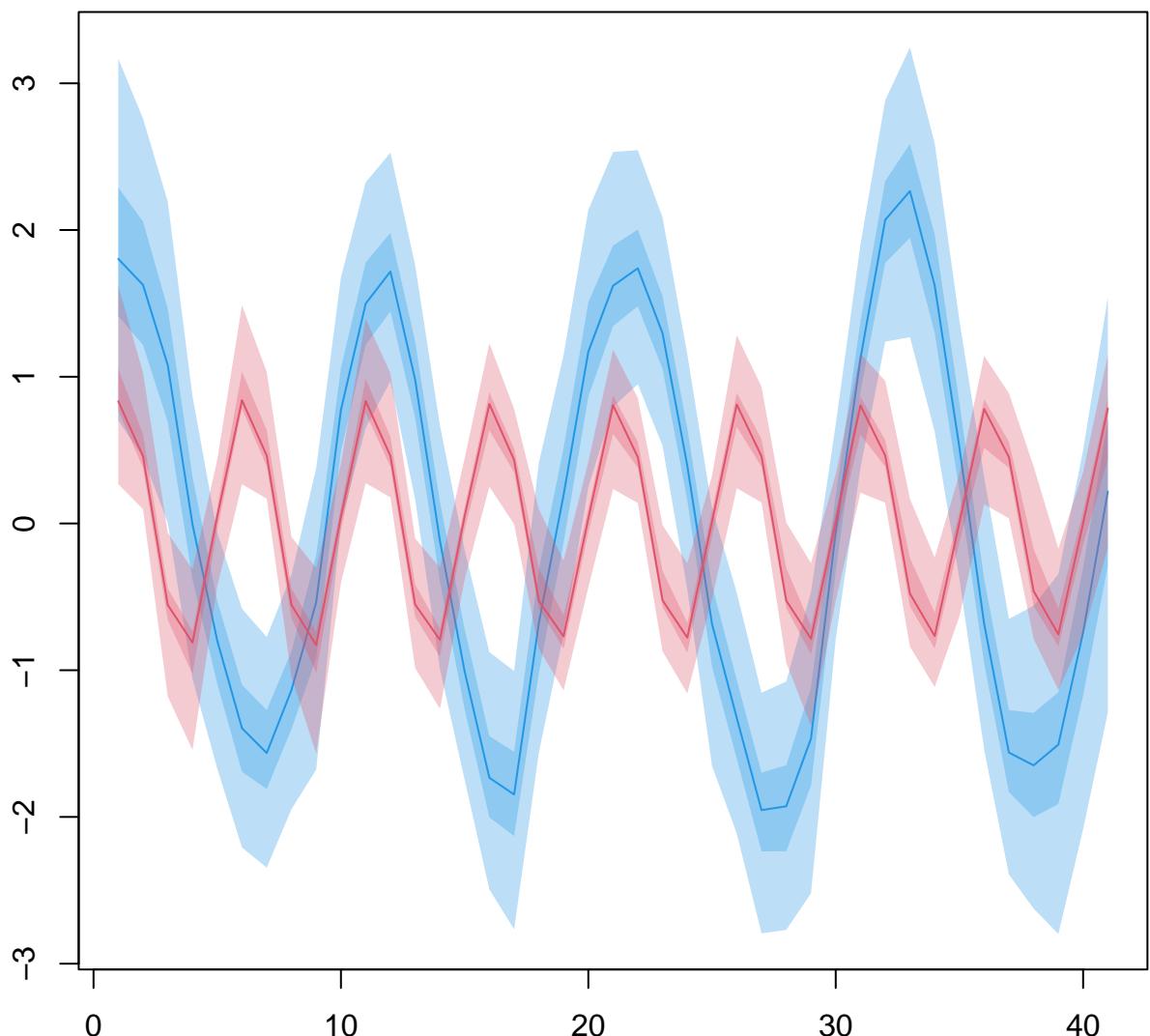
**cycle\_s[,1]**



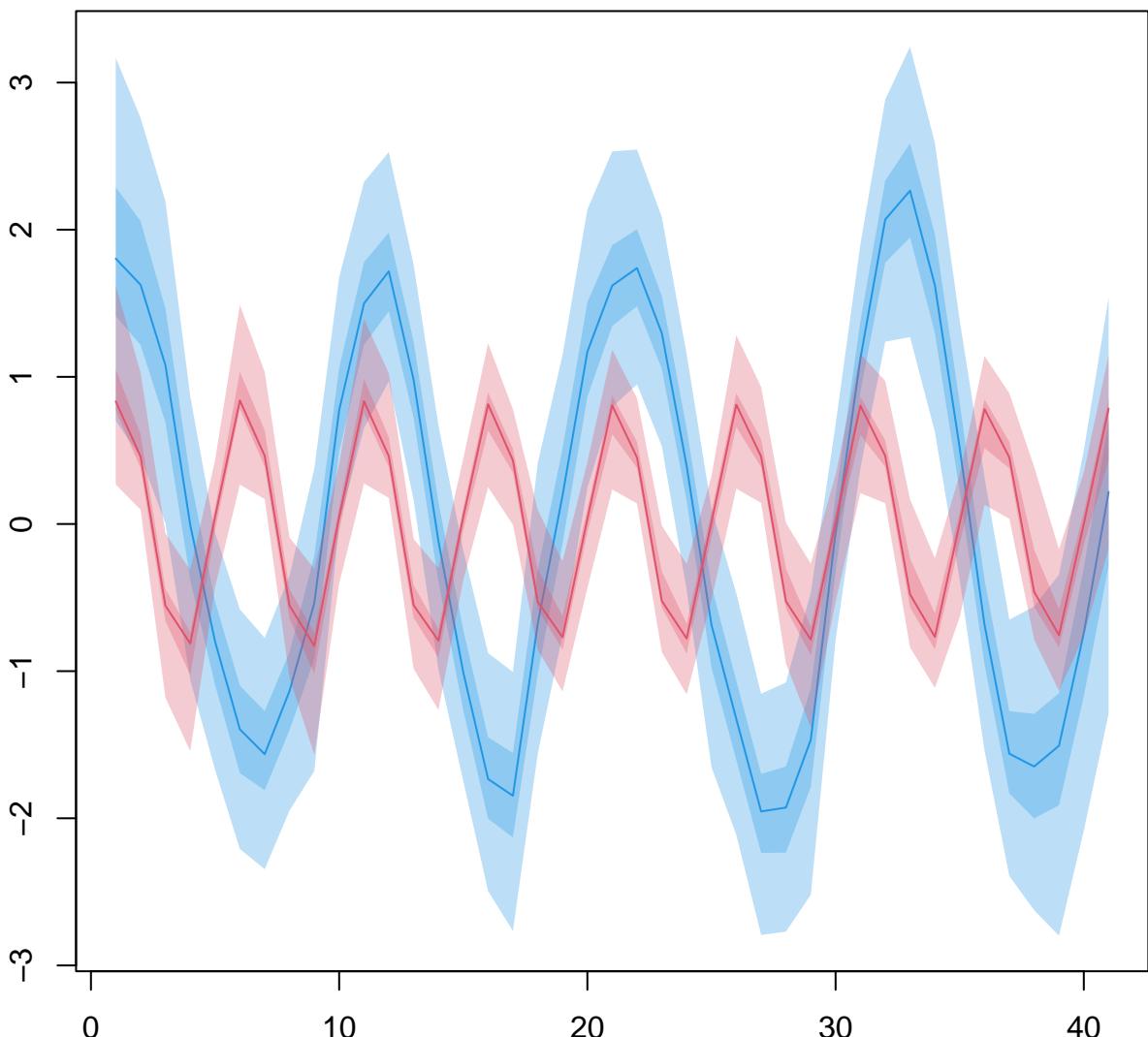
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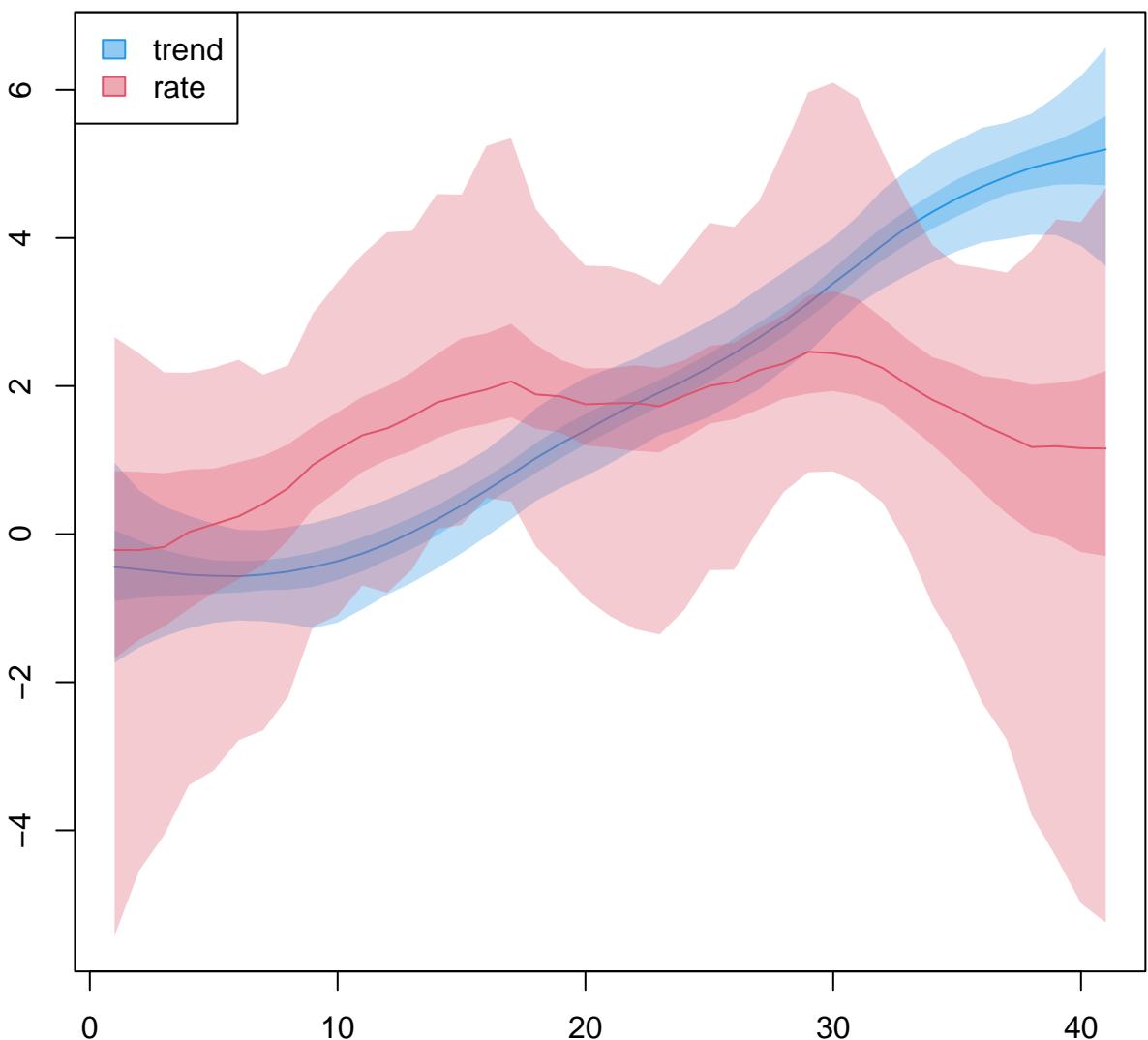


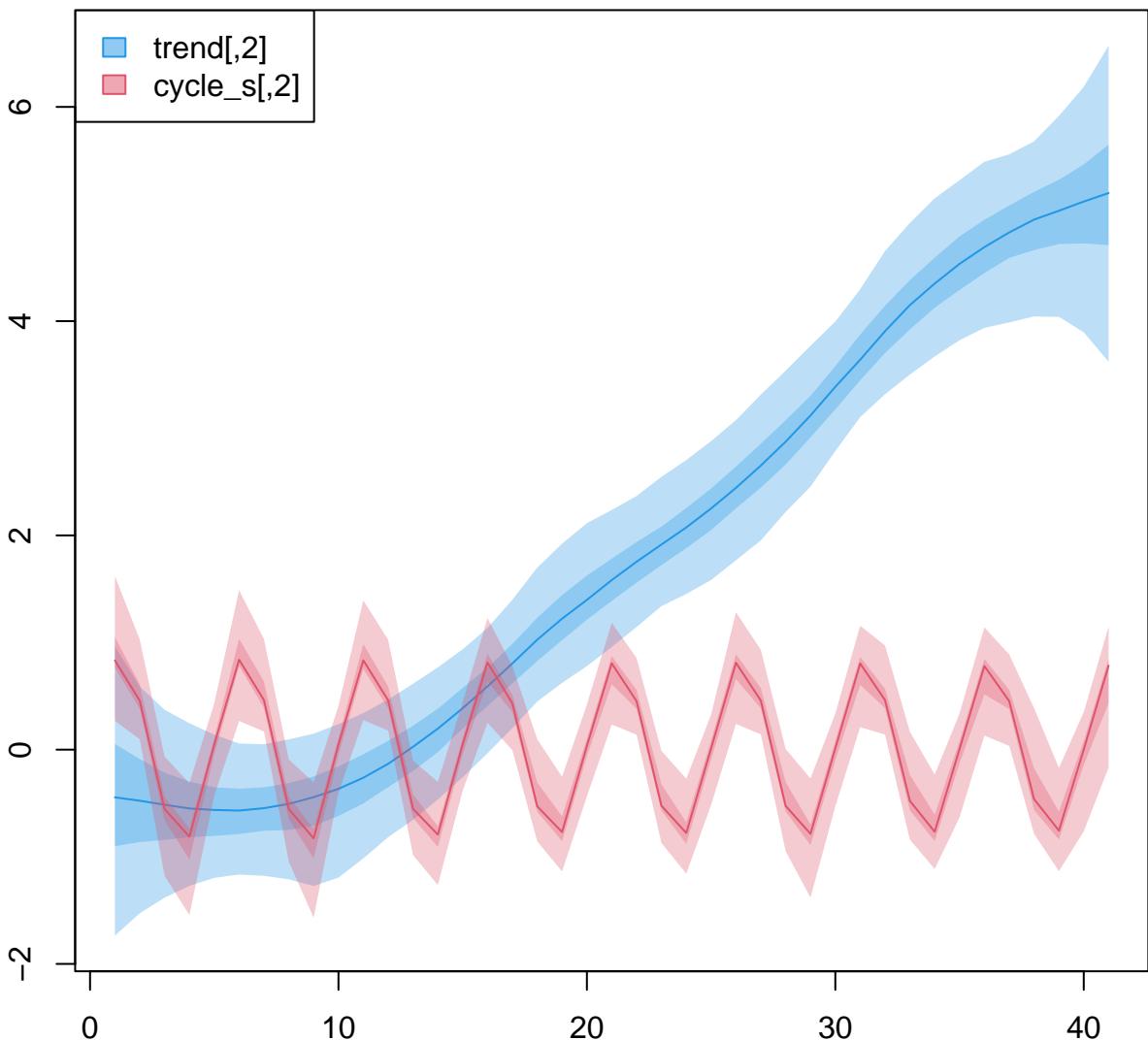


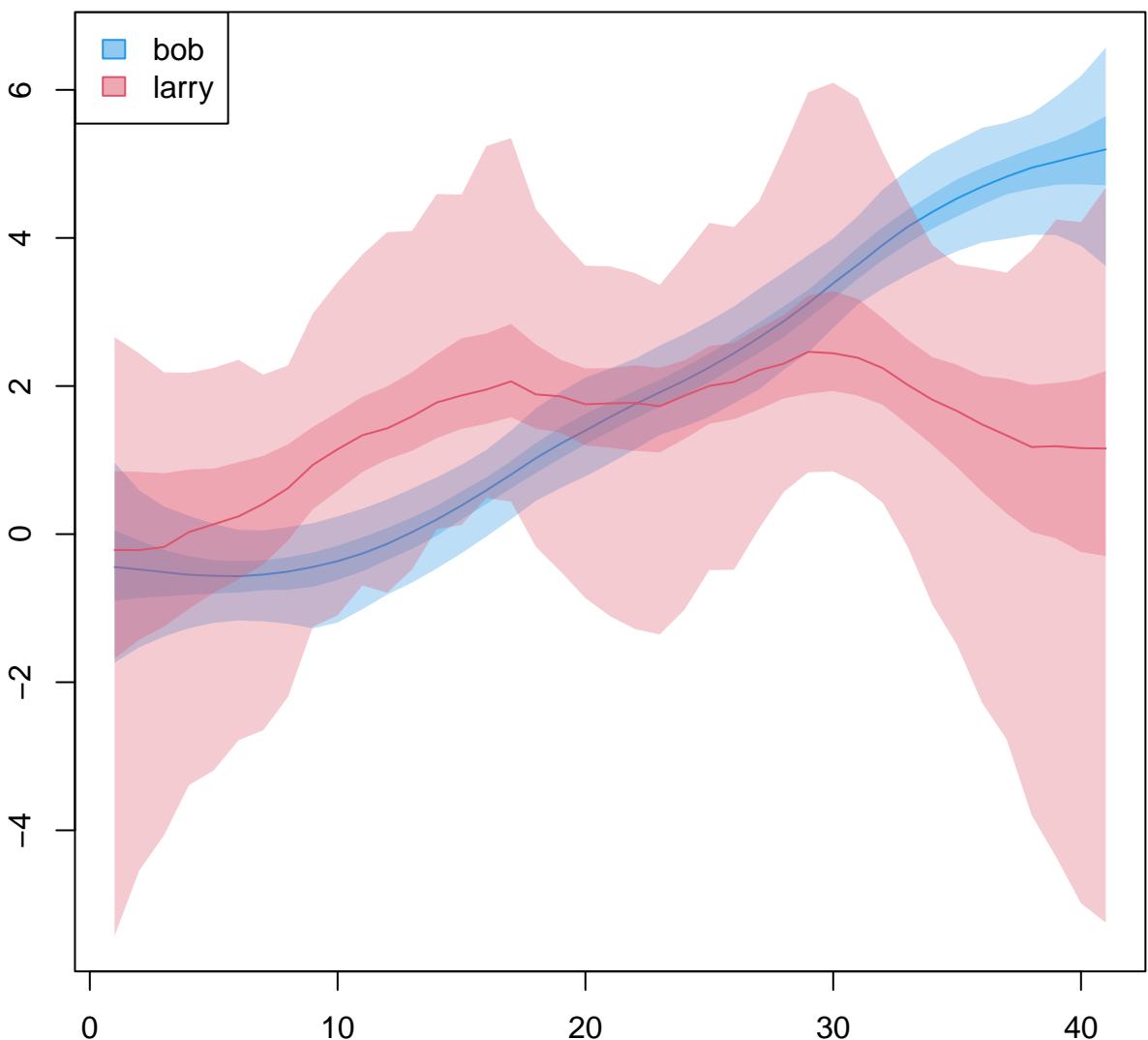


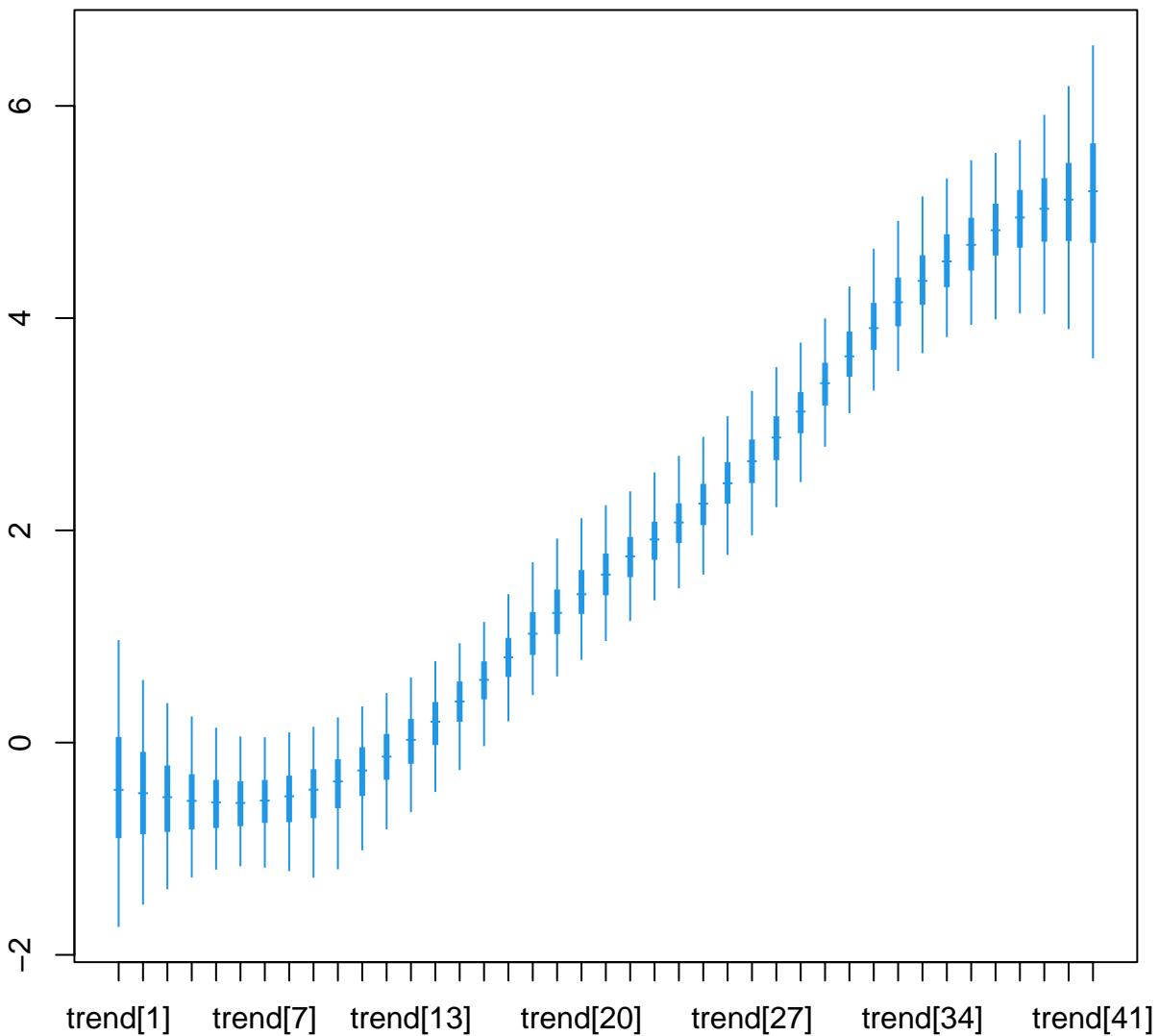
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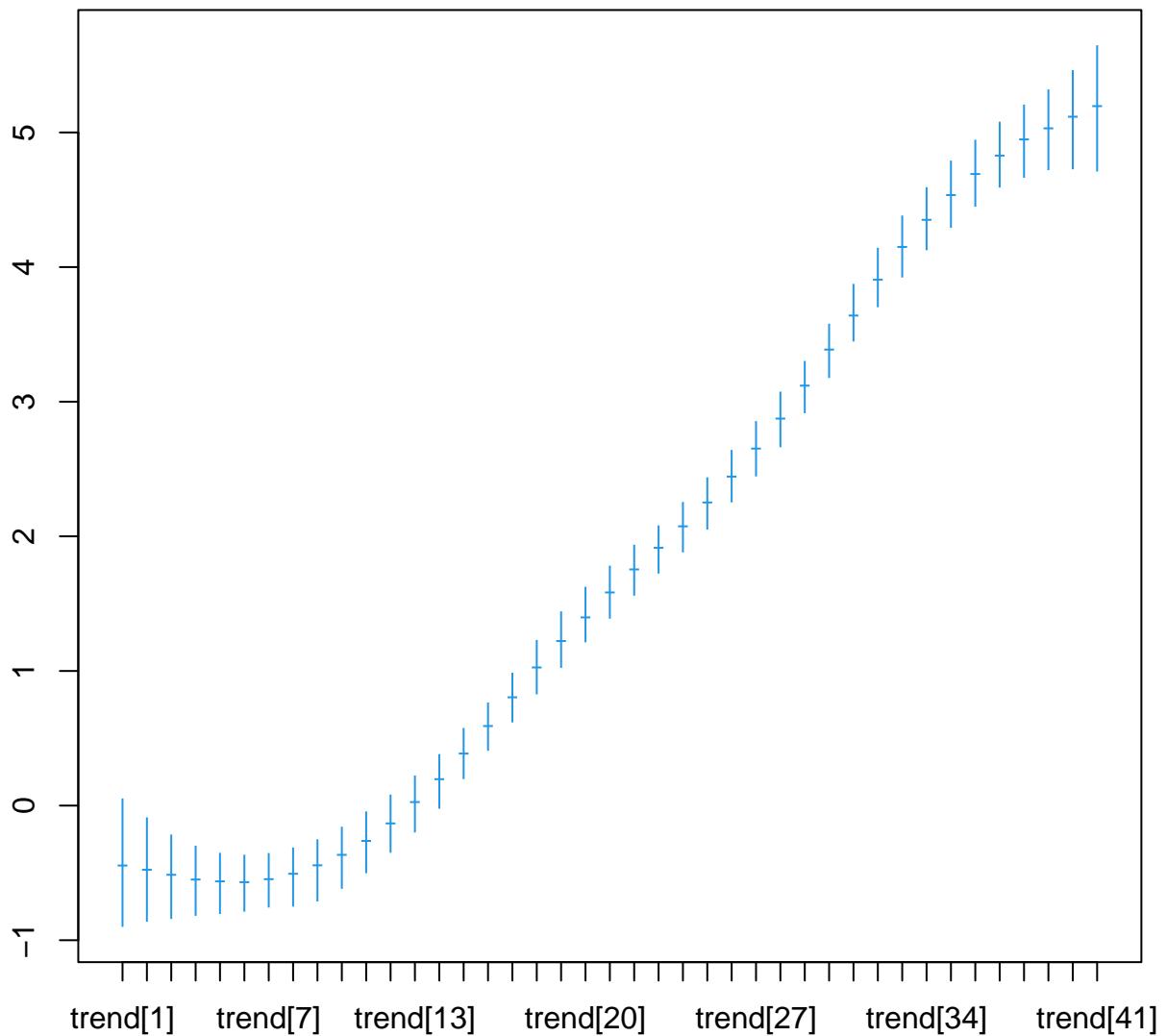


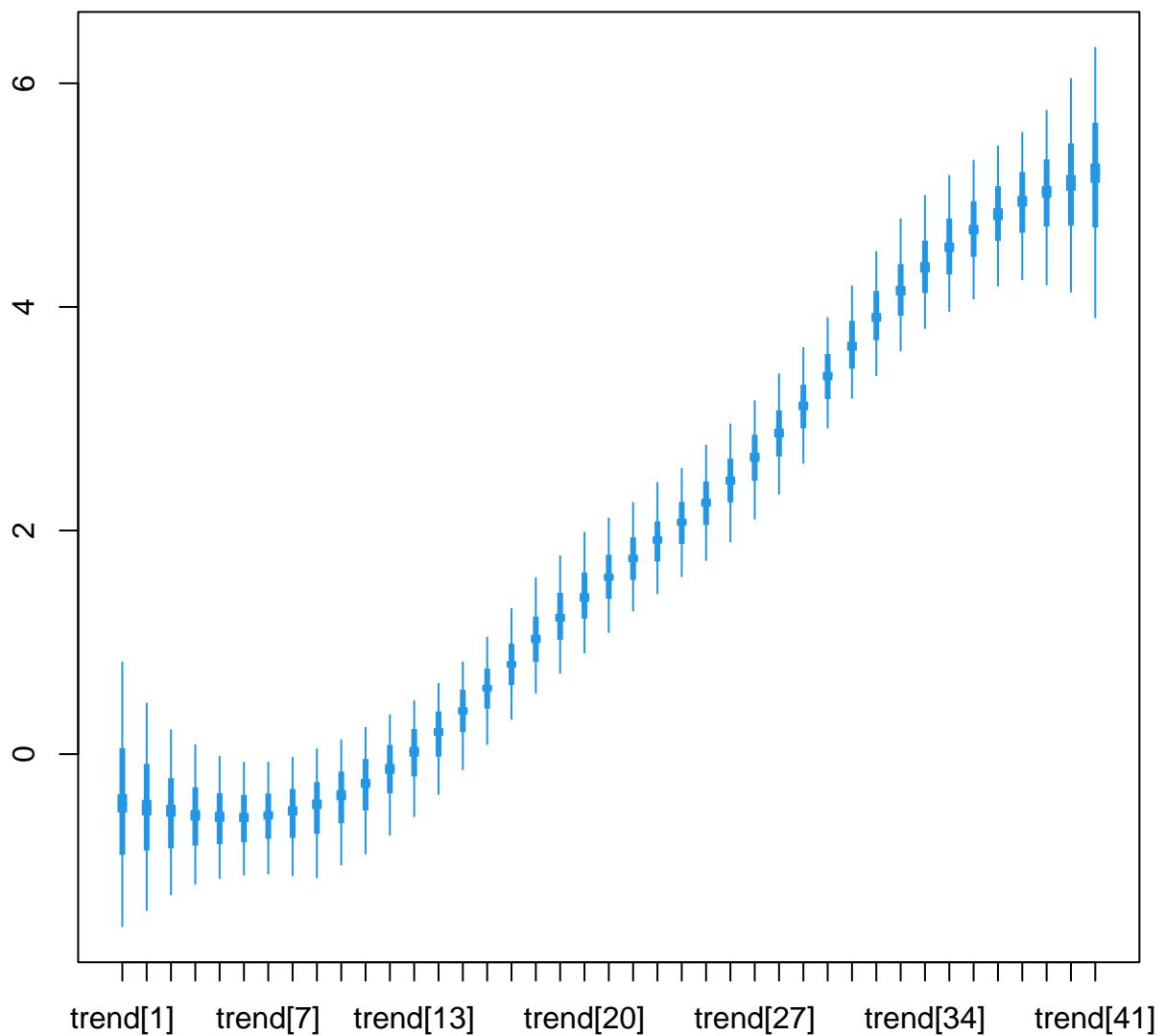




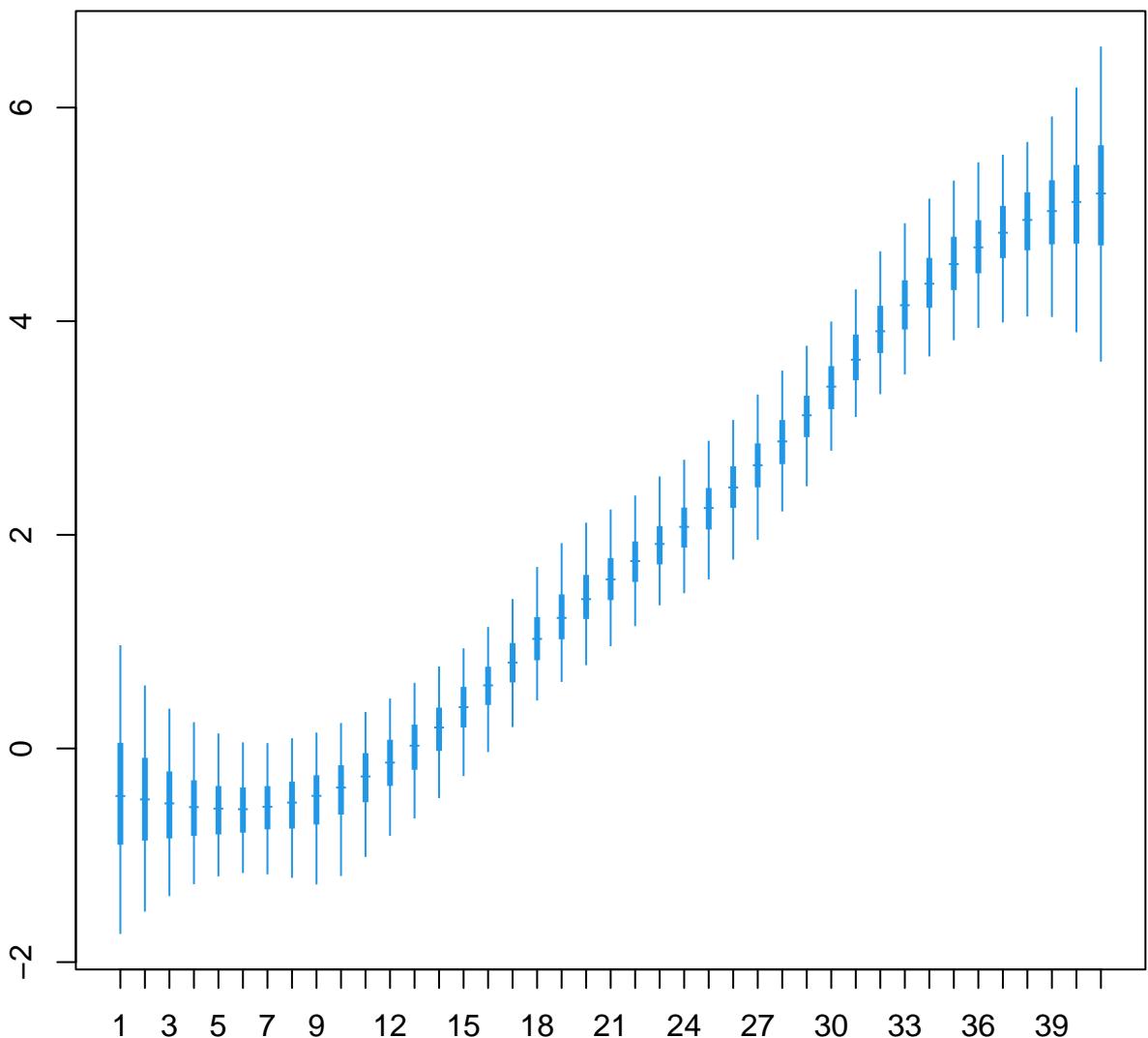




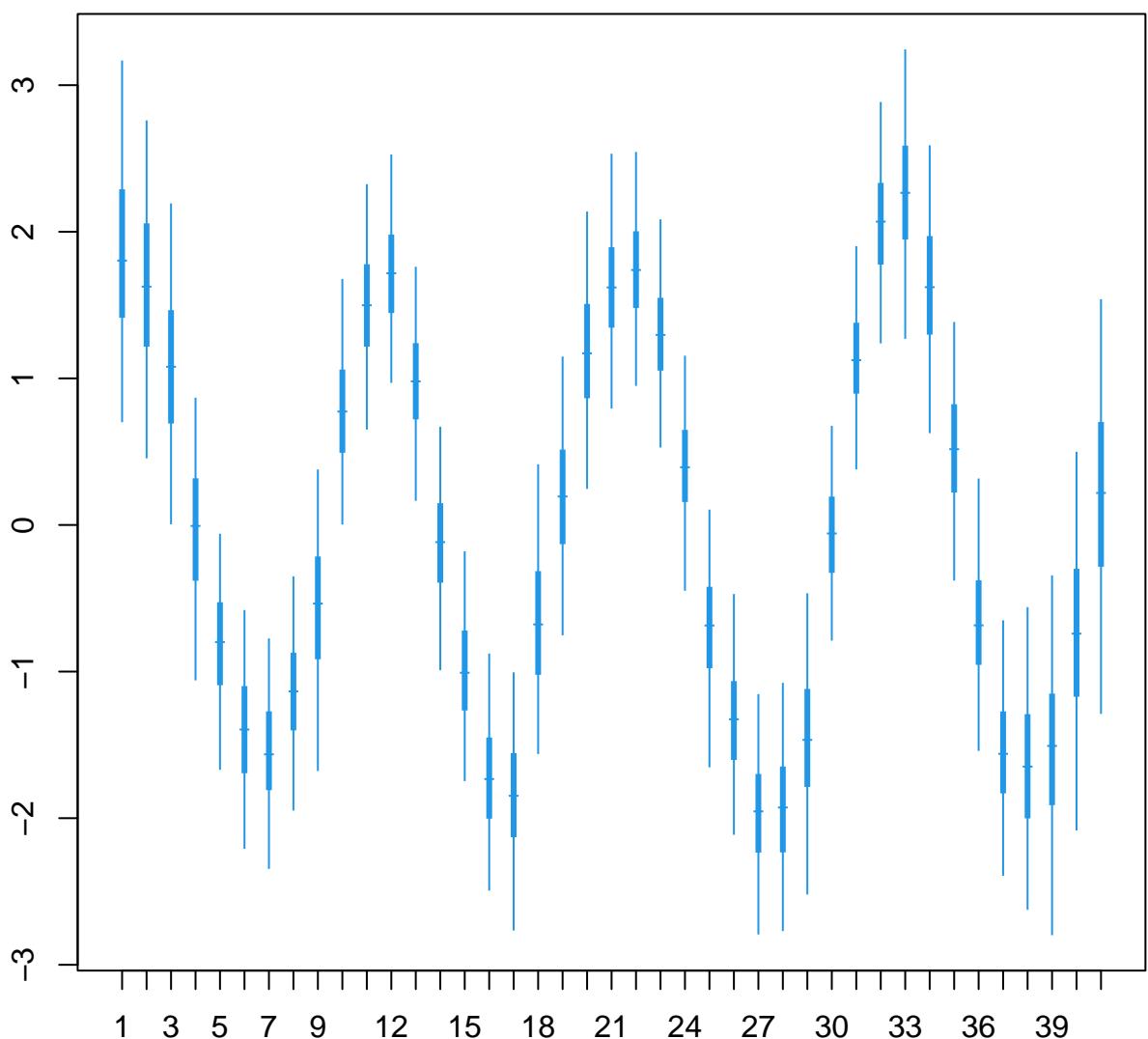




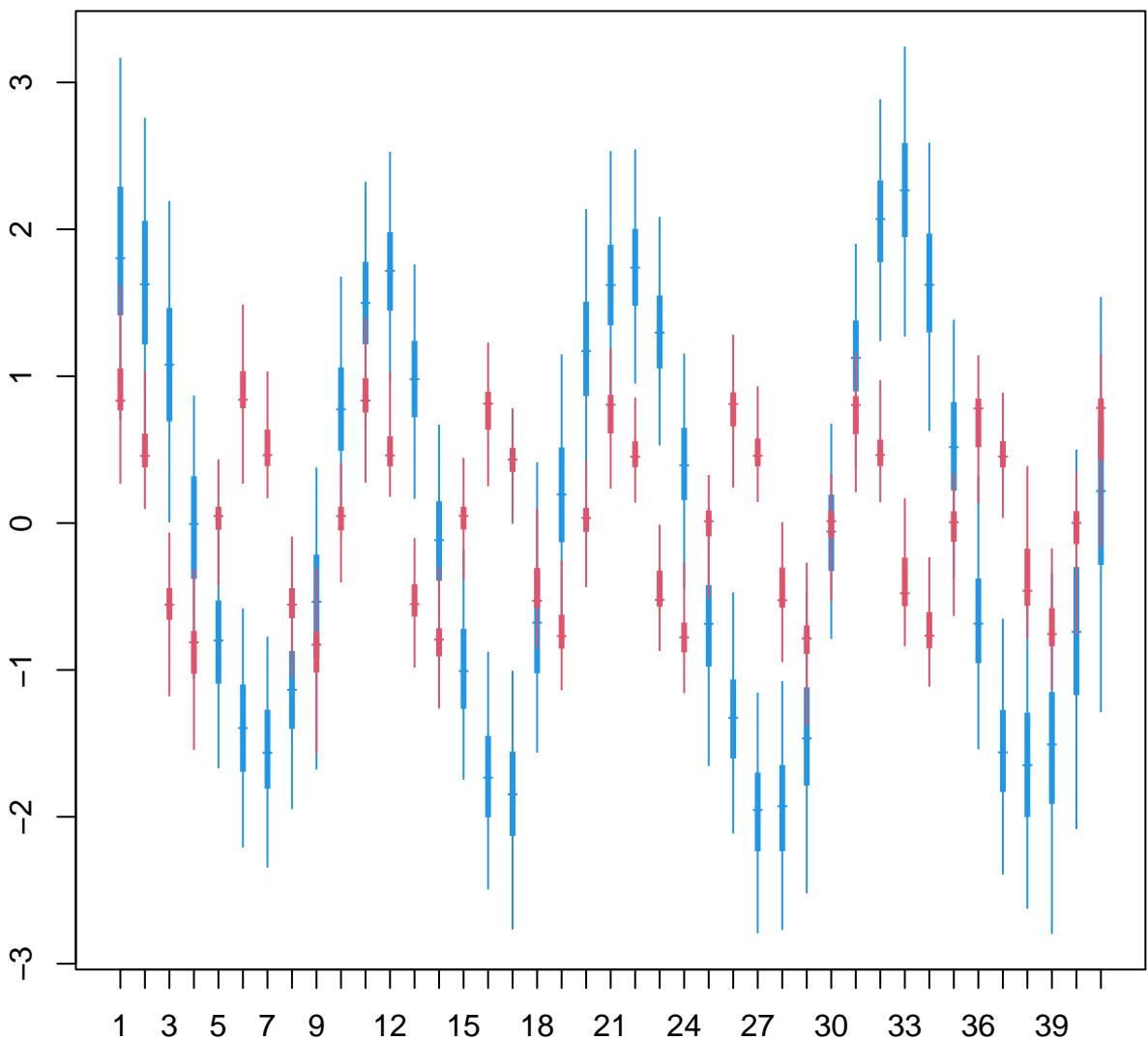
# trend

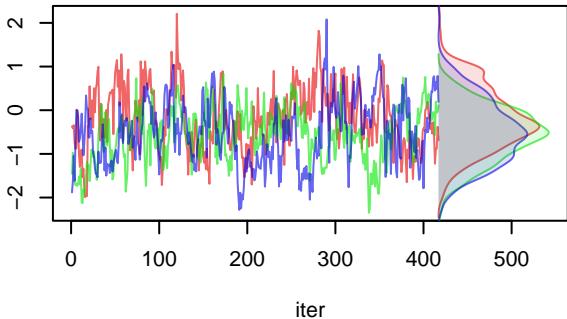
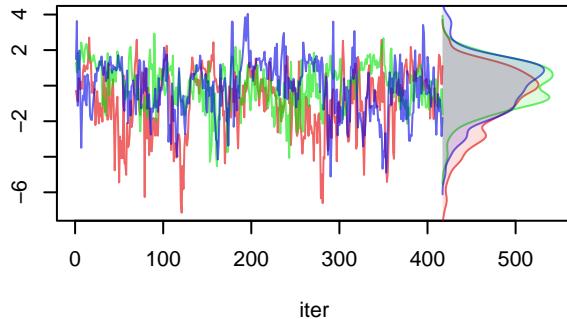
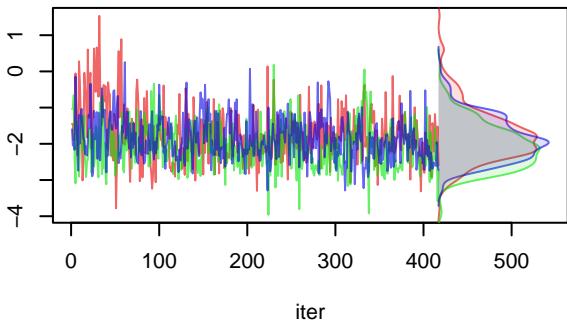
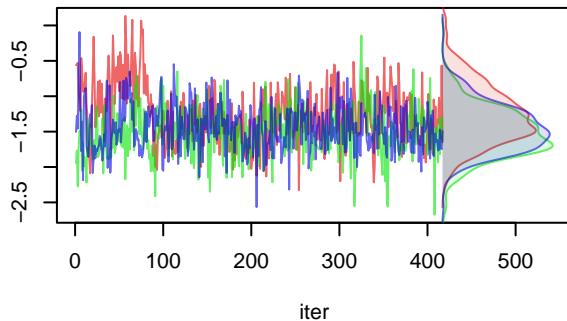
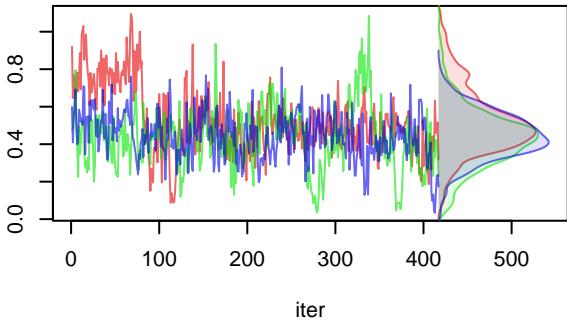
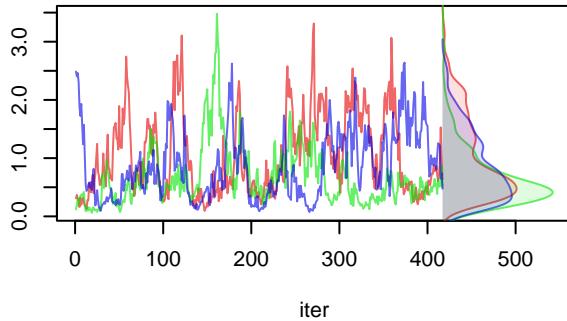


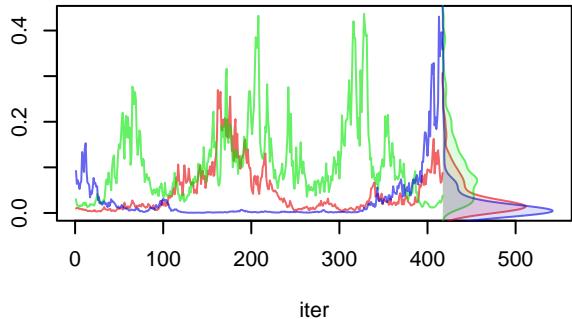
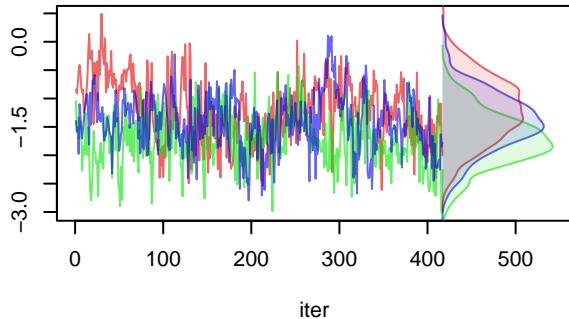
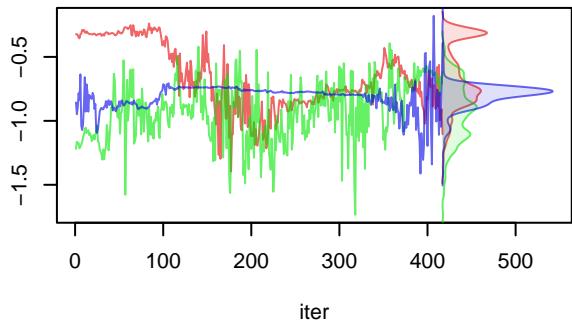
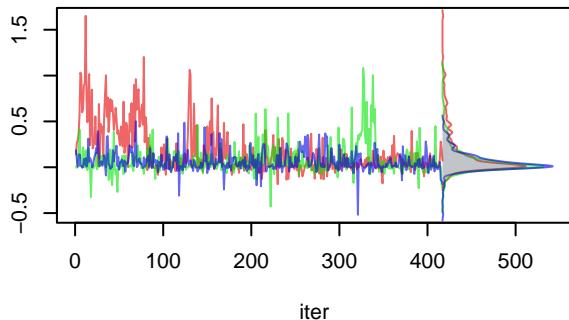
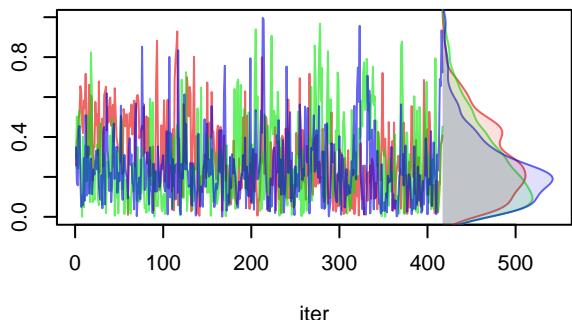
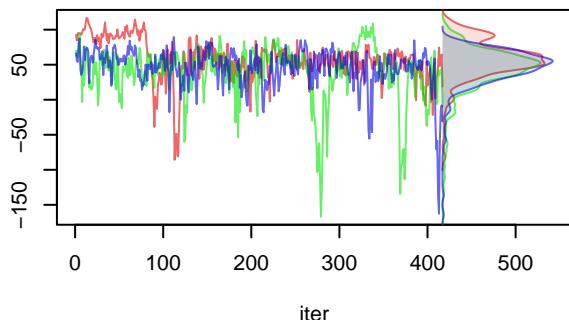
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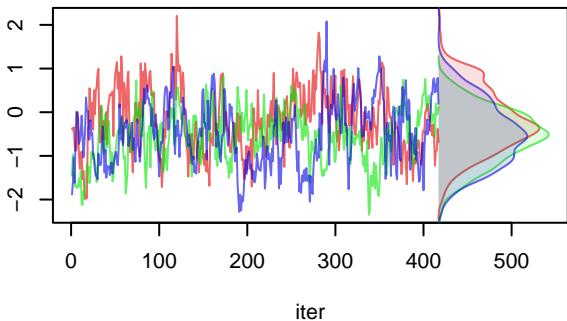
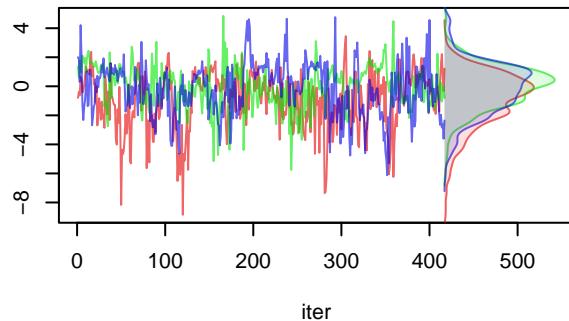
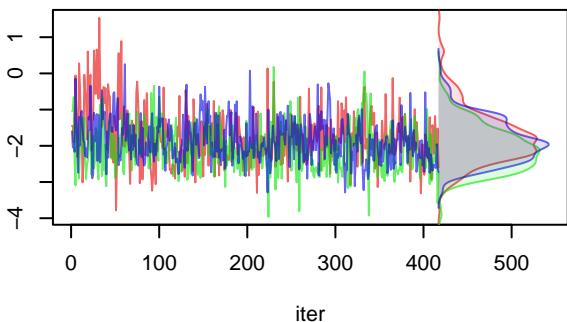
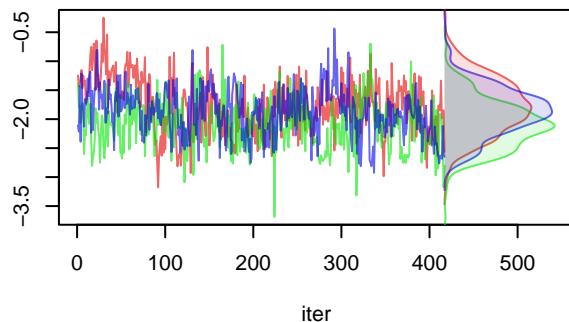
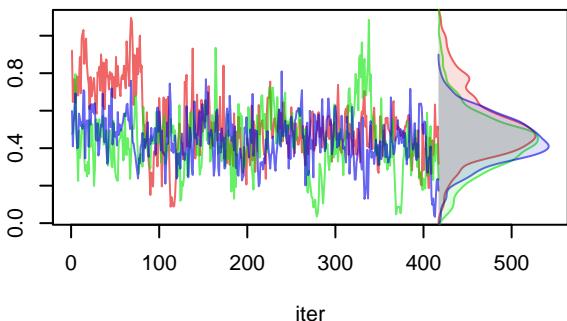
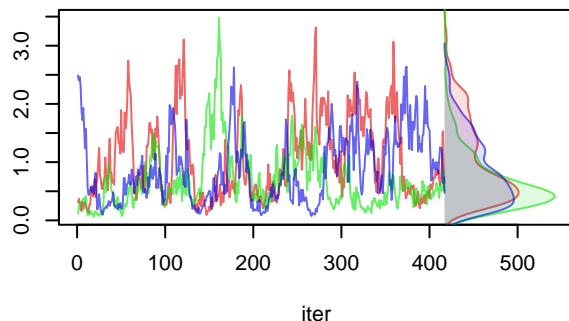


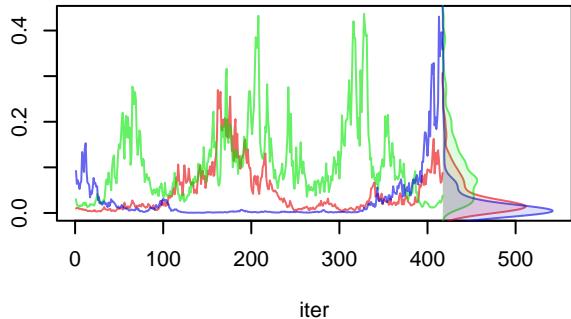
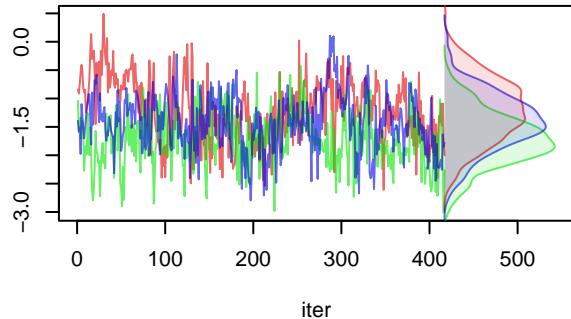
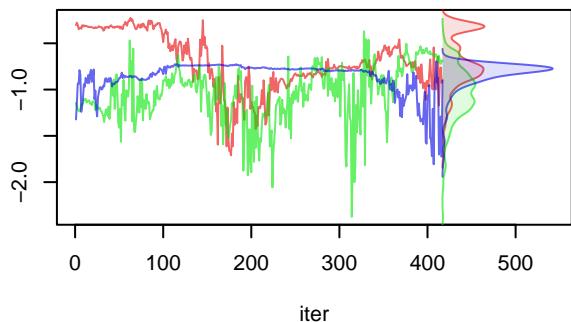
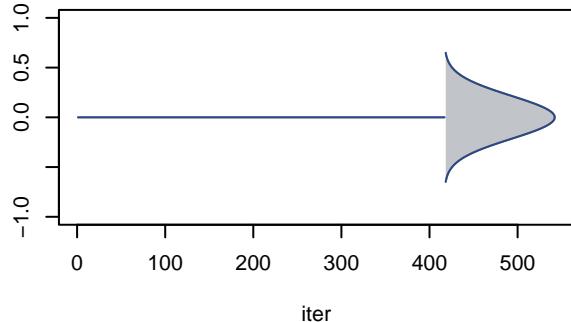
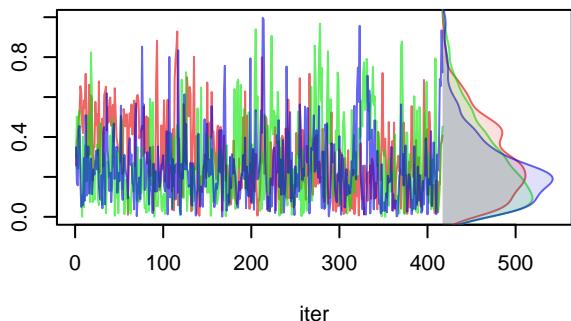
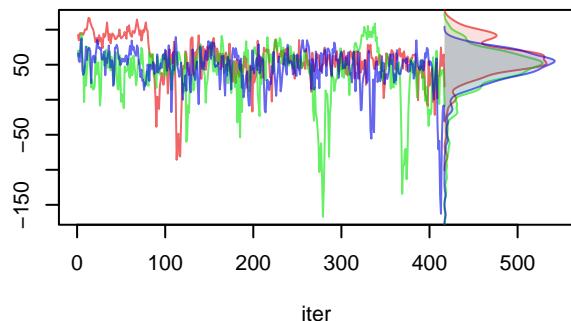
# cycle\_s



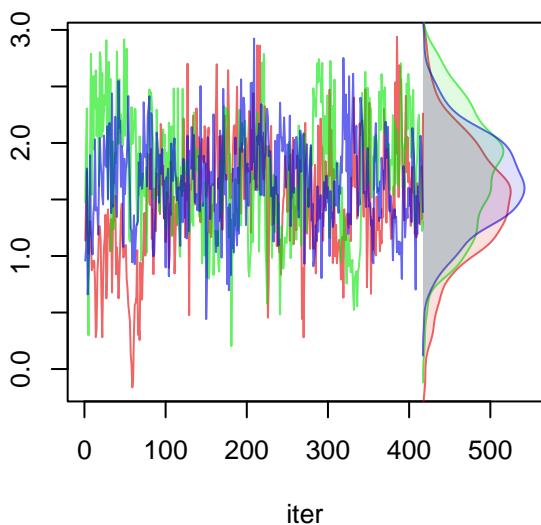
**trend[1]****rate[3]****ypp[9]****fit[4]****sig\_eps****sig\_xi**

**sig\_omega[2]****cycle[9]****cycle\_s[14,2]****ar1[21]****phi****deviance**

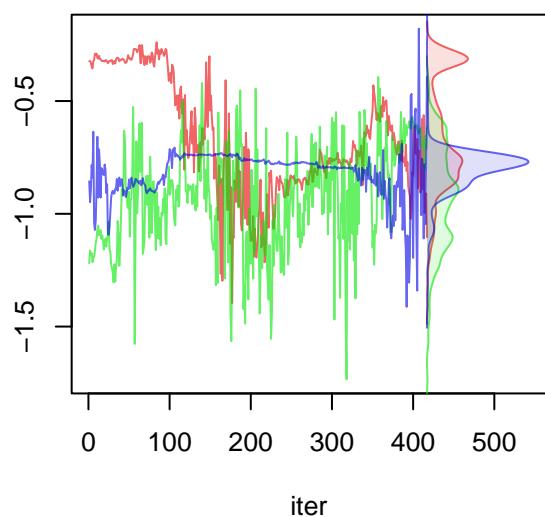
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**sig\_omega[2]****cycle[9]****cycle\_s[9,2]****ar1[1]****phi****deviance**

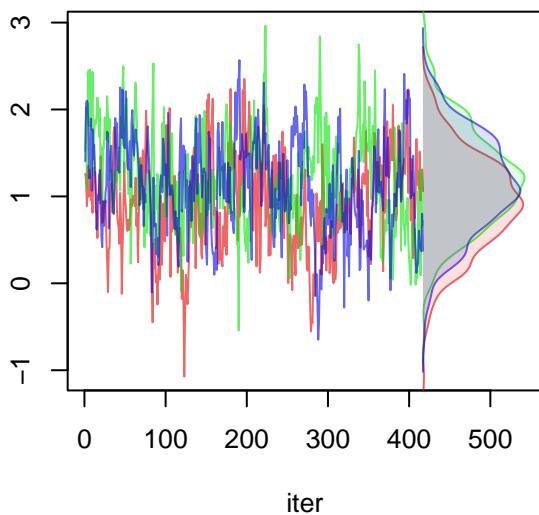
**cycle\_s[34,1]**



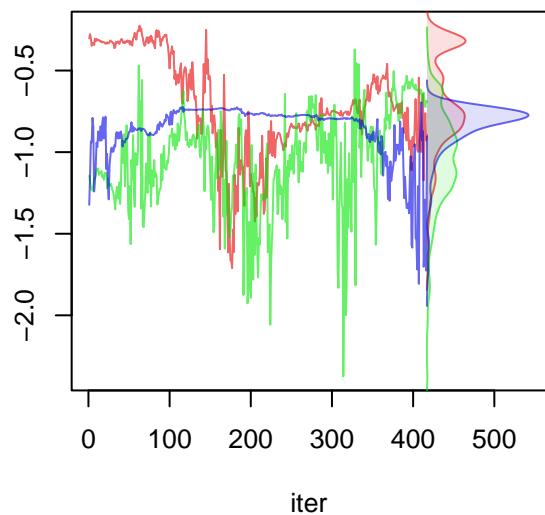
**cycle\_s[14,2]**



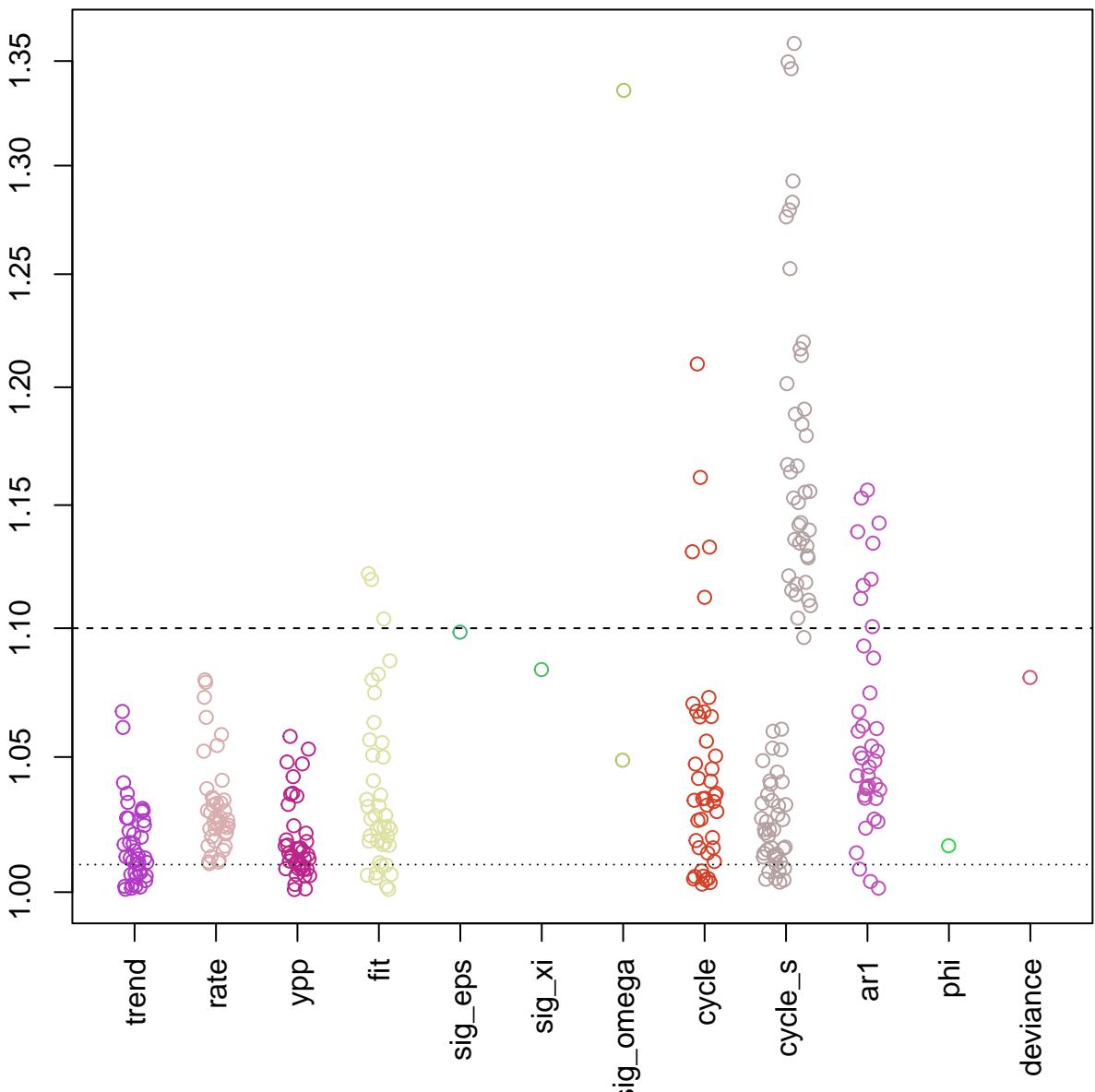
**cycle\_s[3,1]**



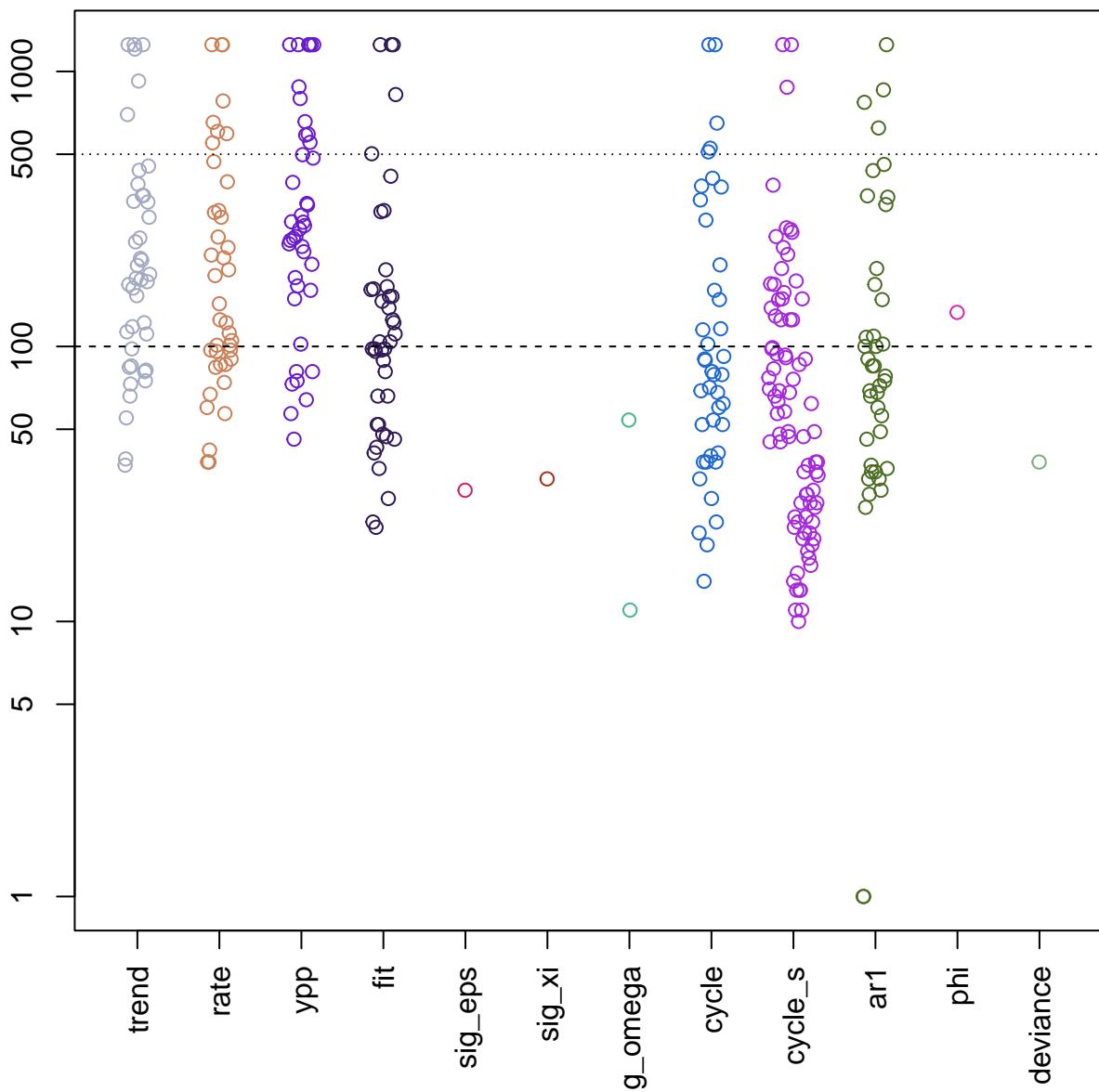
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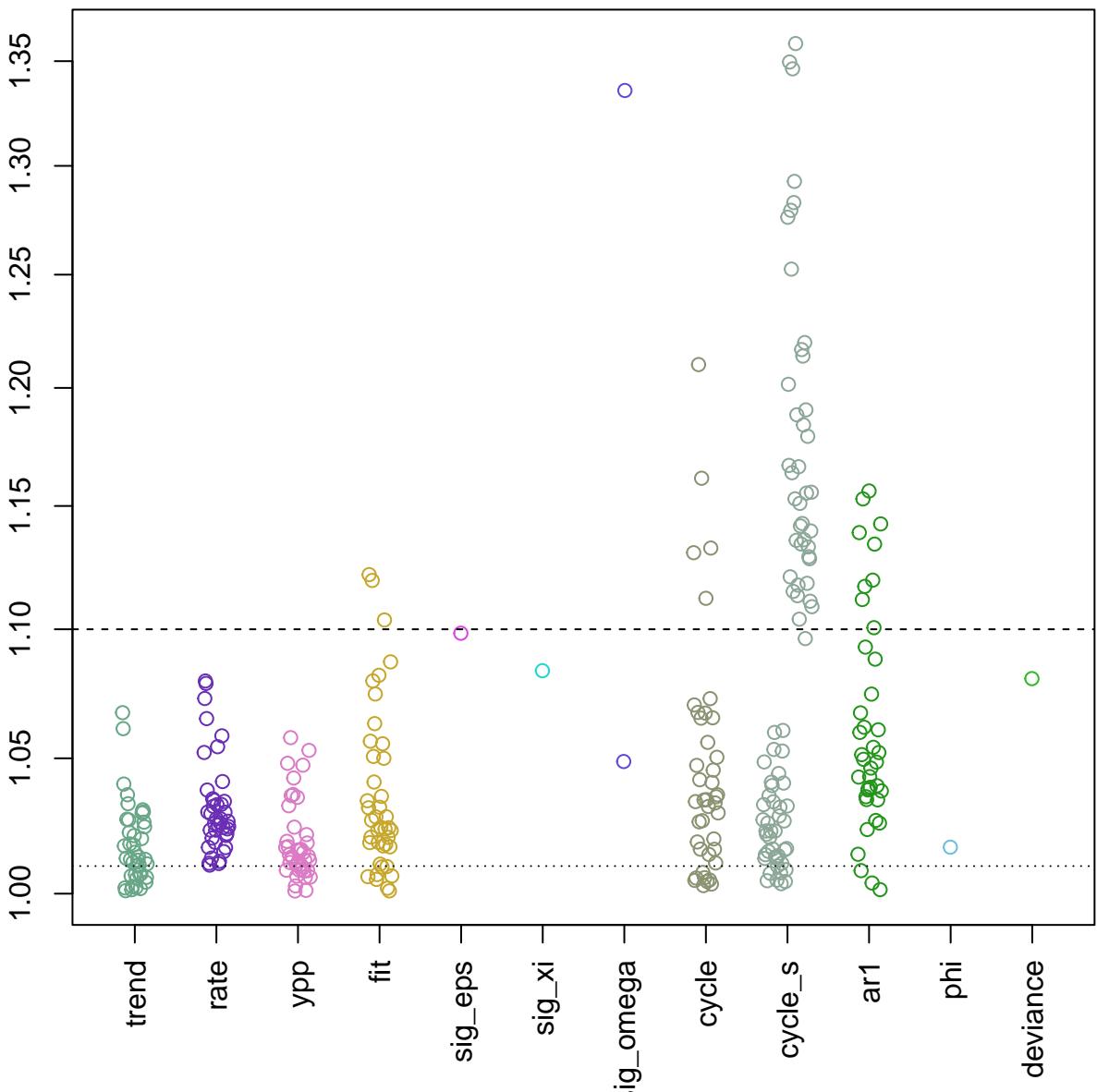
# R hat



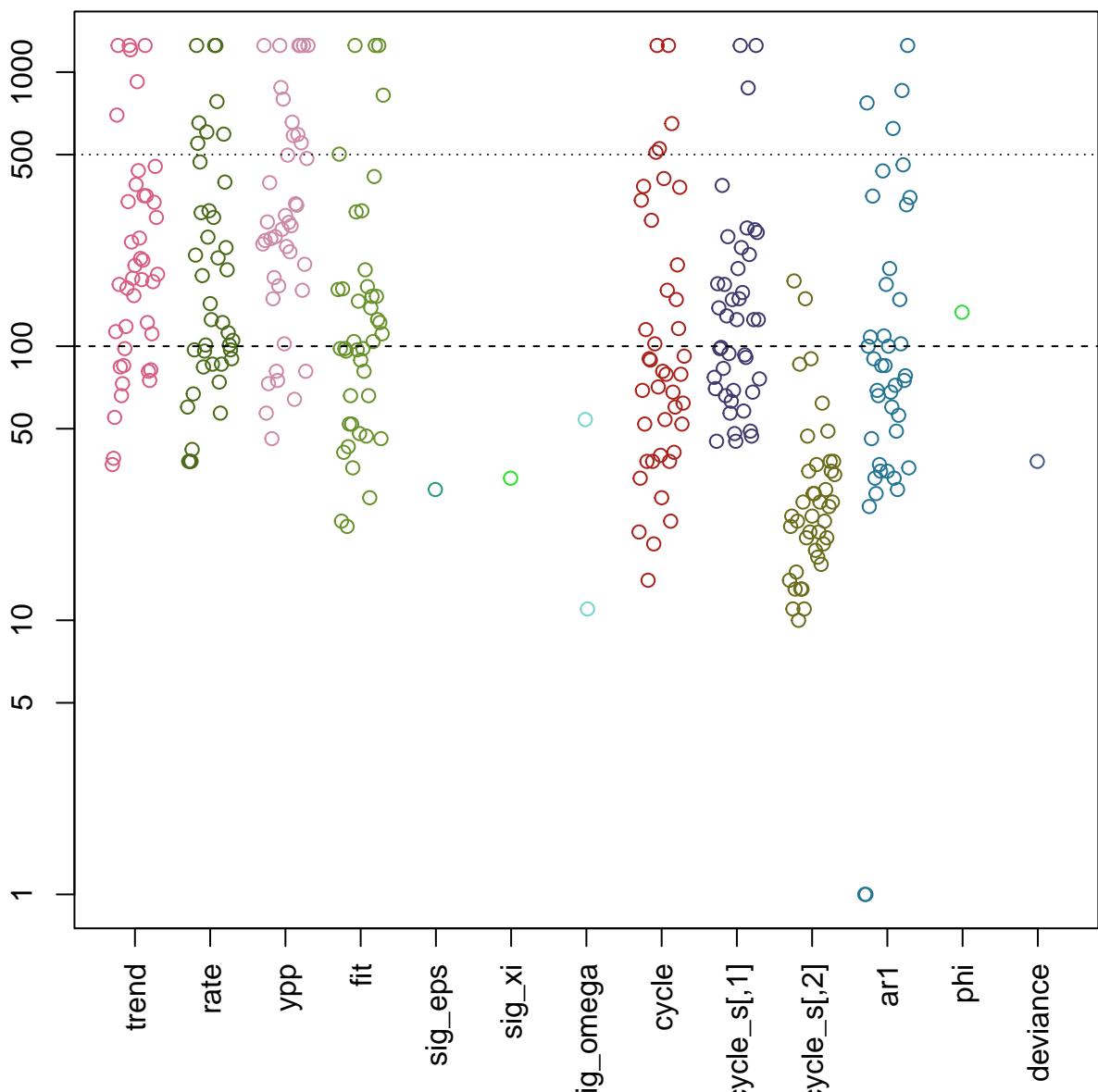
# n eff



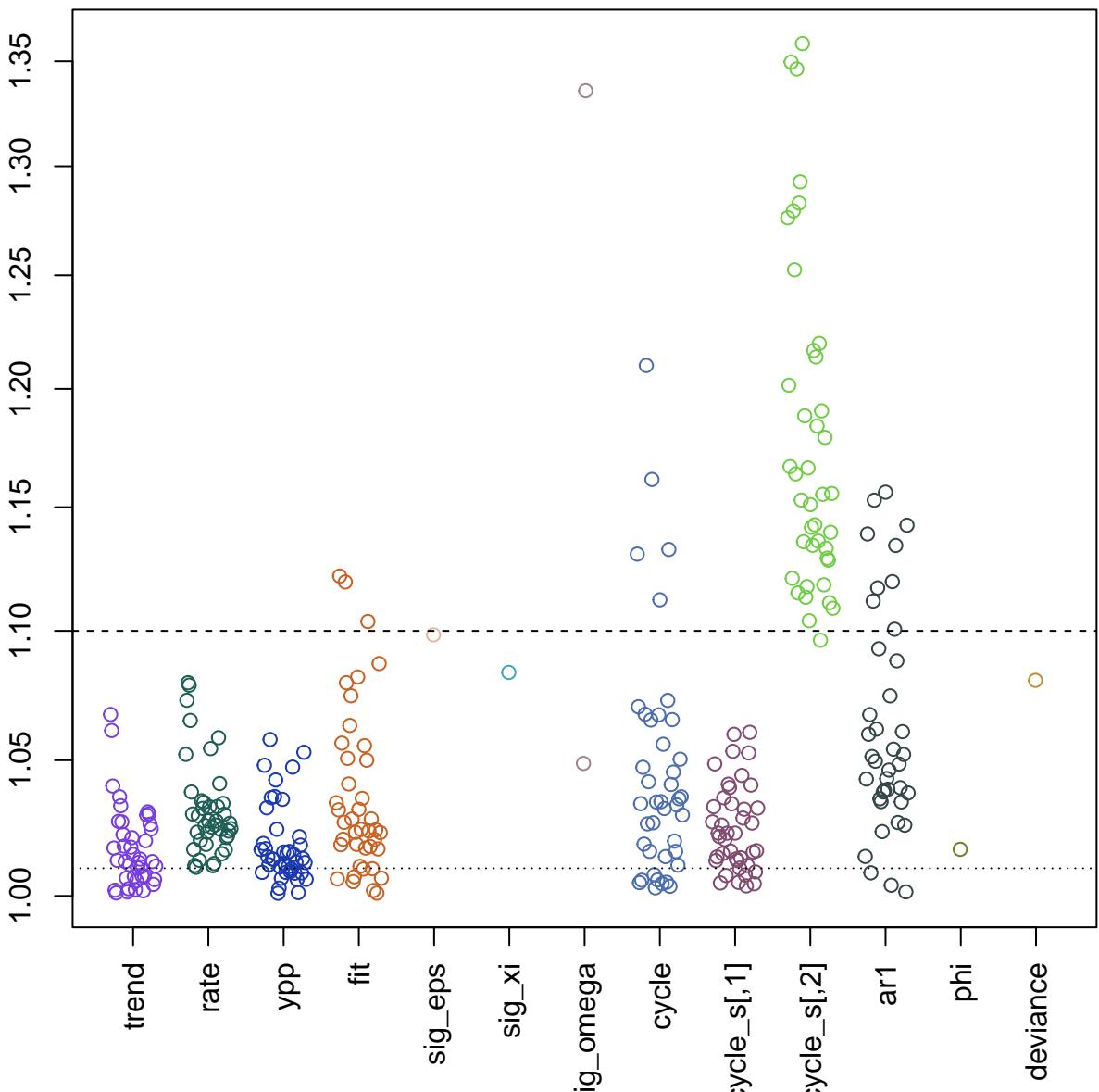
# R hat



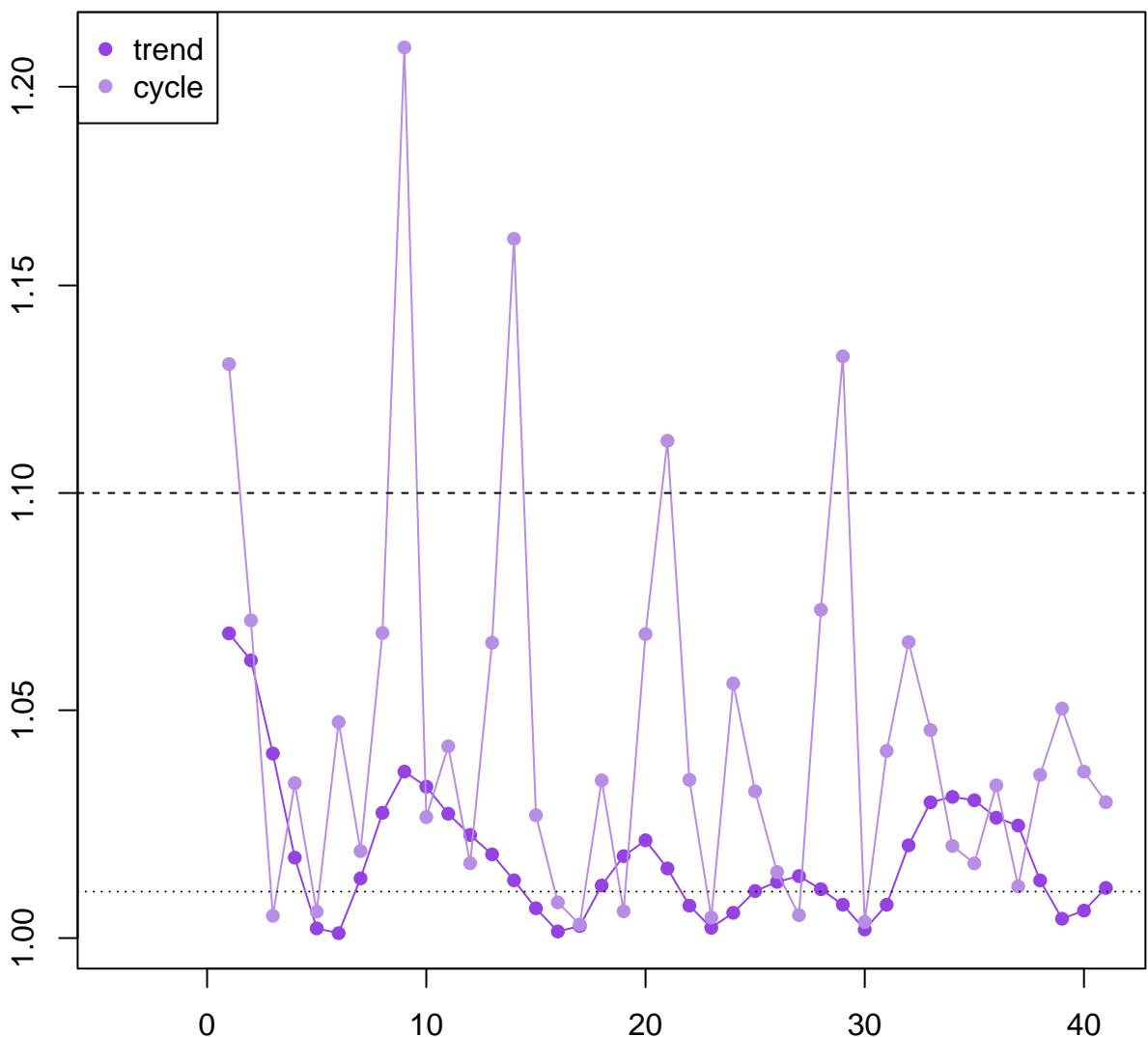
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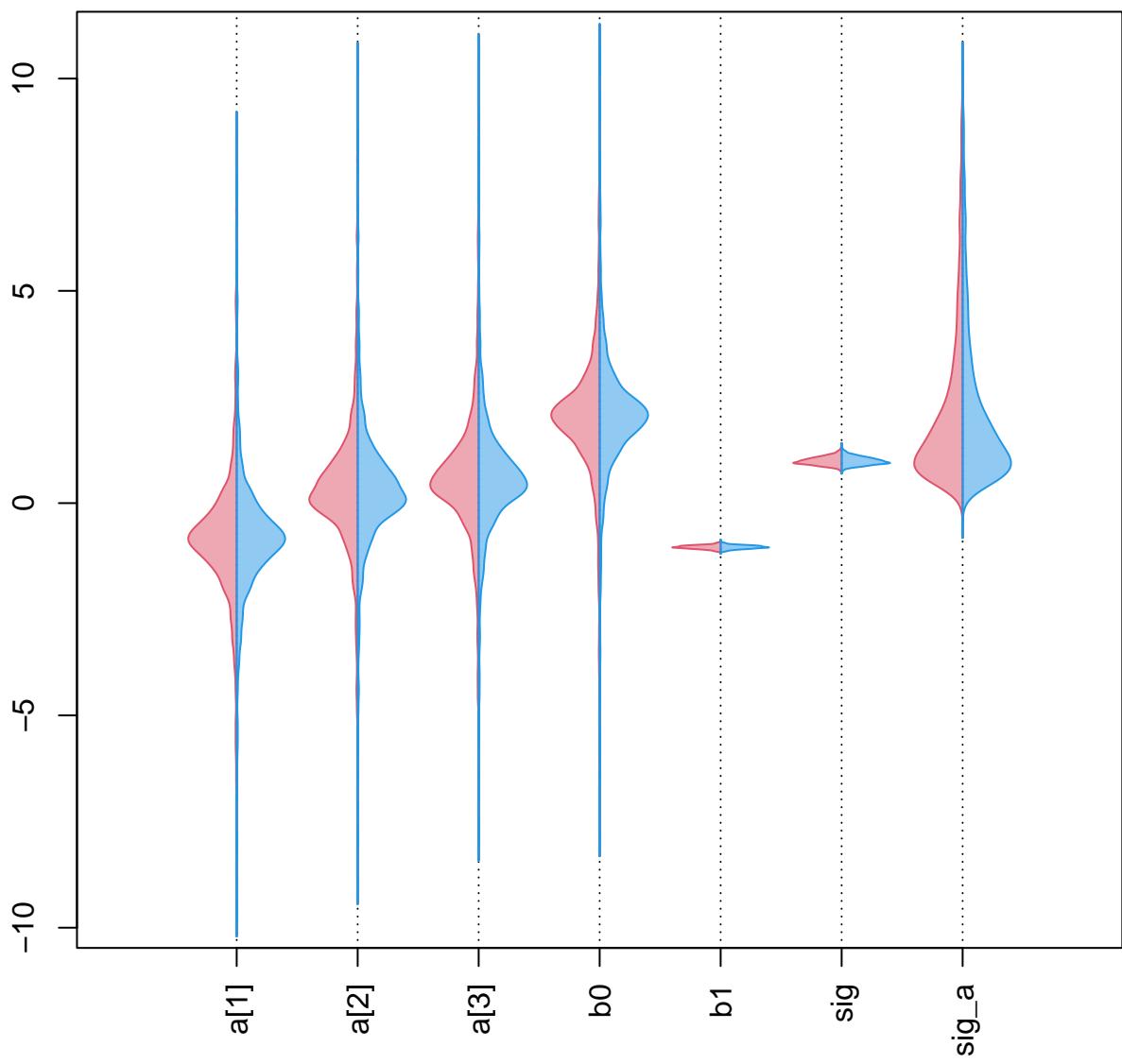


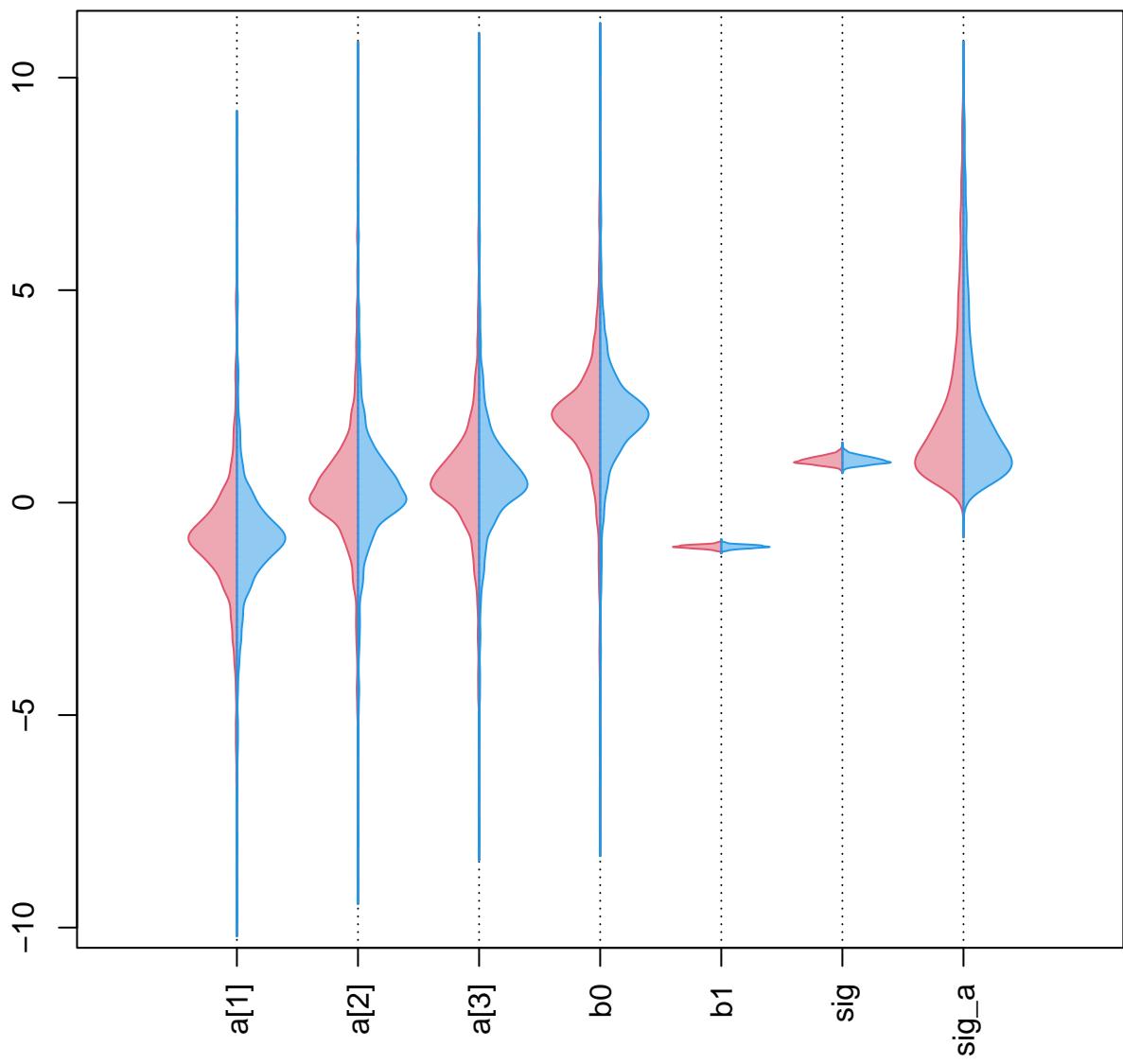
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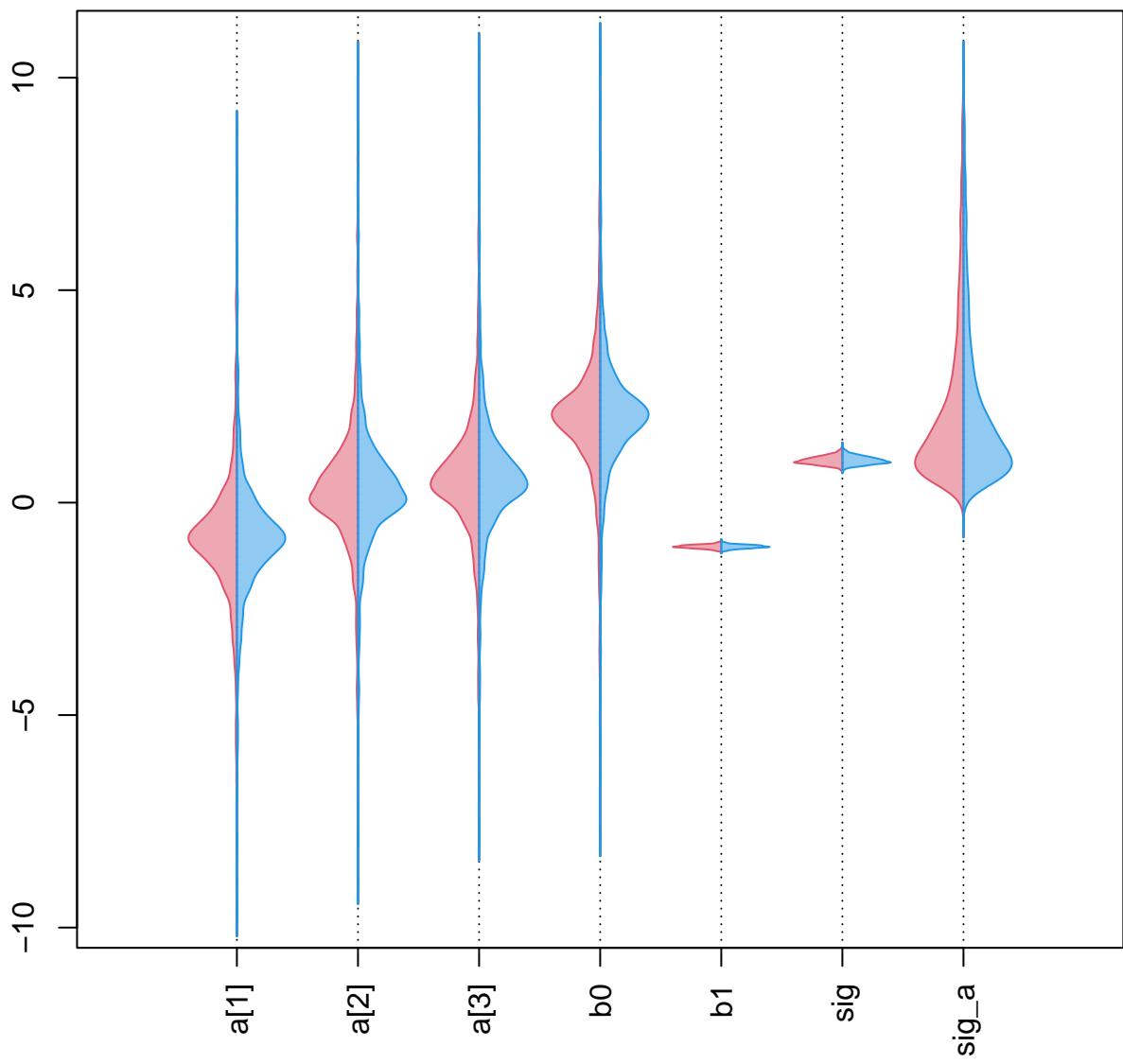


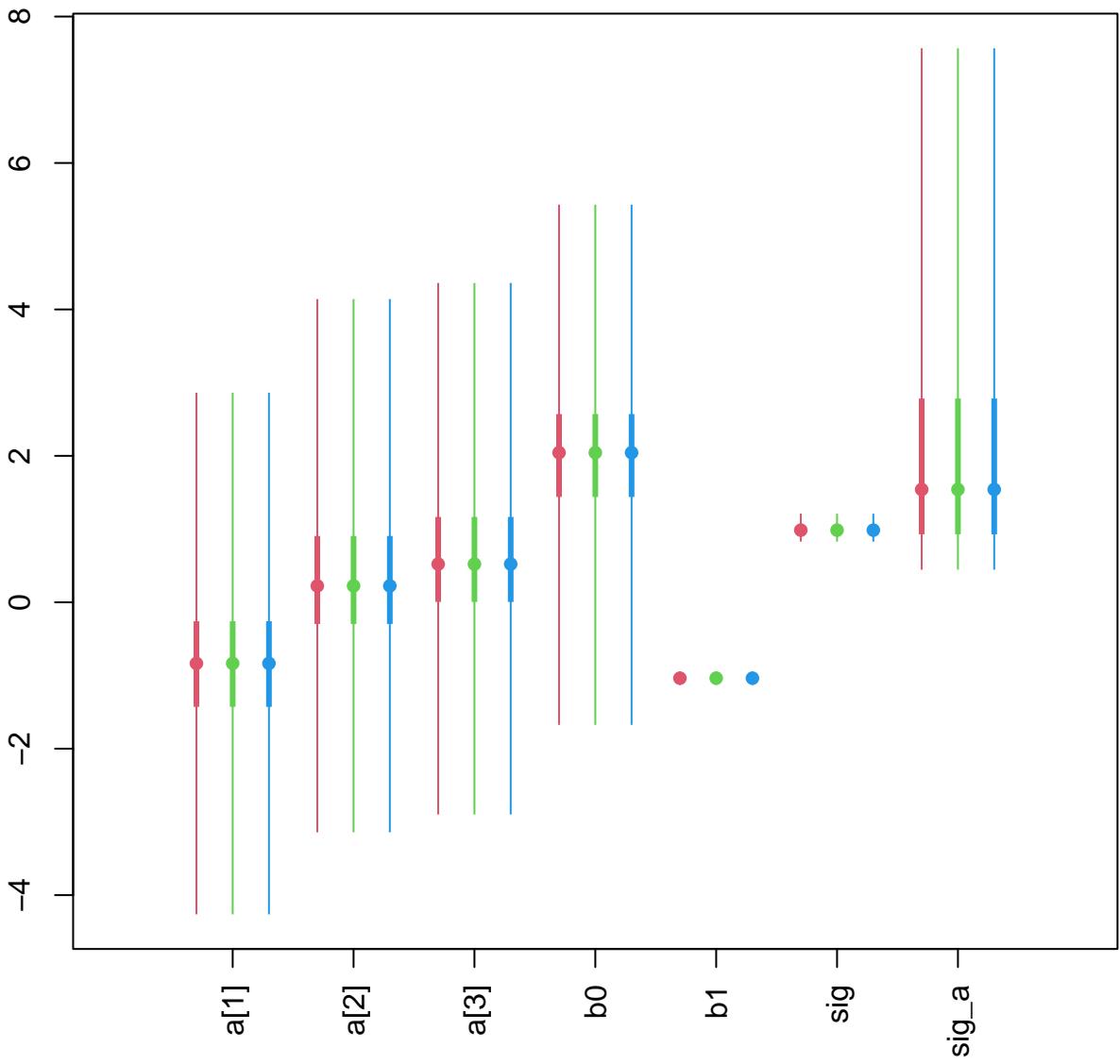
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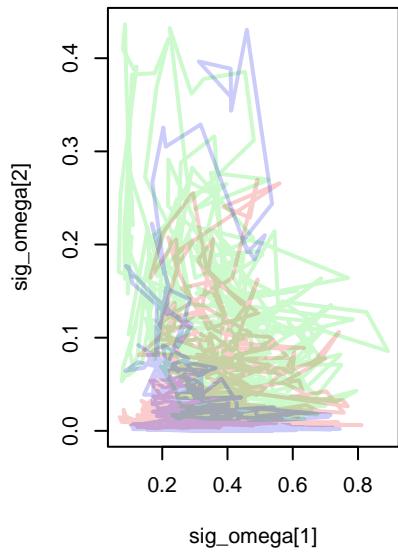
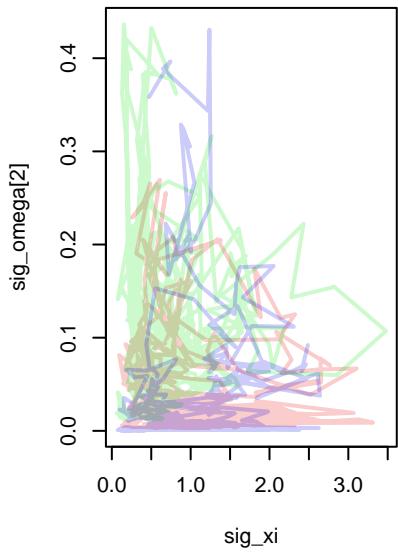
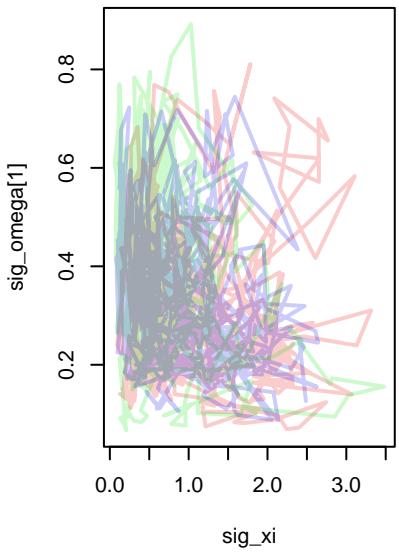
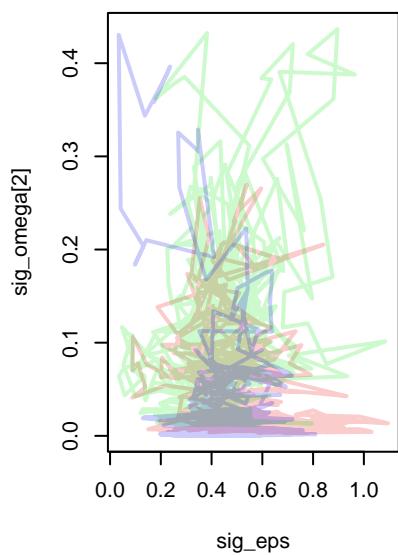
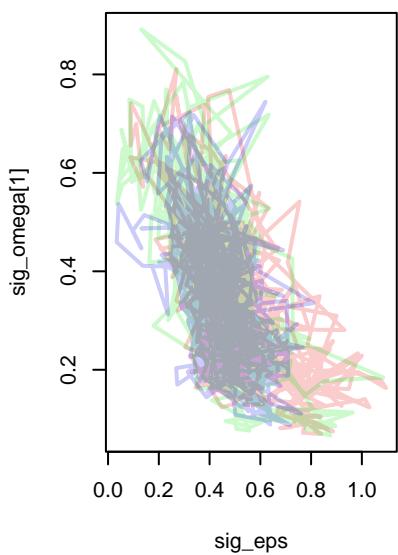
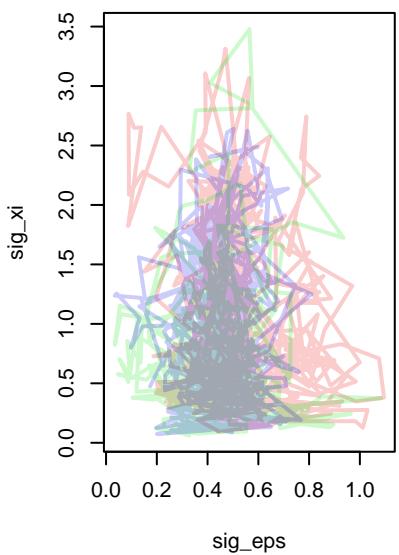


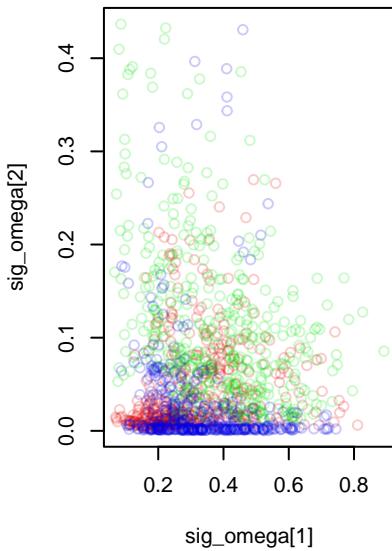
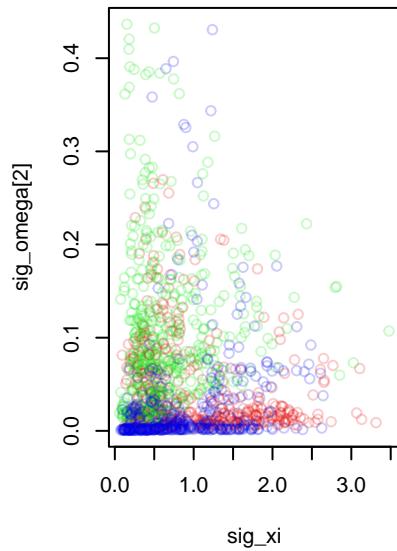
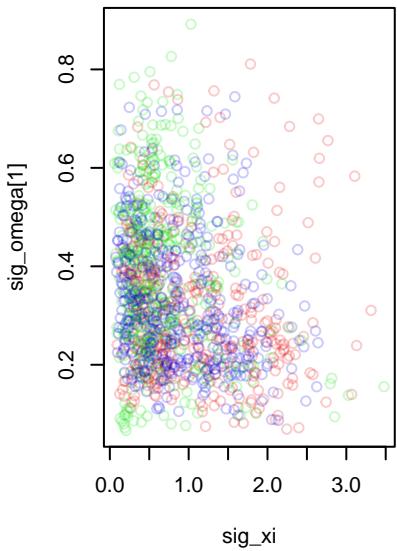
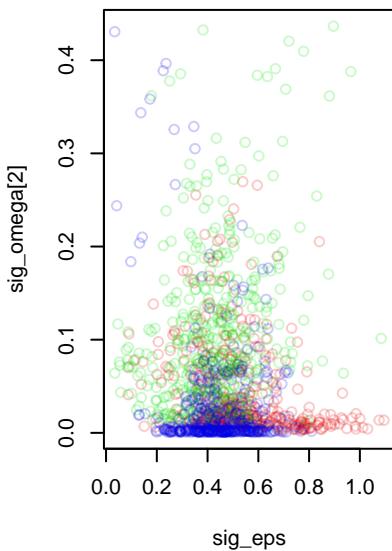
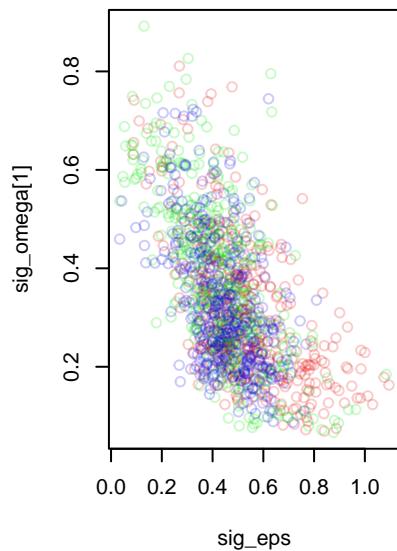
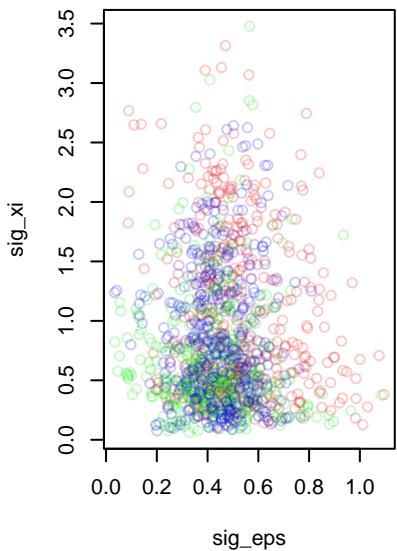


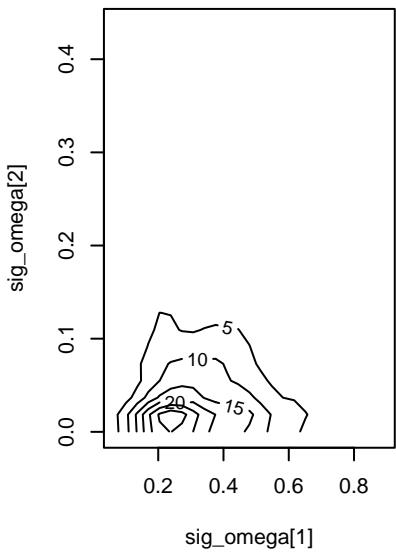
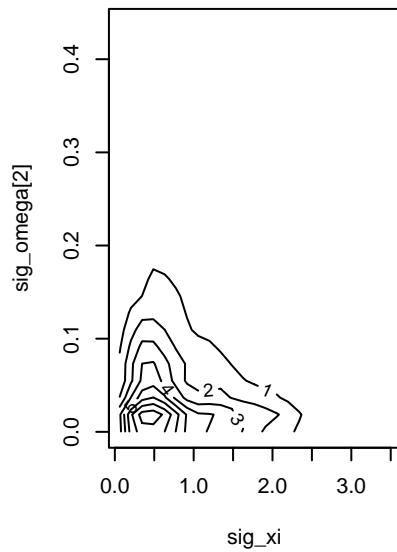
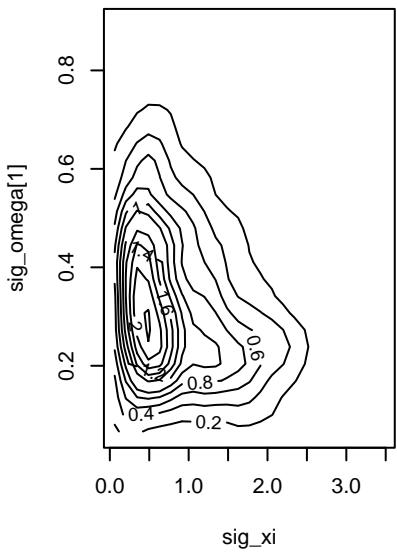
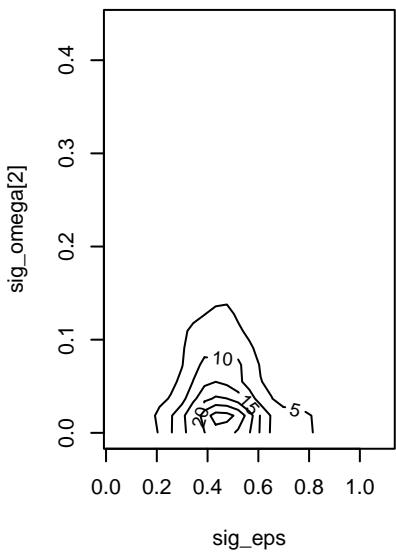
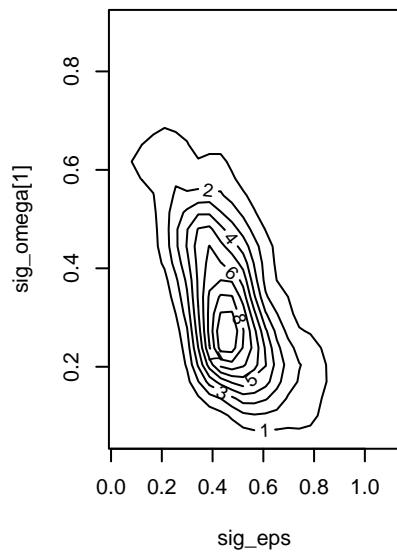
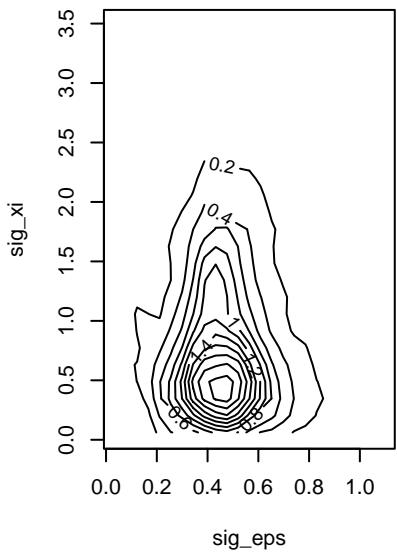




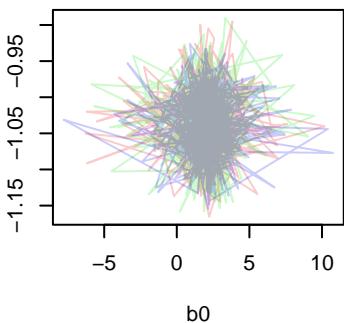




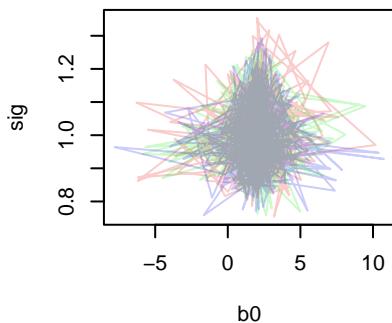




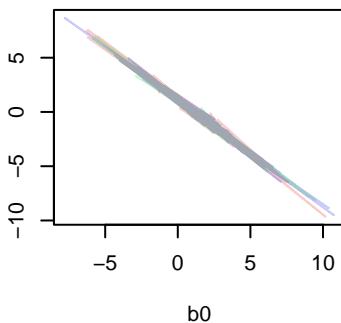
b1



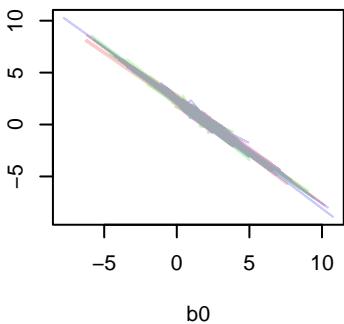
sig



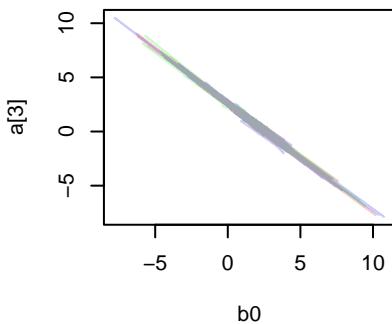
a[1]



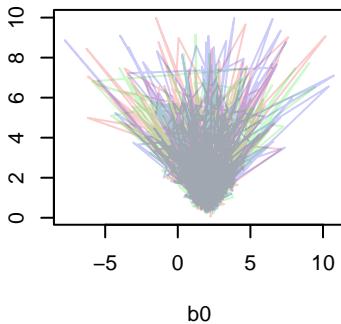
a[2]



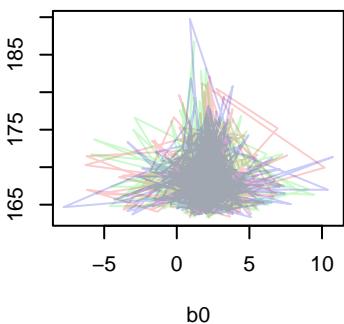
a[3]



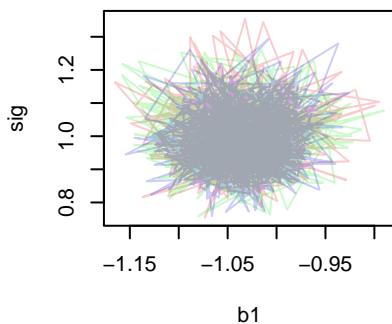
sig\_a



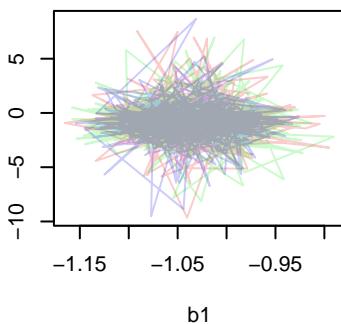
deviance

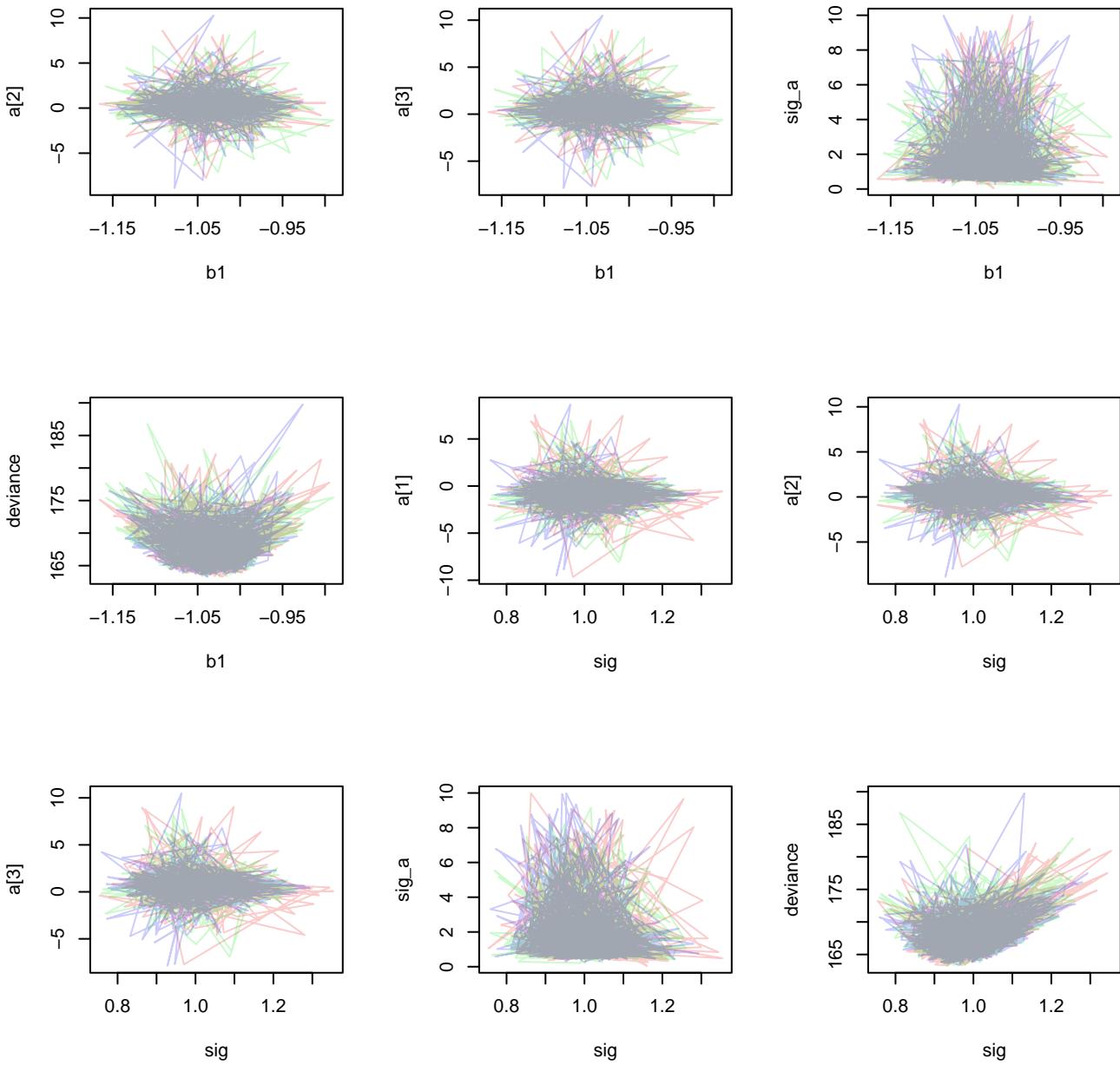


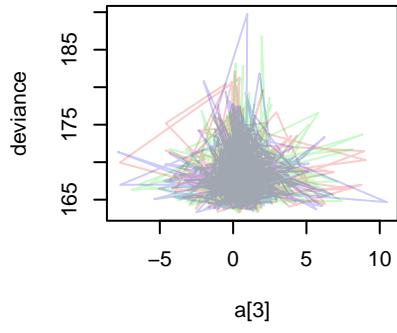
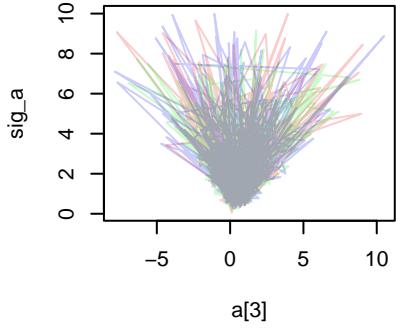
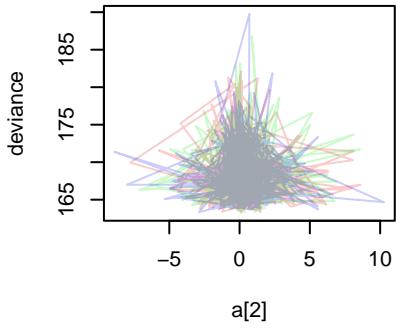
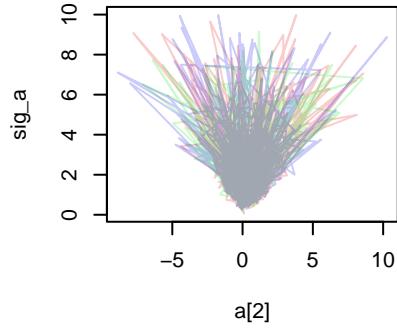
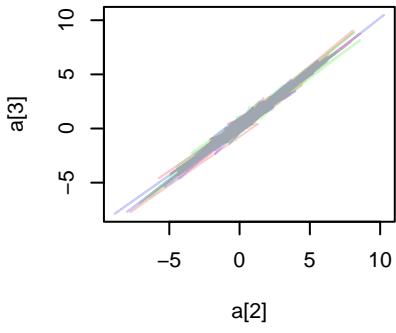
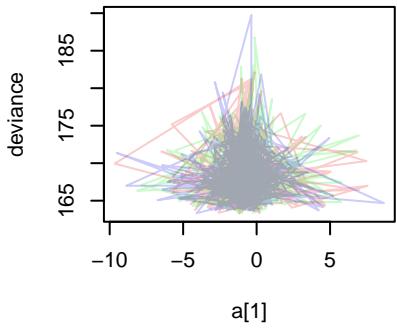
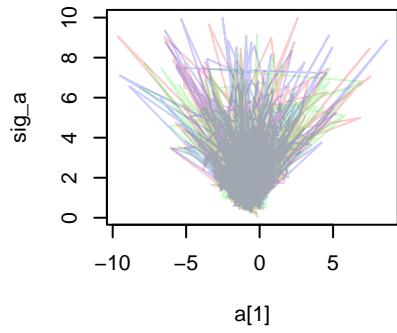
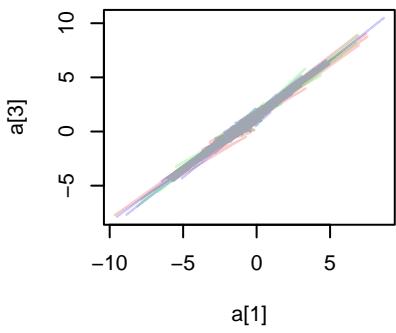
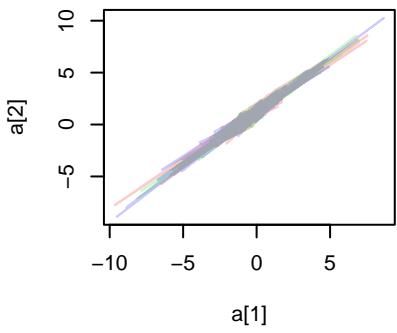
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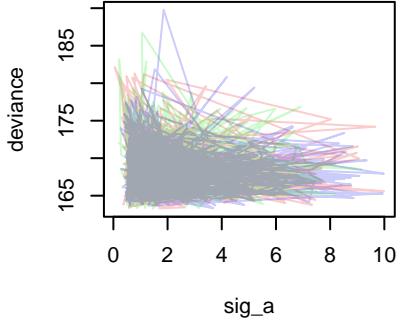


a[1]

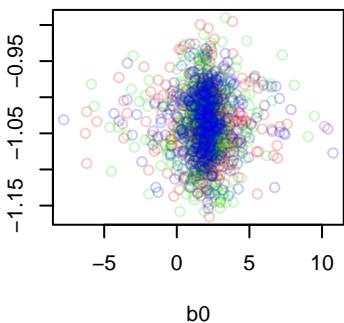




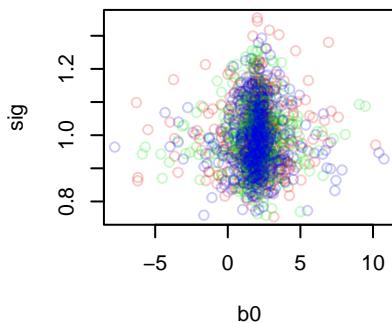




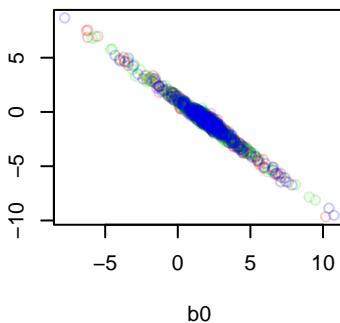
$b_1$



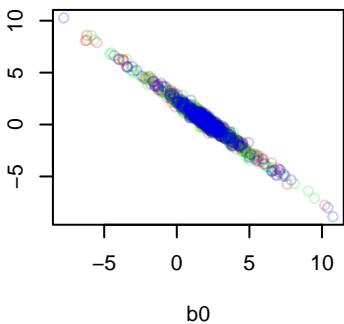
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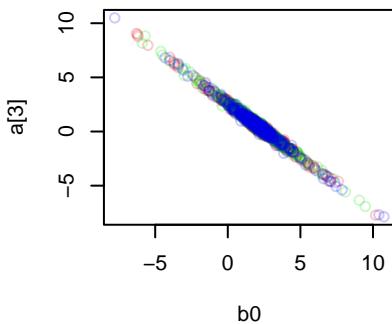
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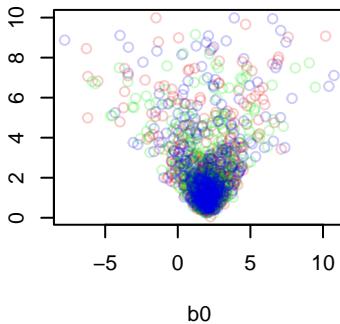
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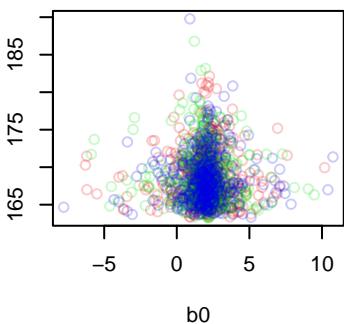
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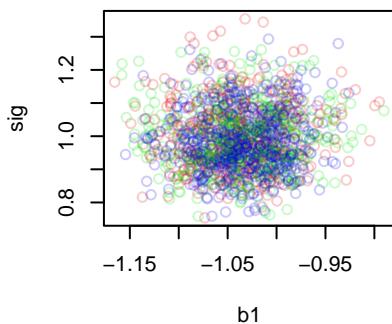
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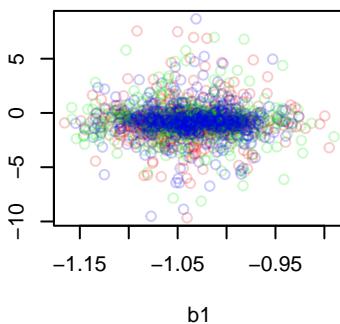
deviance



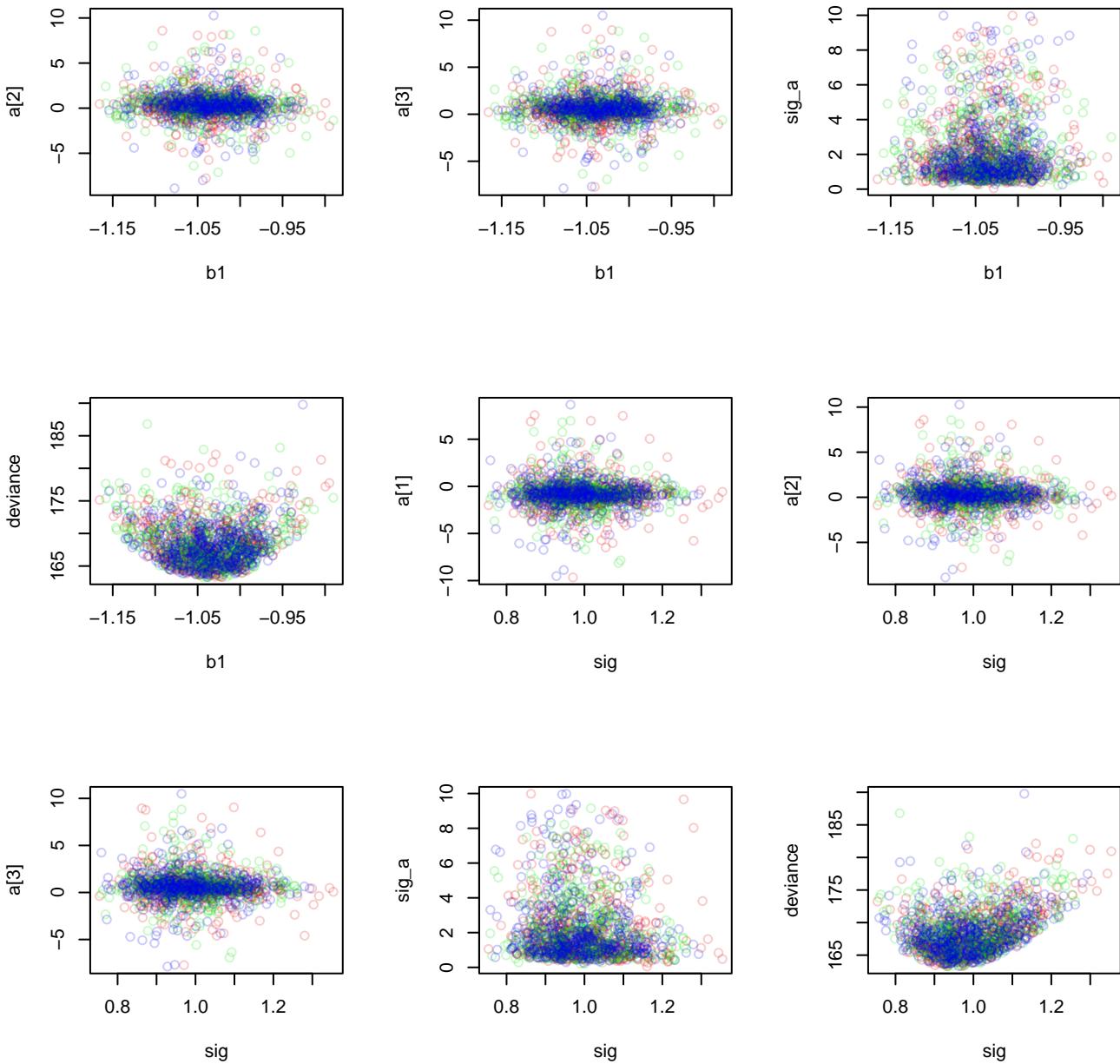
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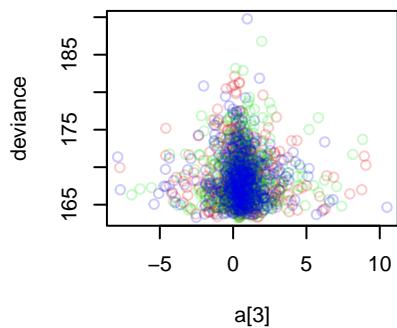
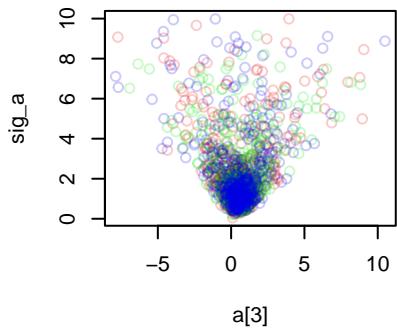
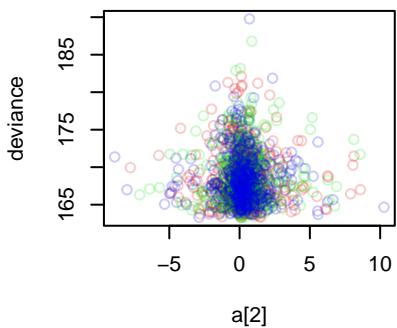
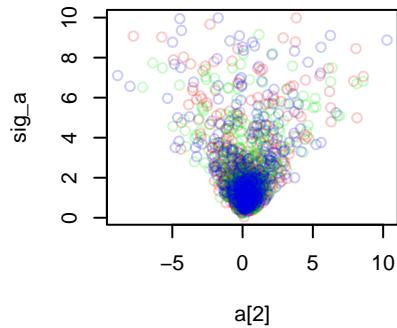
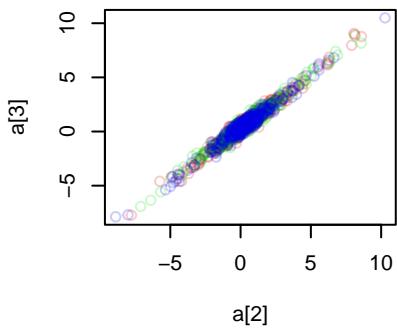
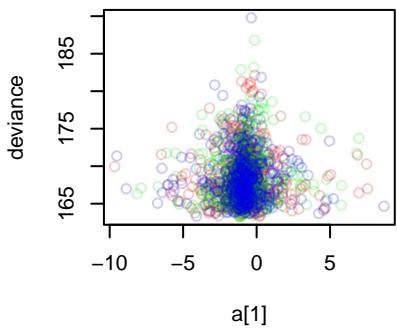
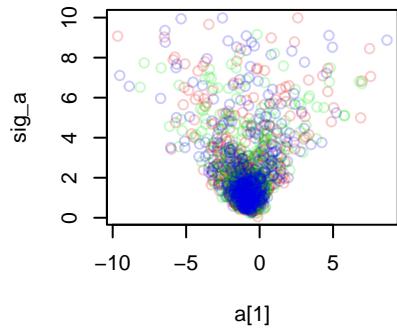
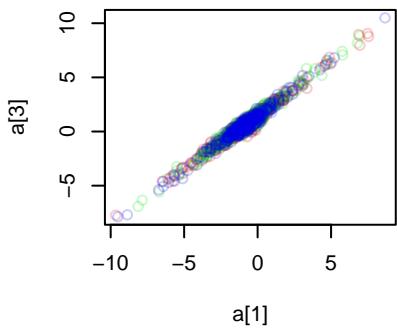
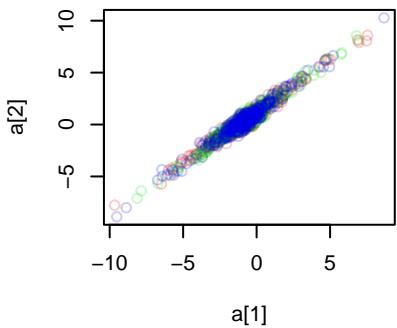


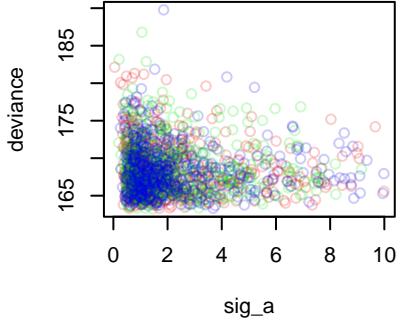
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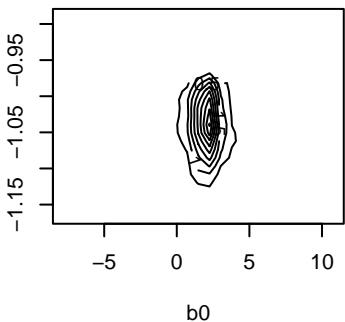
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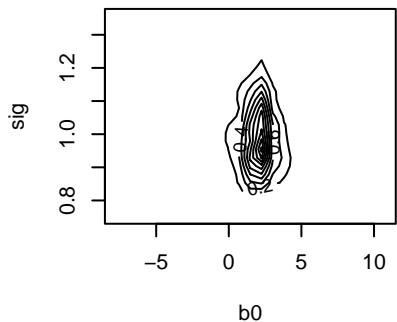




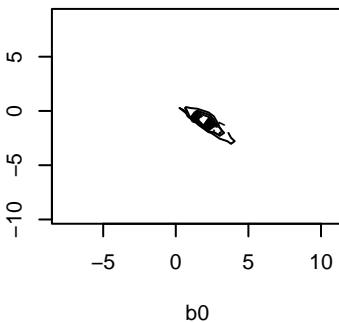
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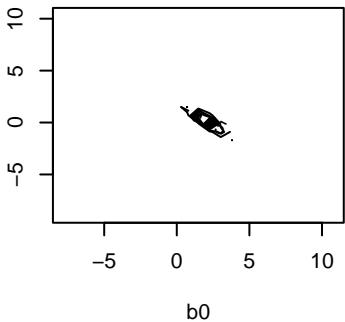
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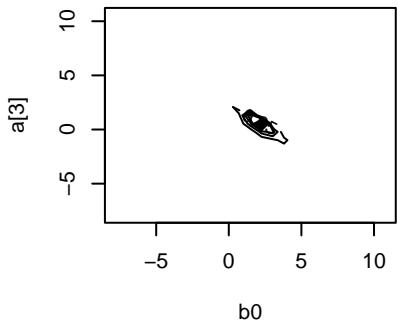
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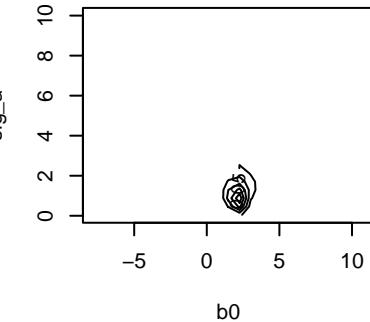
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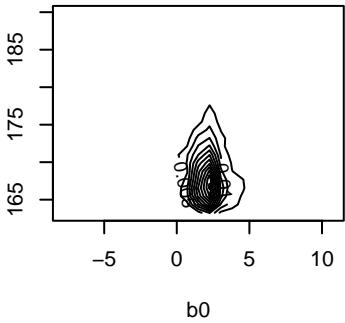
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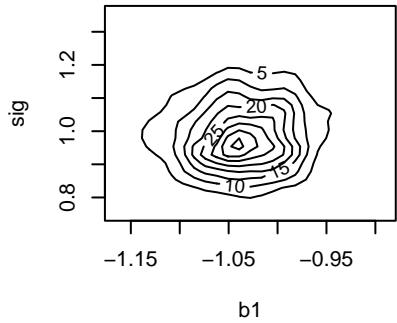
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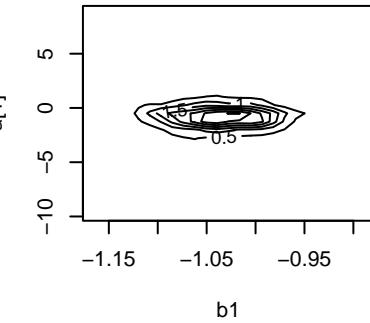
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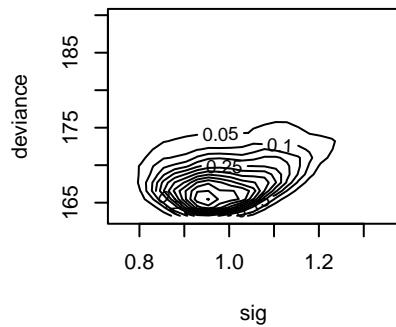
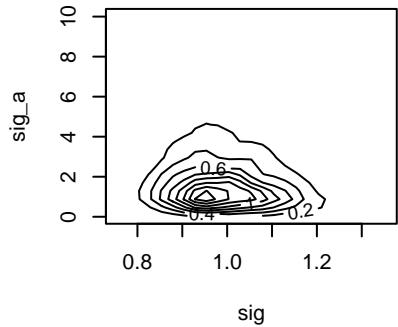
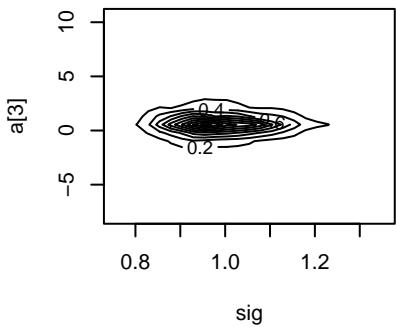
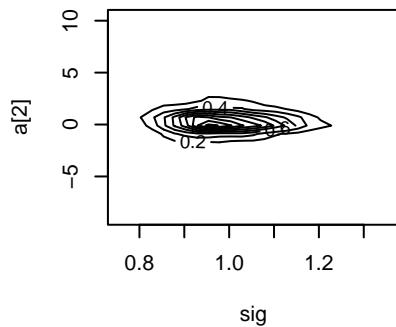
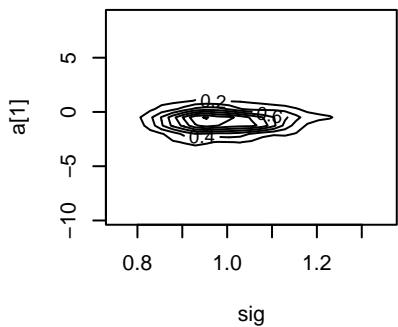
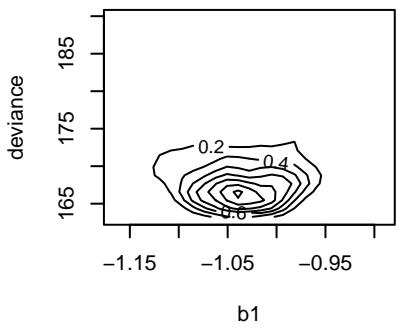
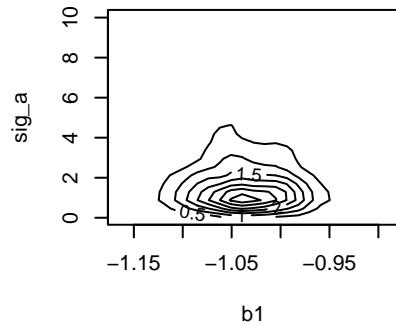
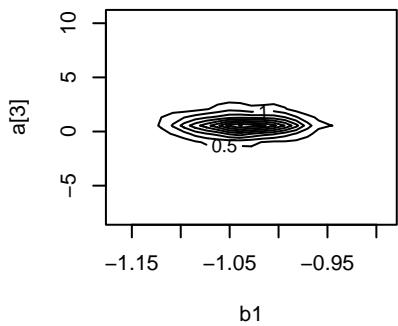
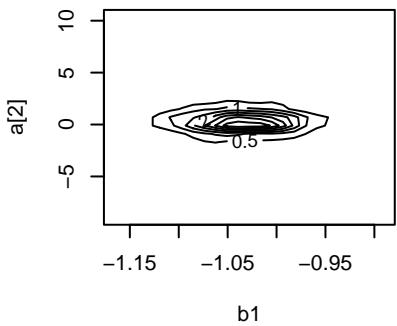


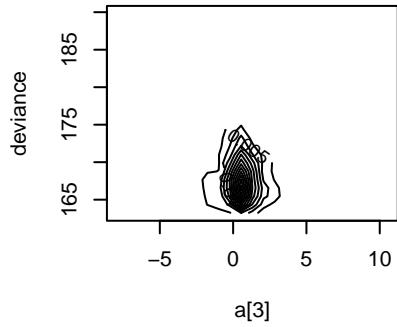
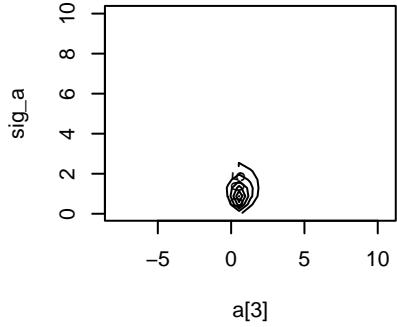
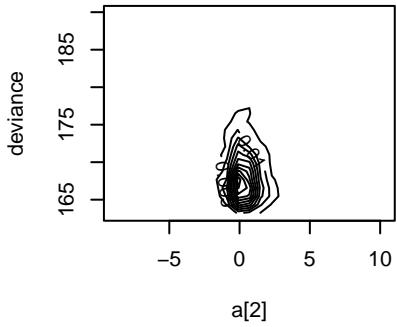
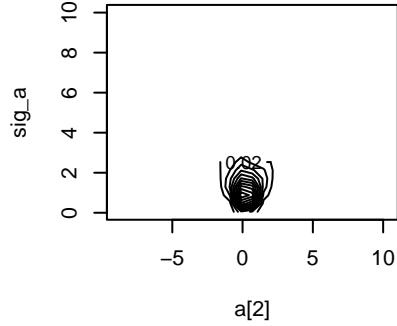
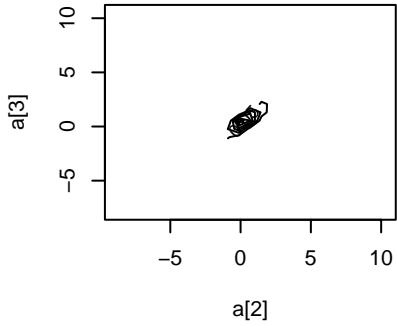
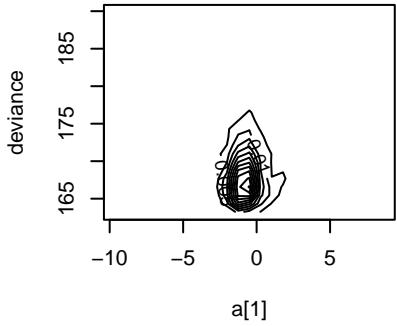
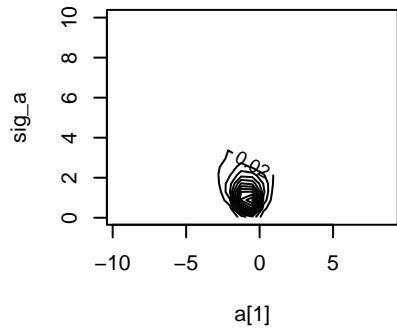
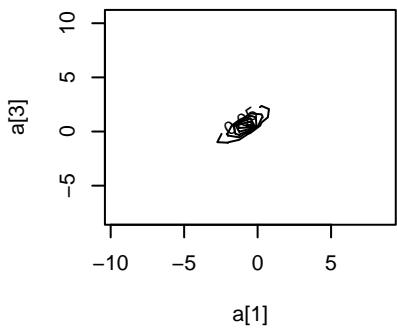
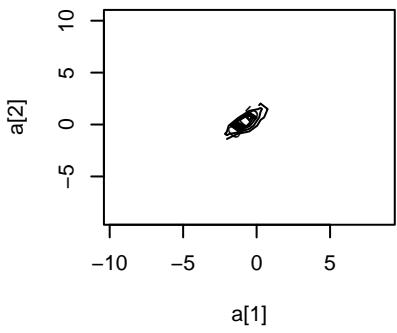
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$a[1]$







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