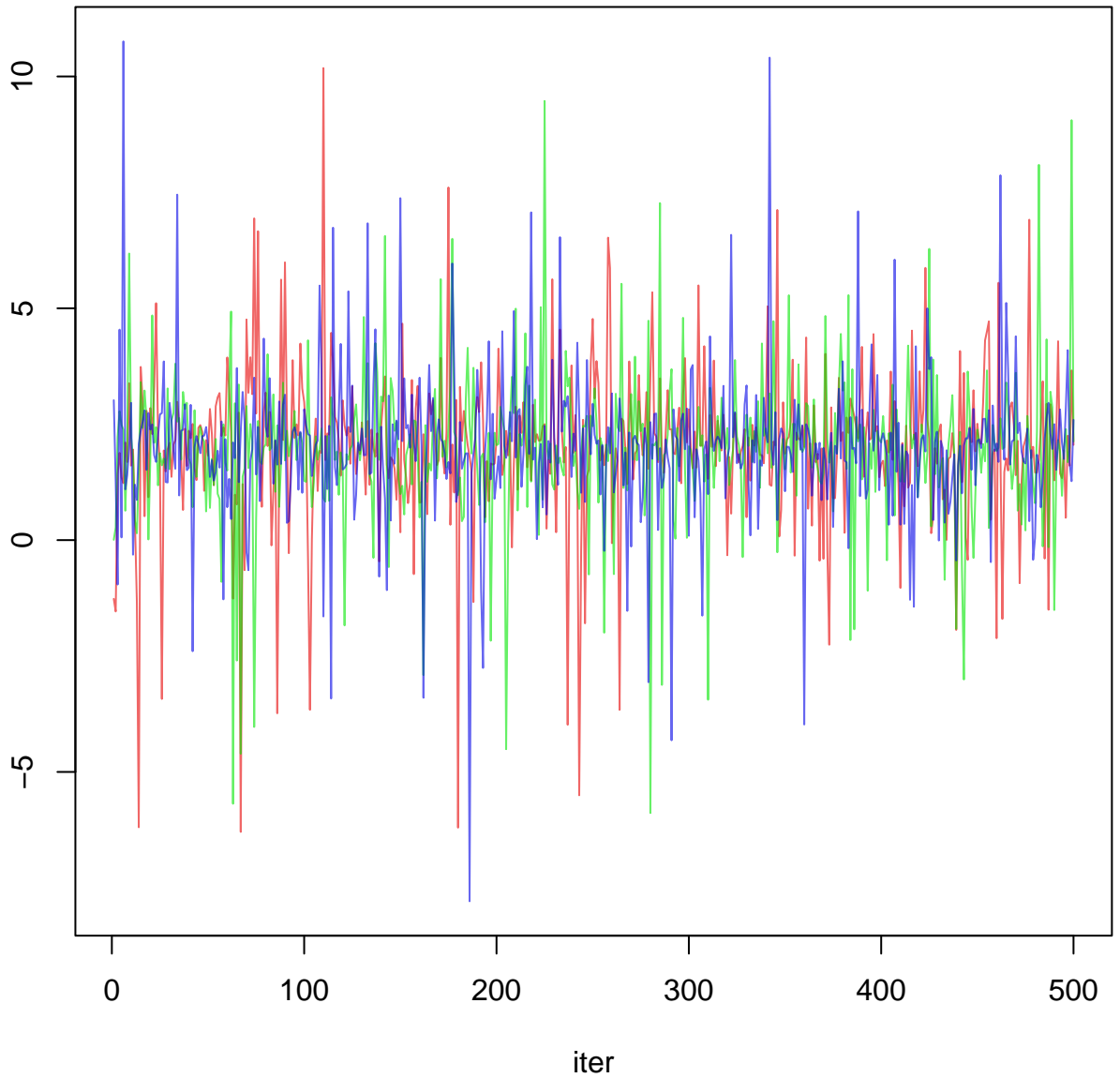
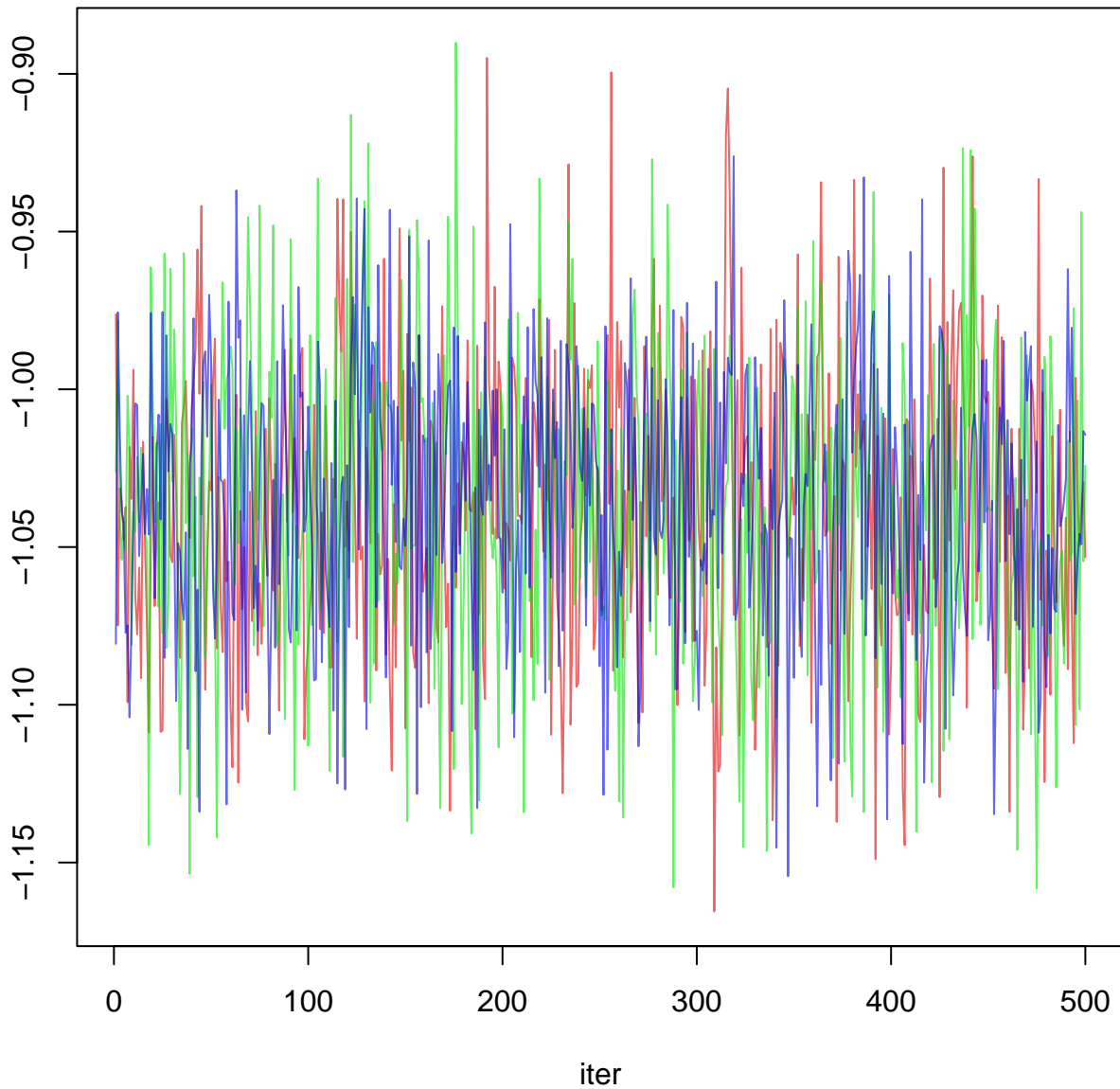


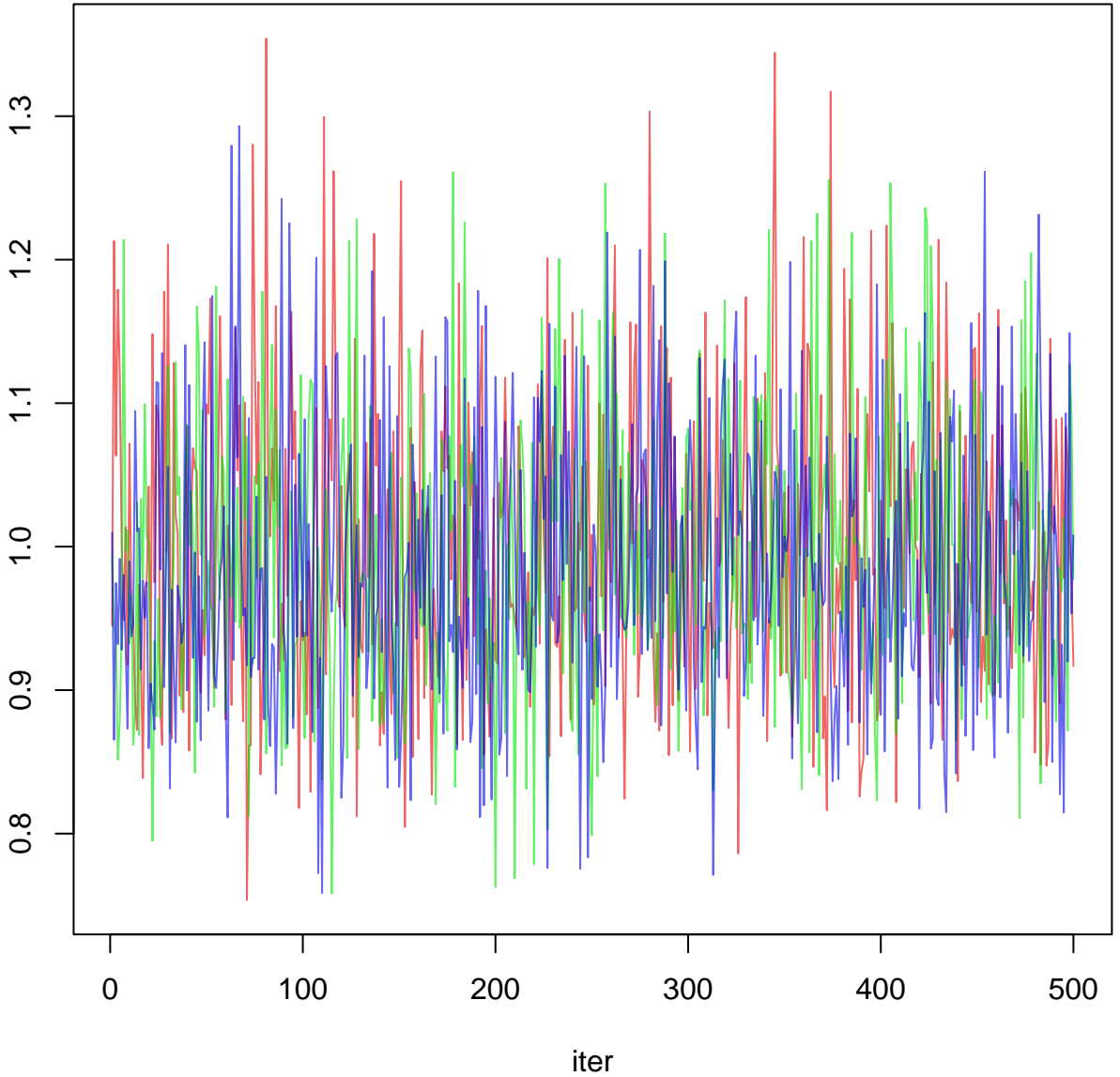
**b0**



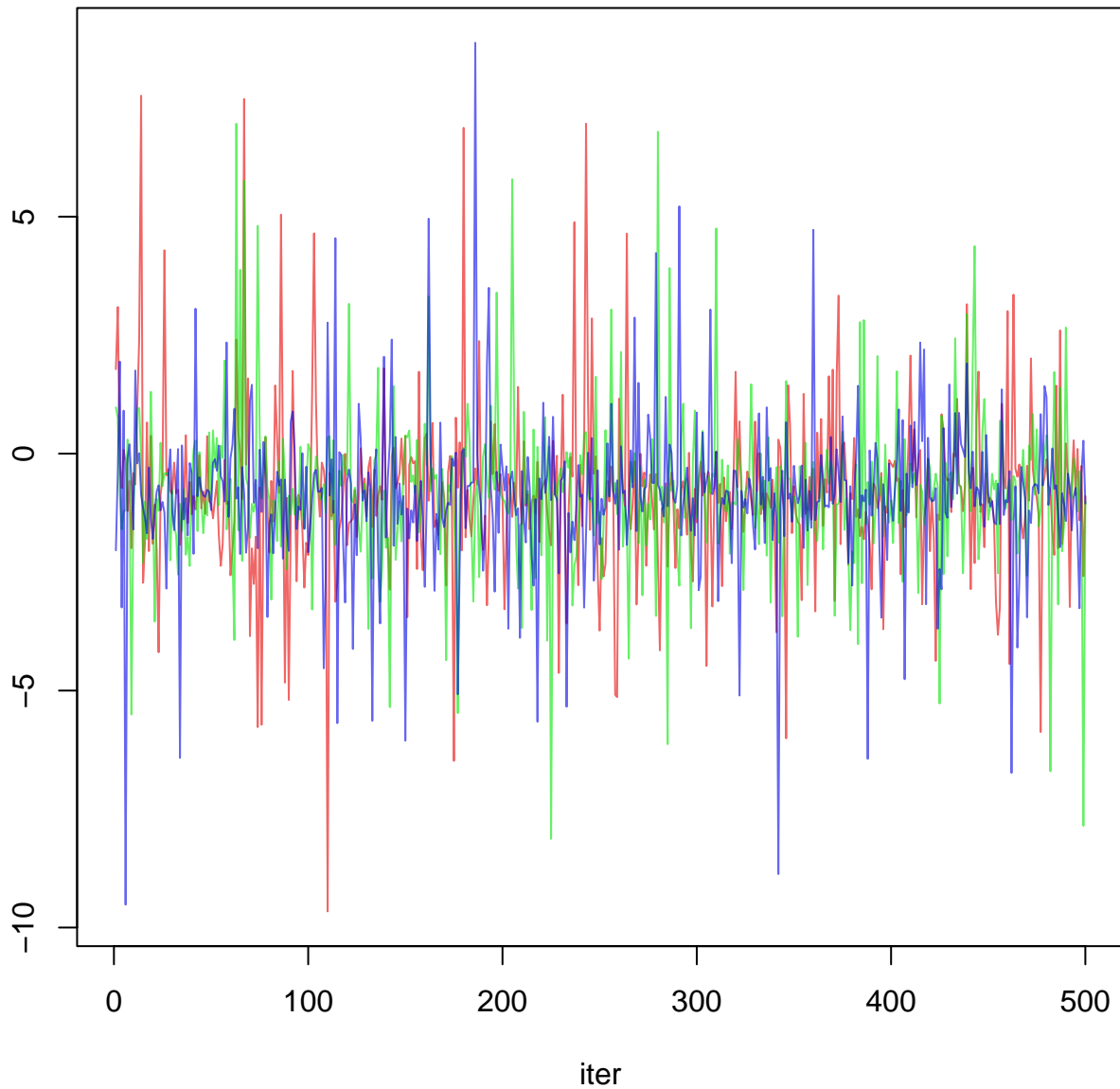
**b1**



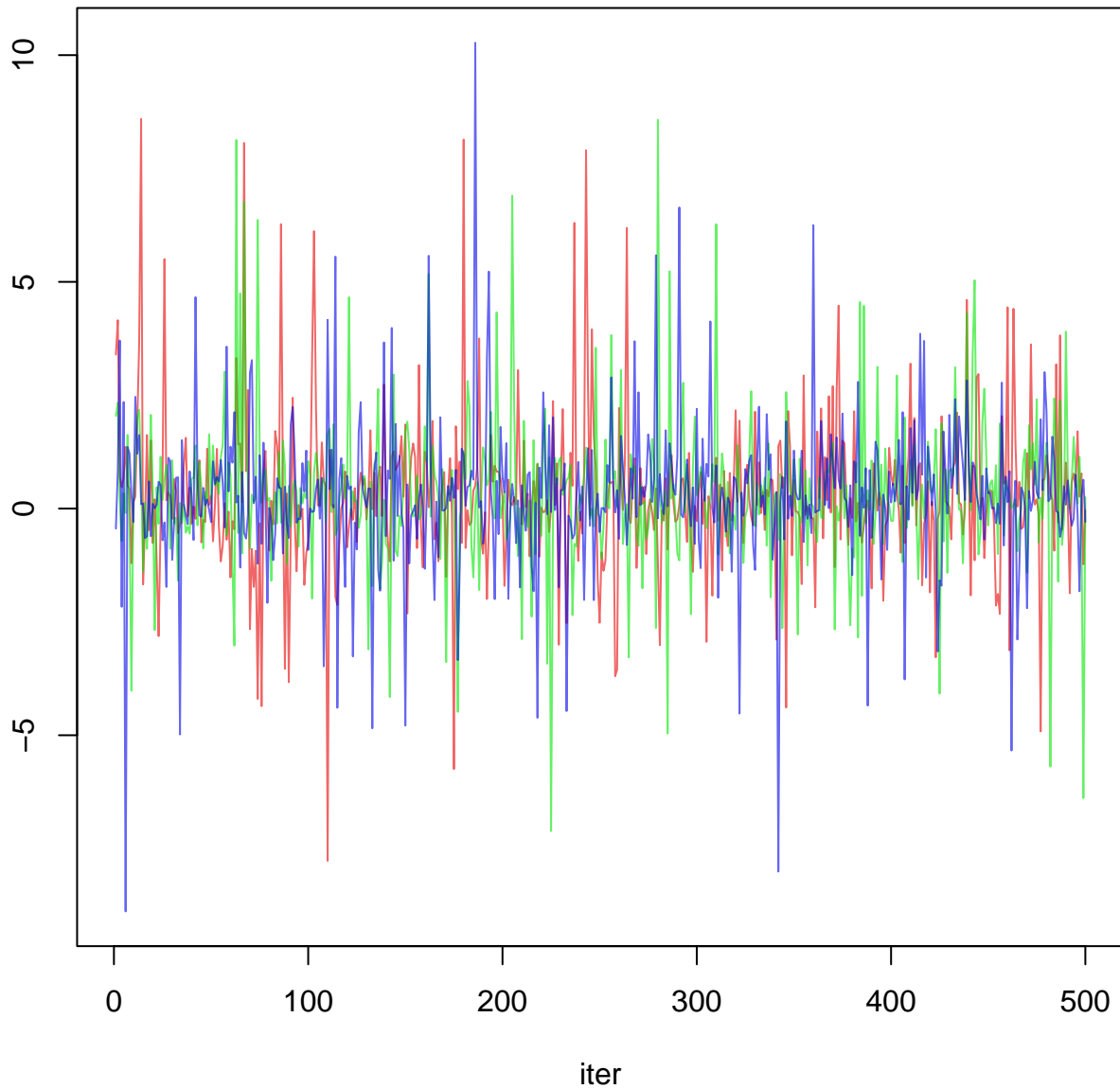
sig



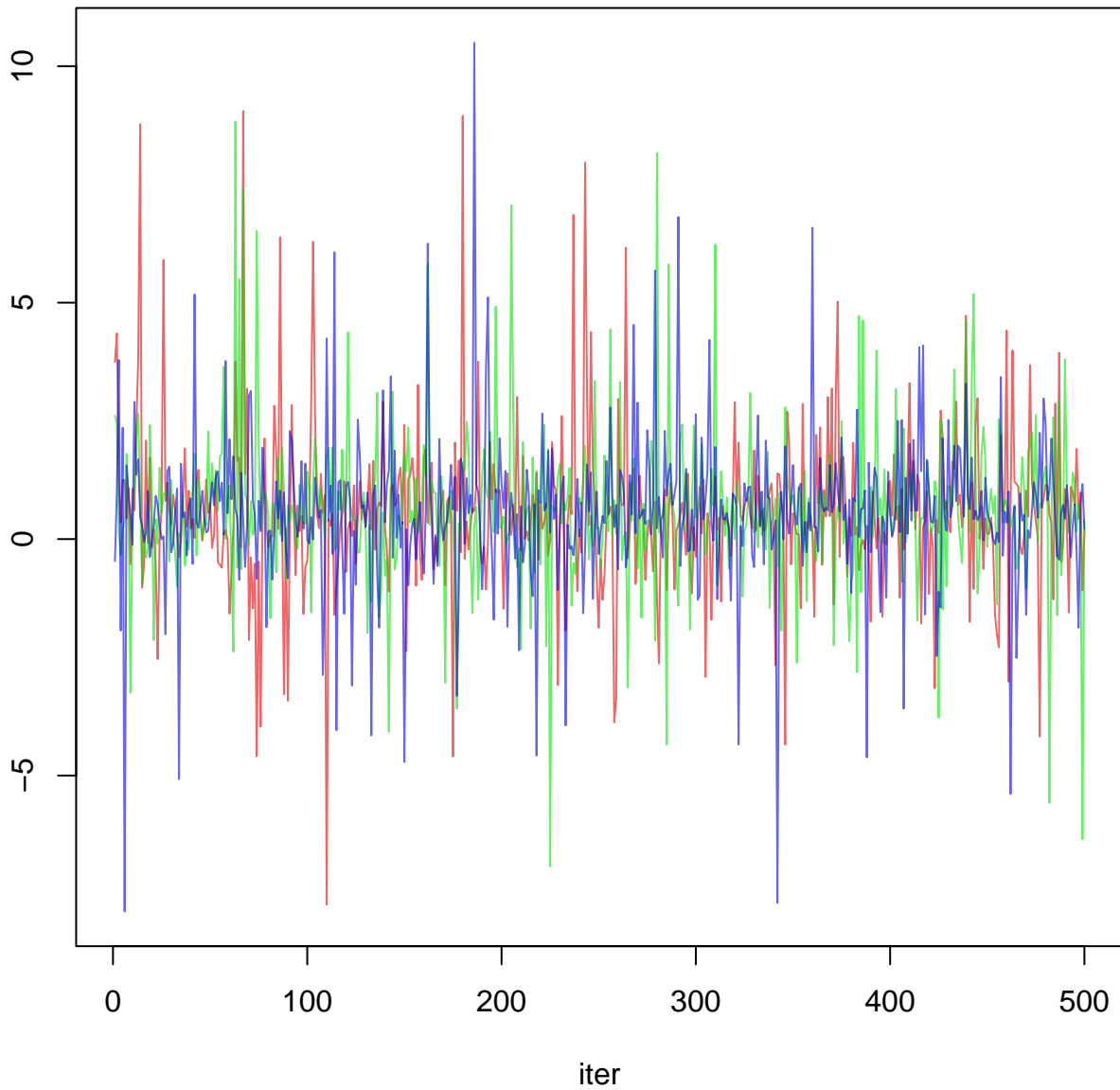
a[1]



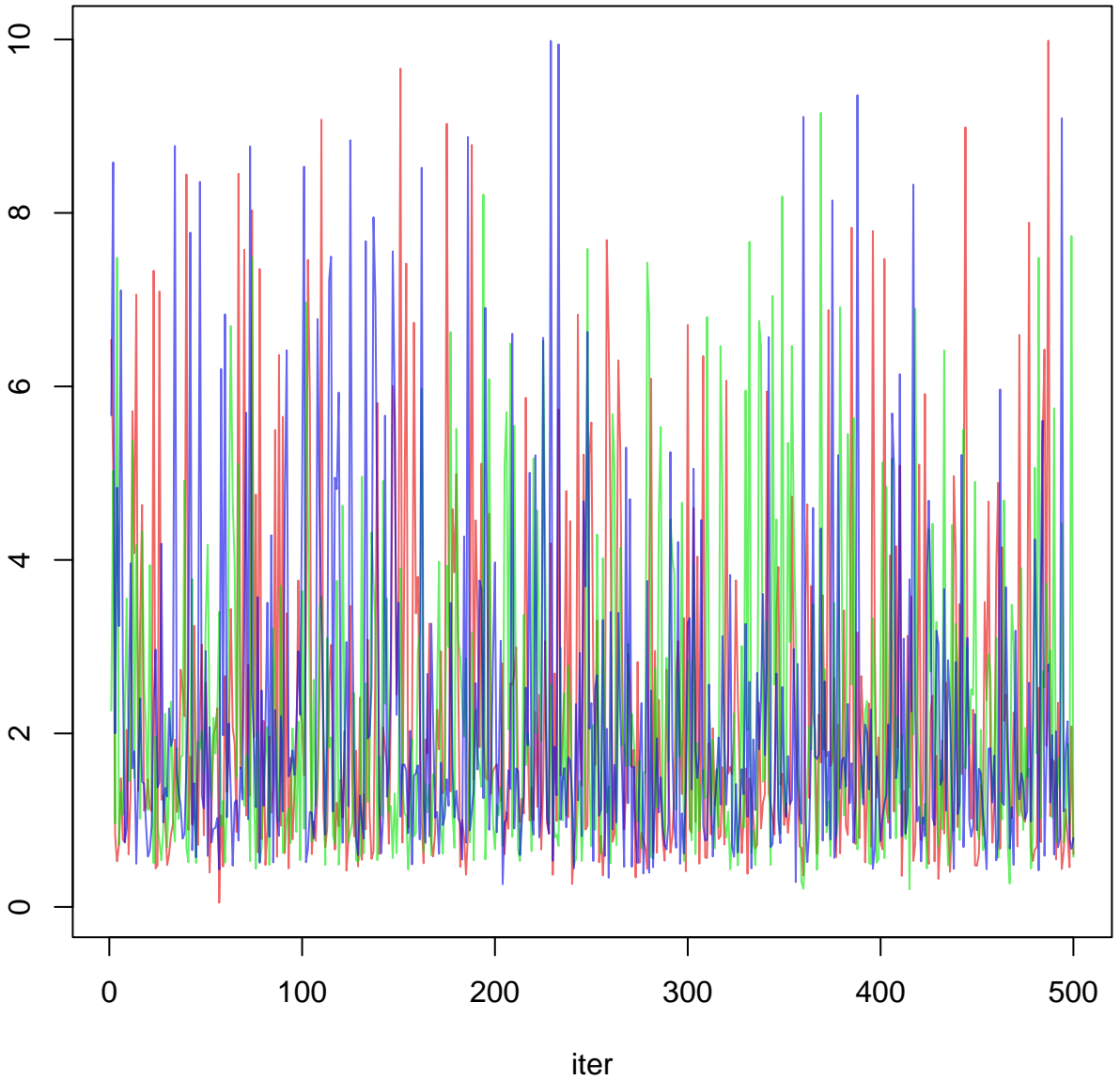
a[2]



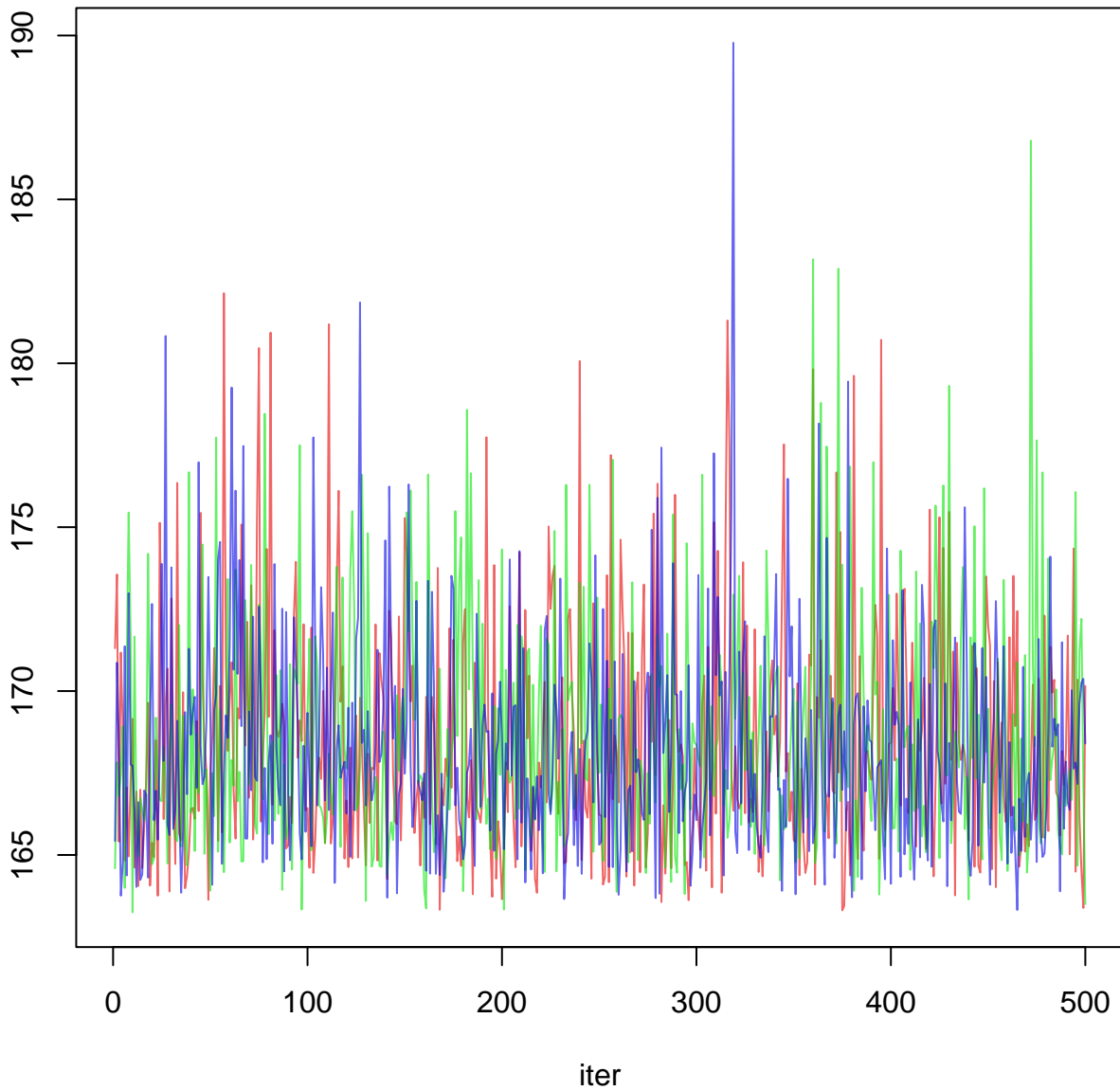
**a[3]**



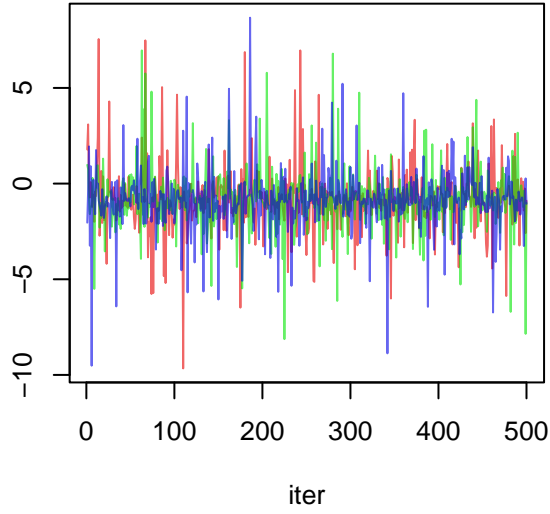
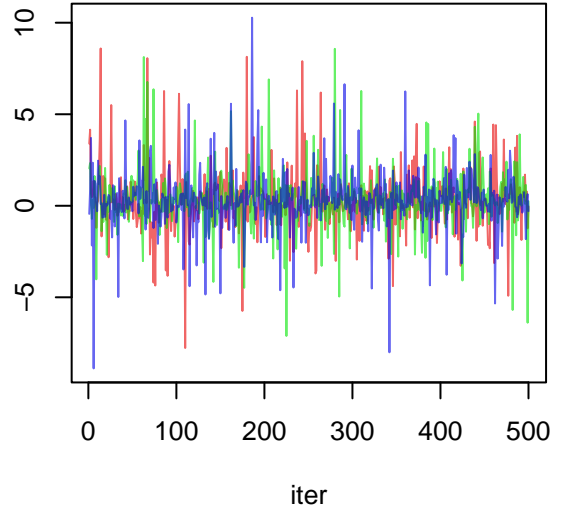
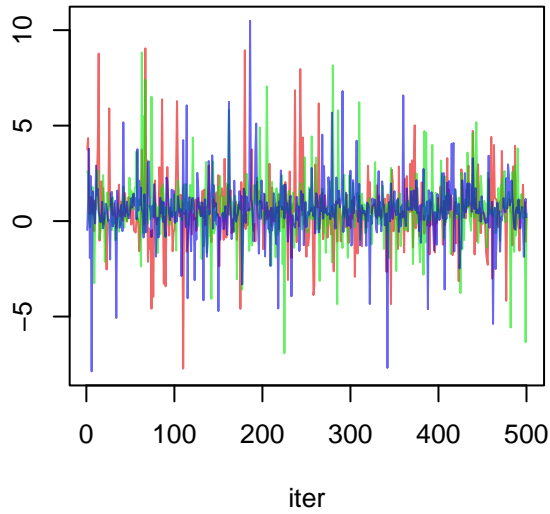
sig\_a



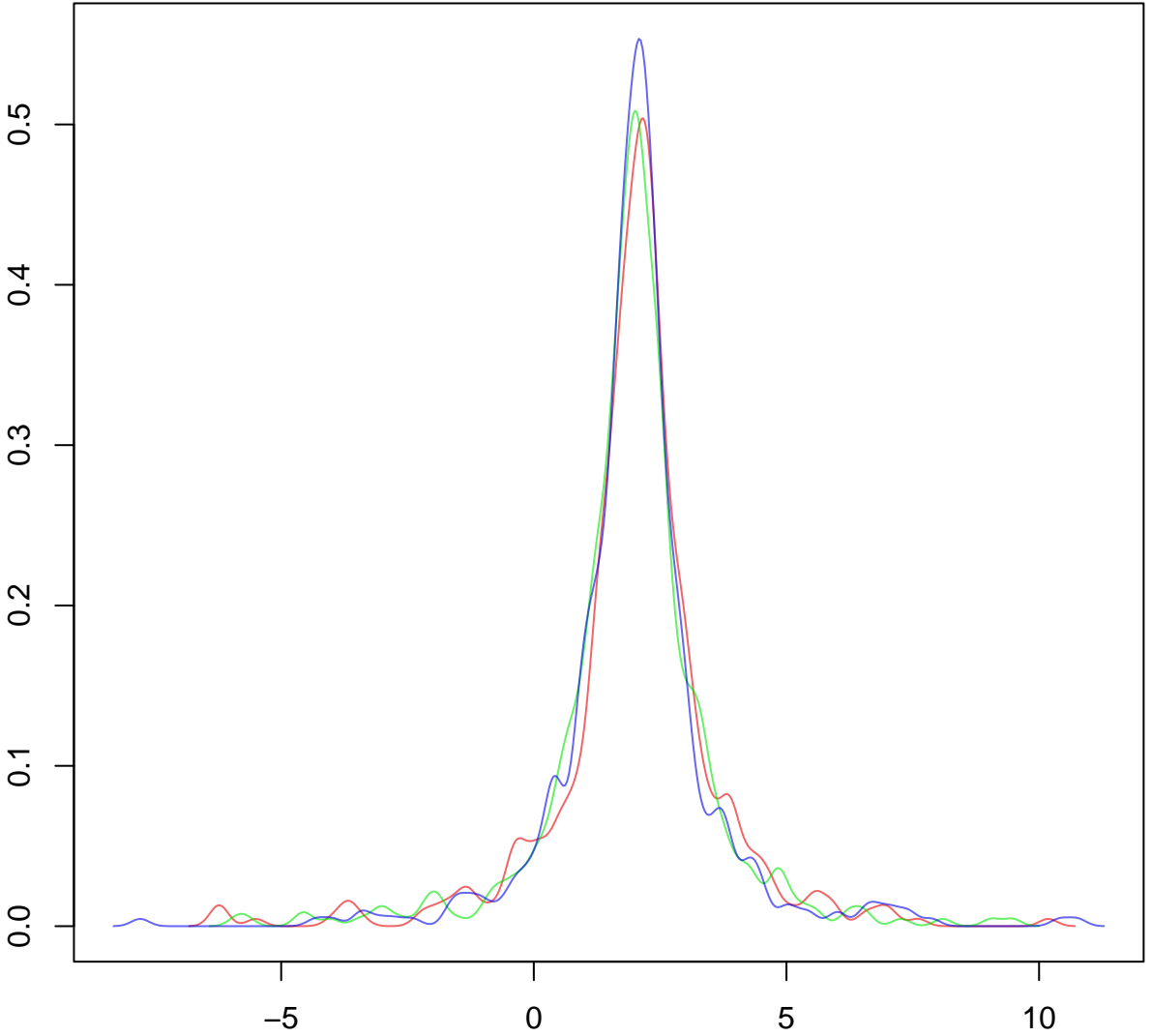
# deviance



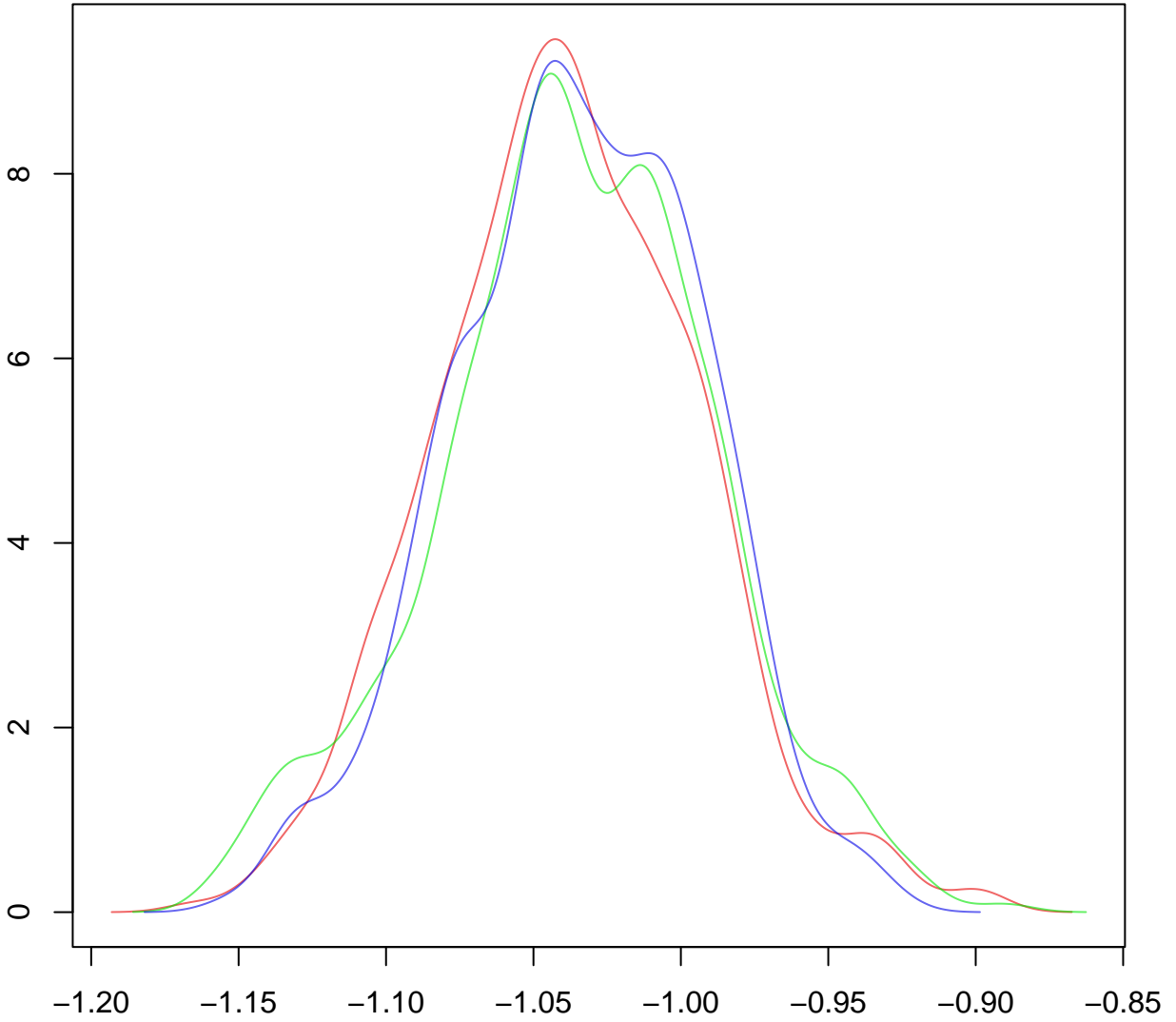


**a[1]****a[2]****a[3]**

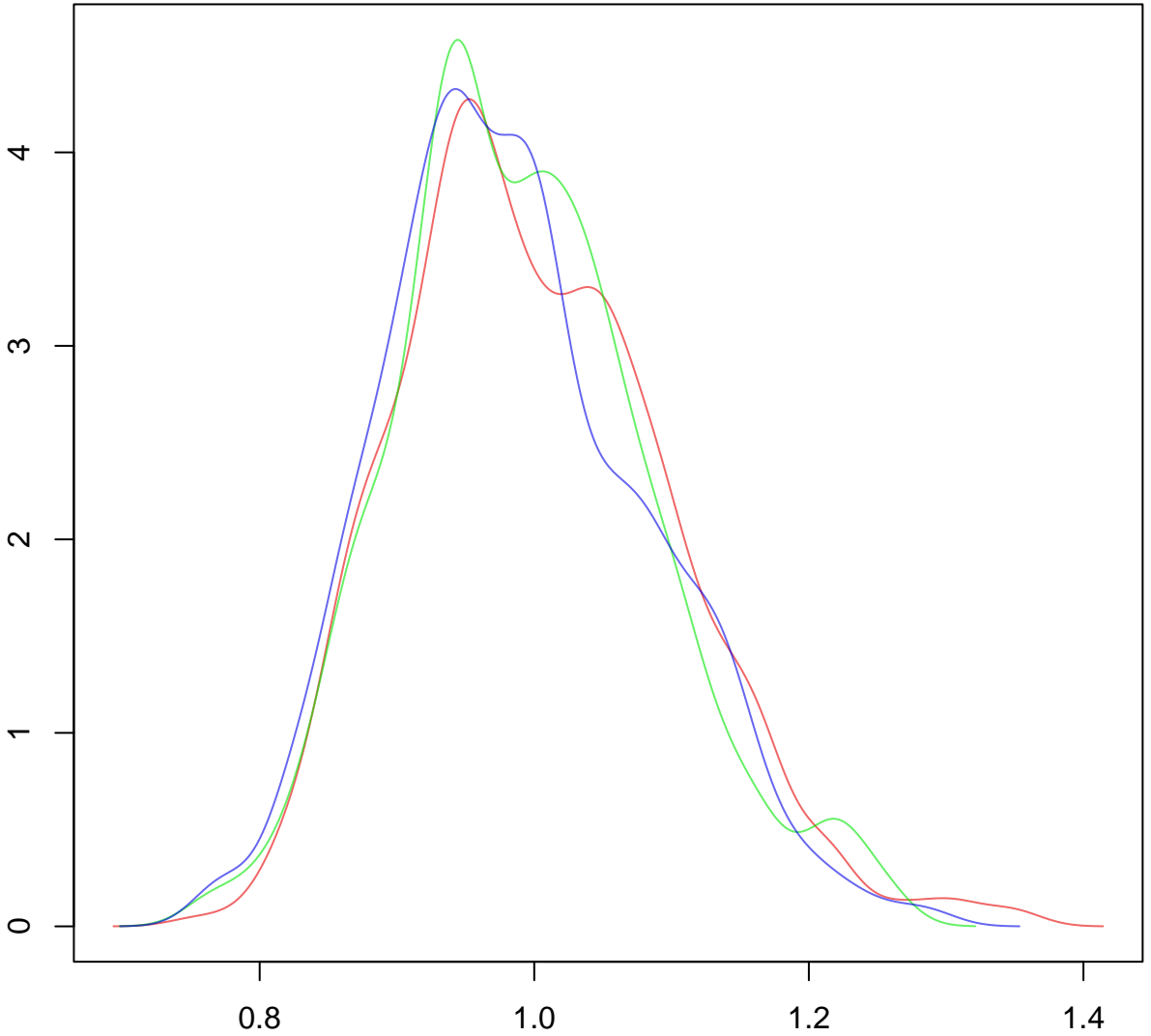
**b0**



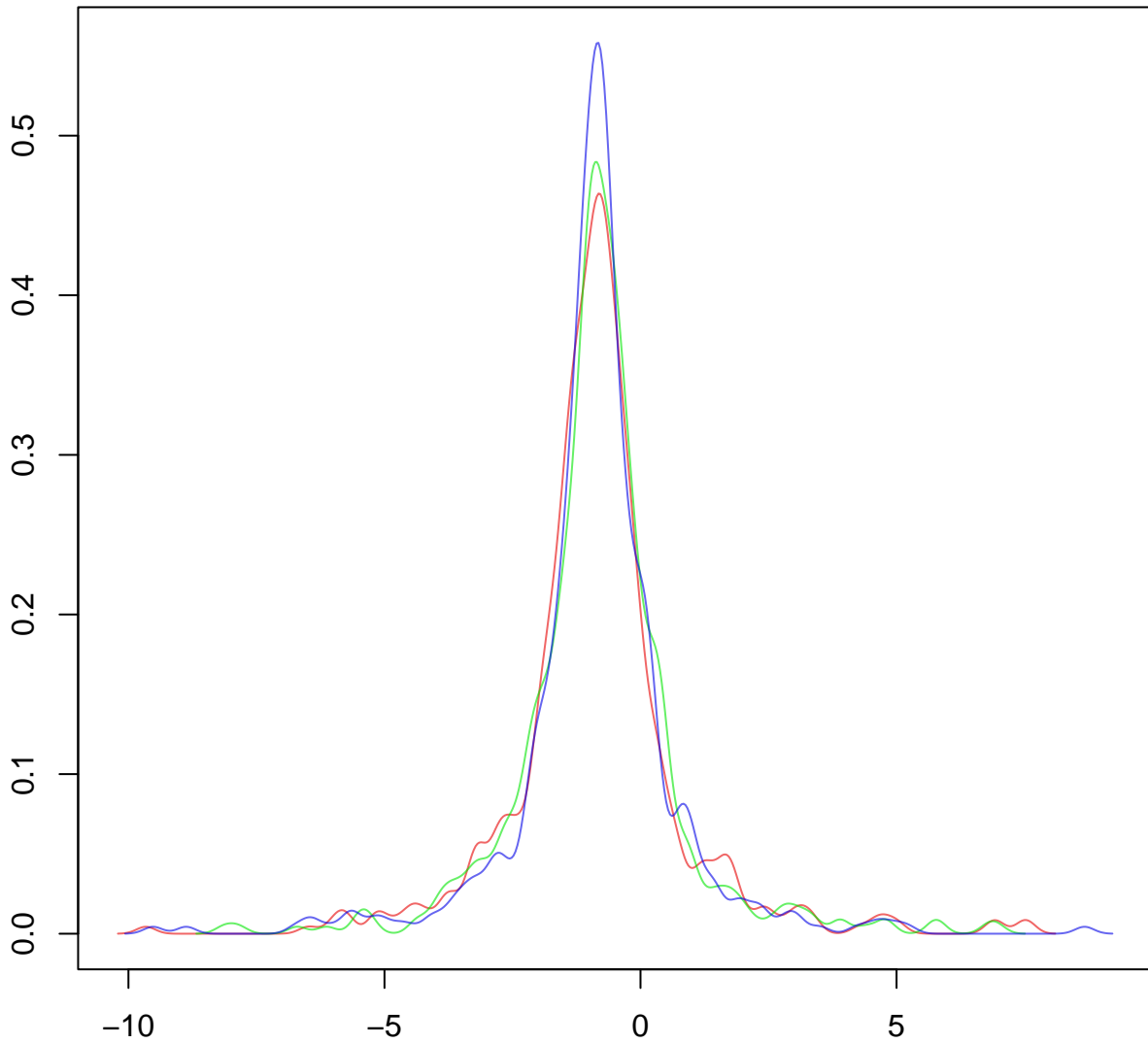
**b1**



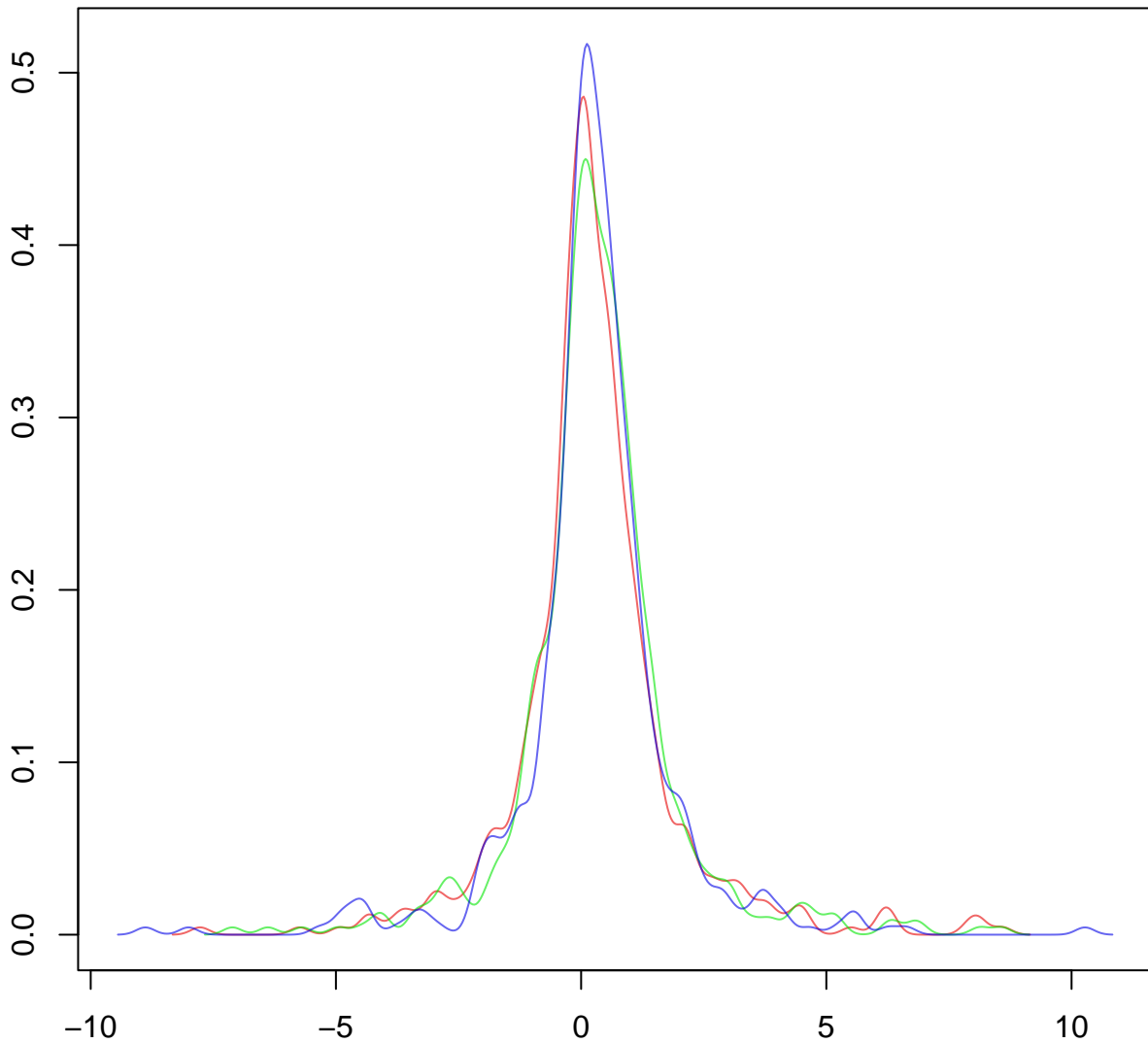
**sig**



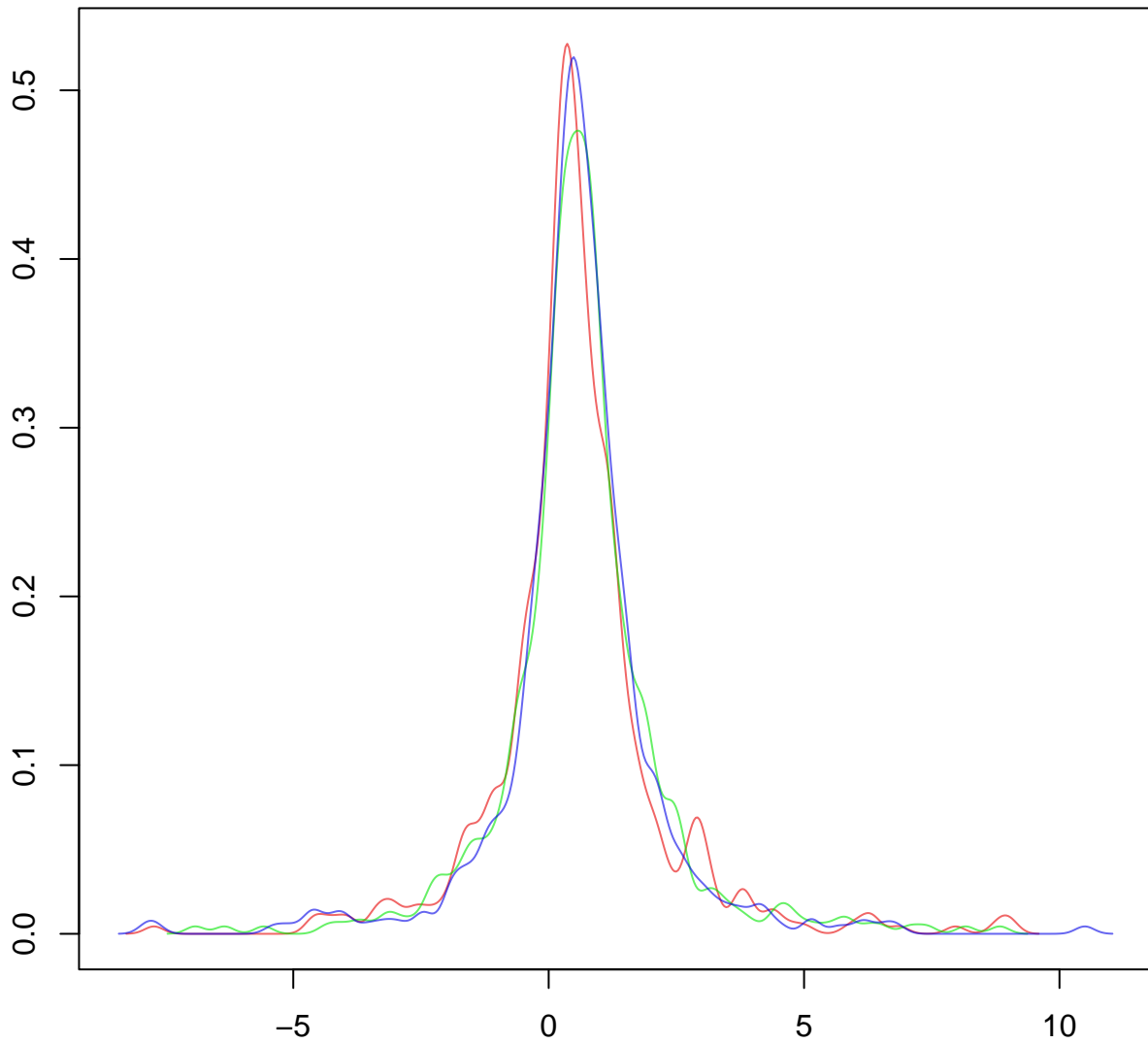
**a[1]**



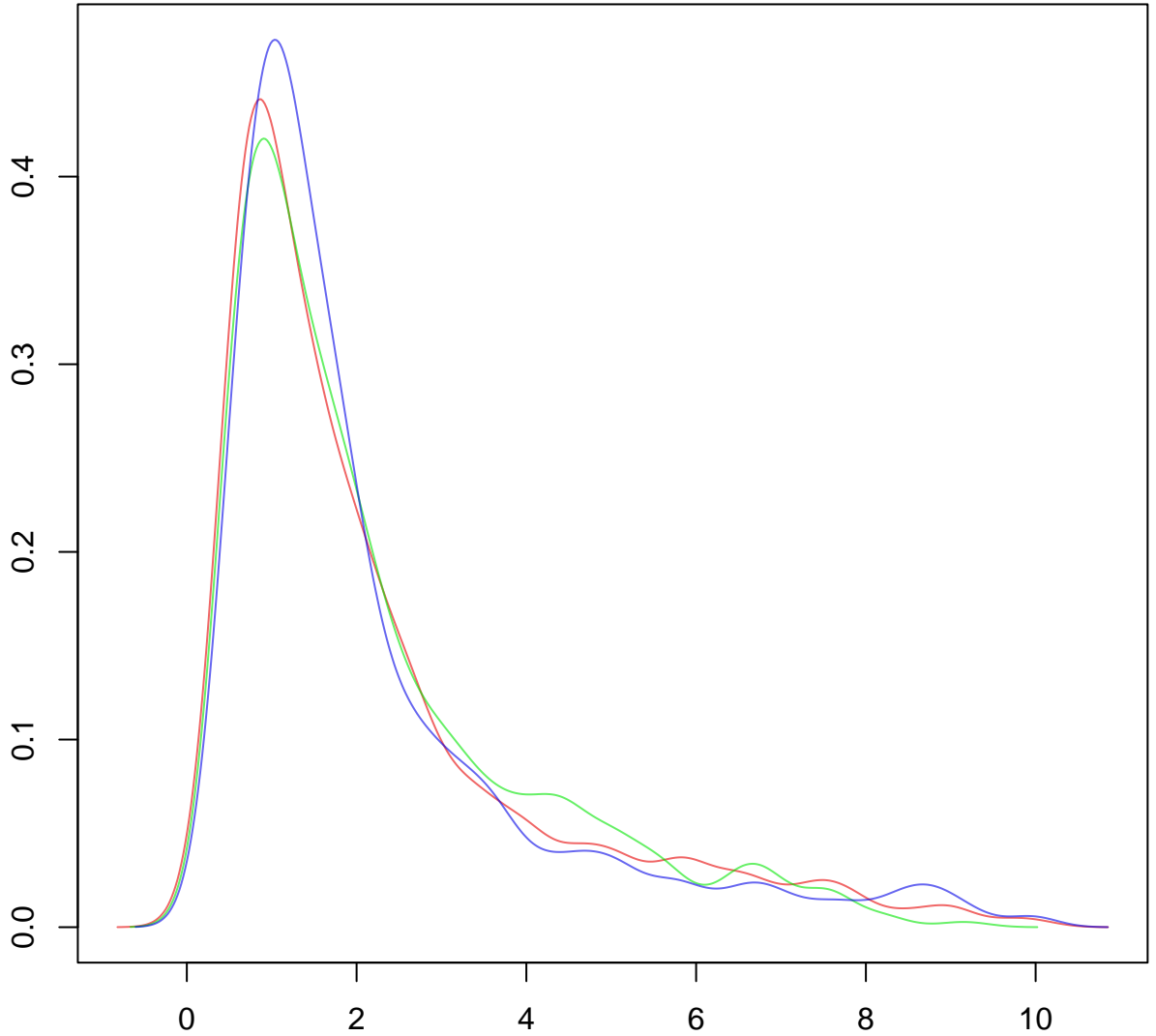
a[2]



**a[3]**

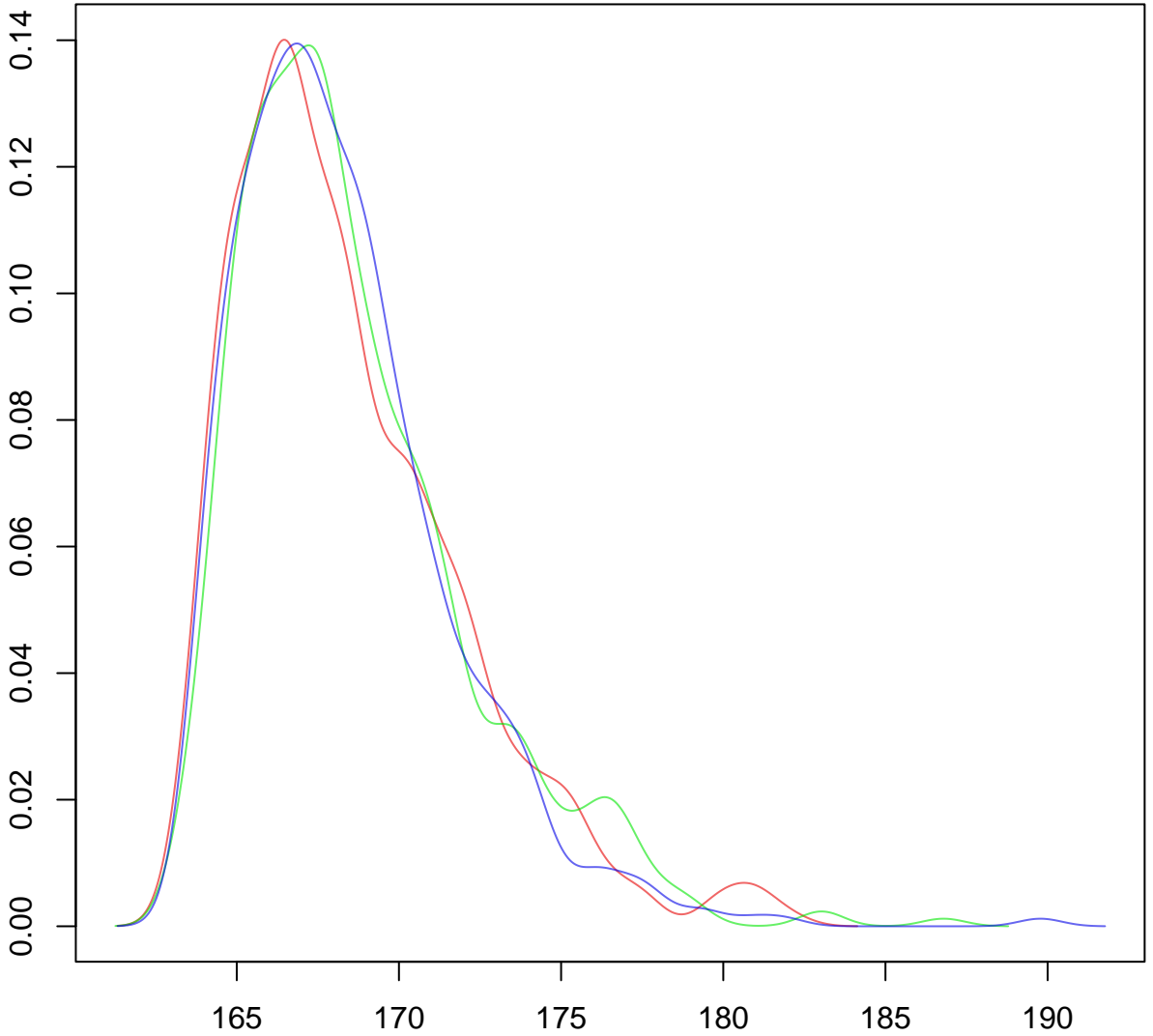


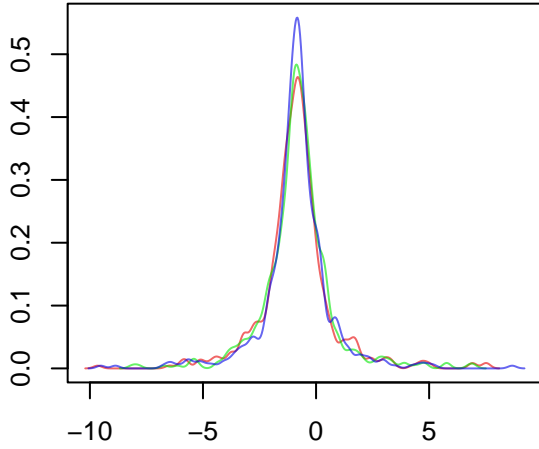
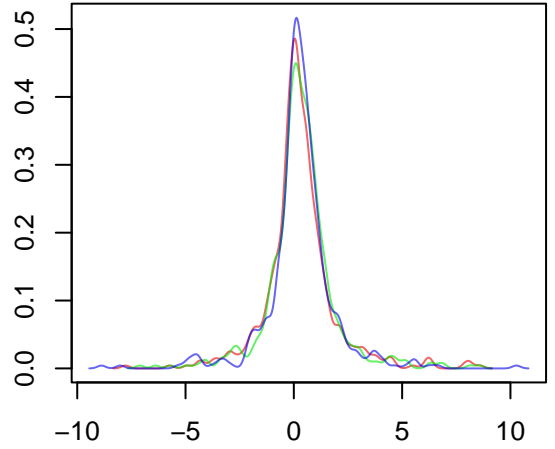
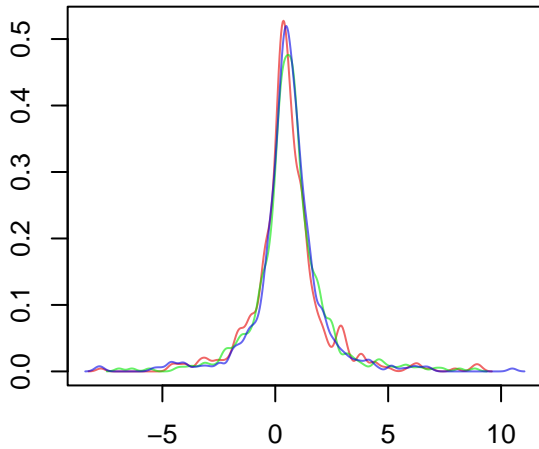
sig\_a



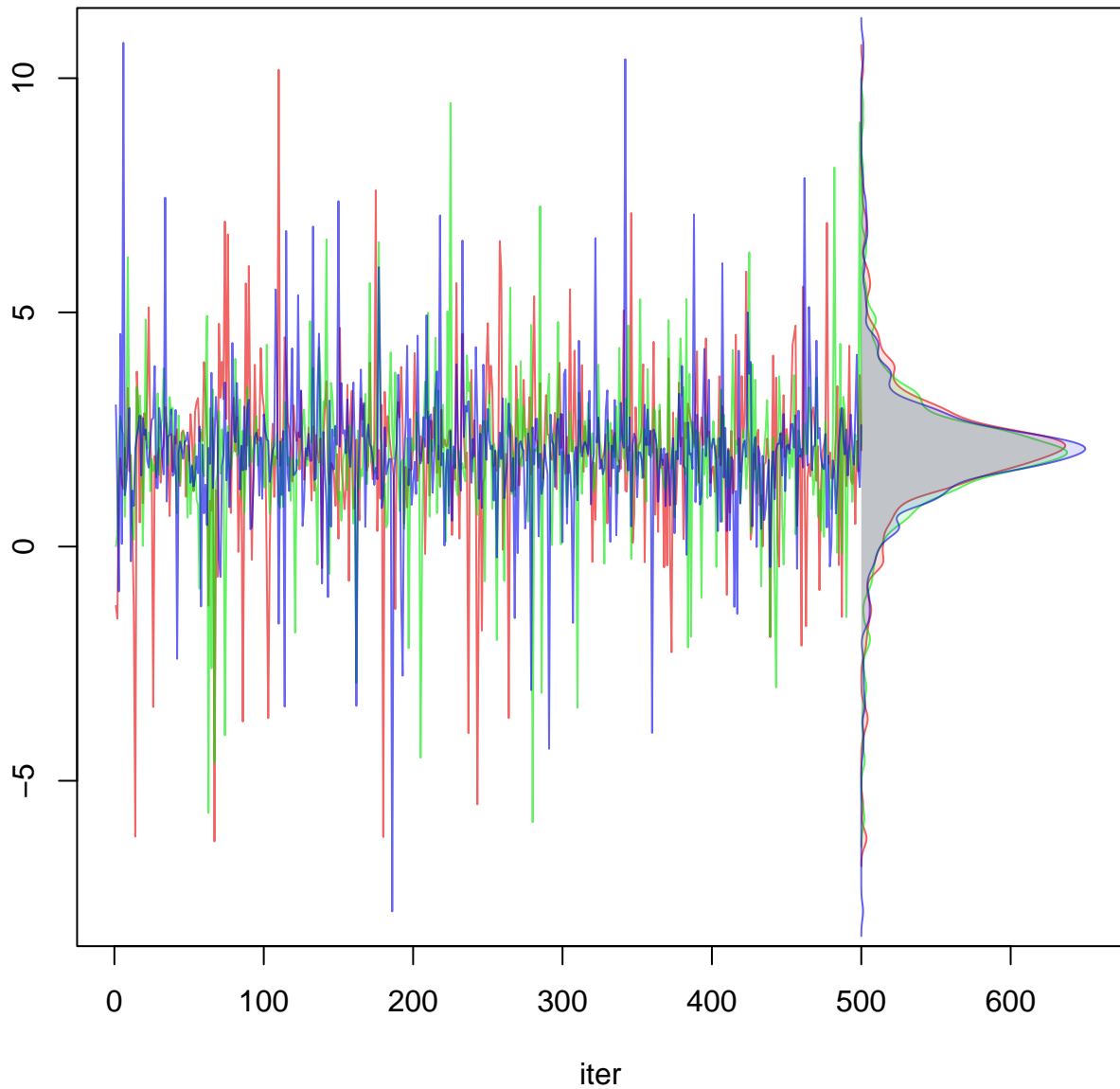


# deviance

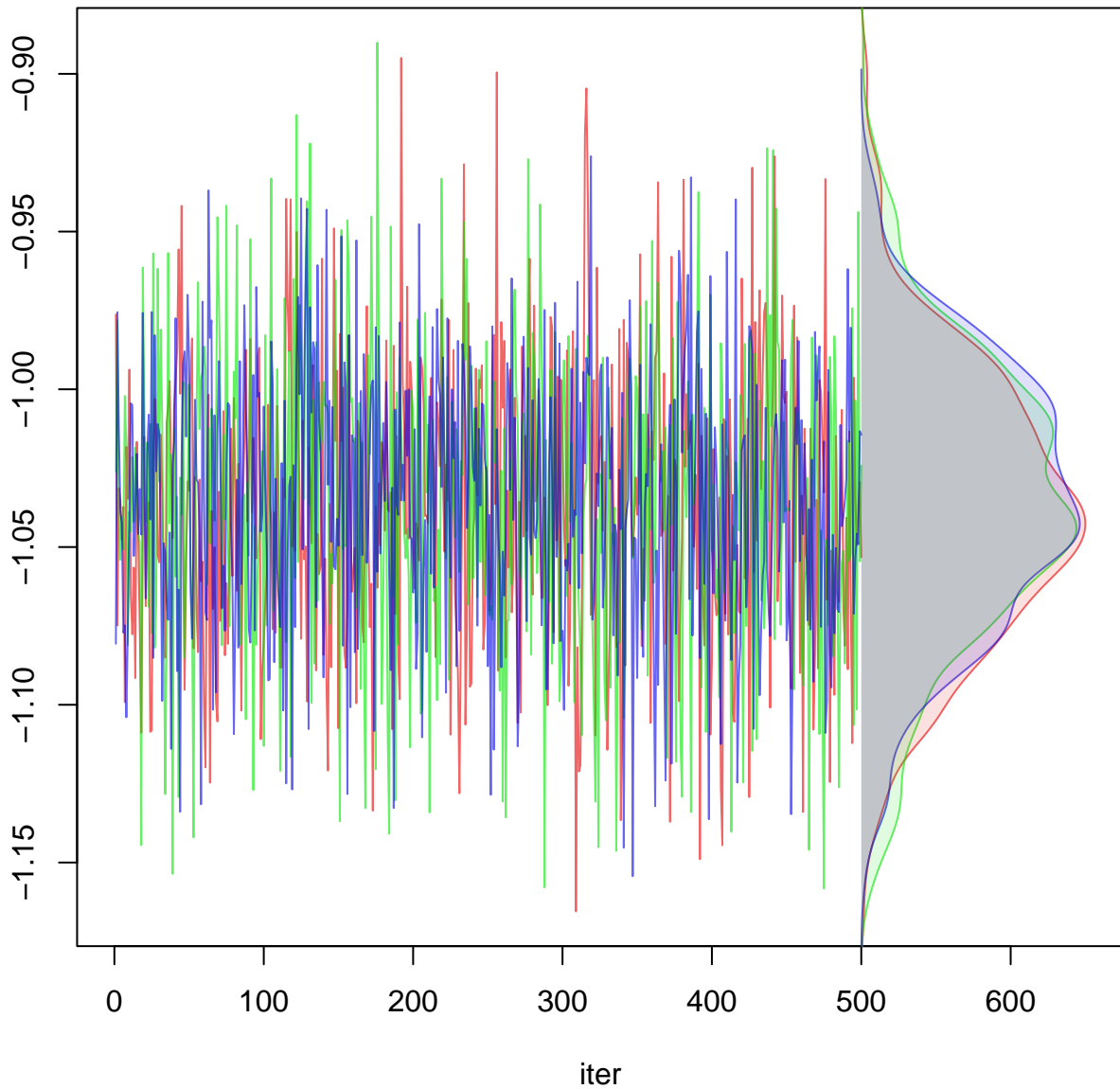


**a[1]****a[2]****a[3]**

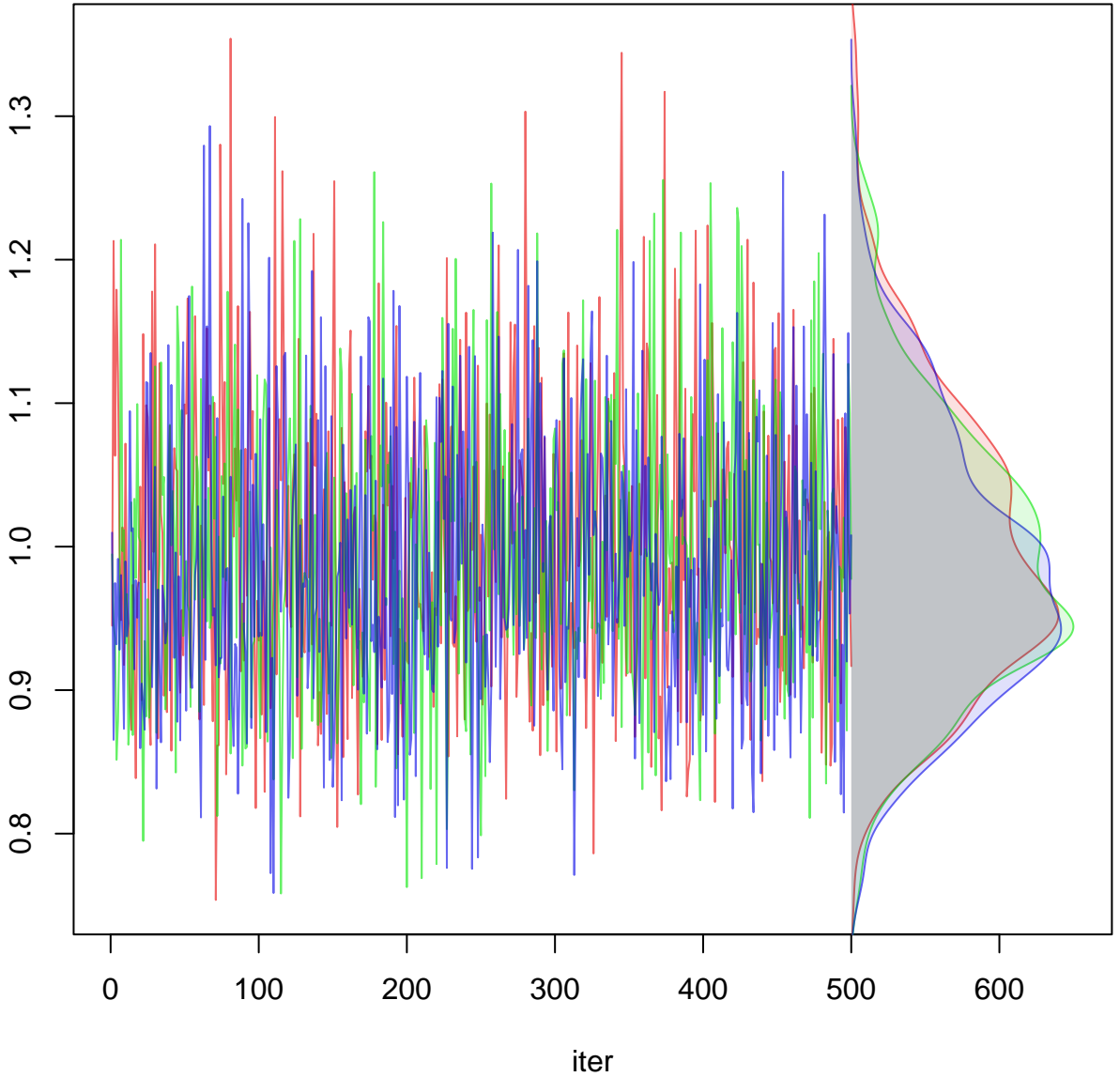
**b0**



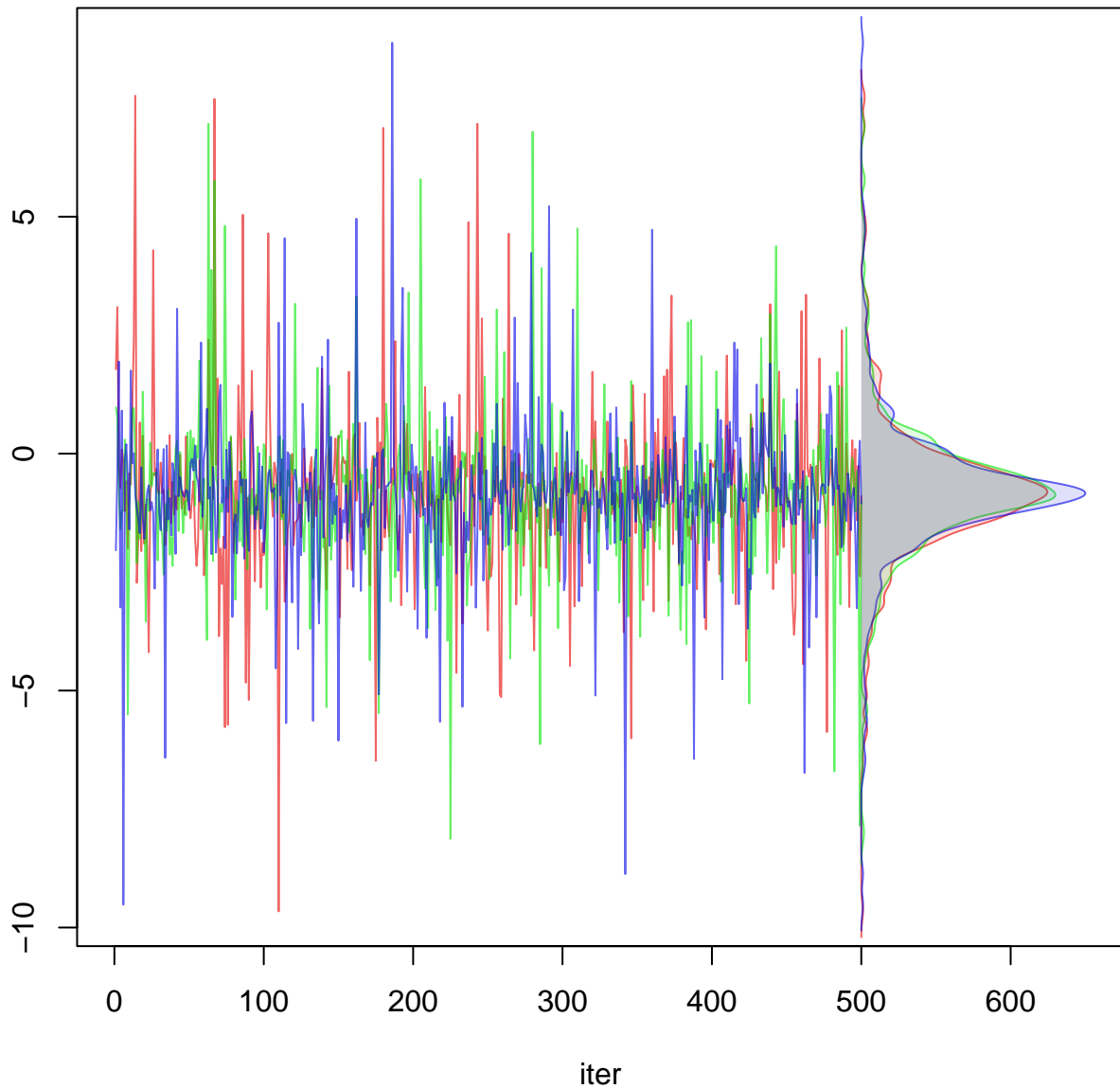
**b1**



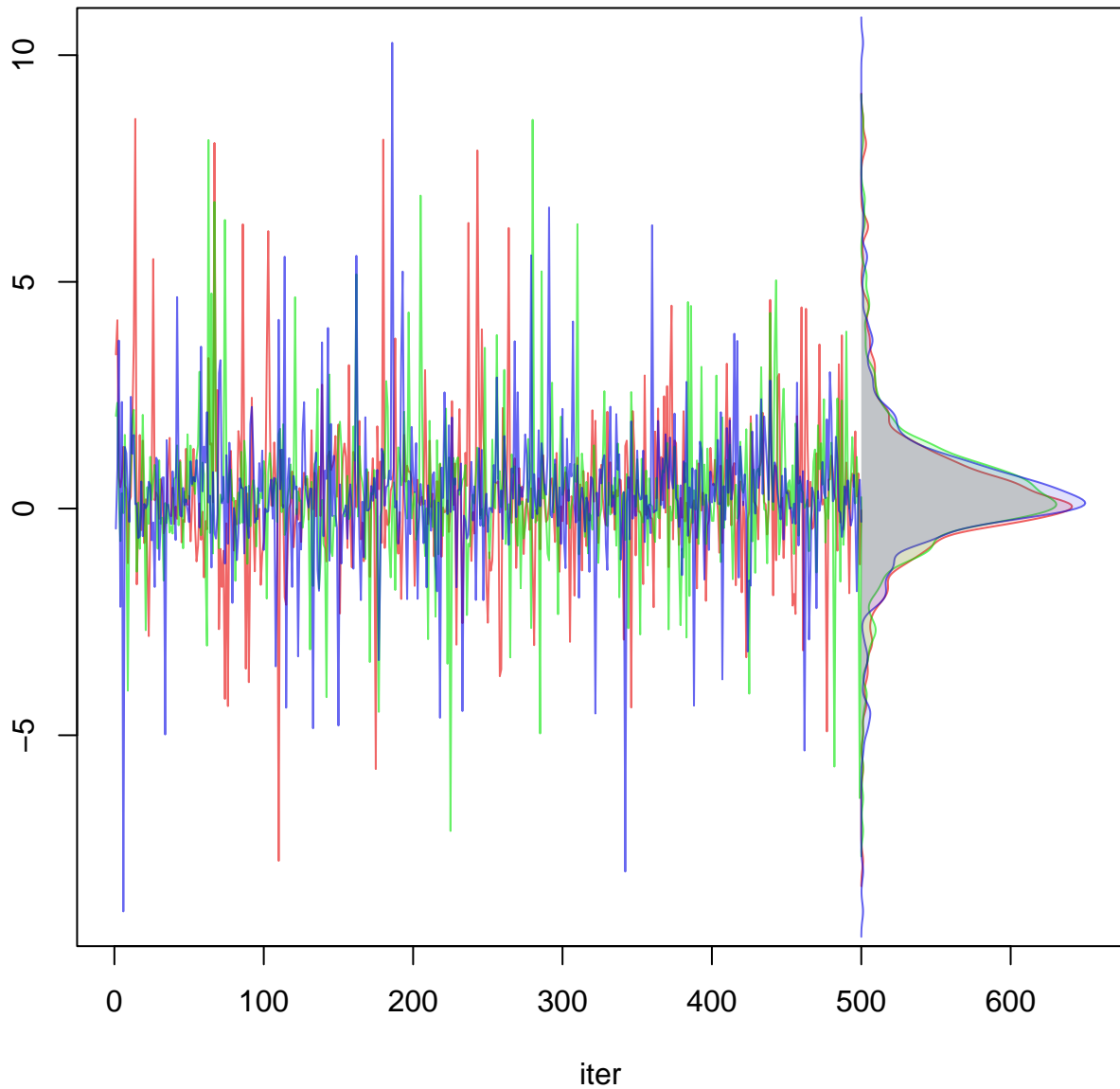
**sig**



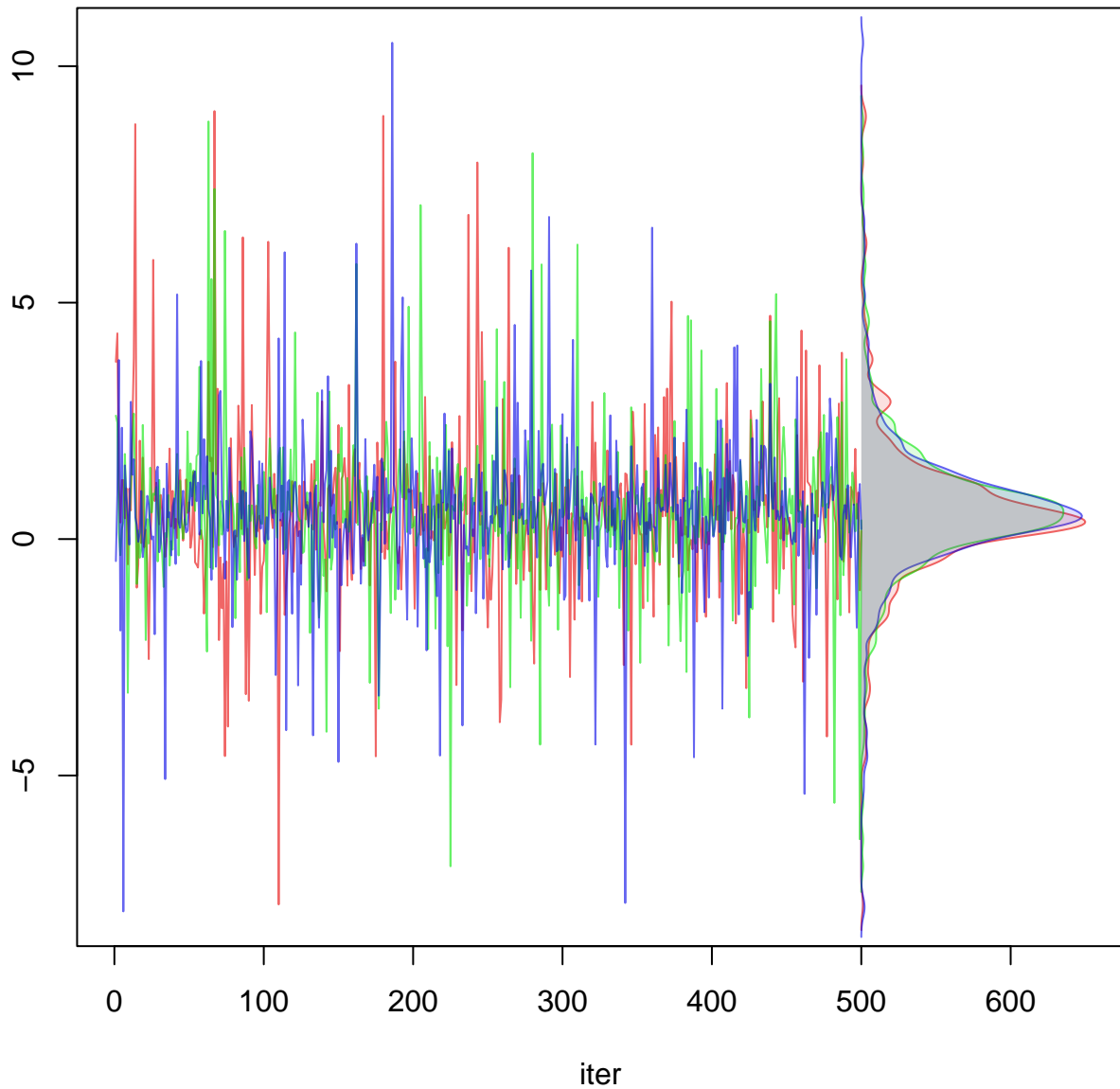
a[1]



a[2]

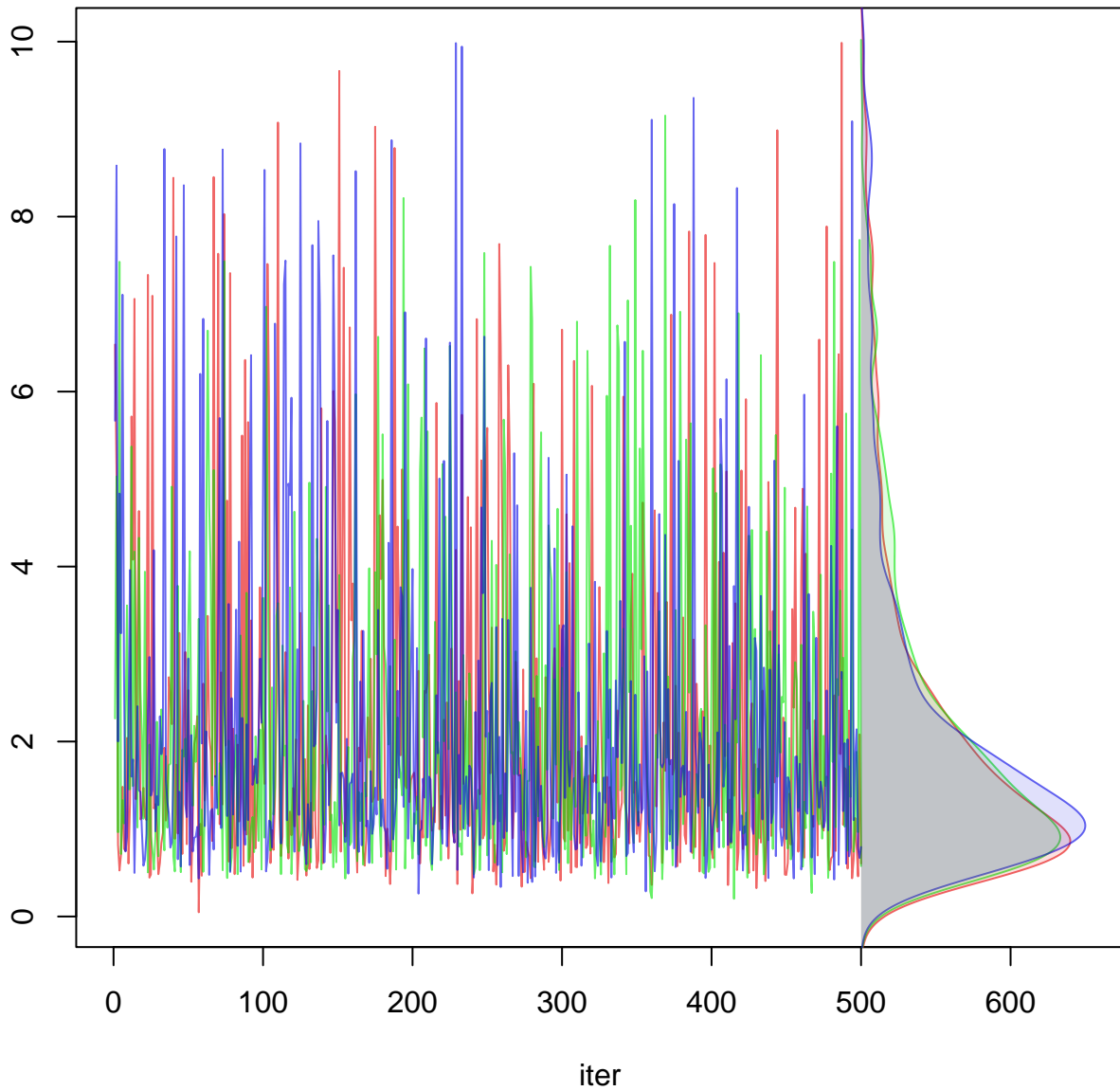


**a[3]**

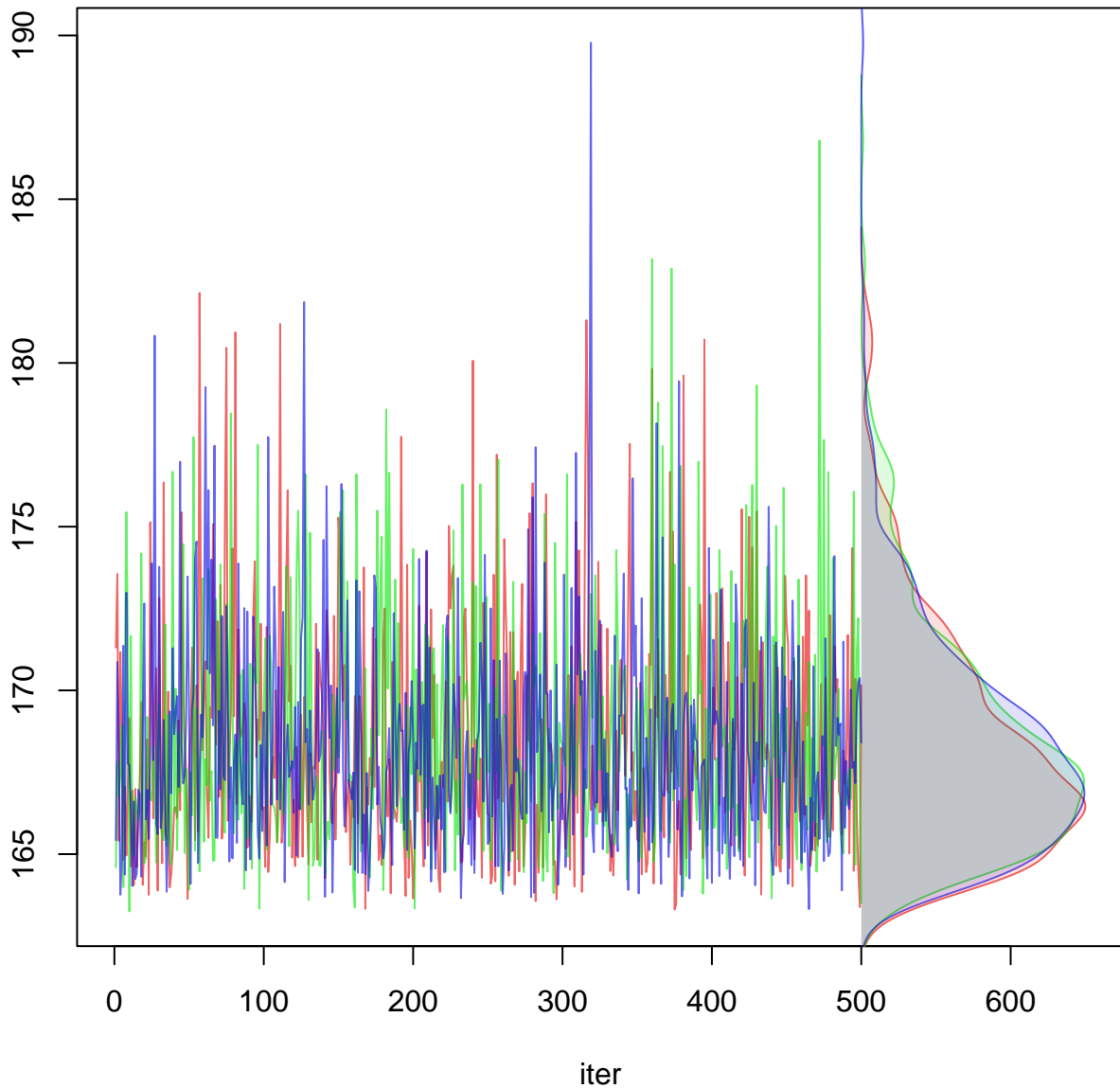


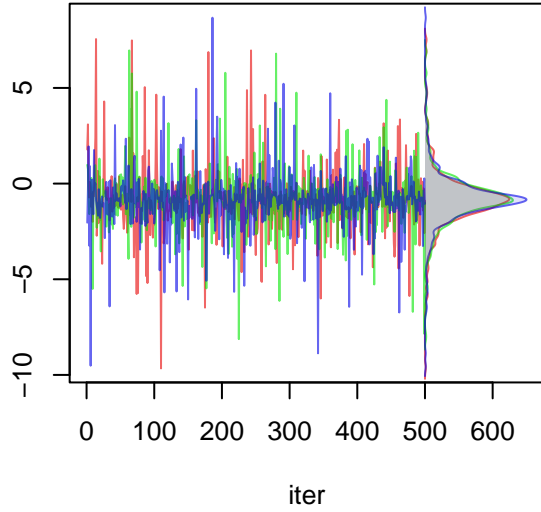
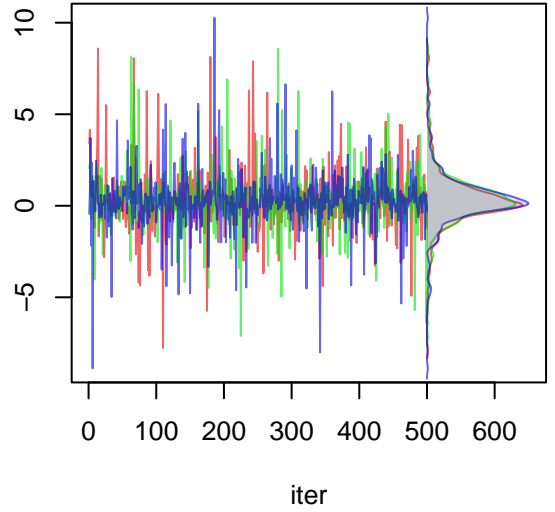
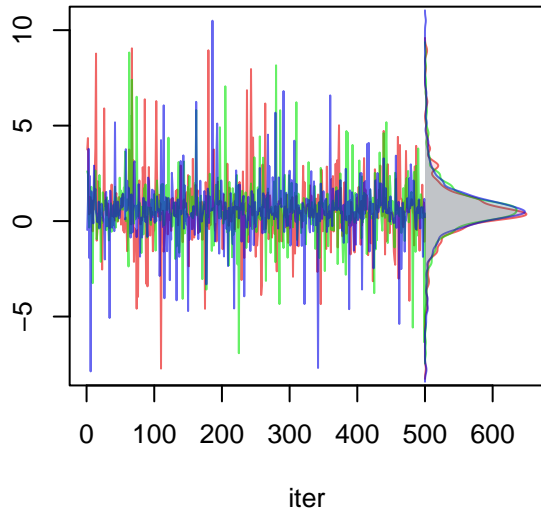


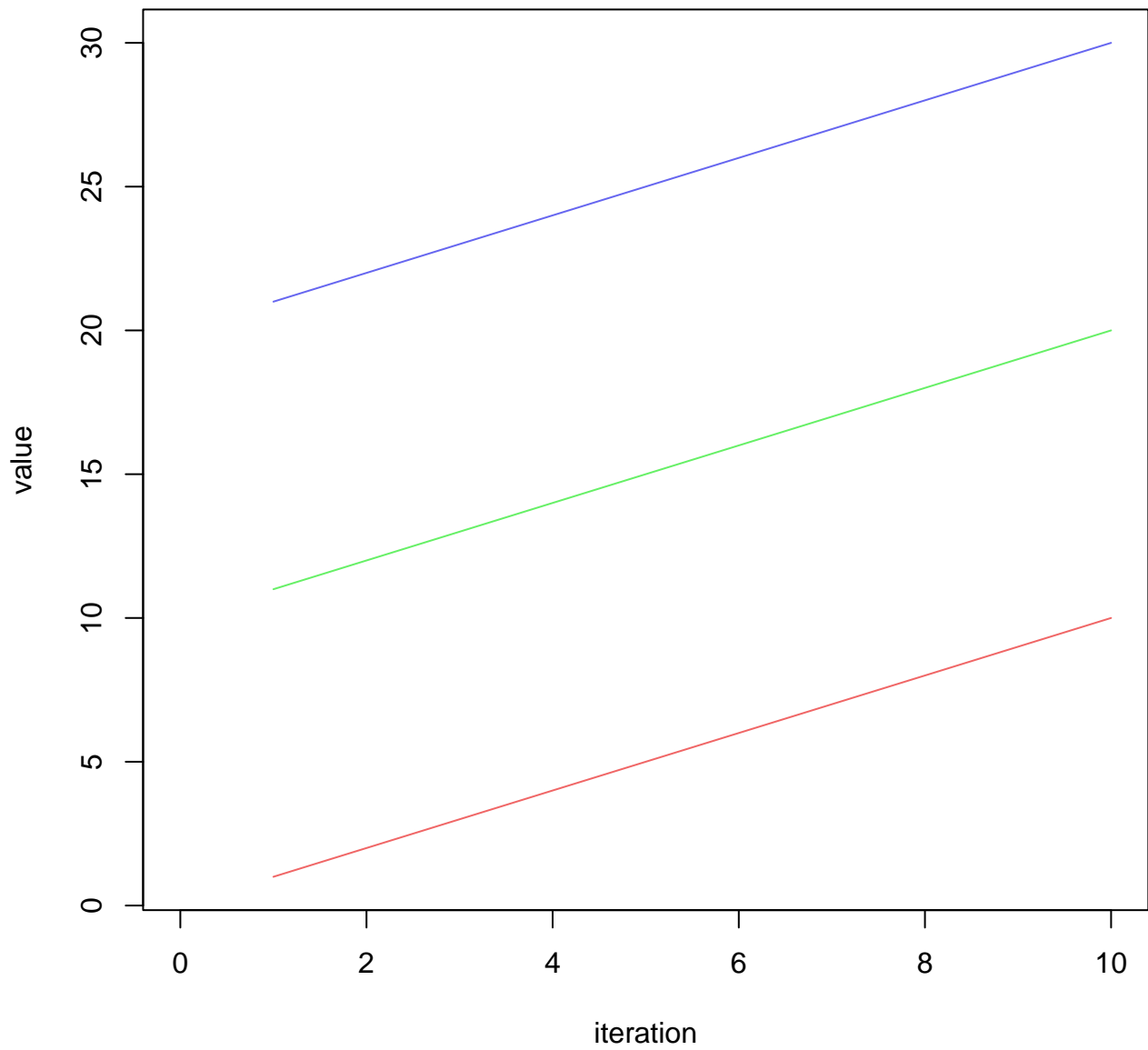
sig\_a

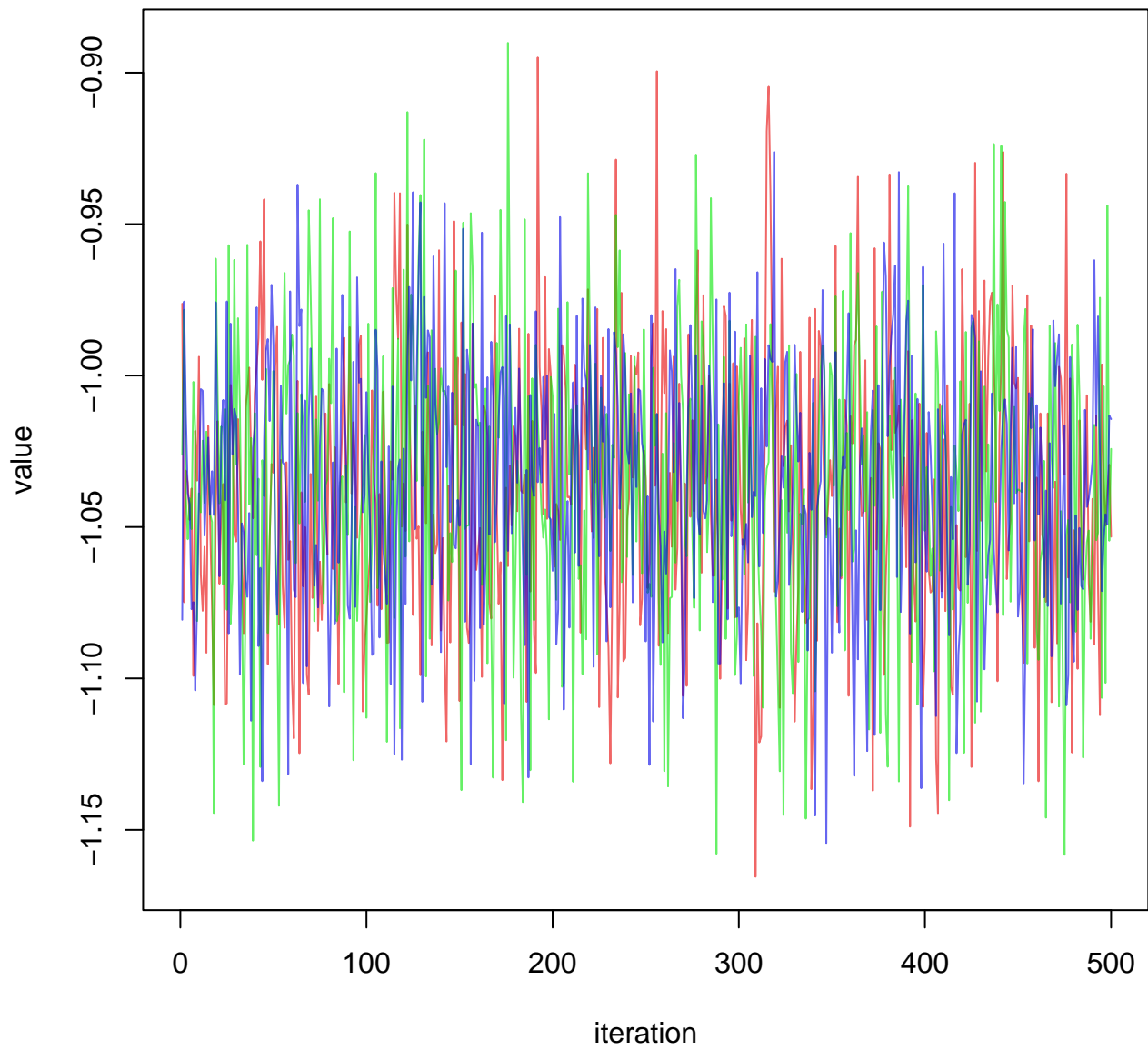


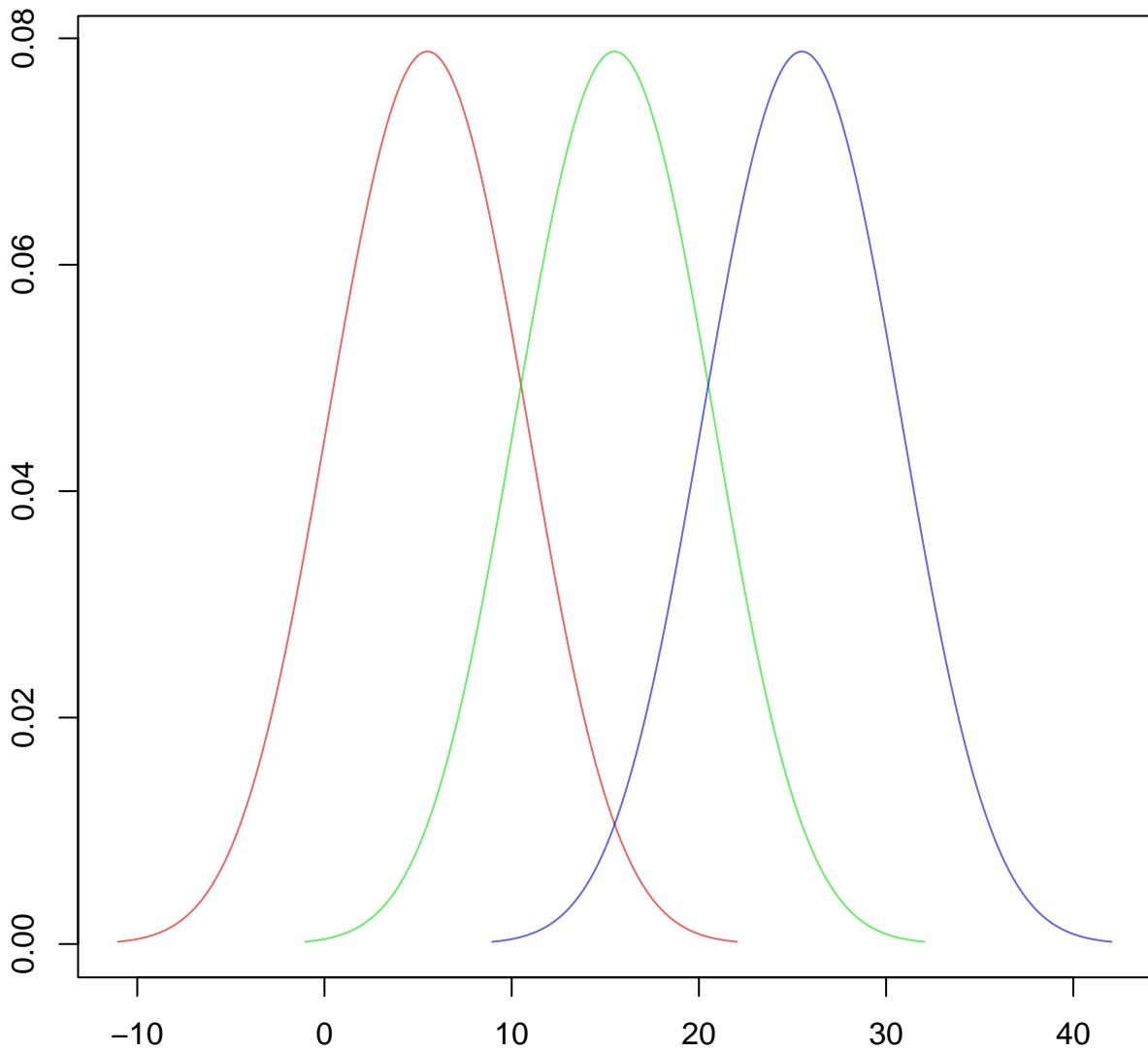
# deviance

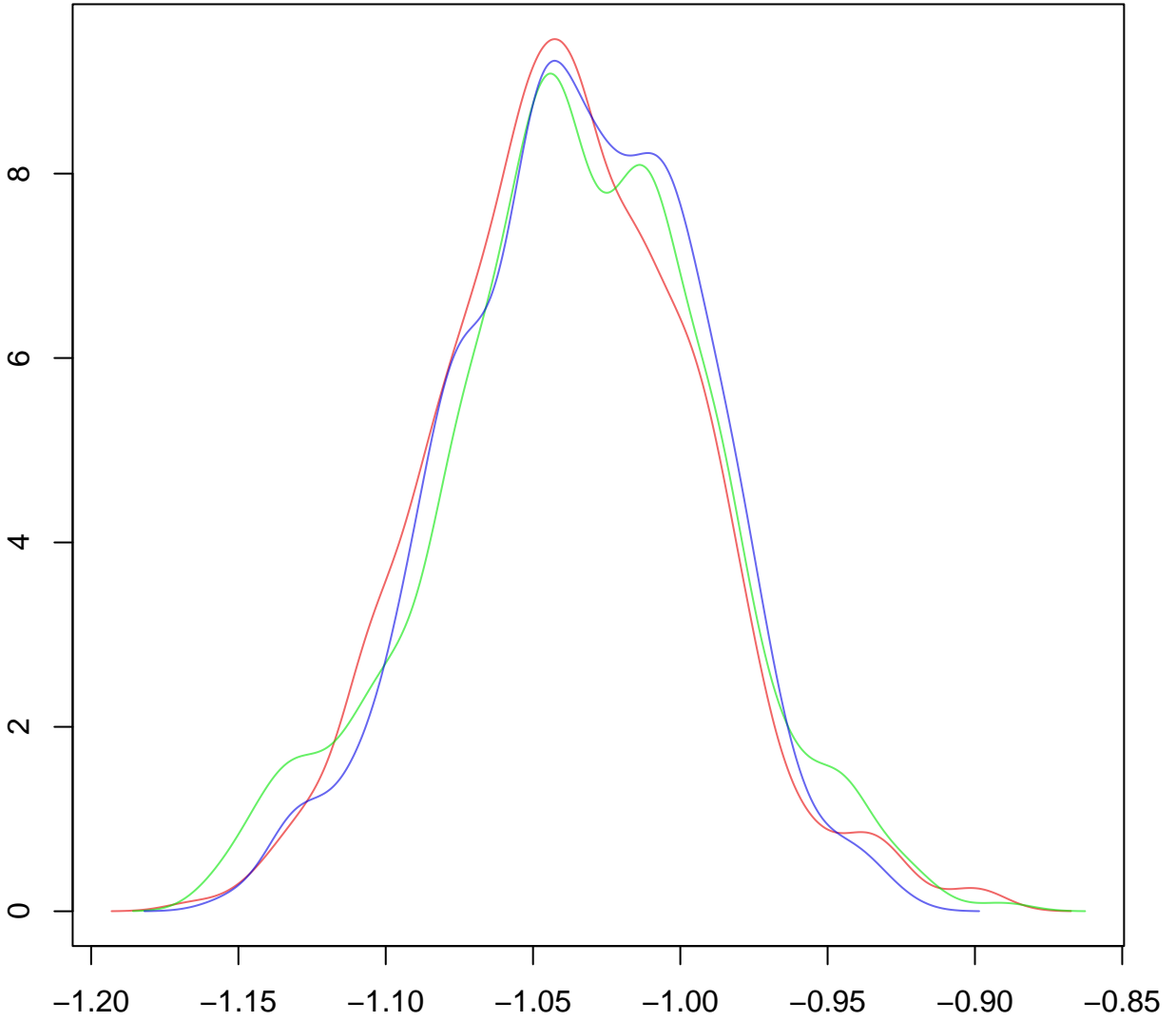


**a[1]****a[2]****a[3]**

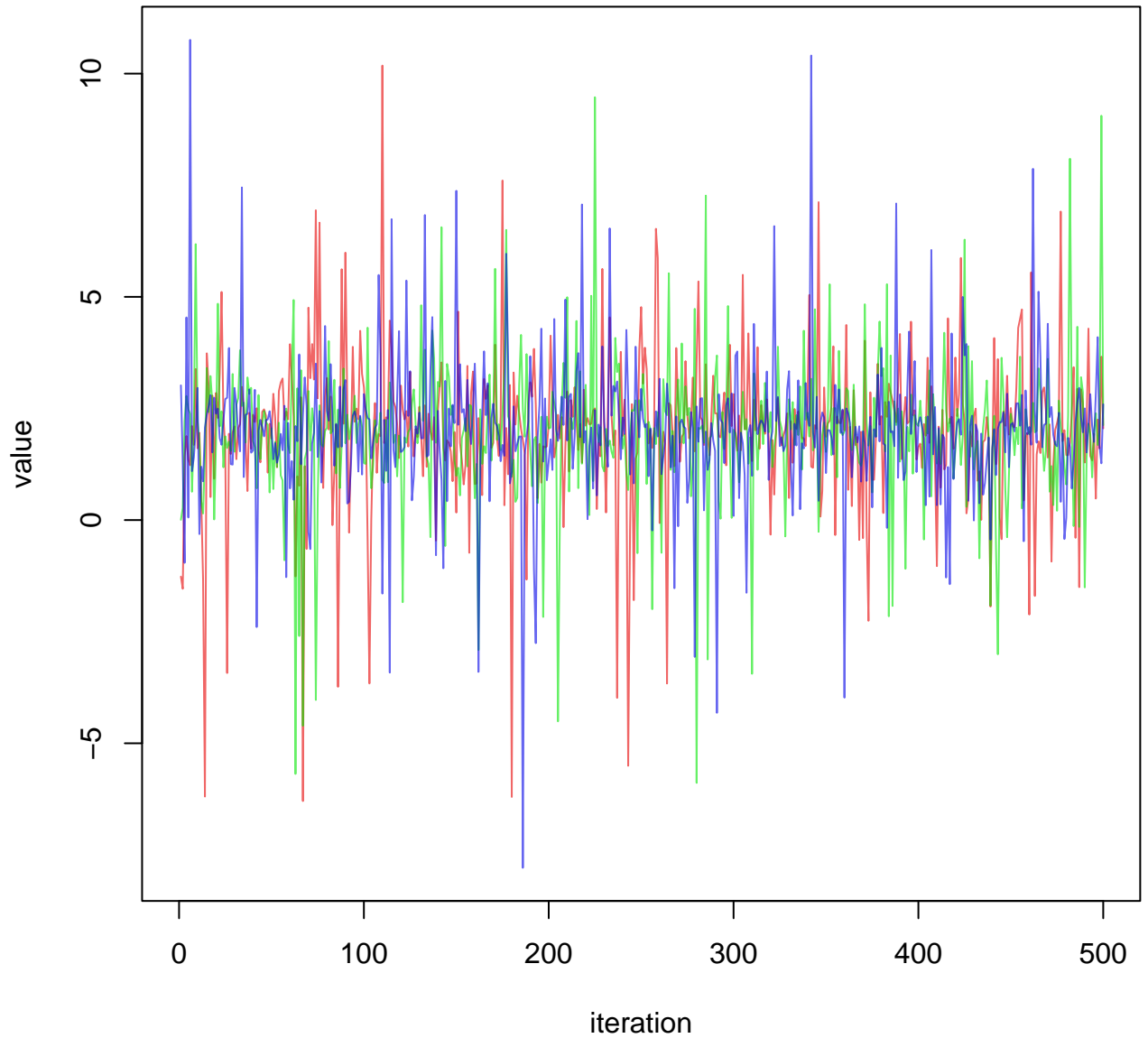






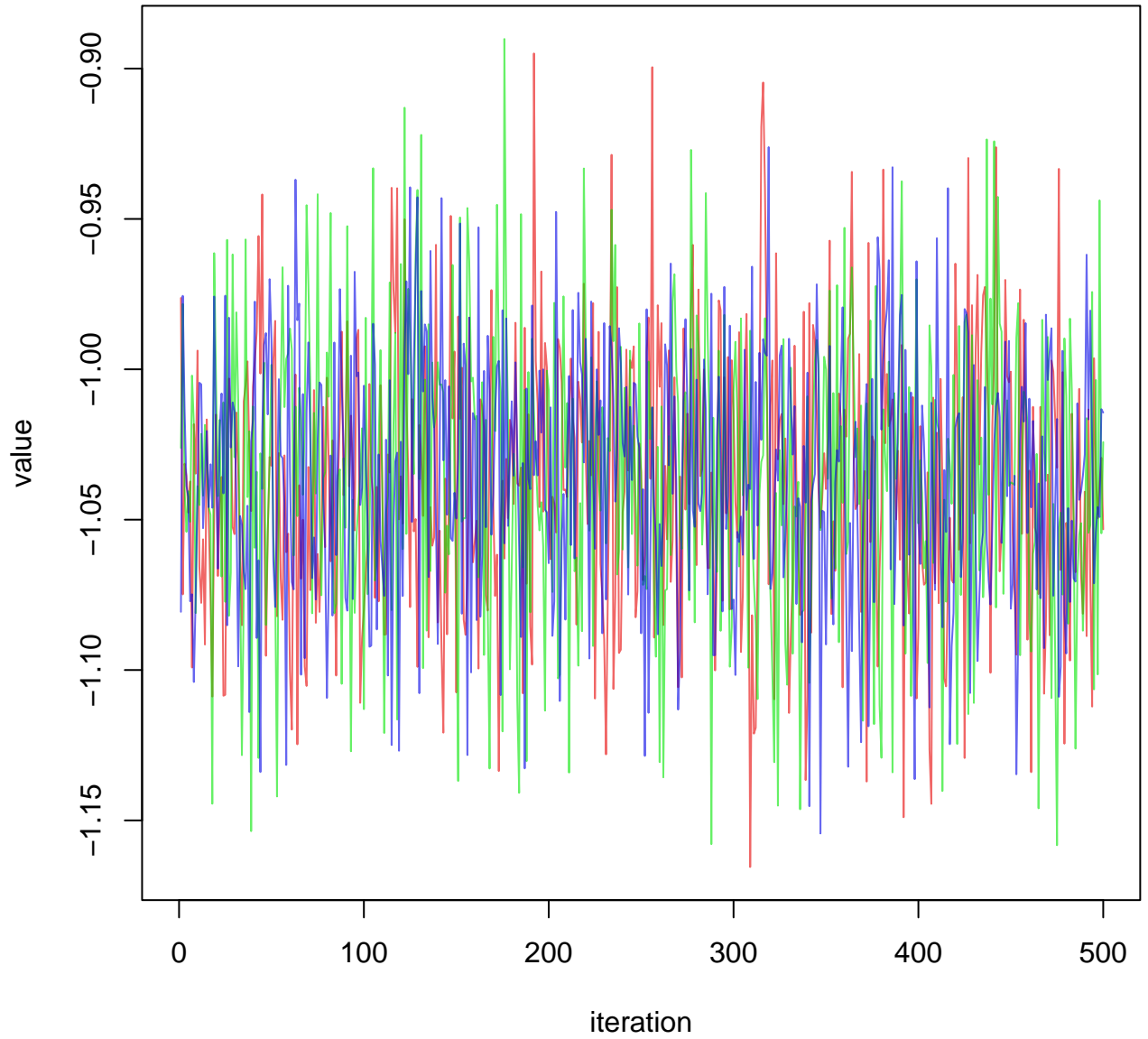


**b0**

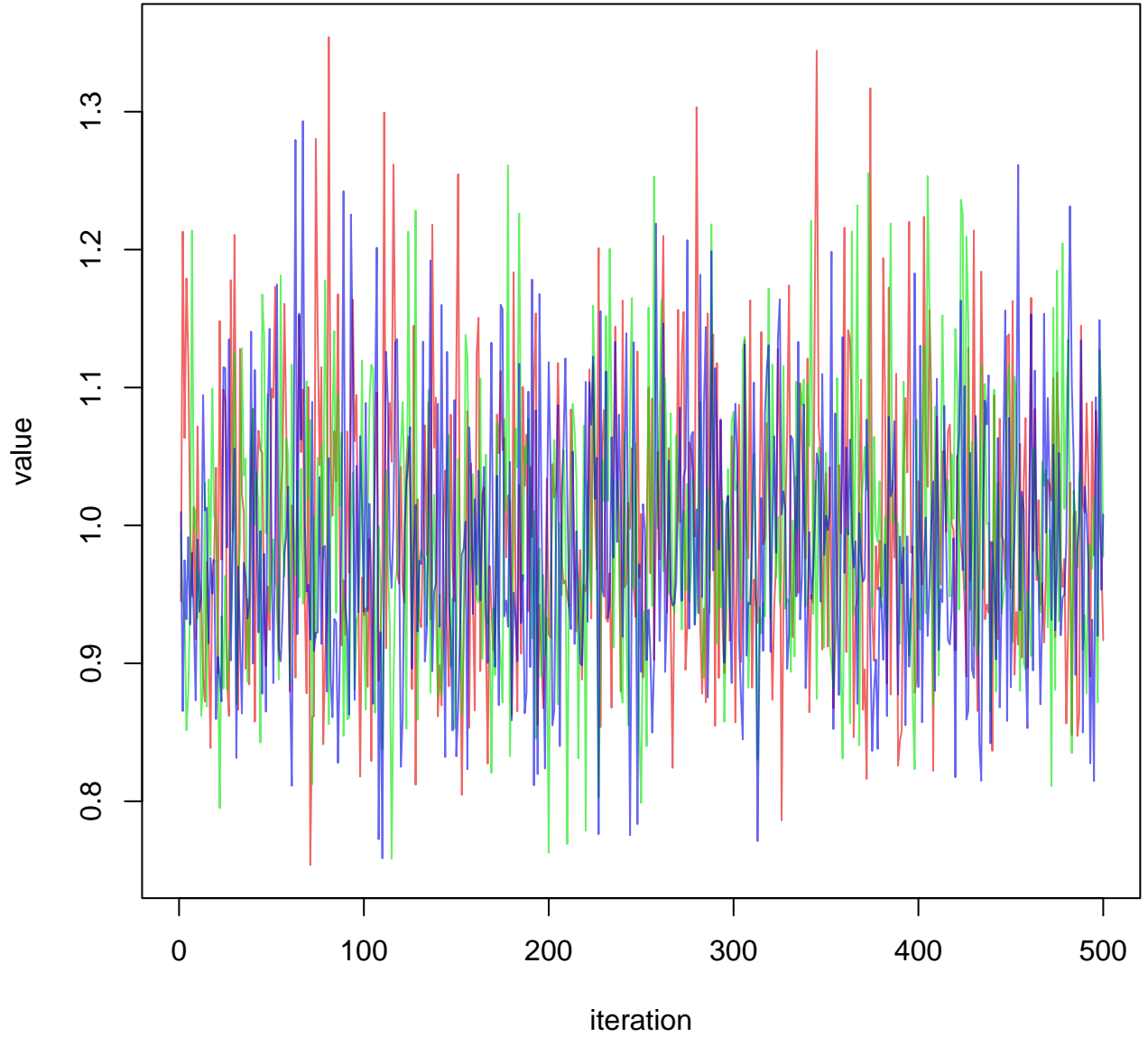




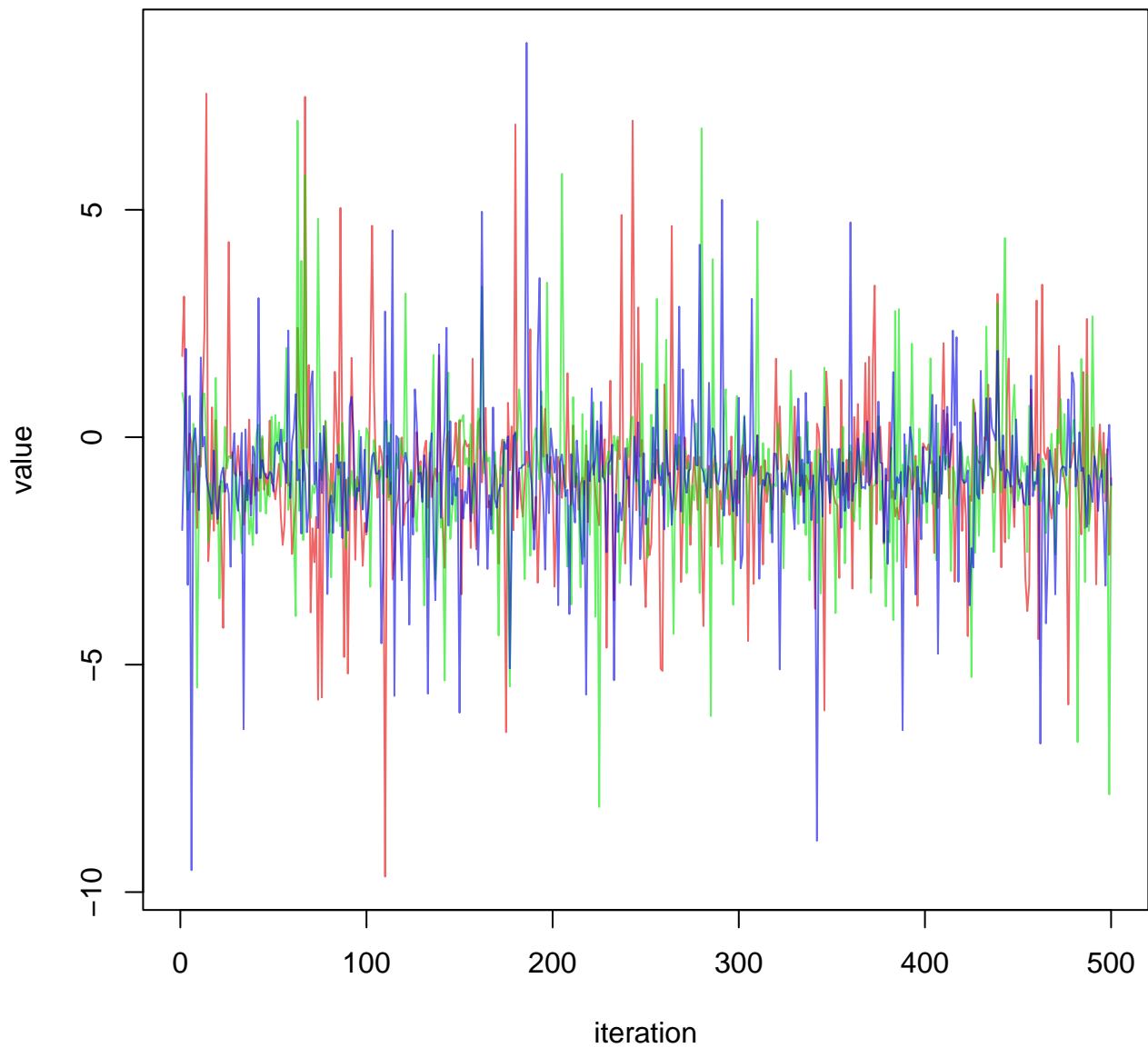
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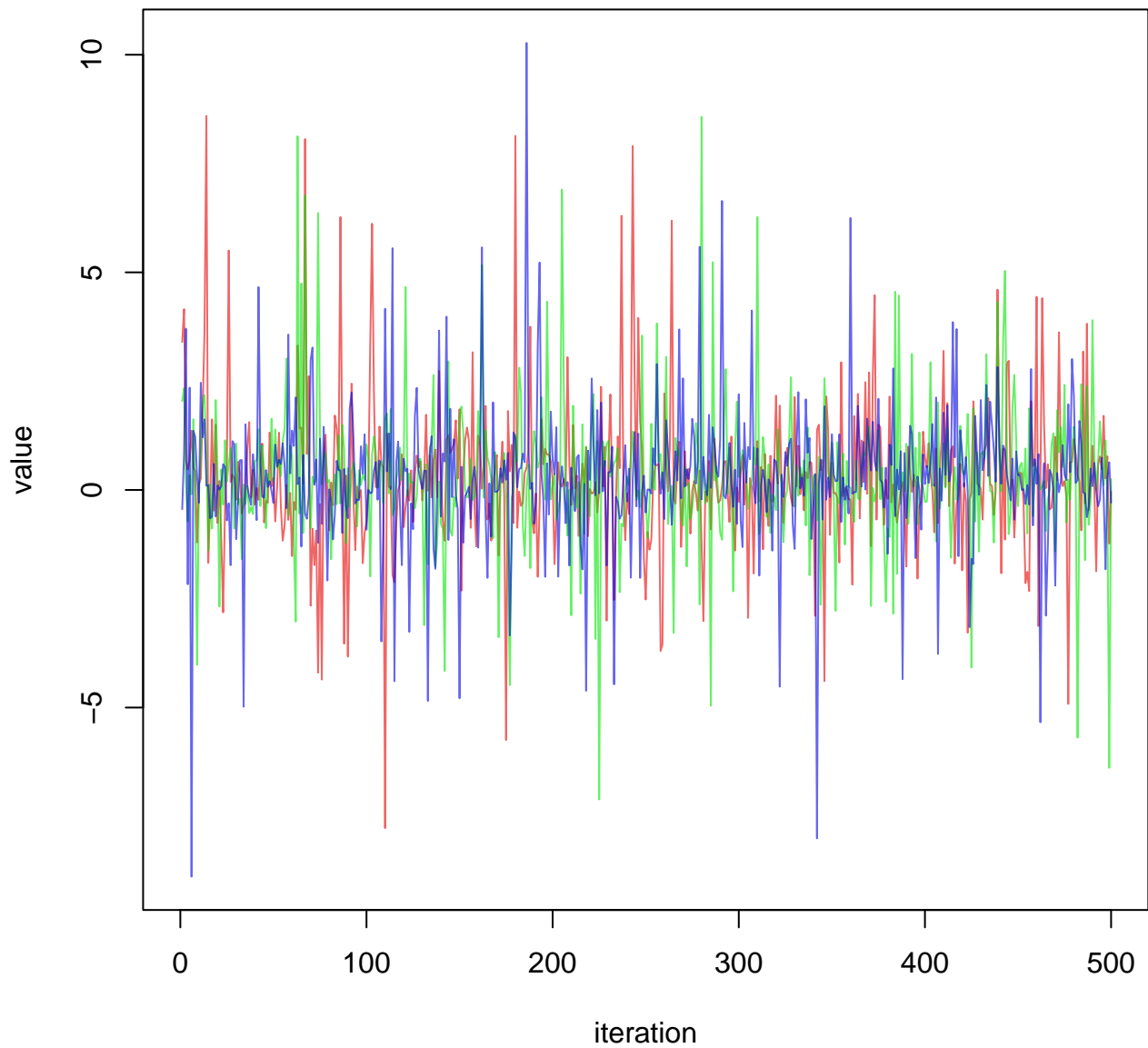
**sig**



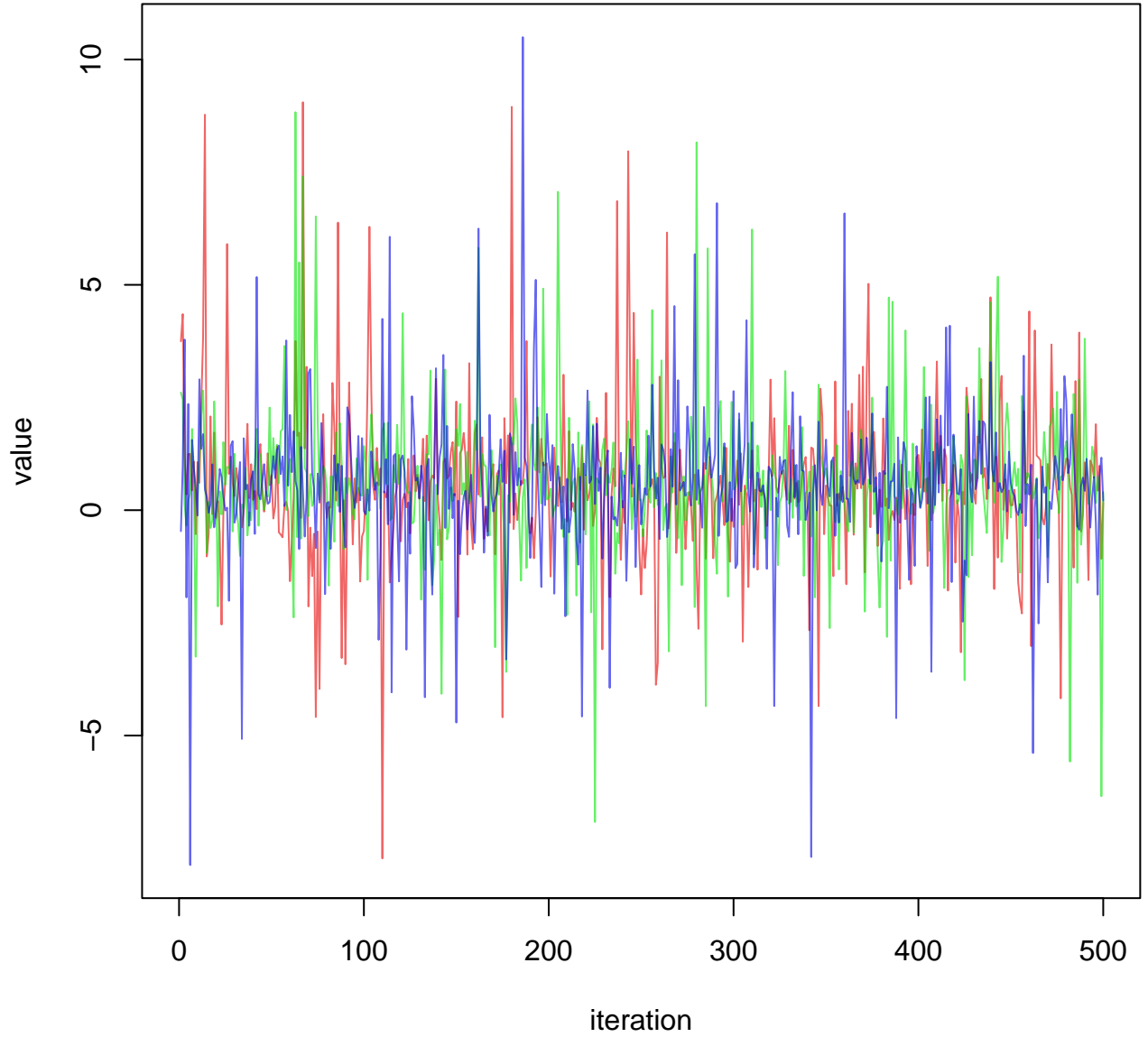
a[1]



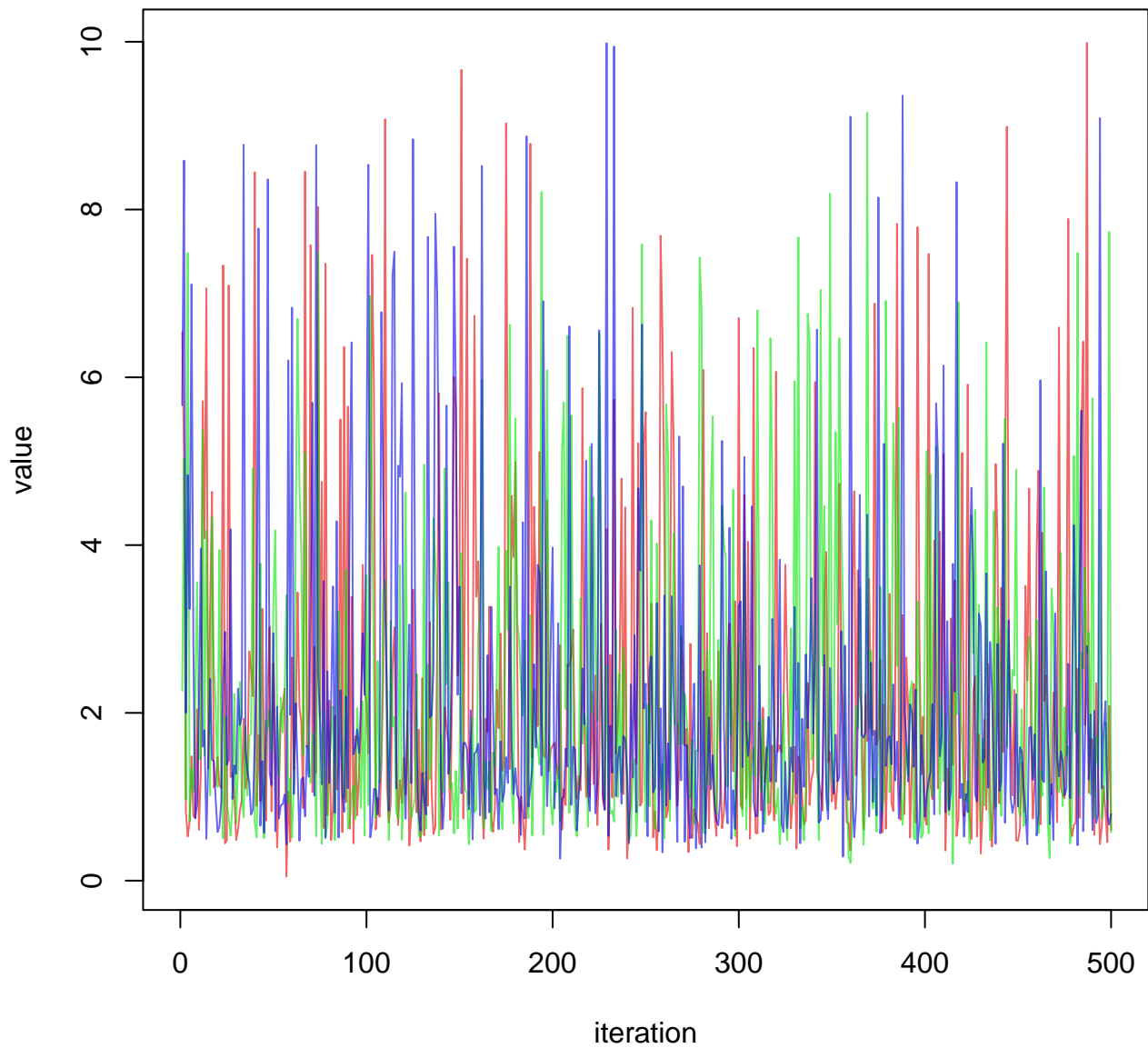
a[2]



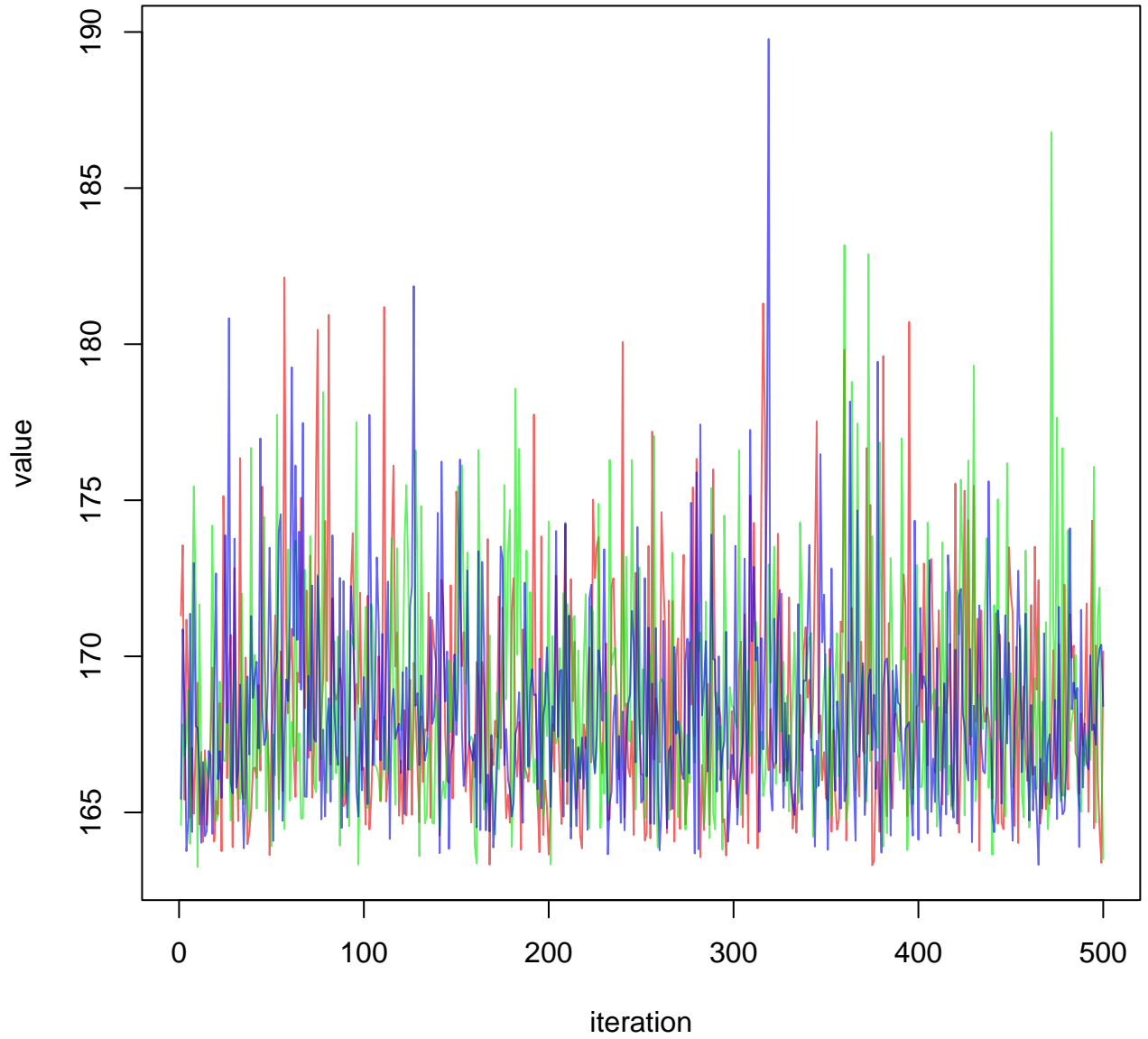
**a[3]**



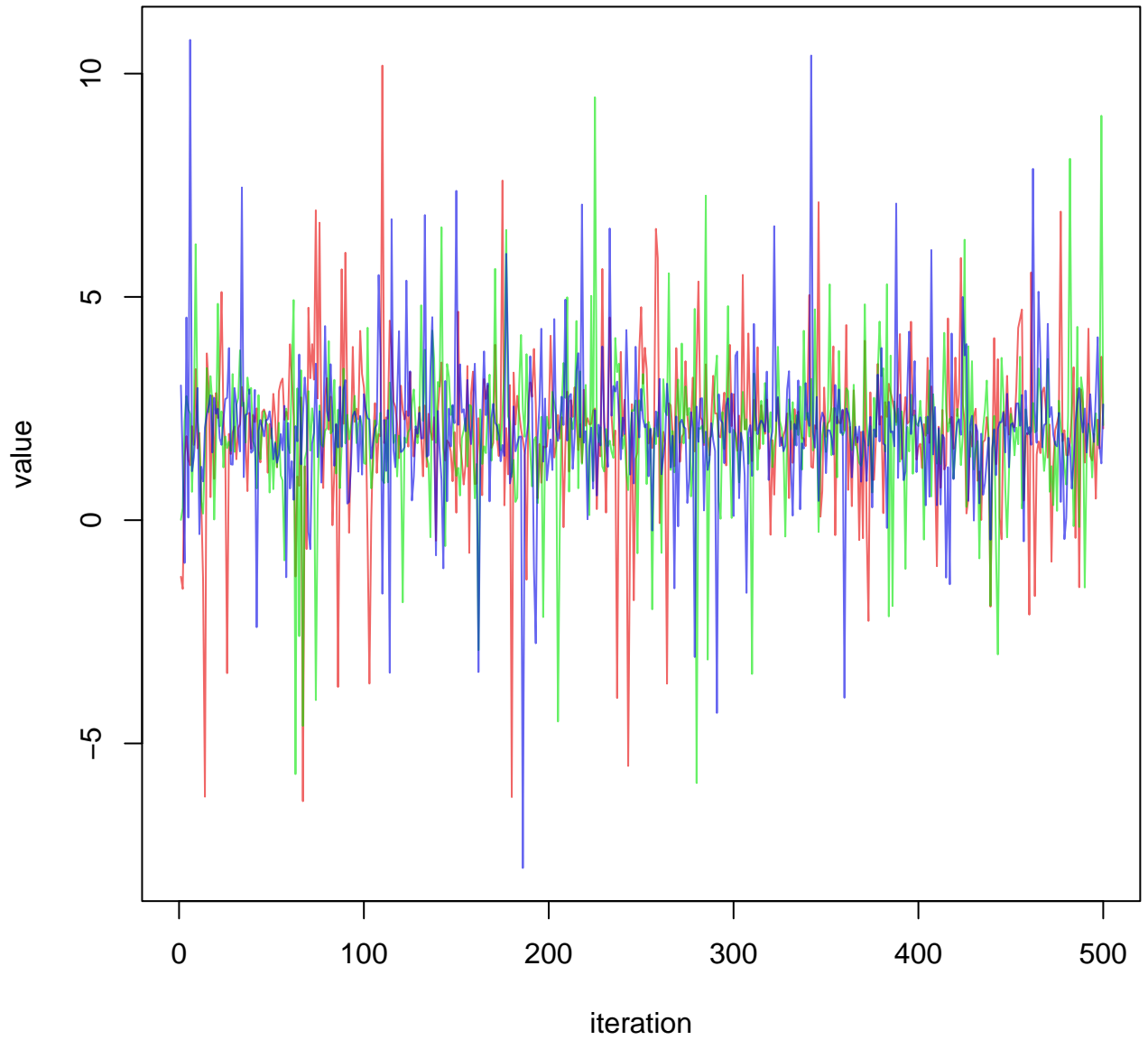
sig\_a



# deviance

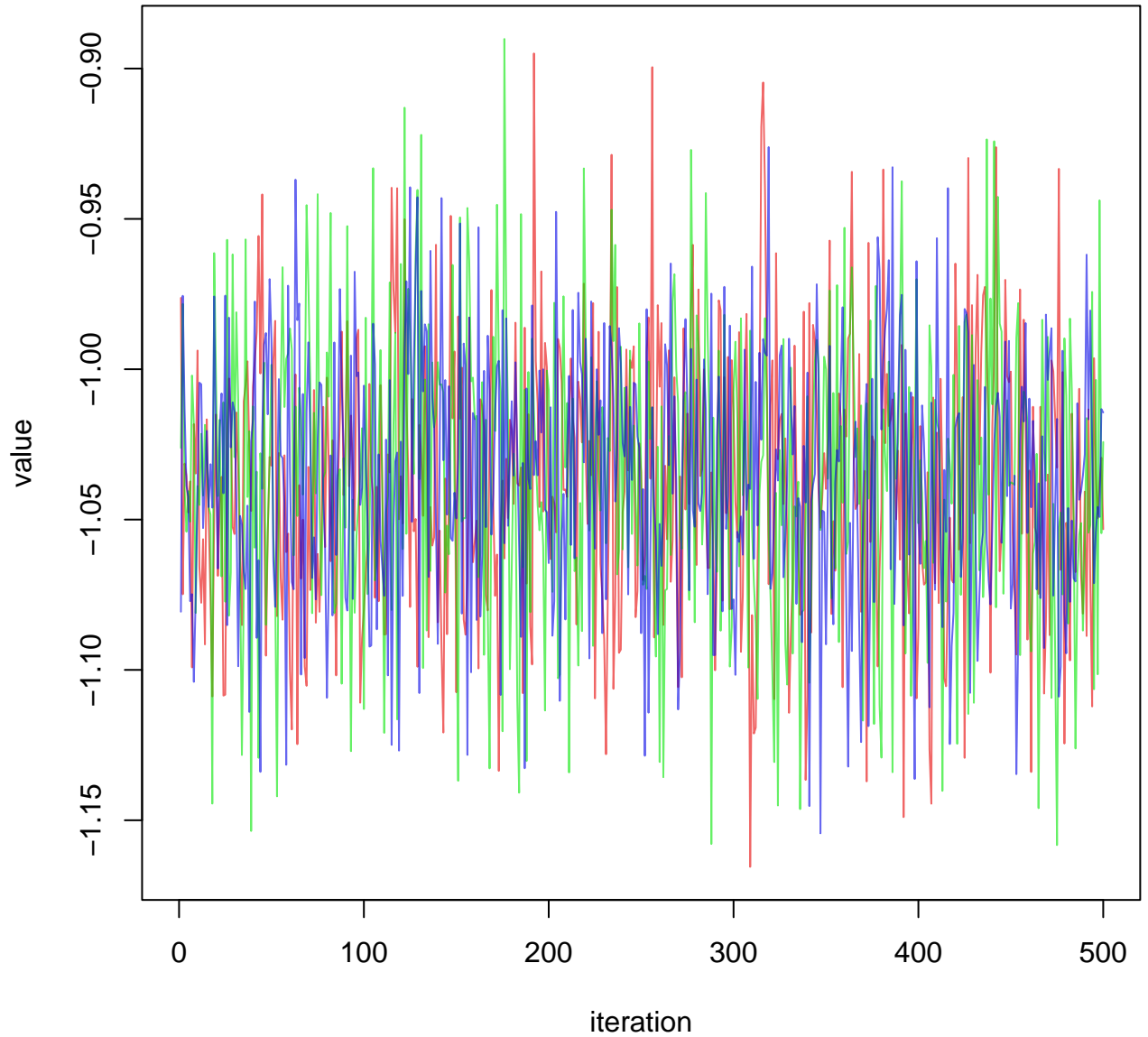


**b0**

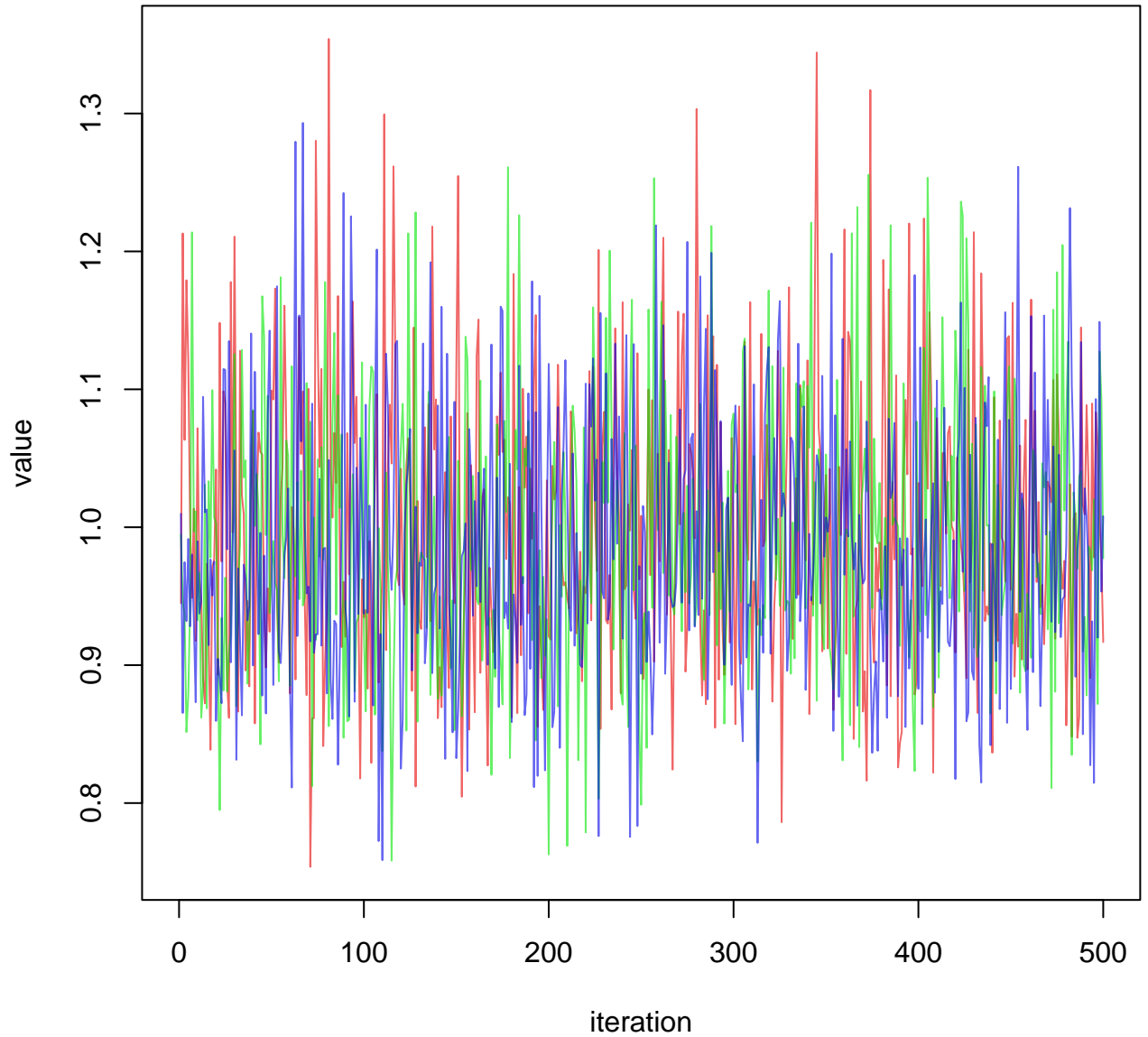




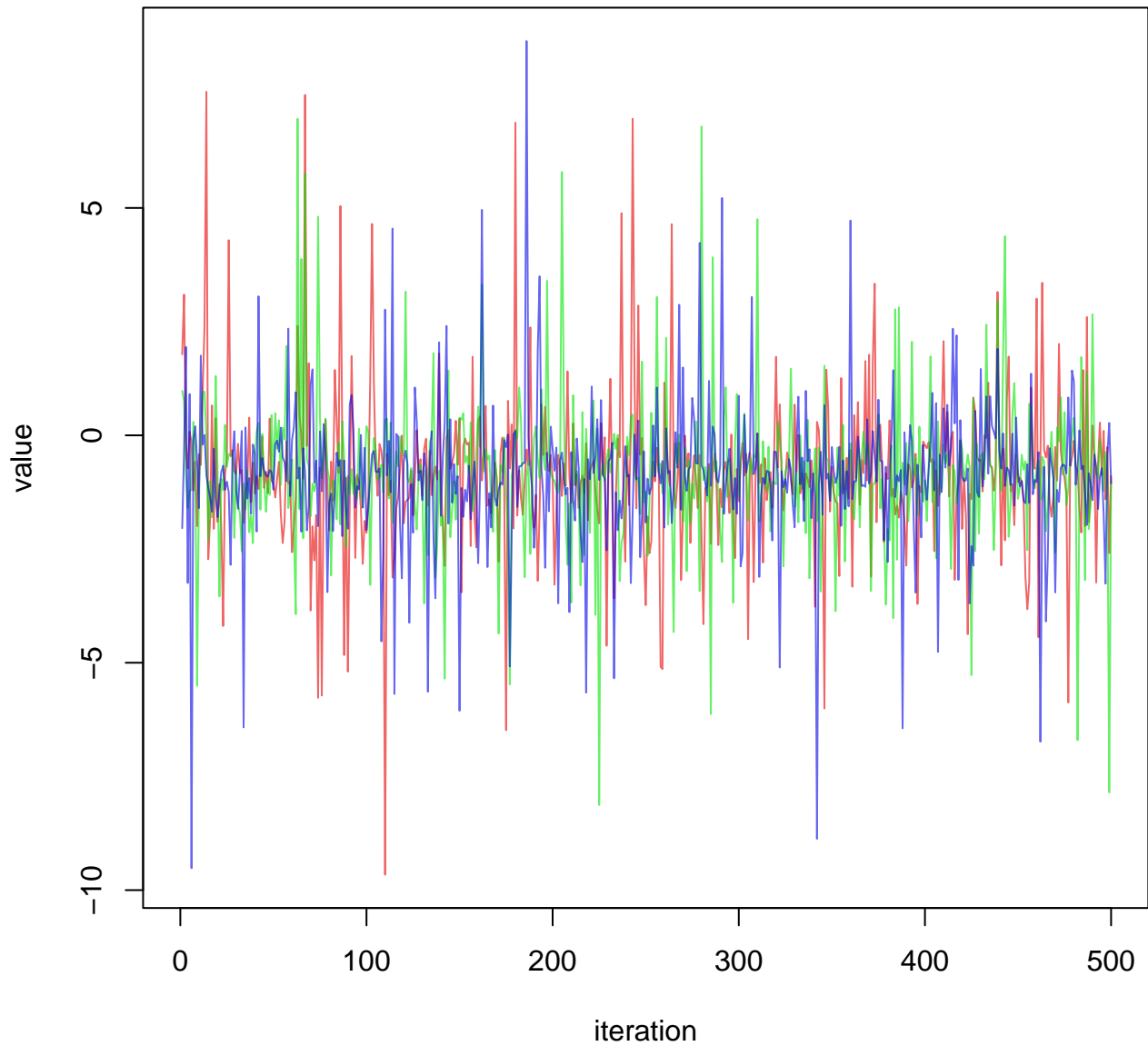
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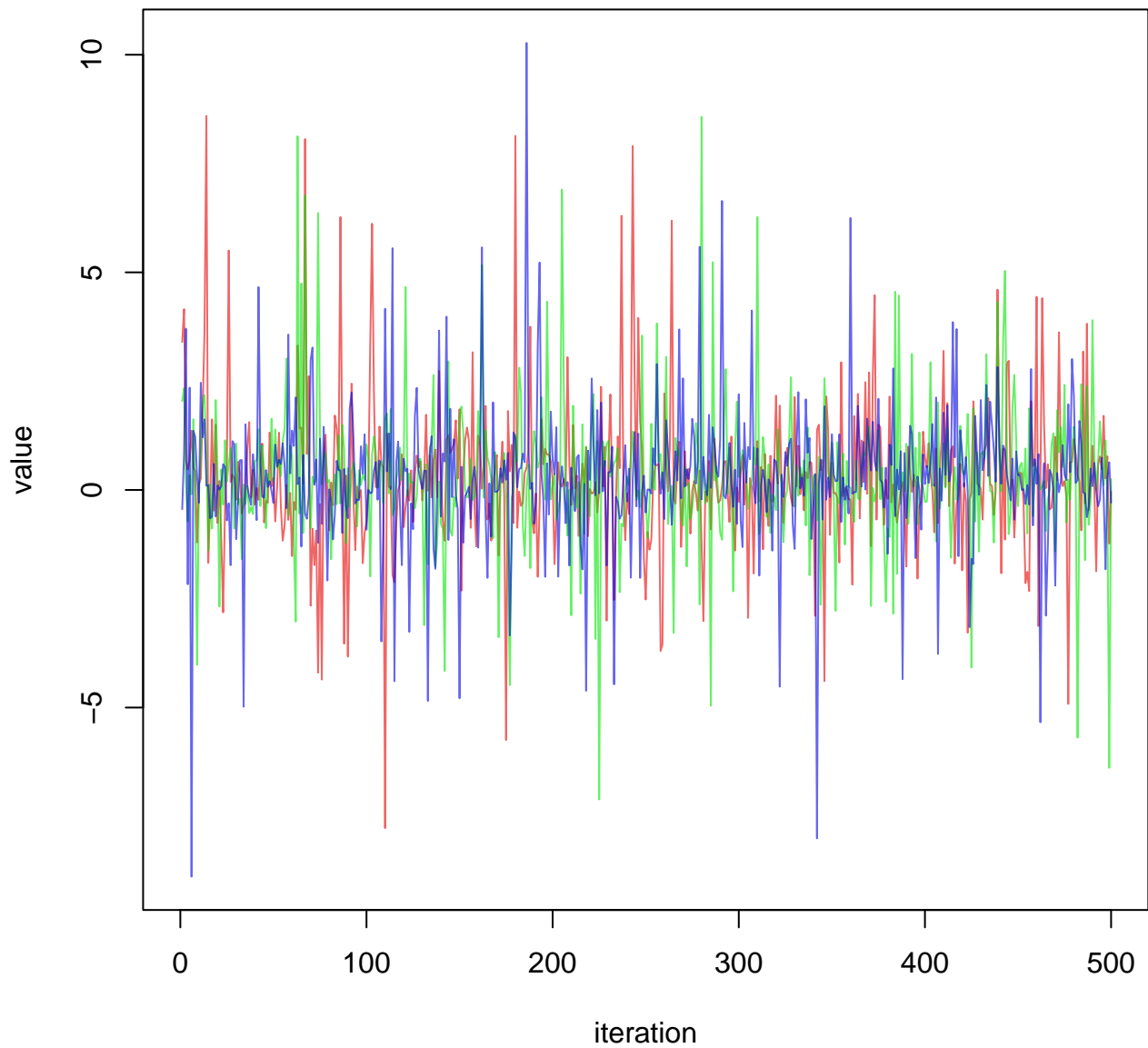
**sig**



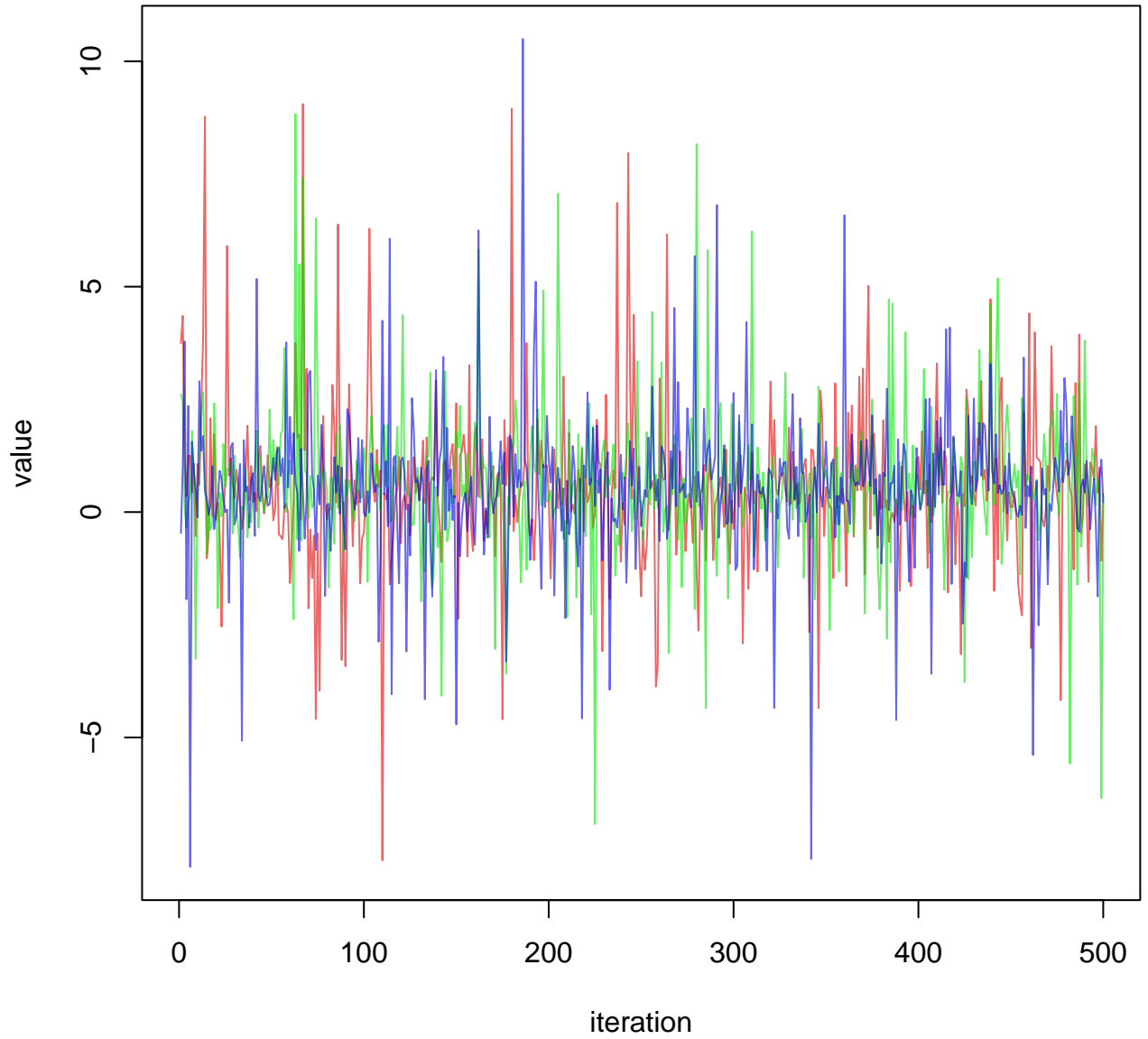
a[1]



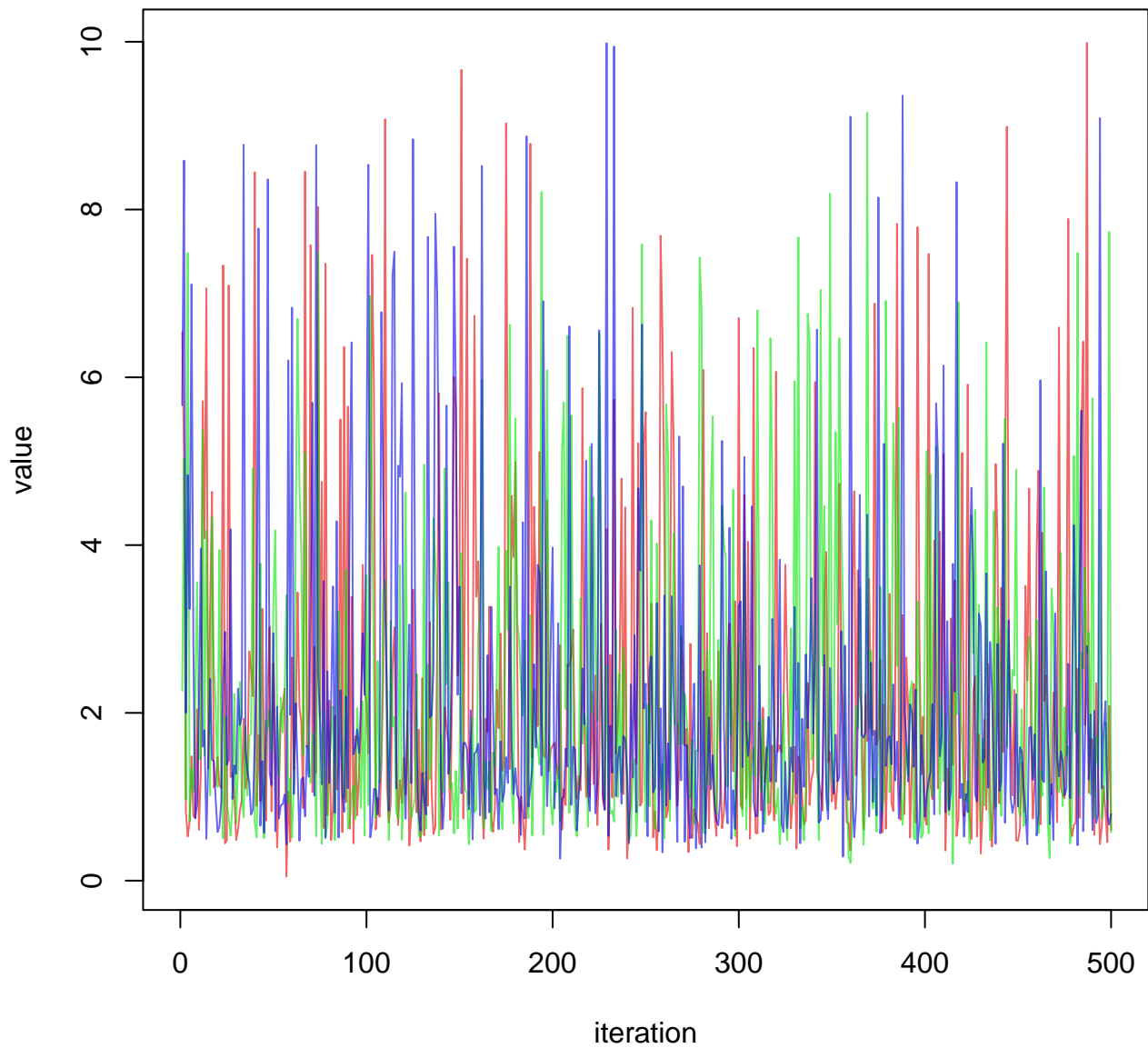
a[2]



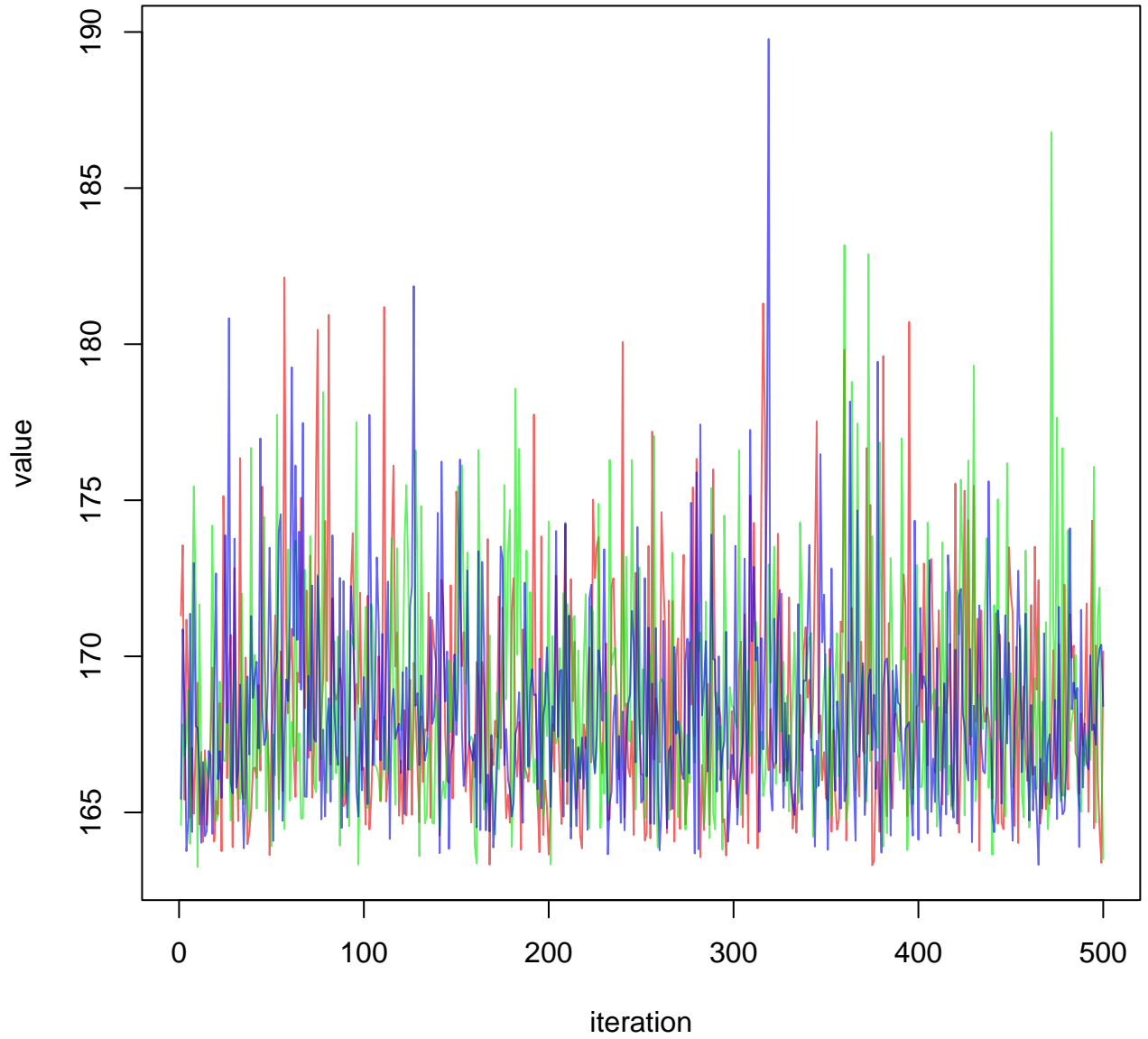
**a[3]**

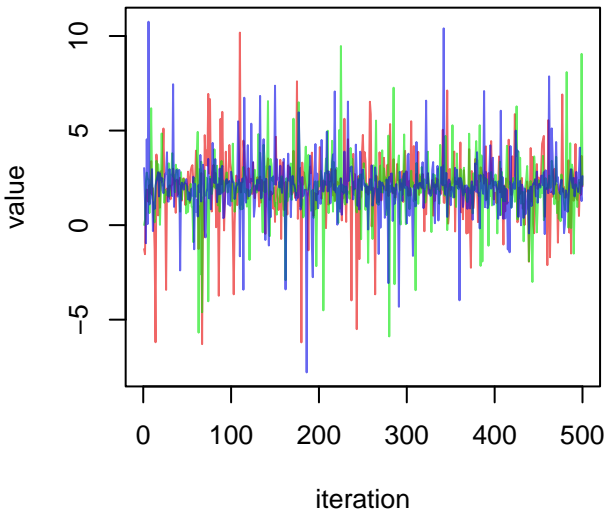
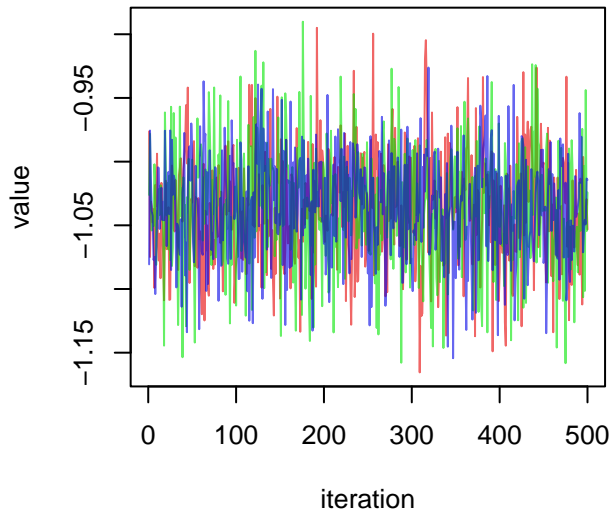
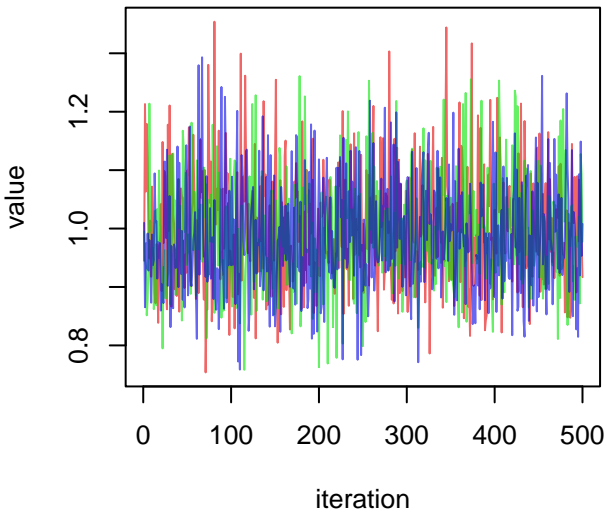
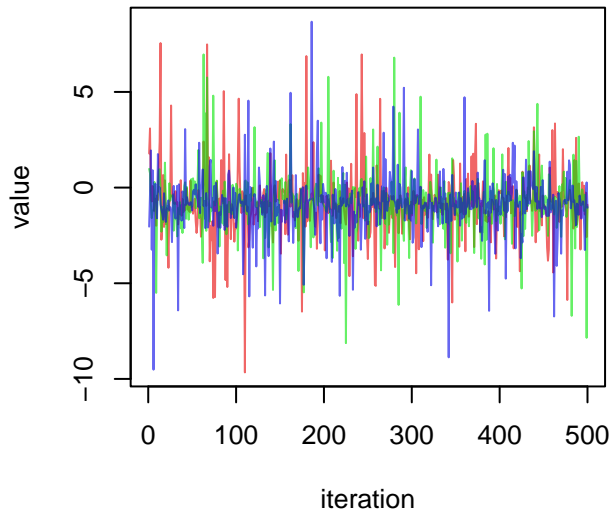


sig\_a

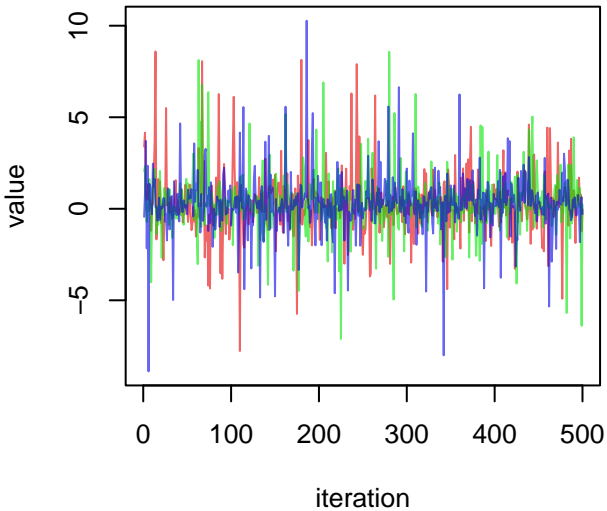
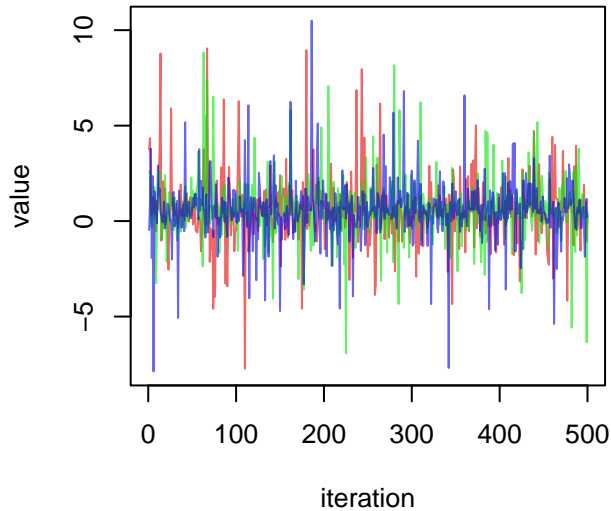
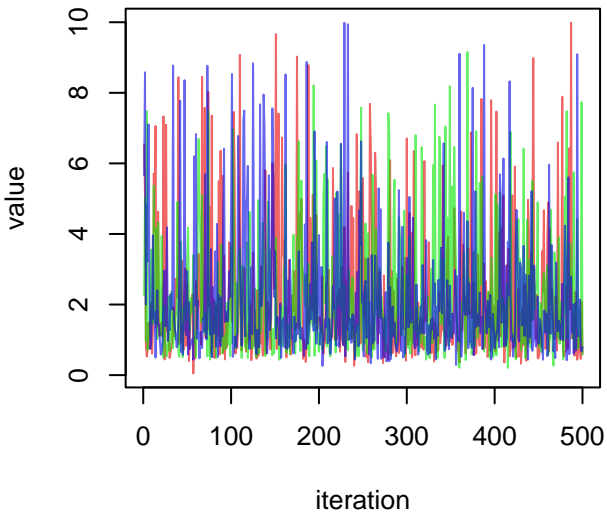
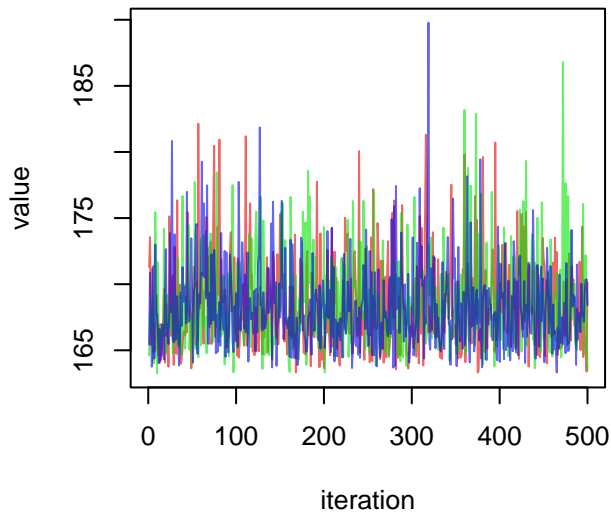


# deviance

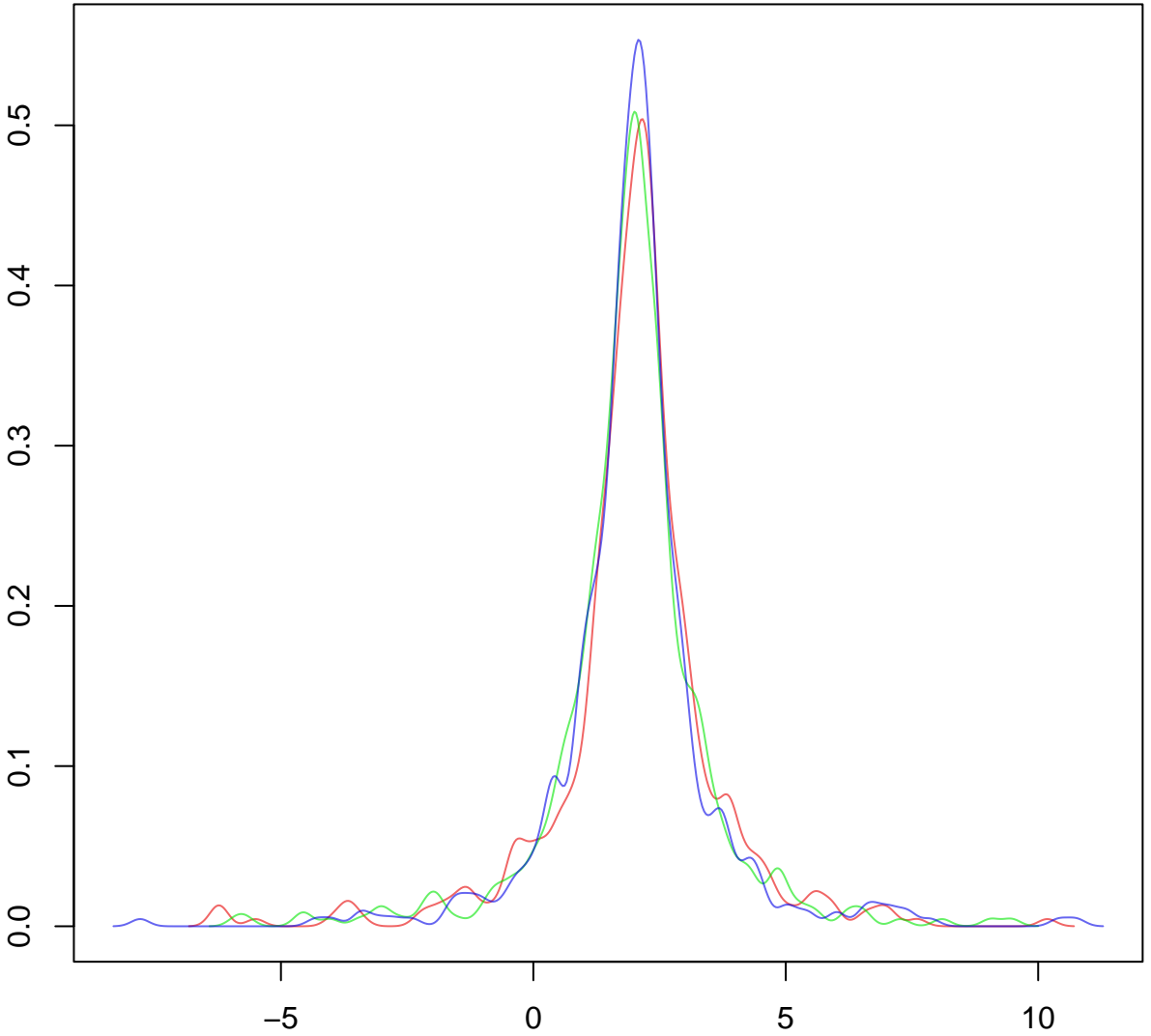


**b0****b1****sig****a[1]**

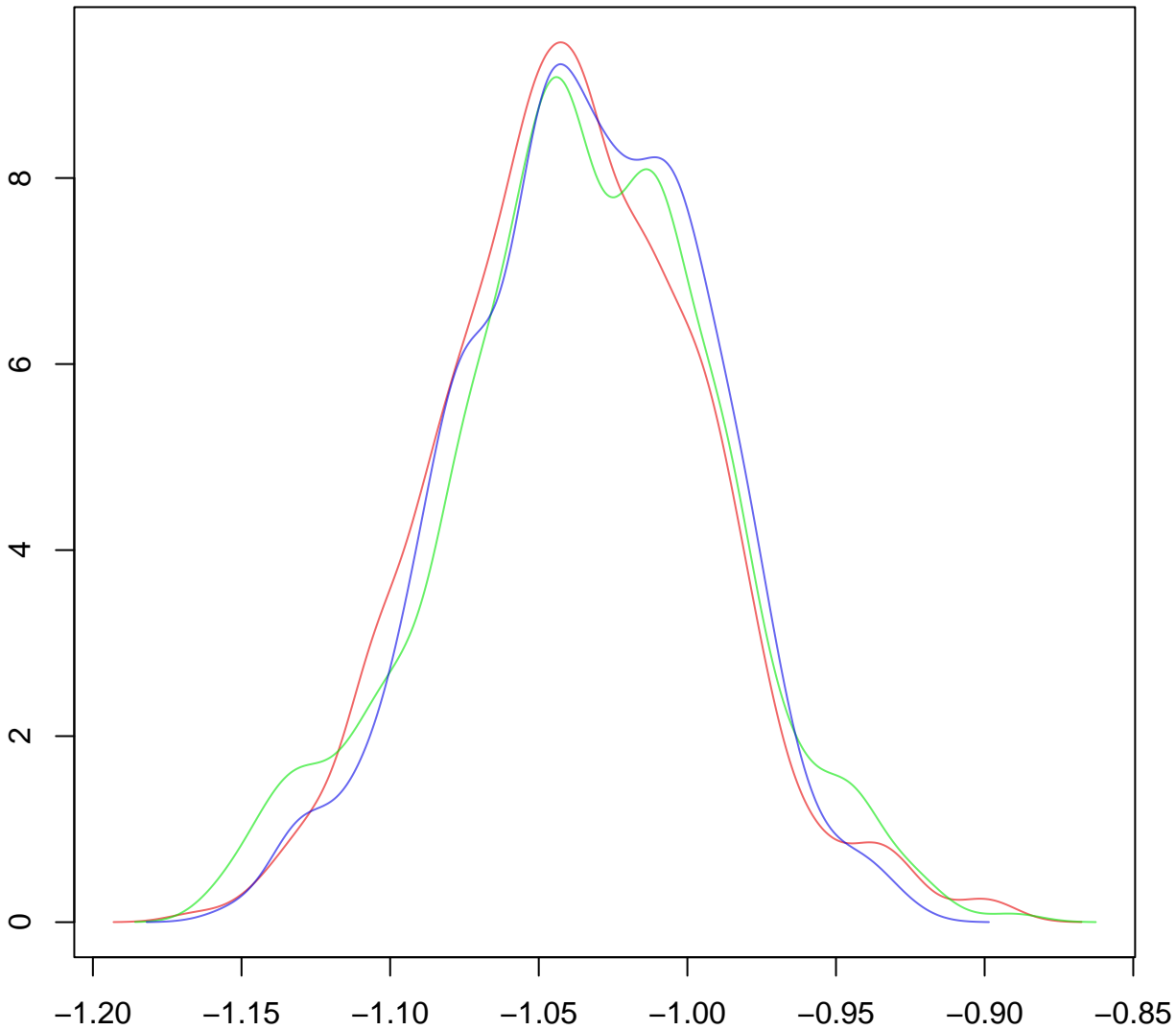


**a[2]****a[3]****sig\_a****deviance**

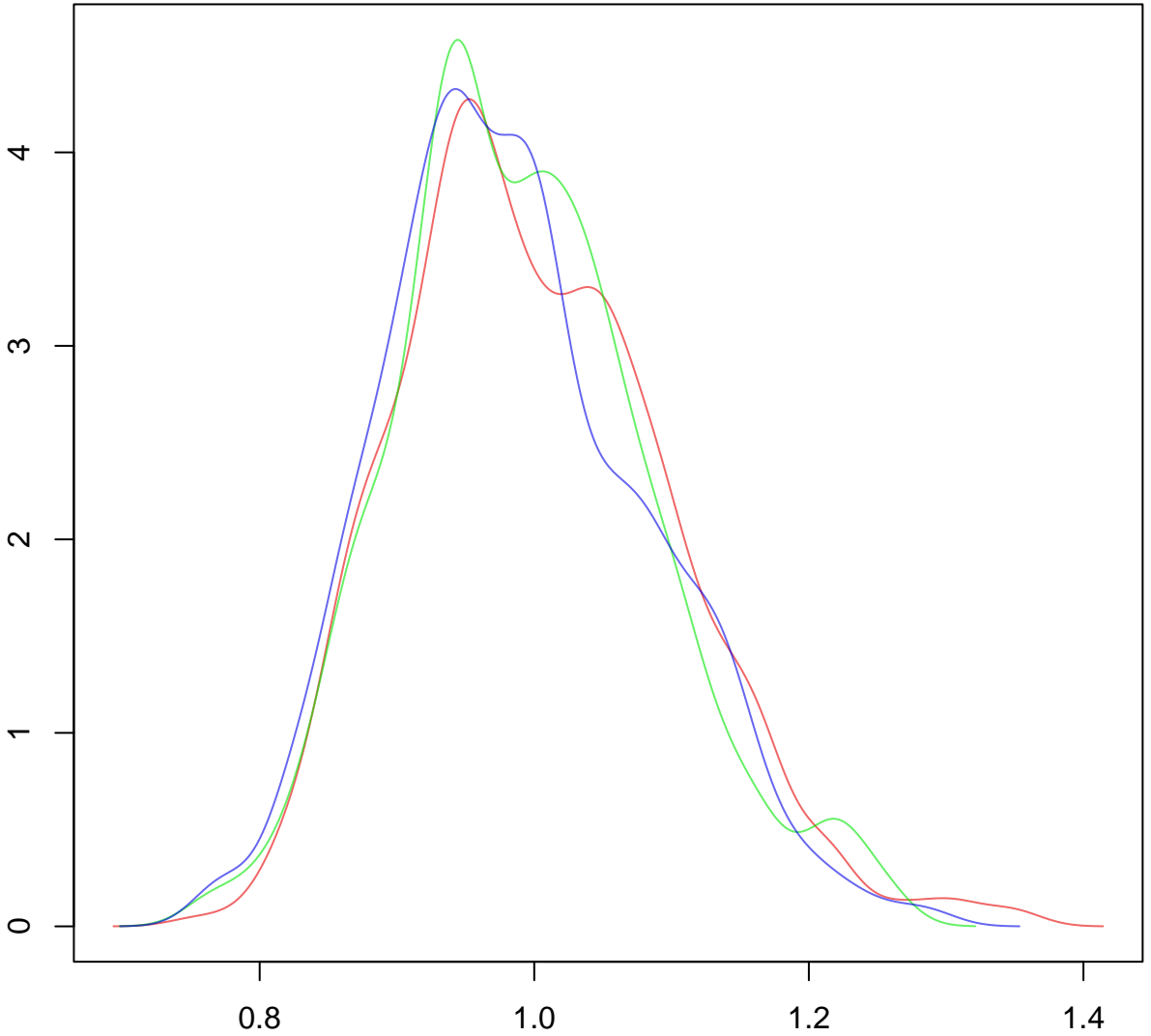
**b0**



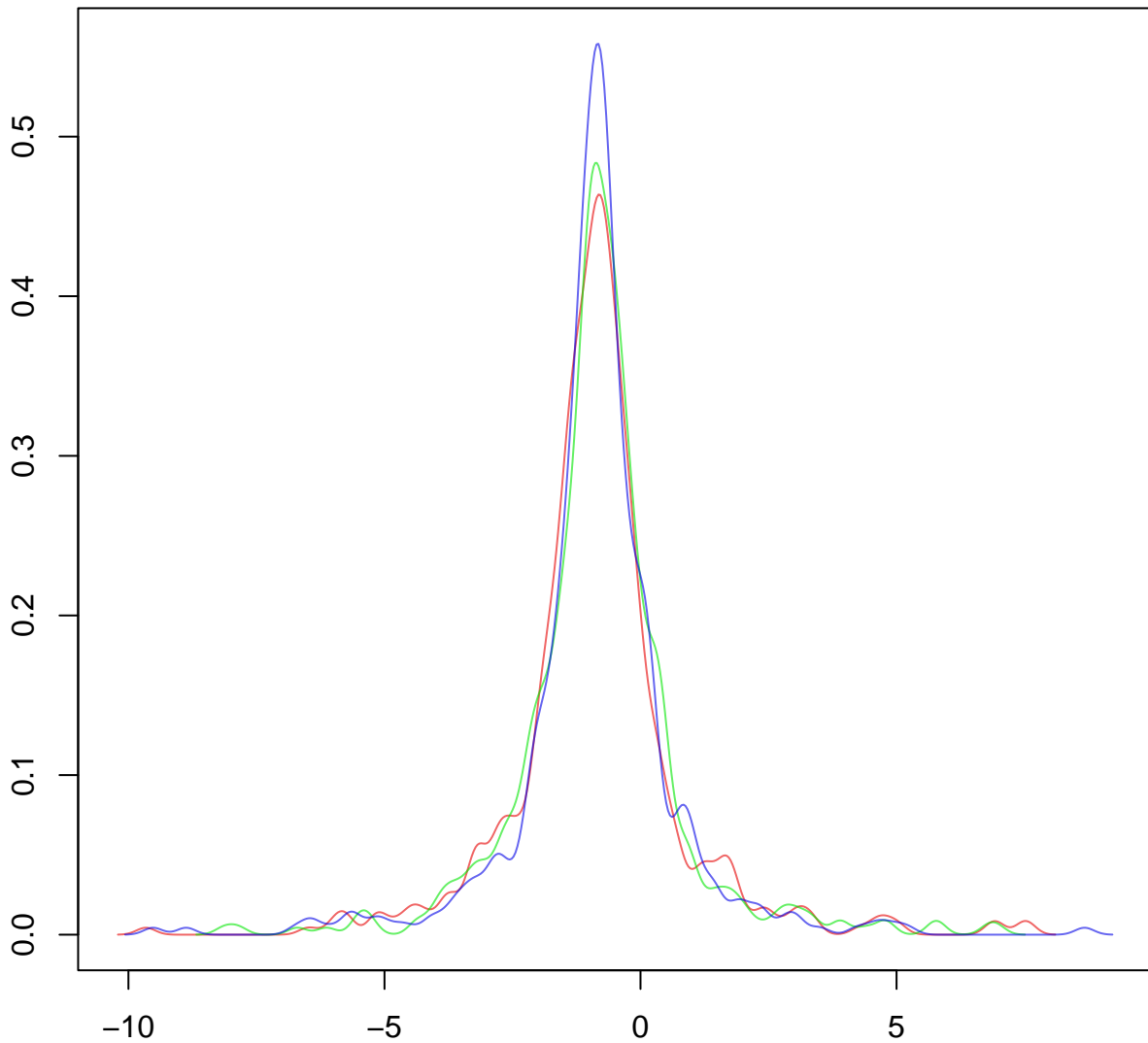
**b1**



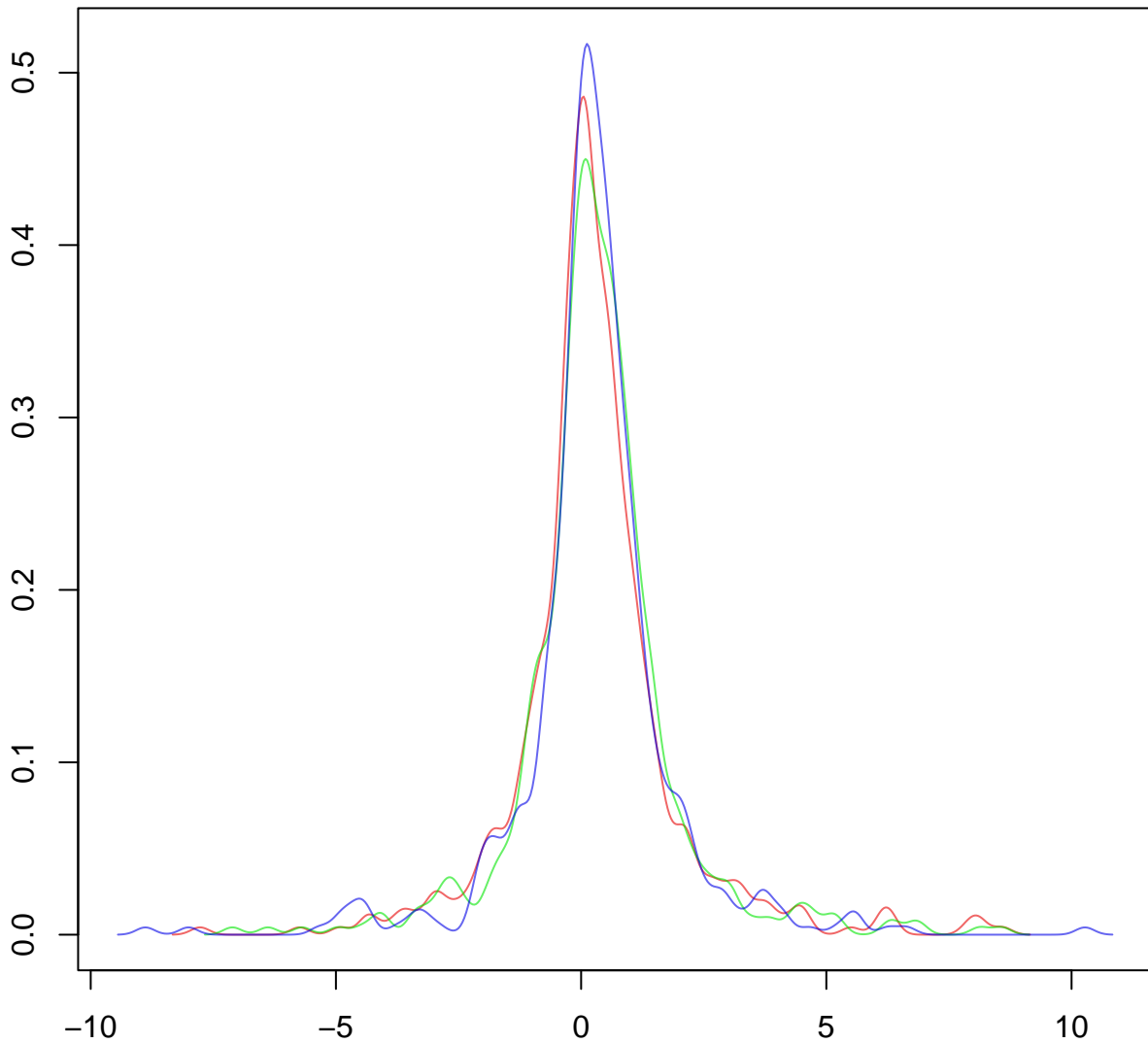
**sig**



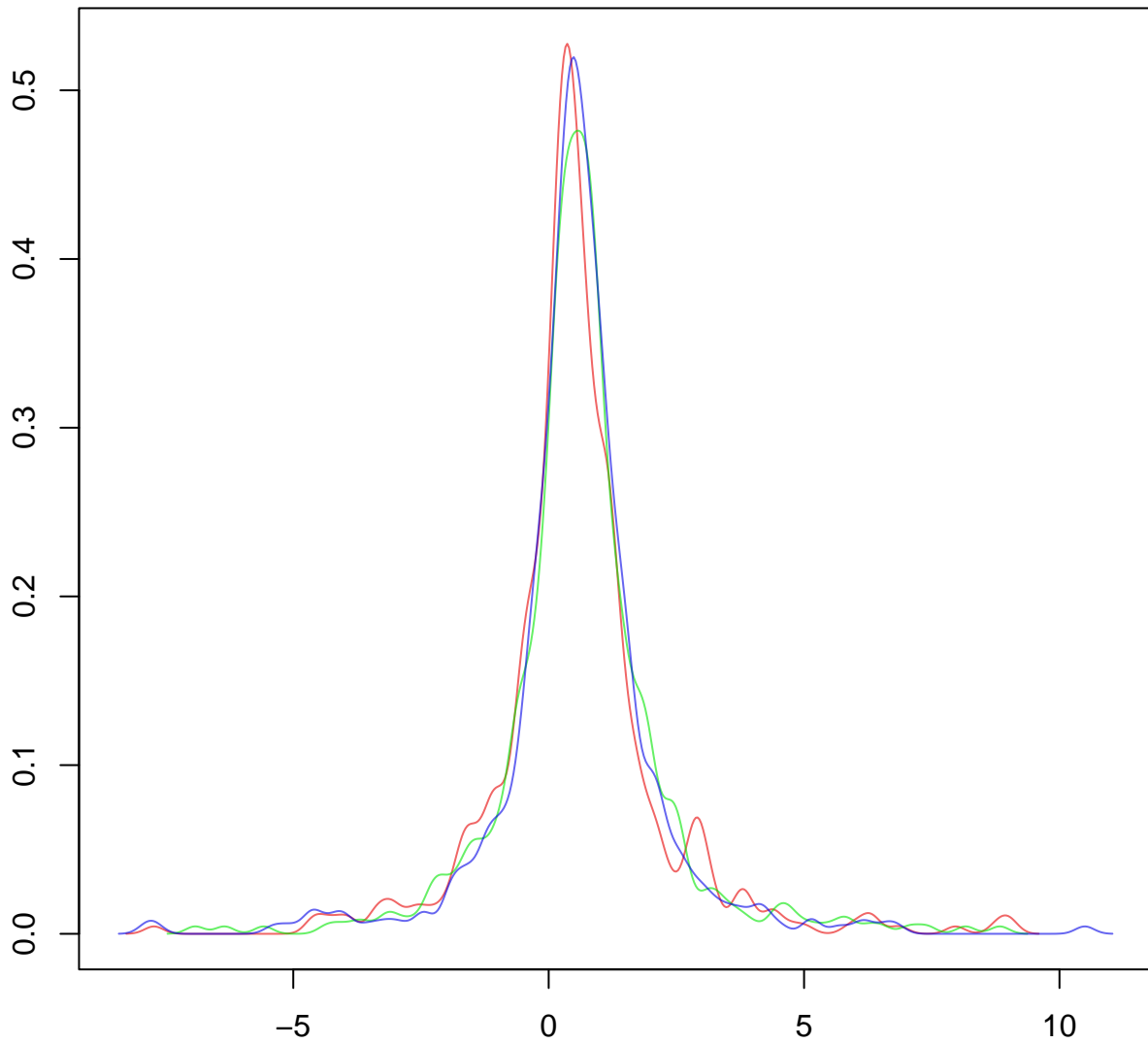
a[1]



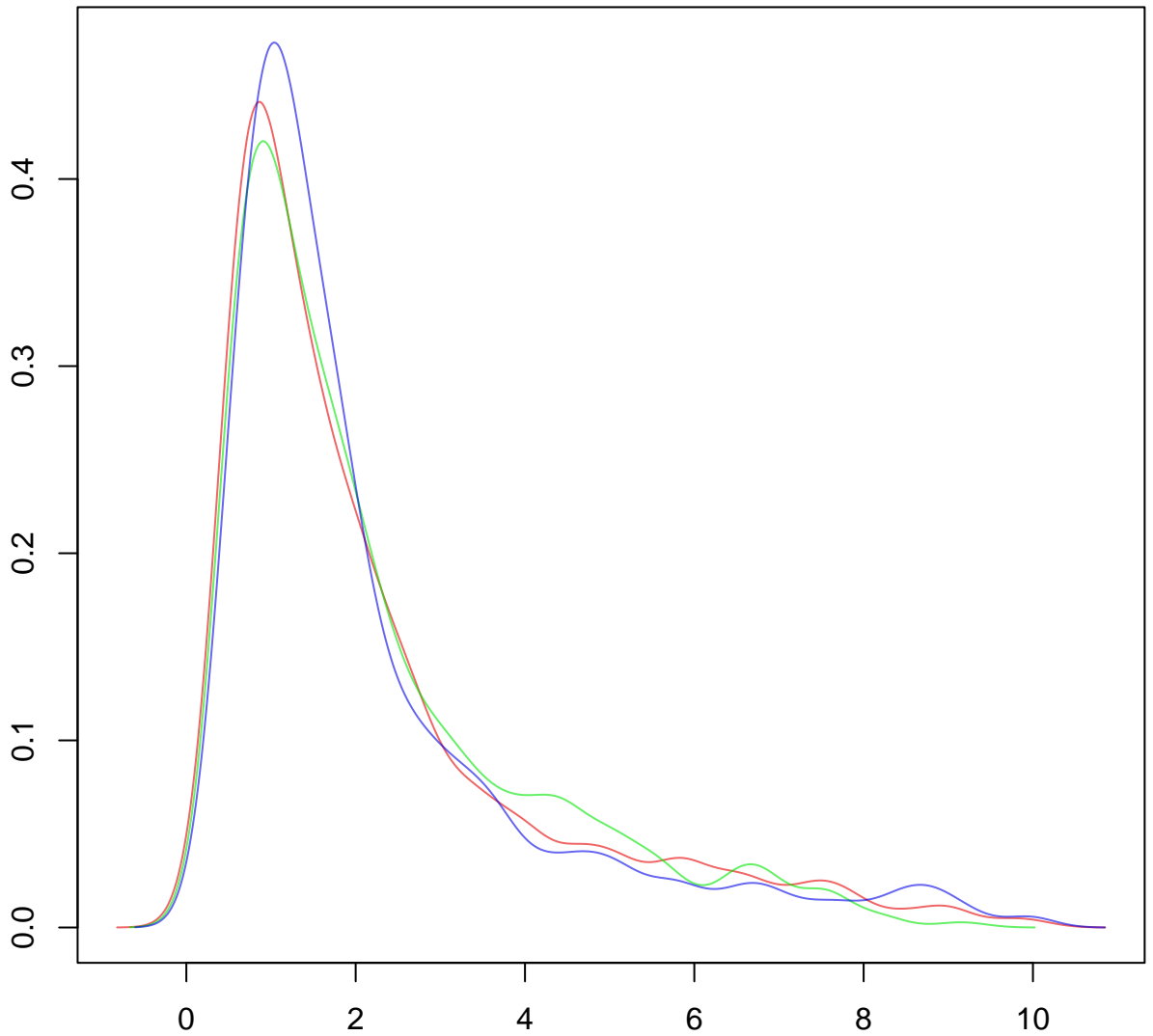
**a[2]**



**a[3]**

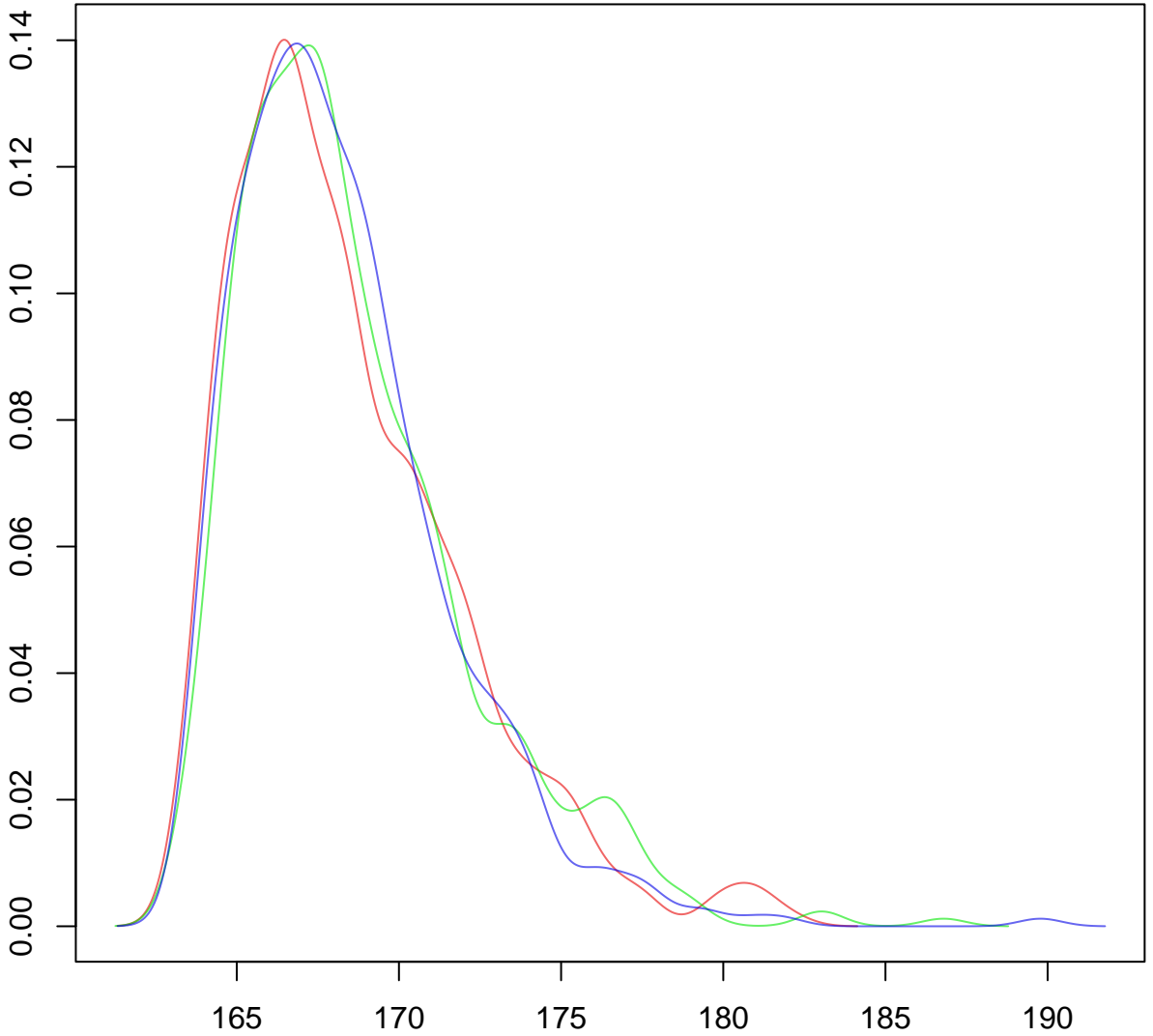


sig\_a

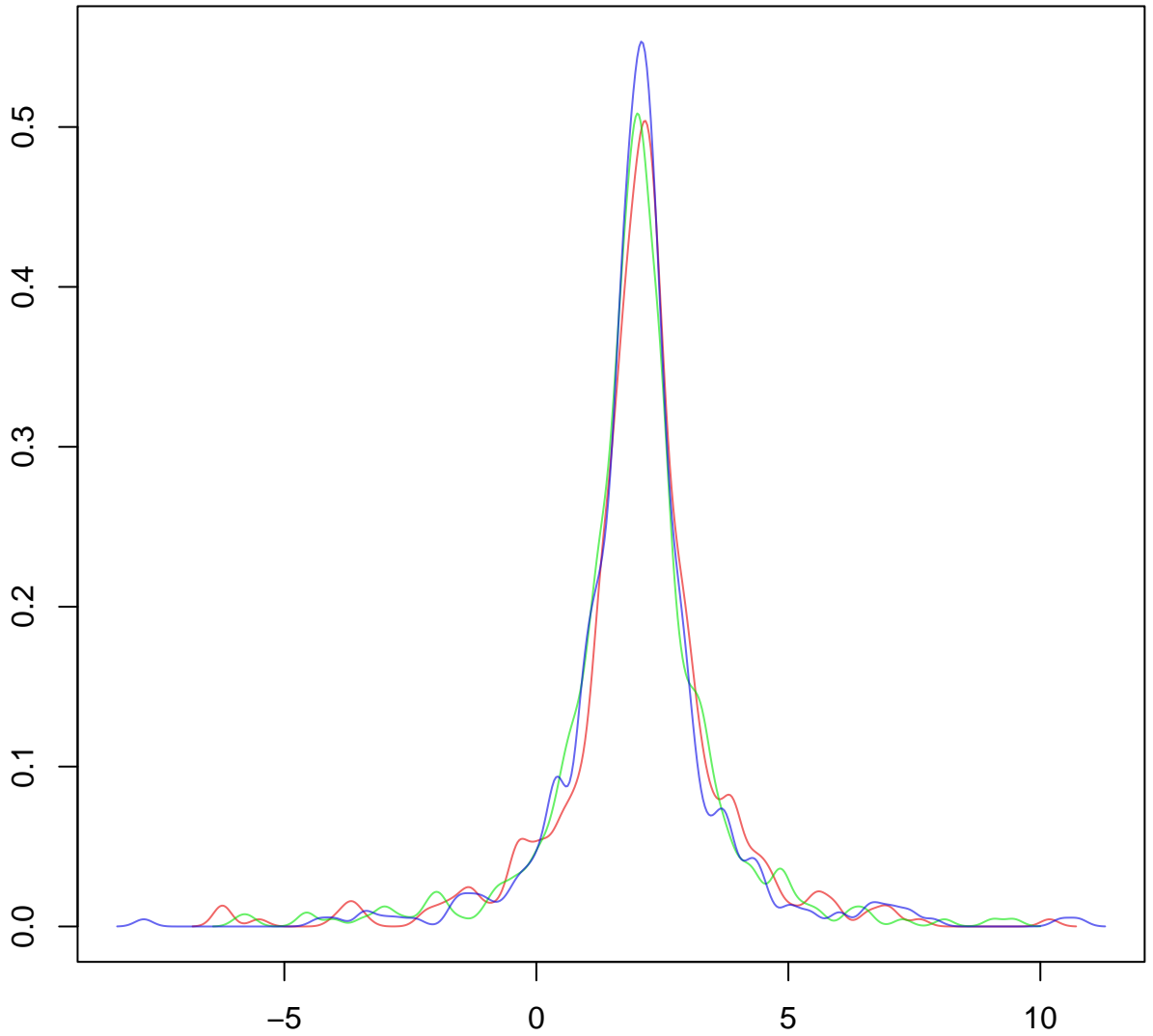




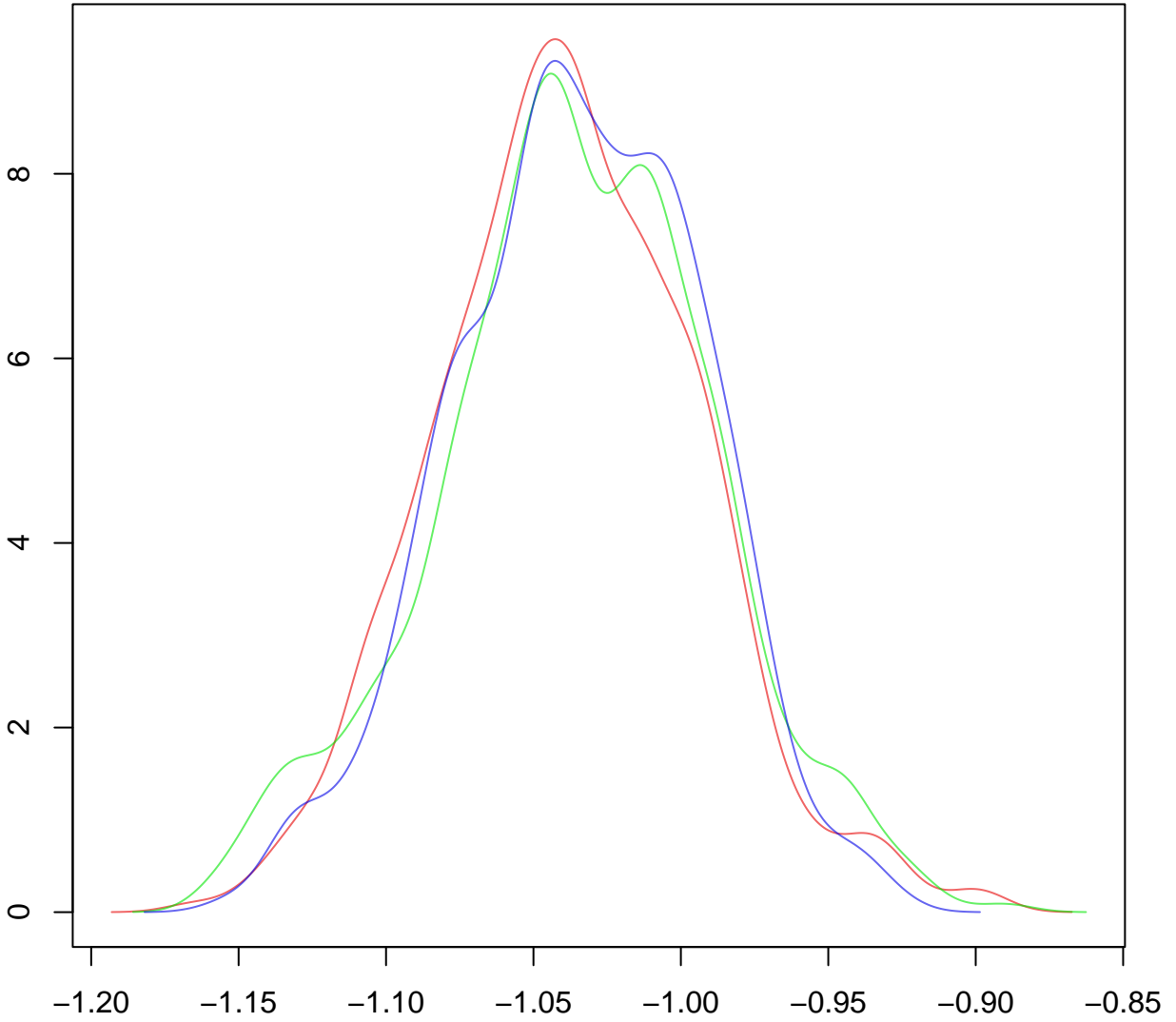
# deviance



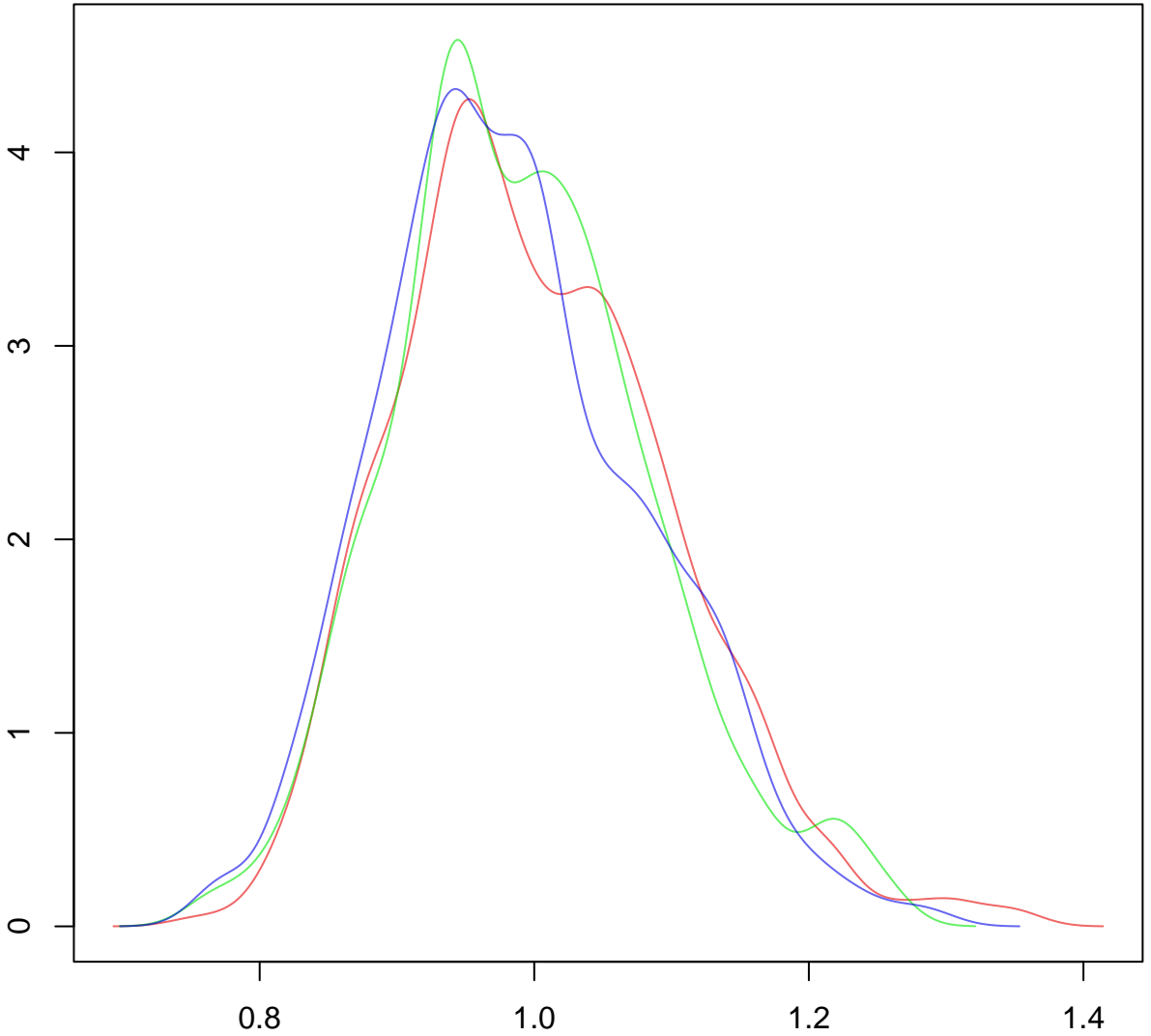
**b0**



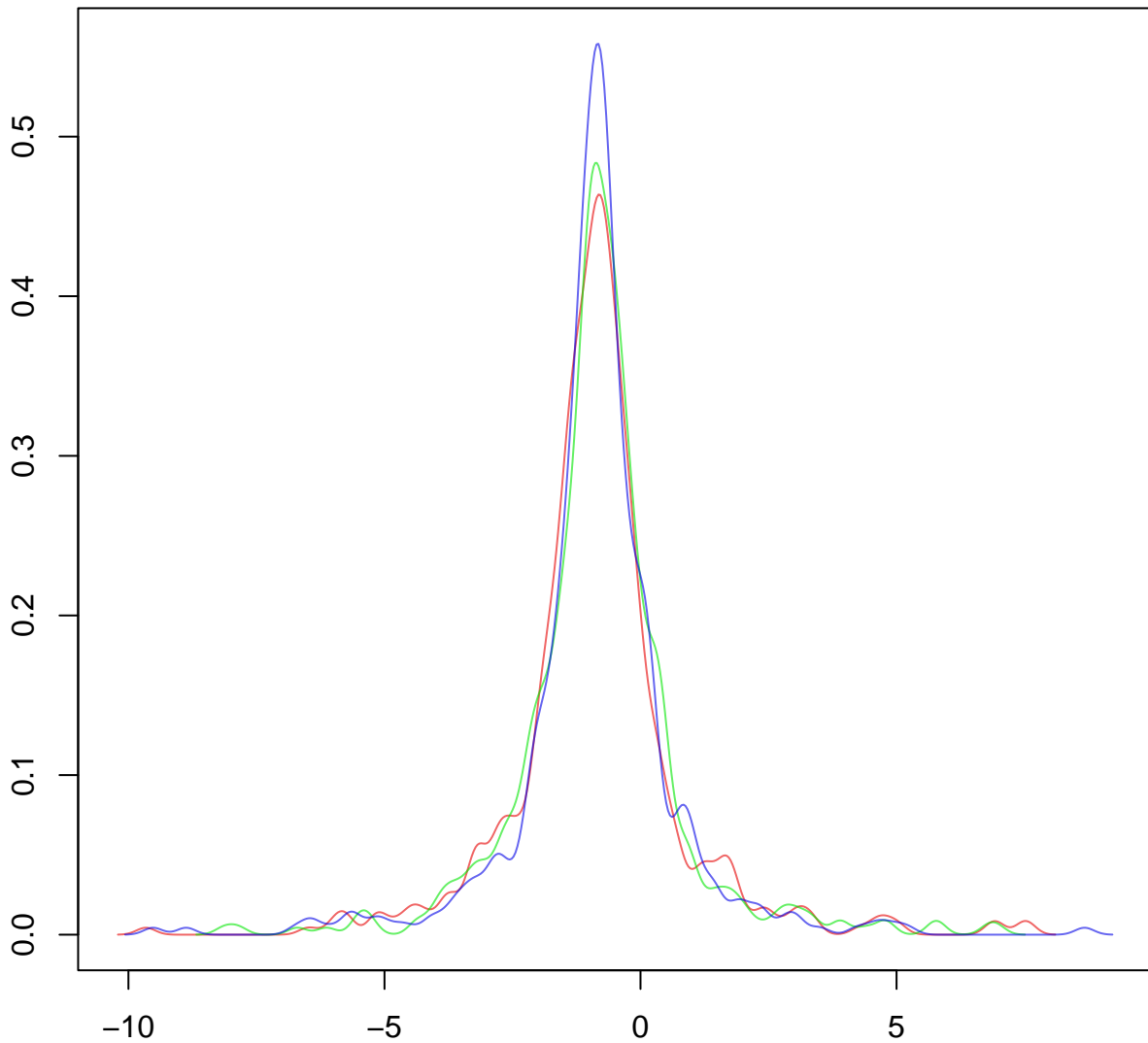
**b1**



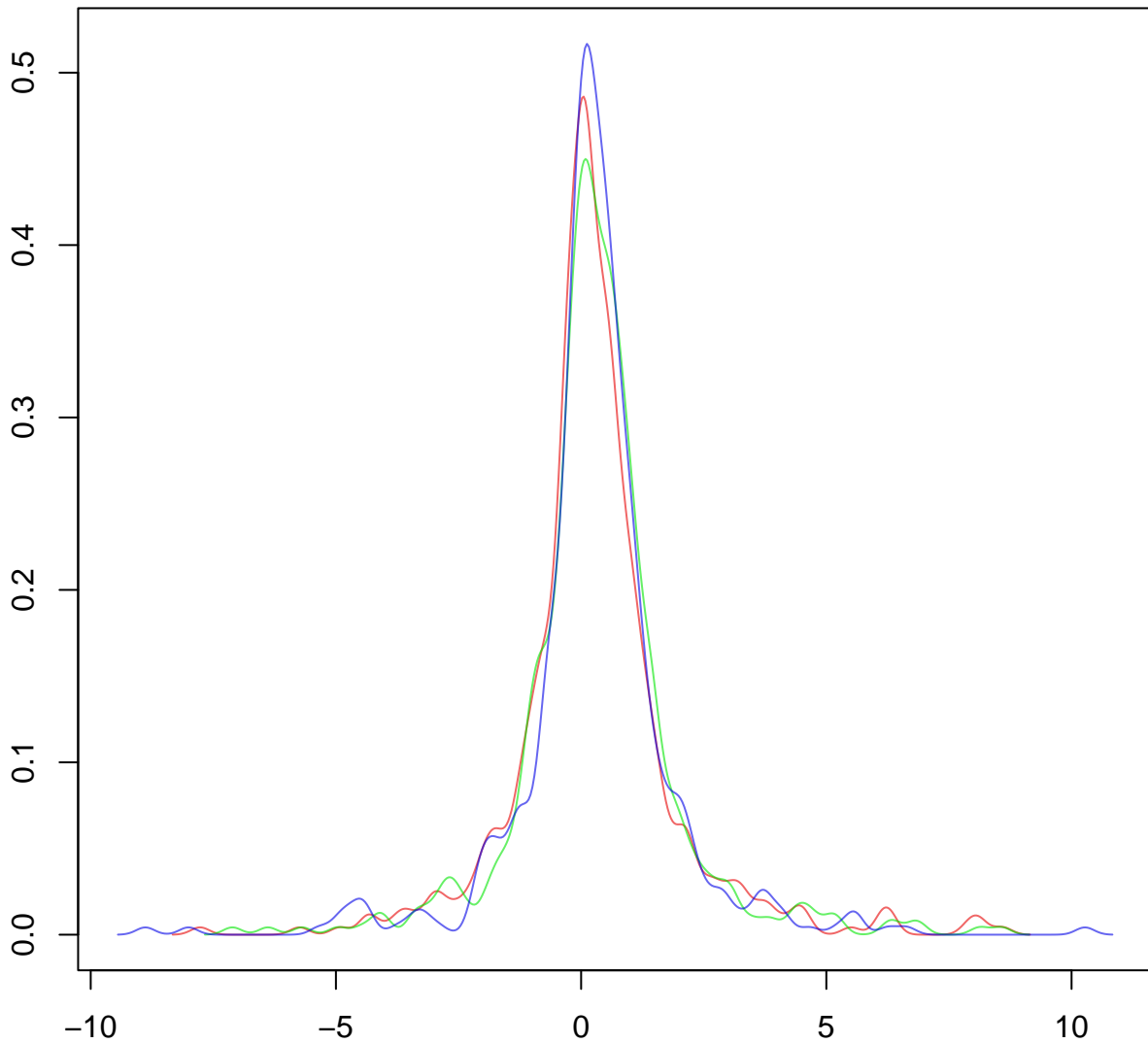
**sig**



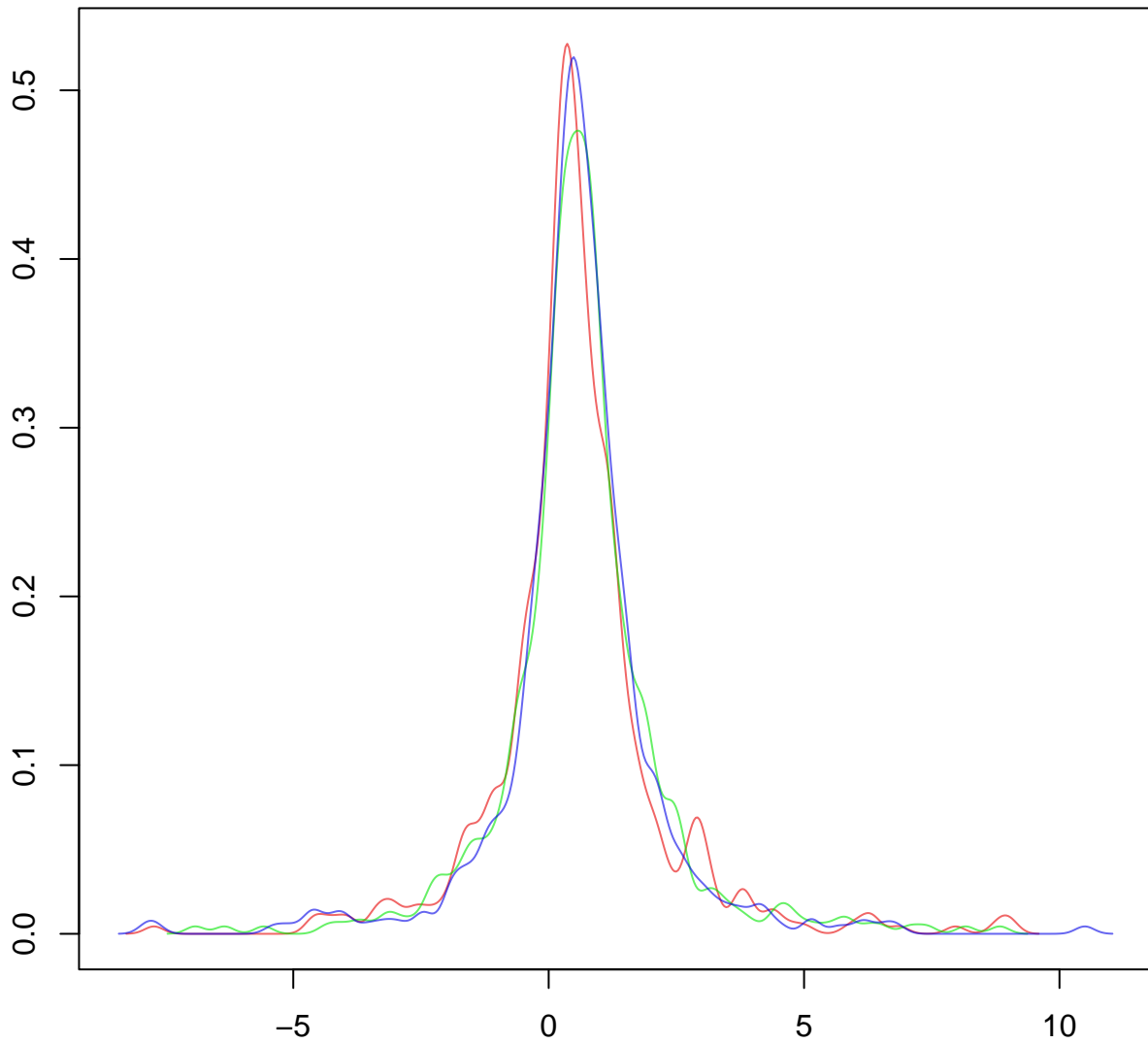
a[1]



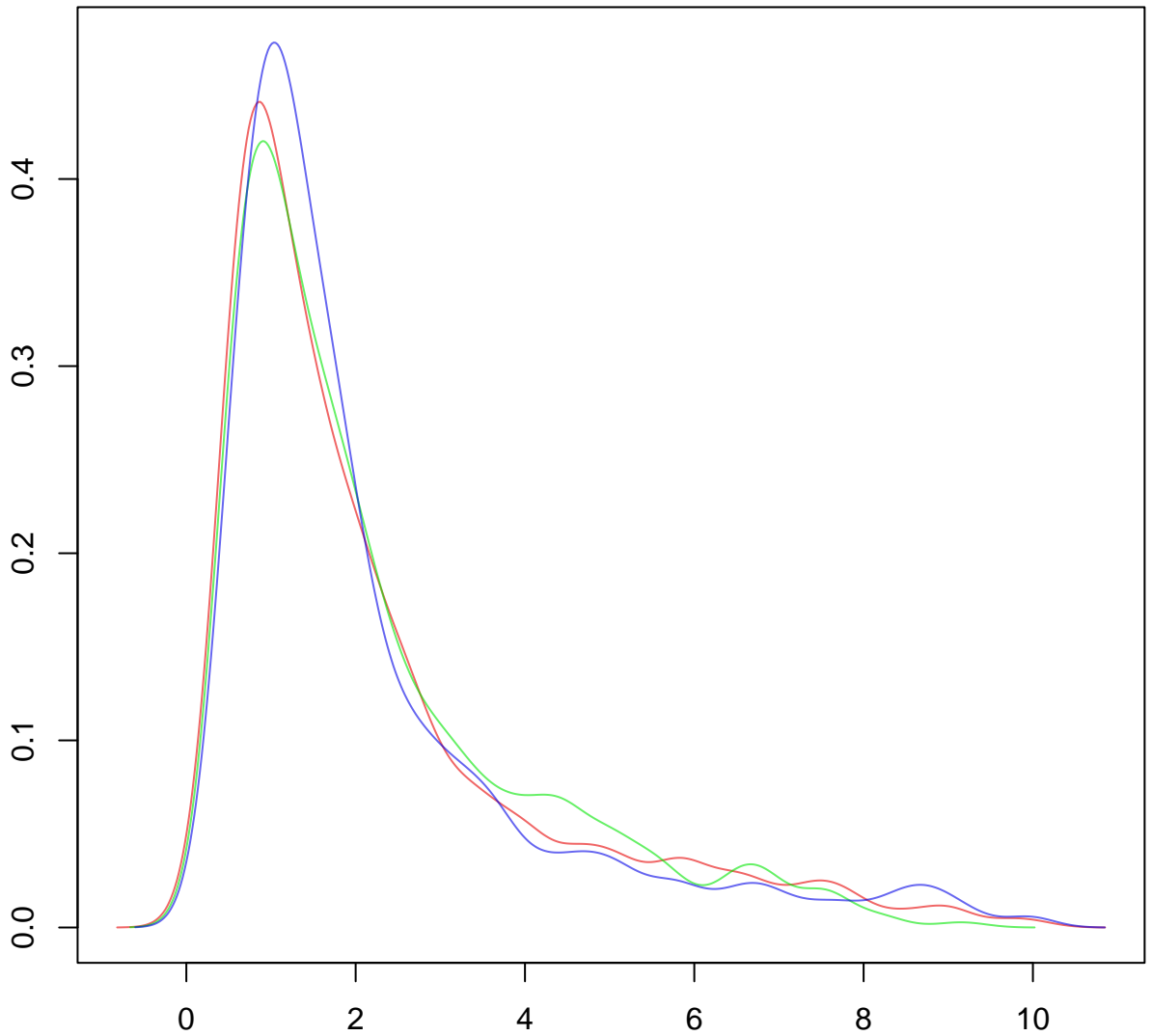
**a[2]**



**a[3]**

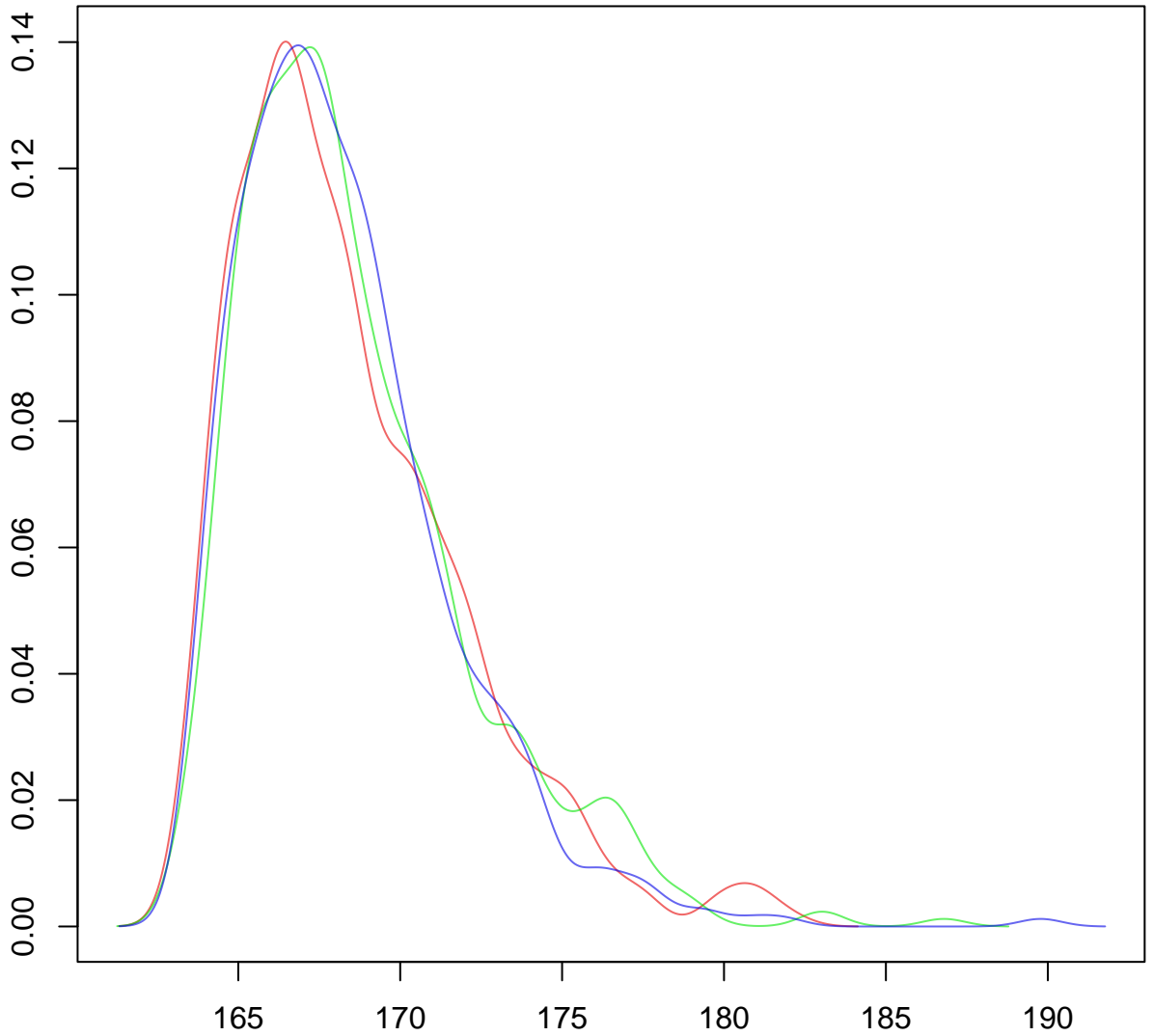


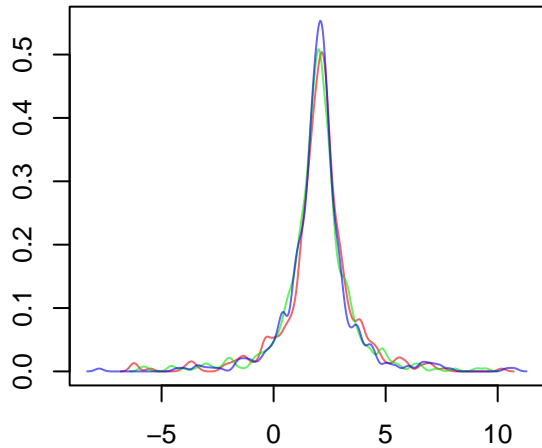
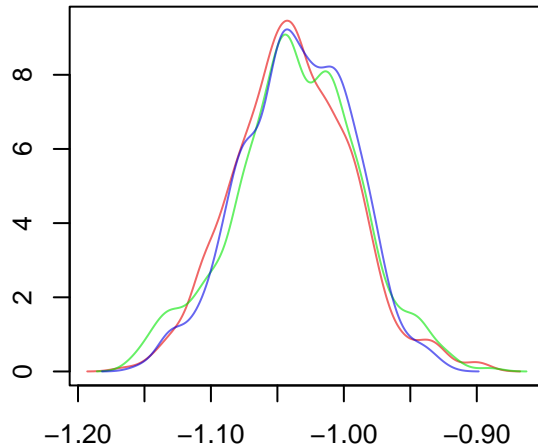
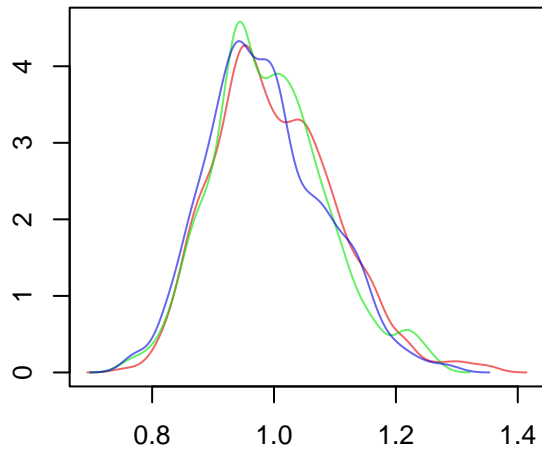
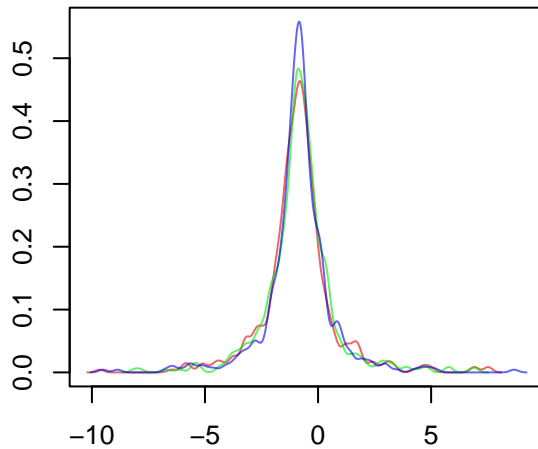
sig\_a

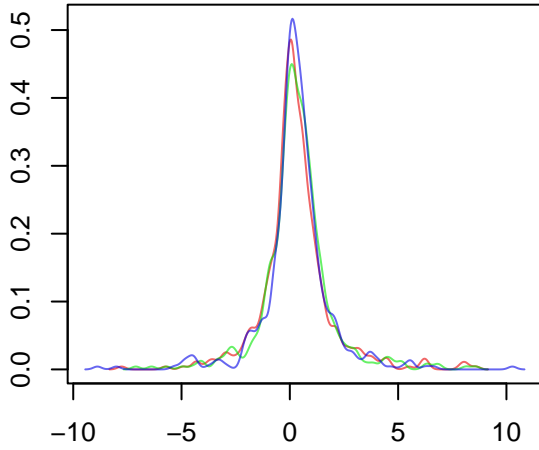
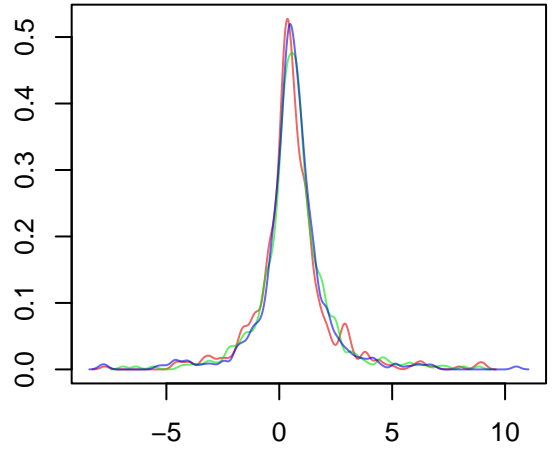
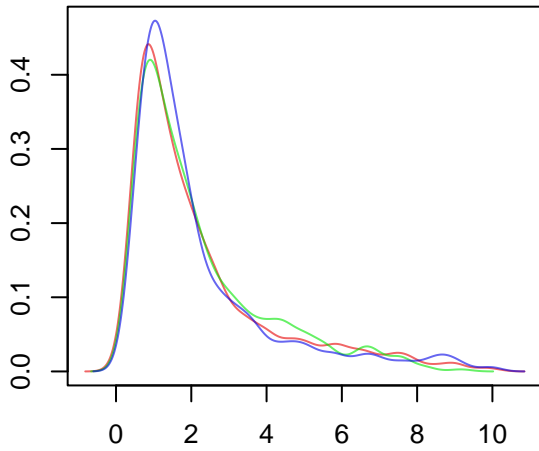
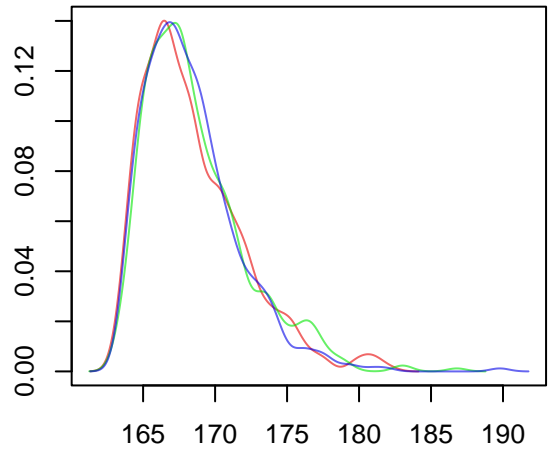


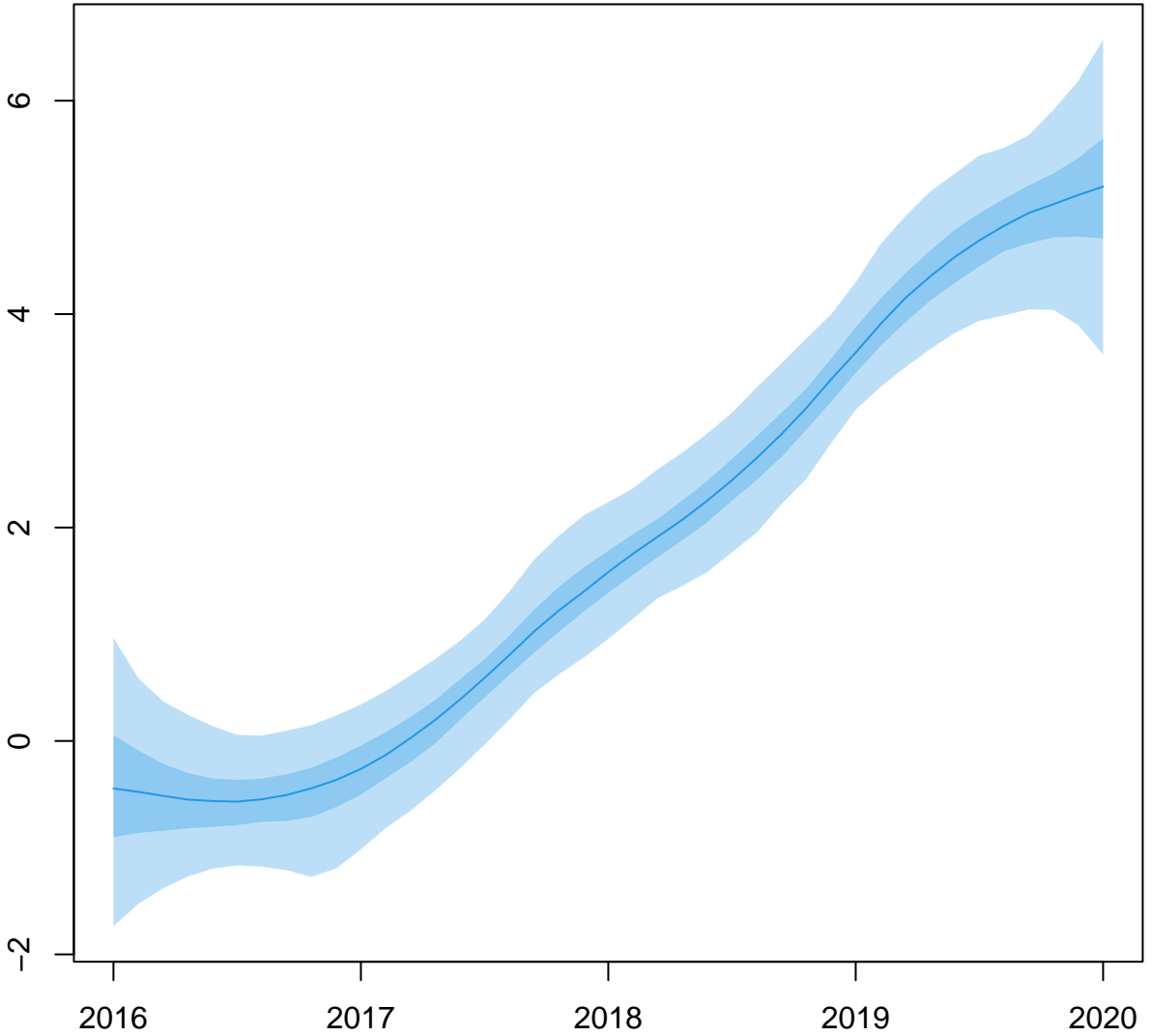


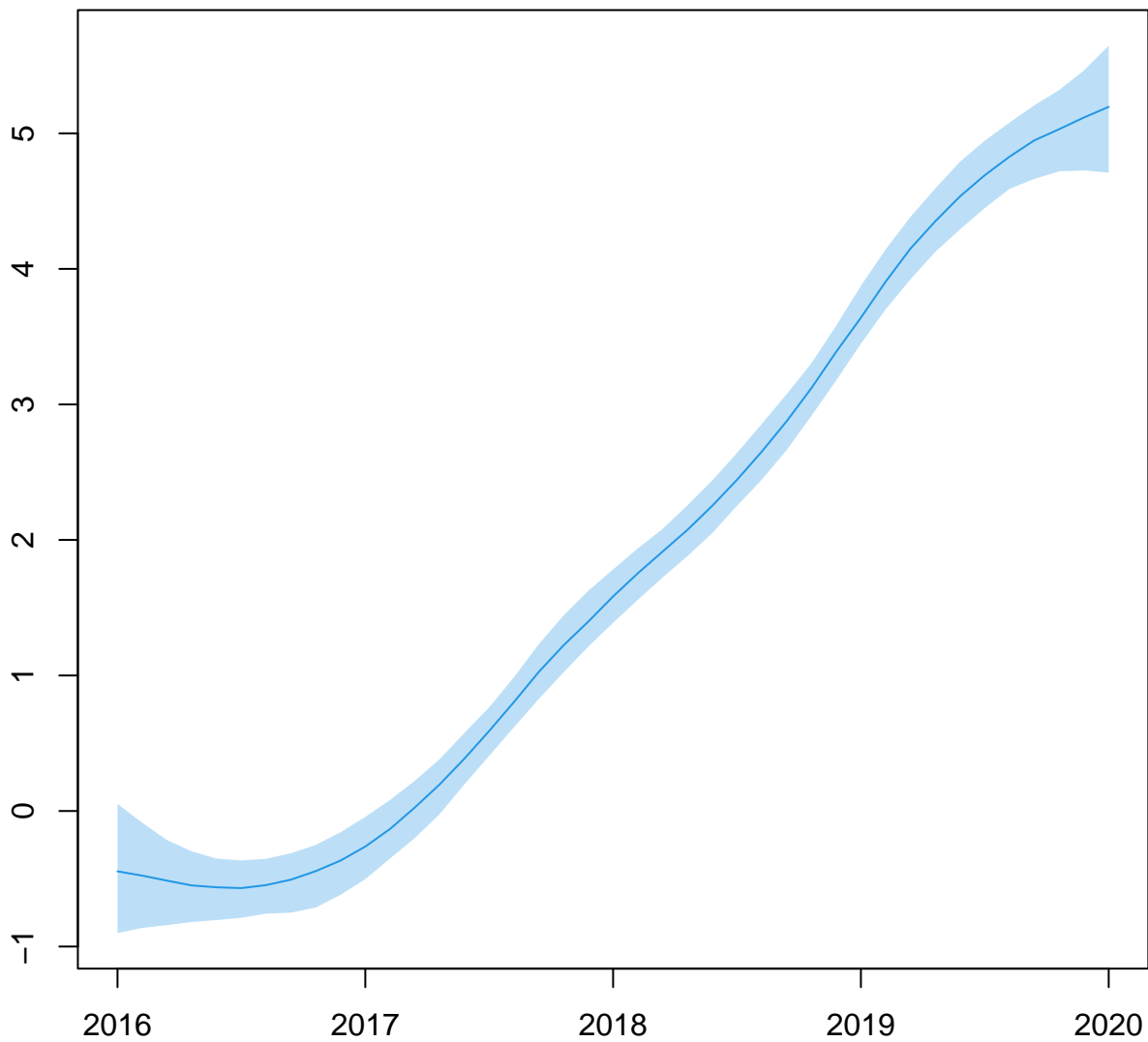
# deviance

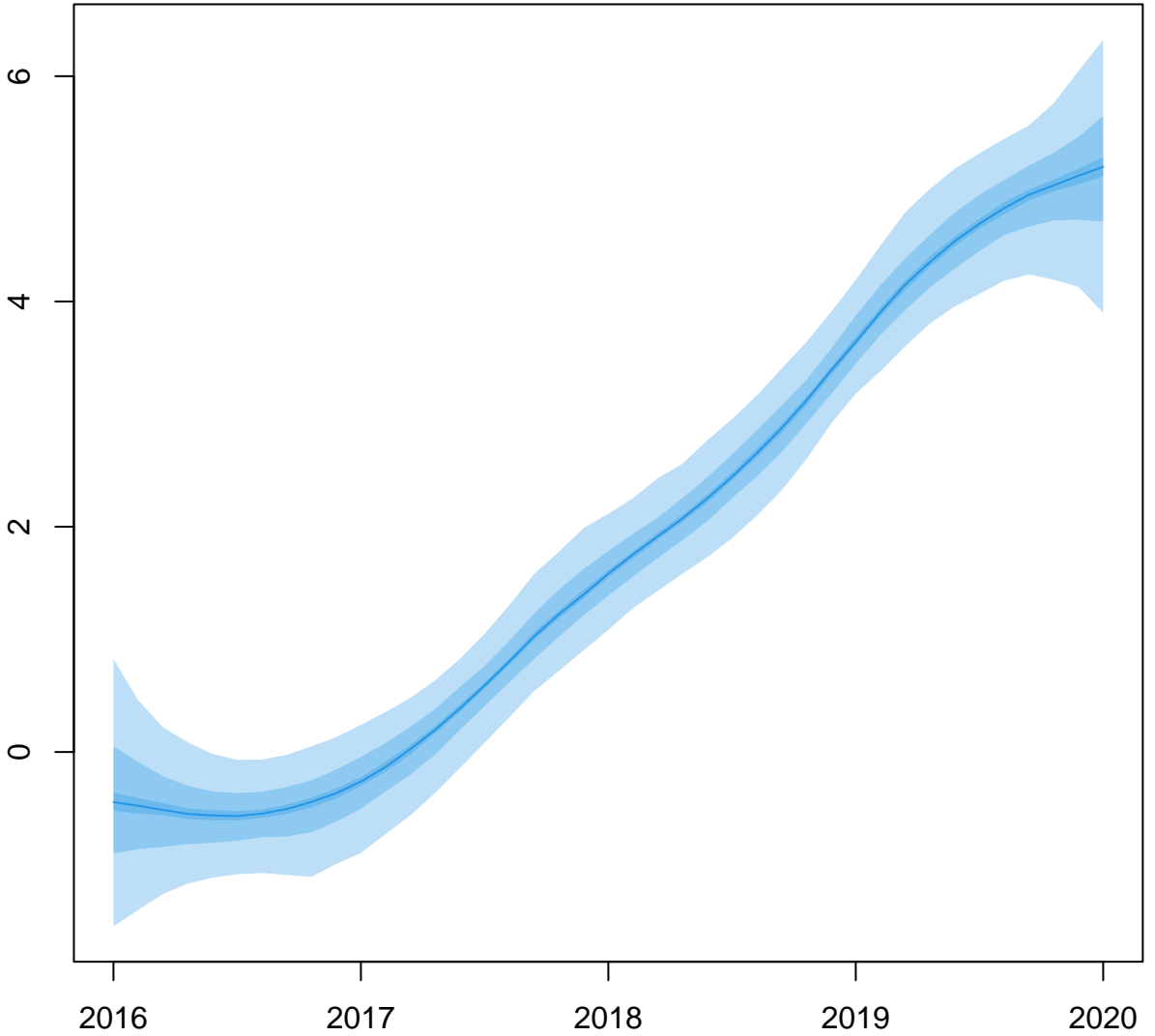


**b0****b1****sig****a[1]**

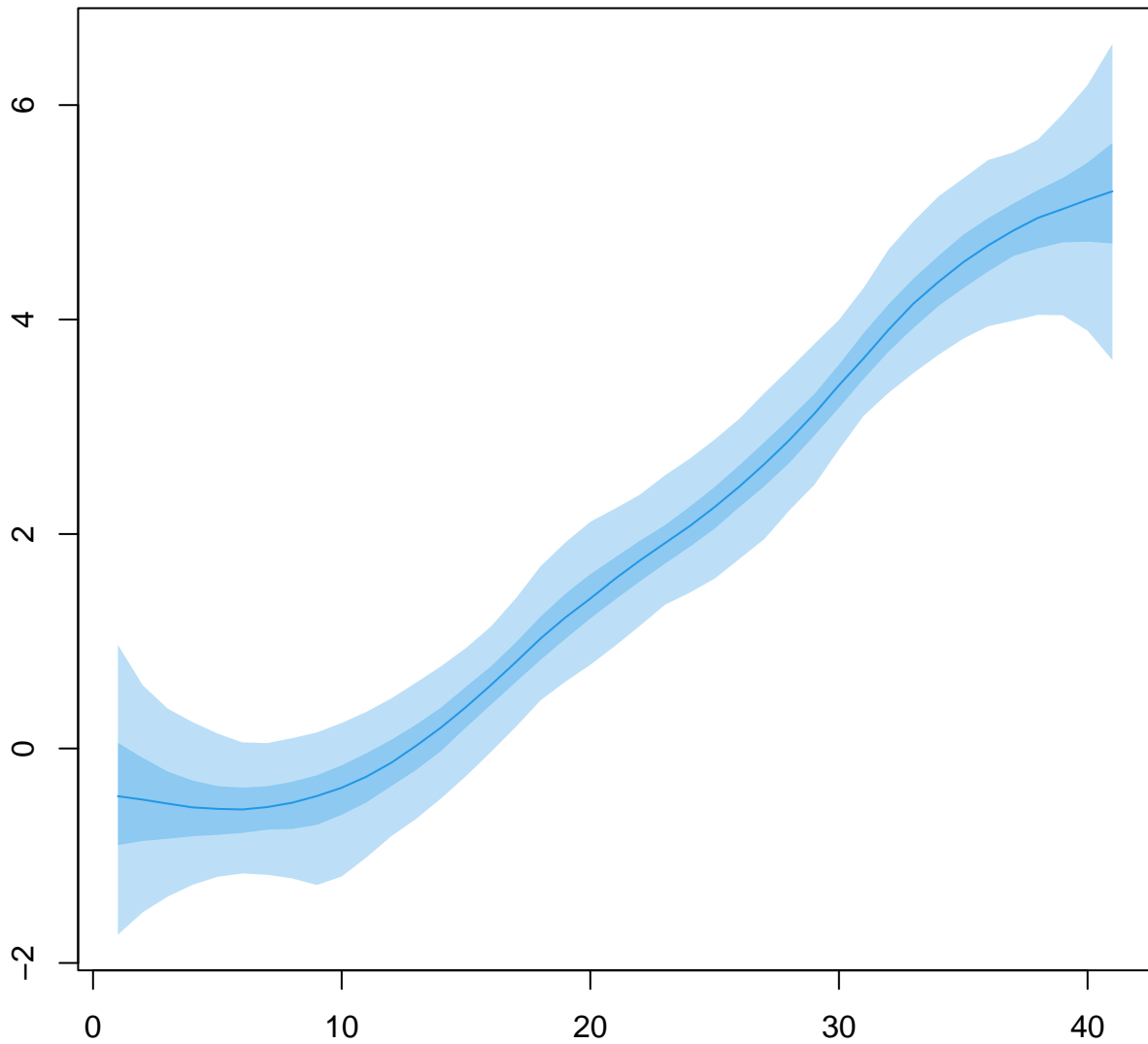
**a[2]****a[3]****sig\_a****deviance**



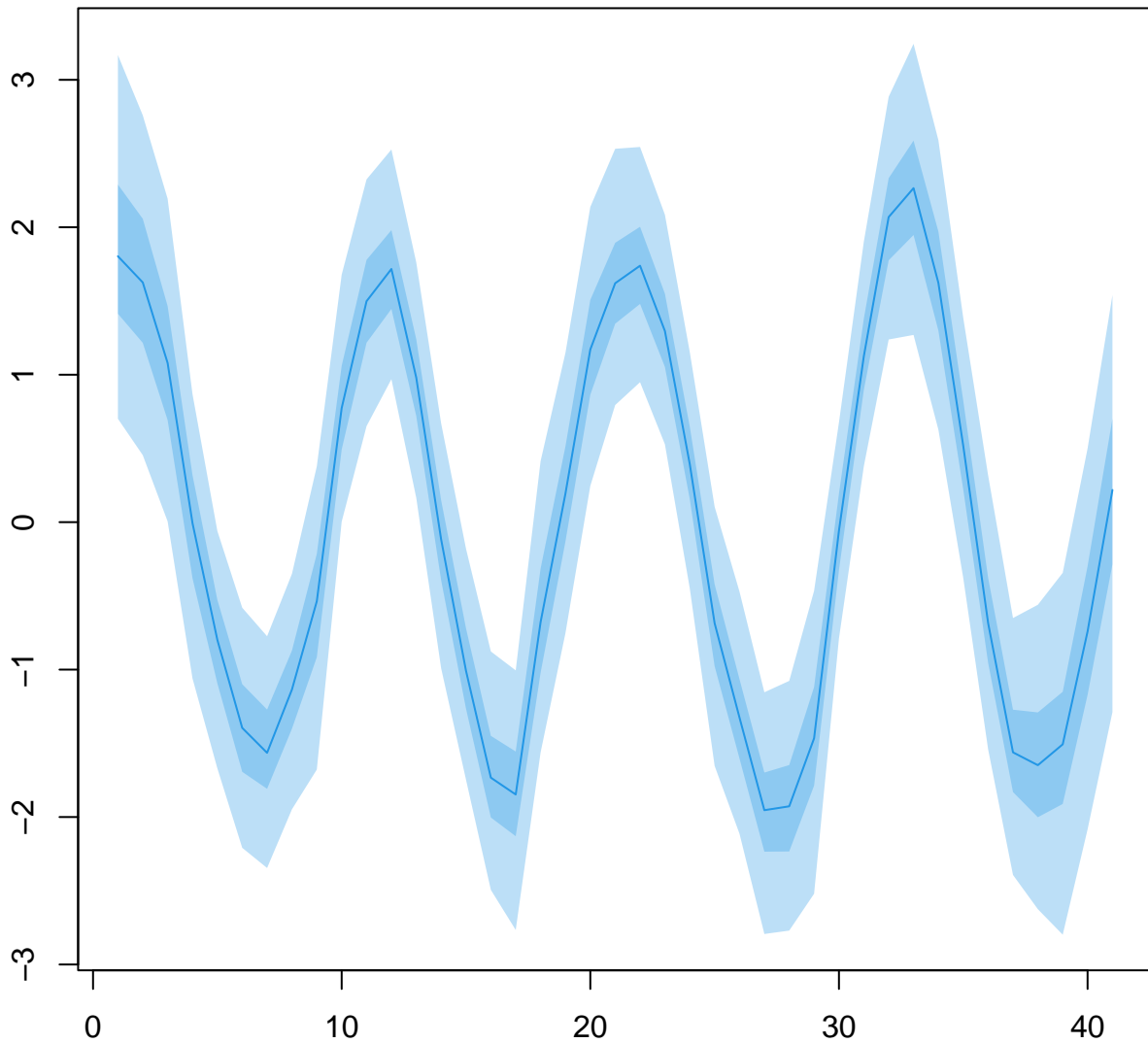




# trend

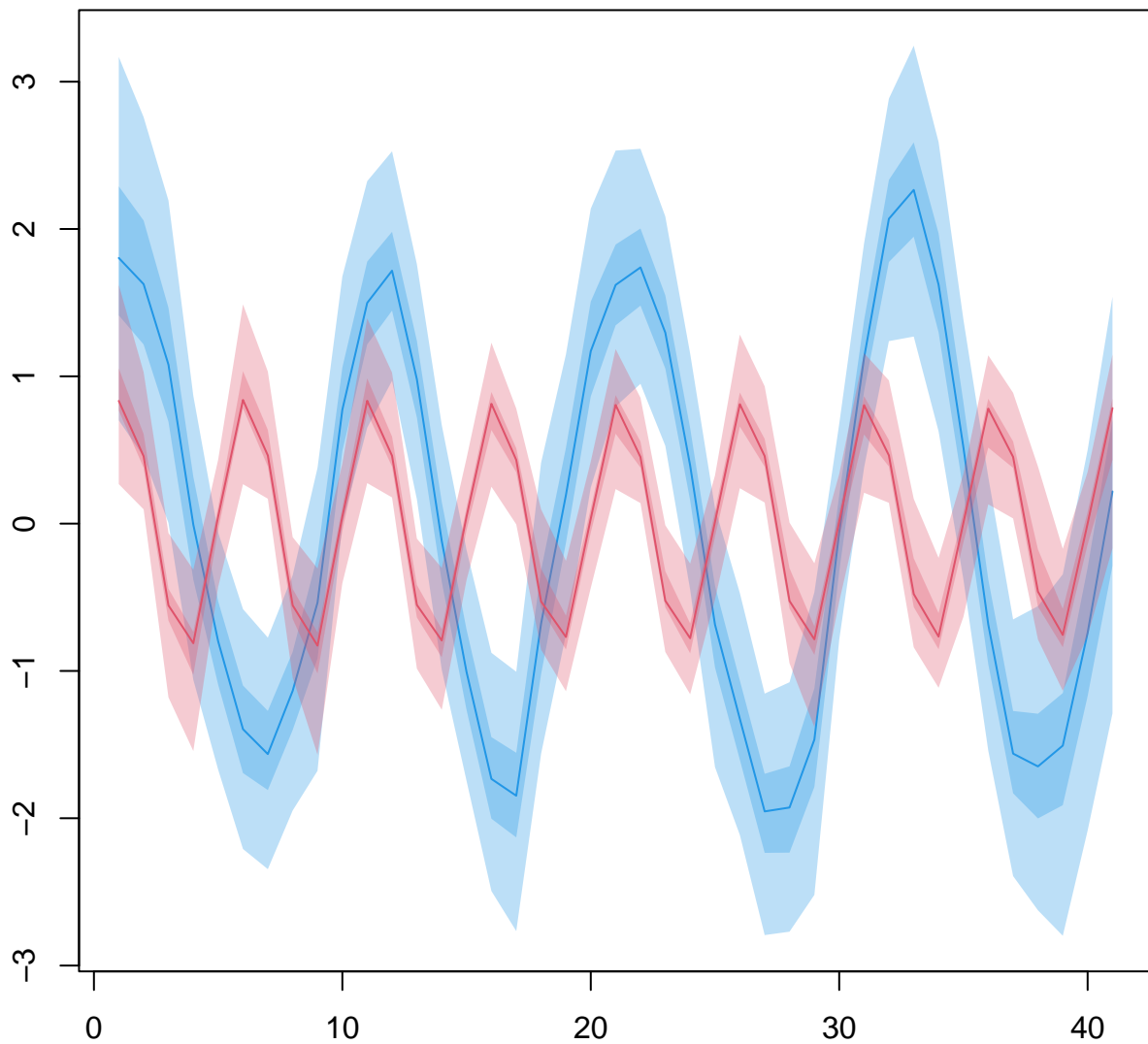


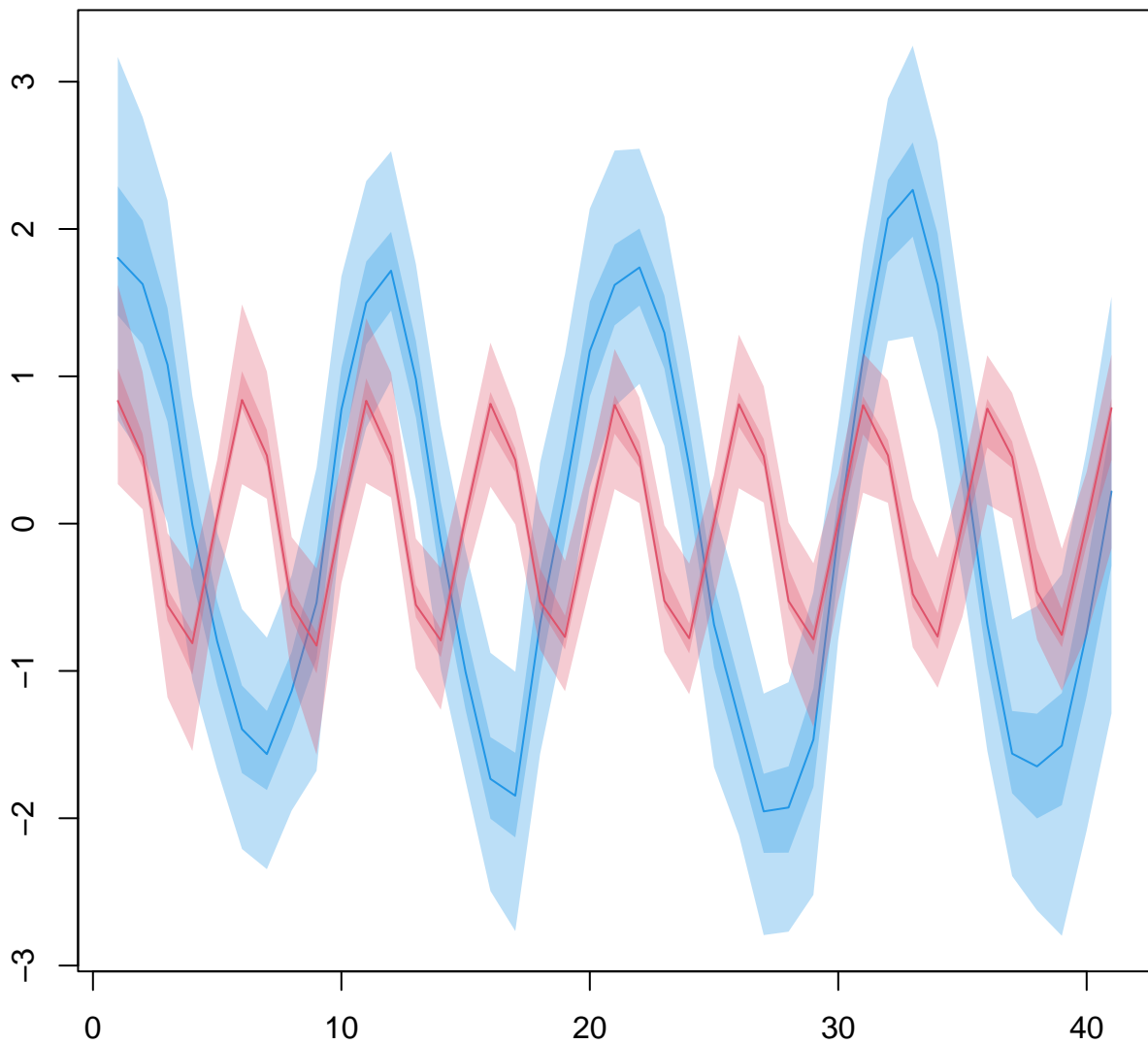
**cycle\_s[,1]**

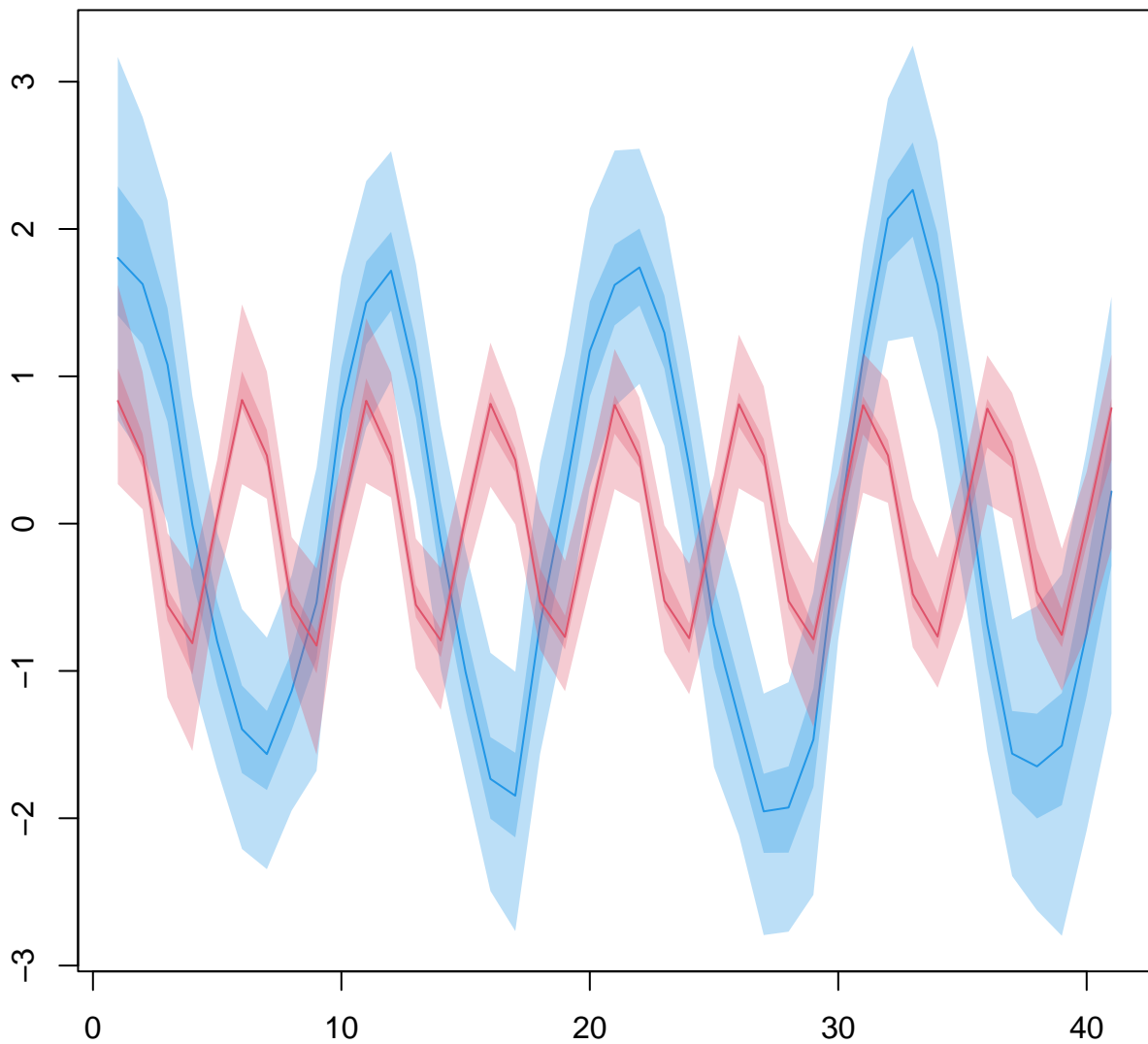




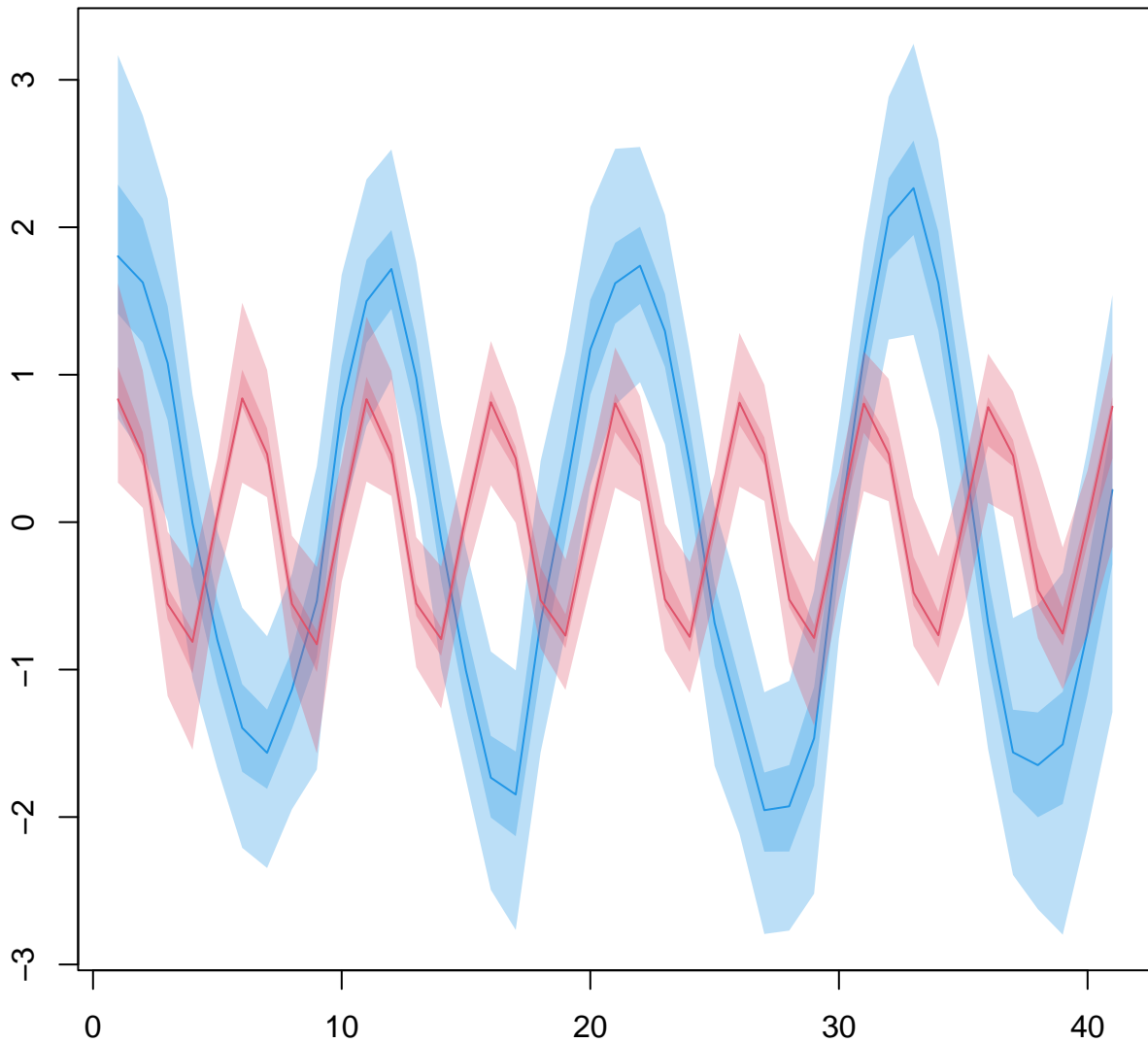
**cycle\_s**

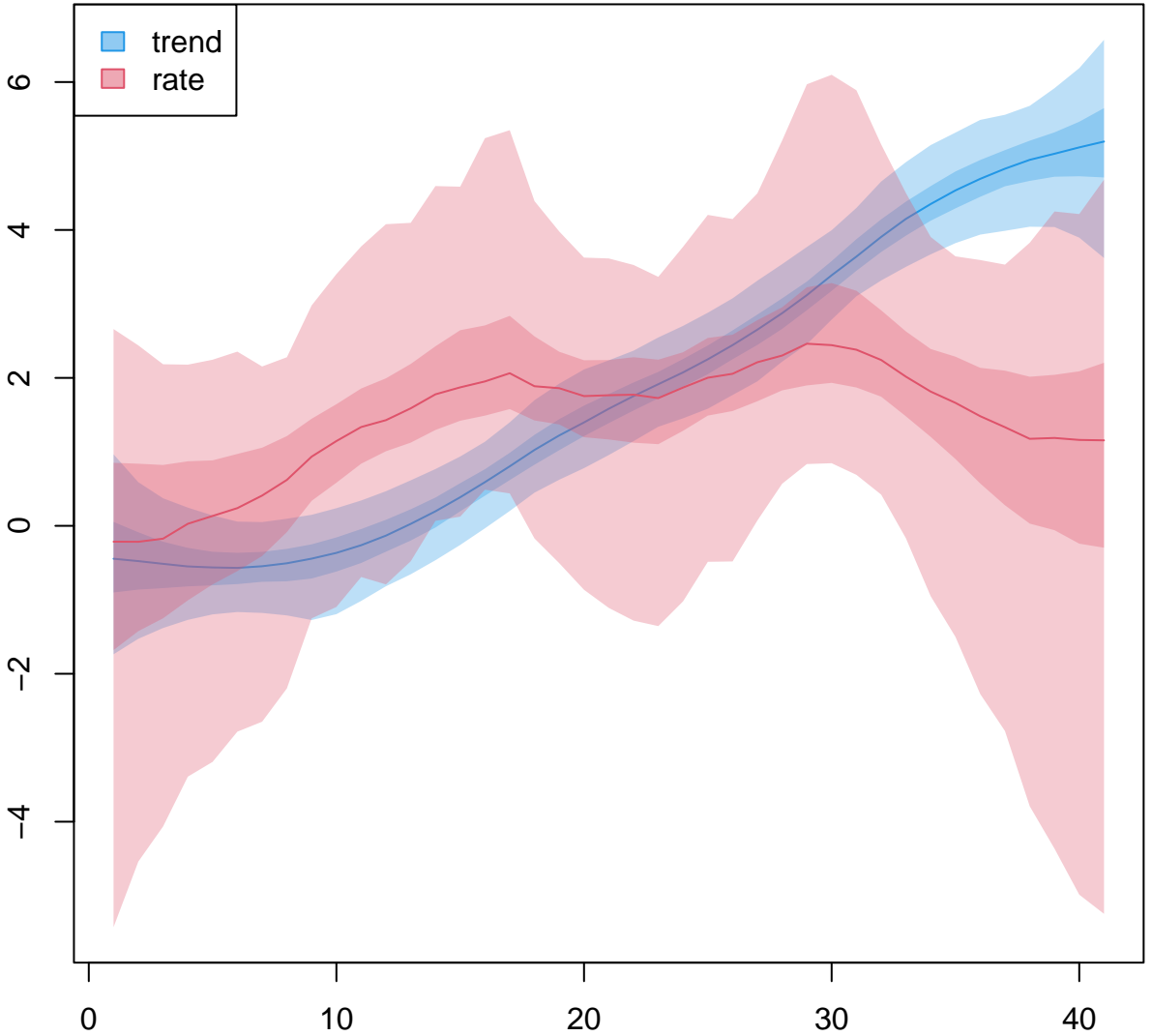


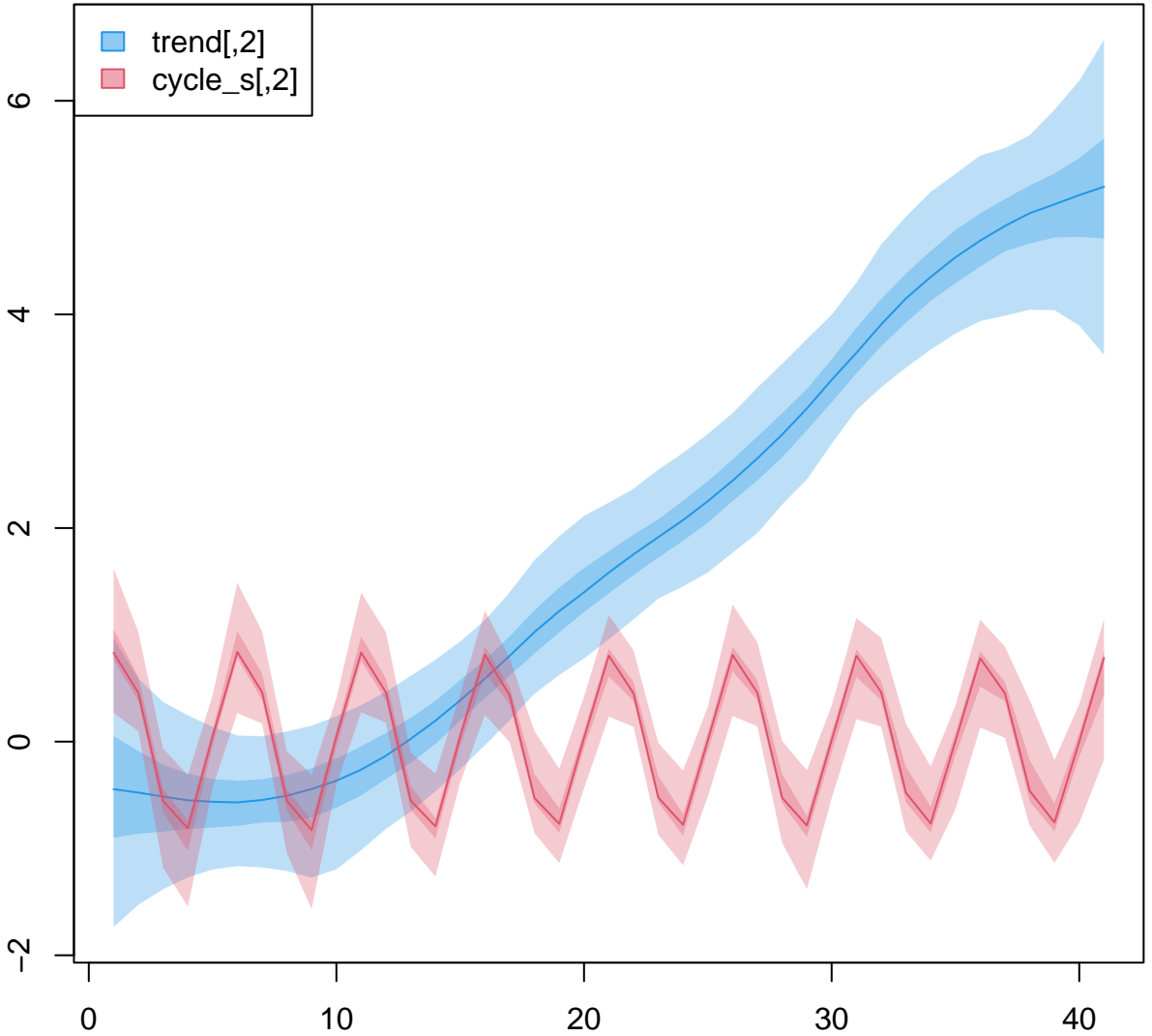


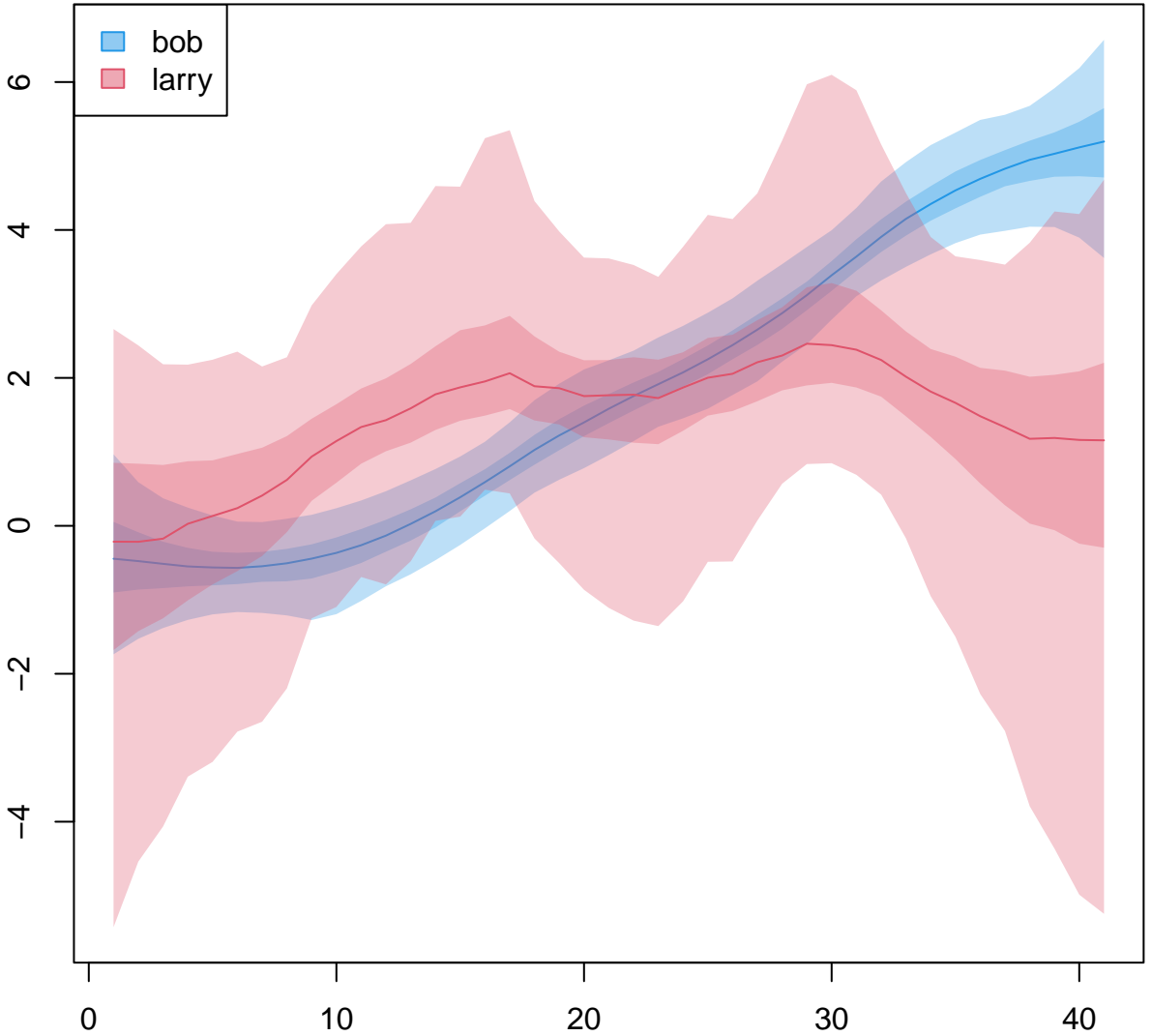


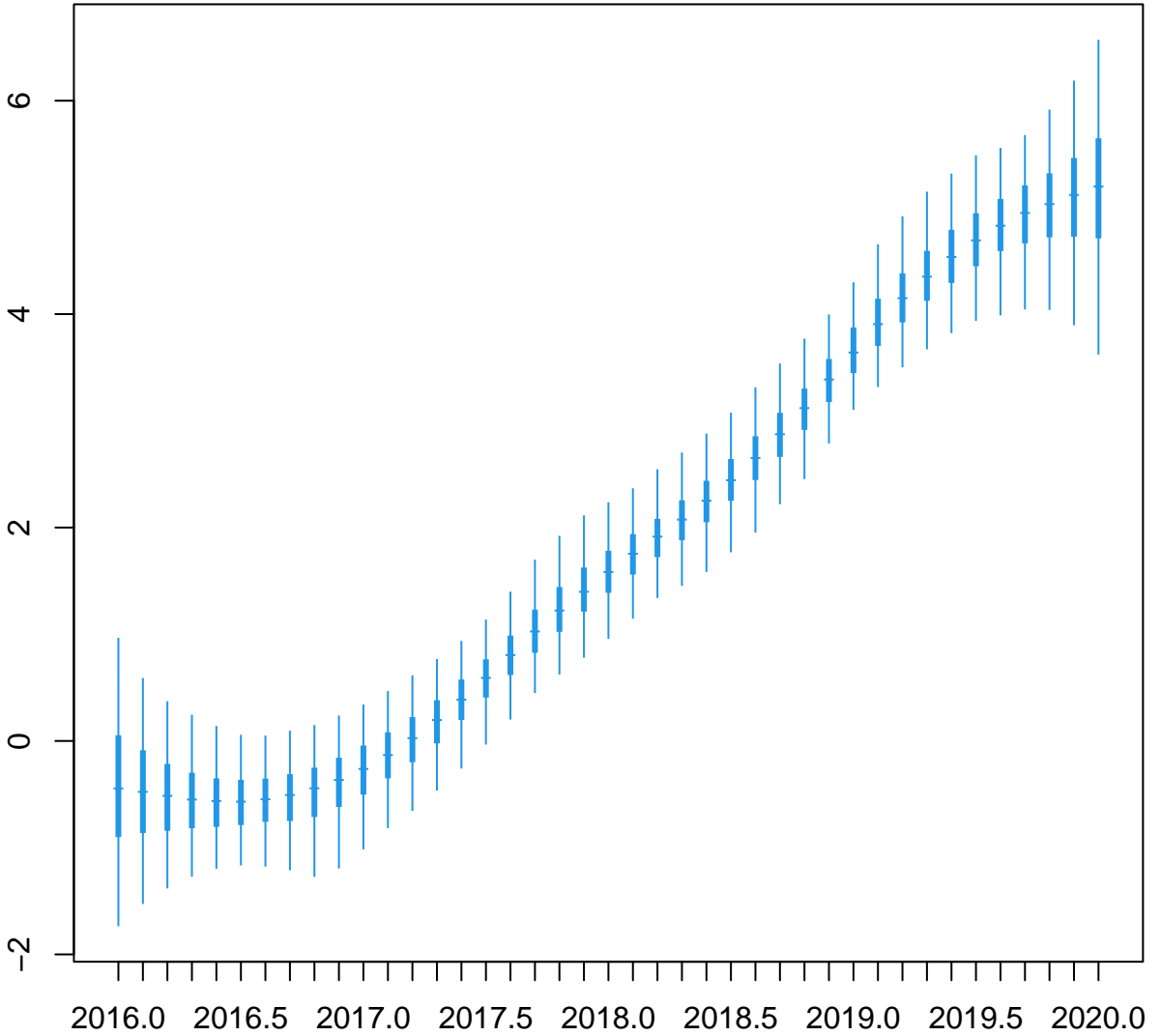
**cycle\_s**



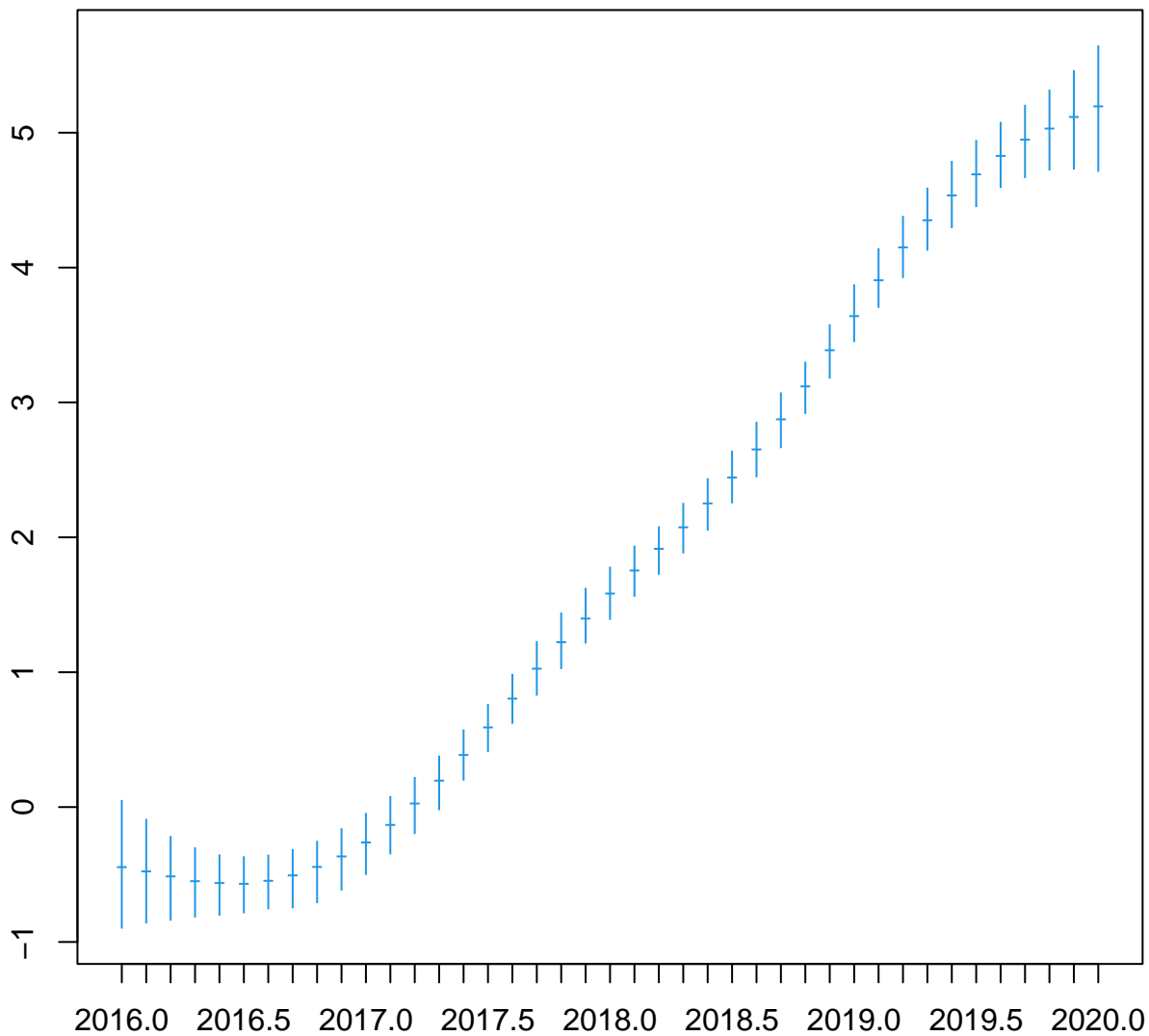


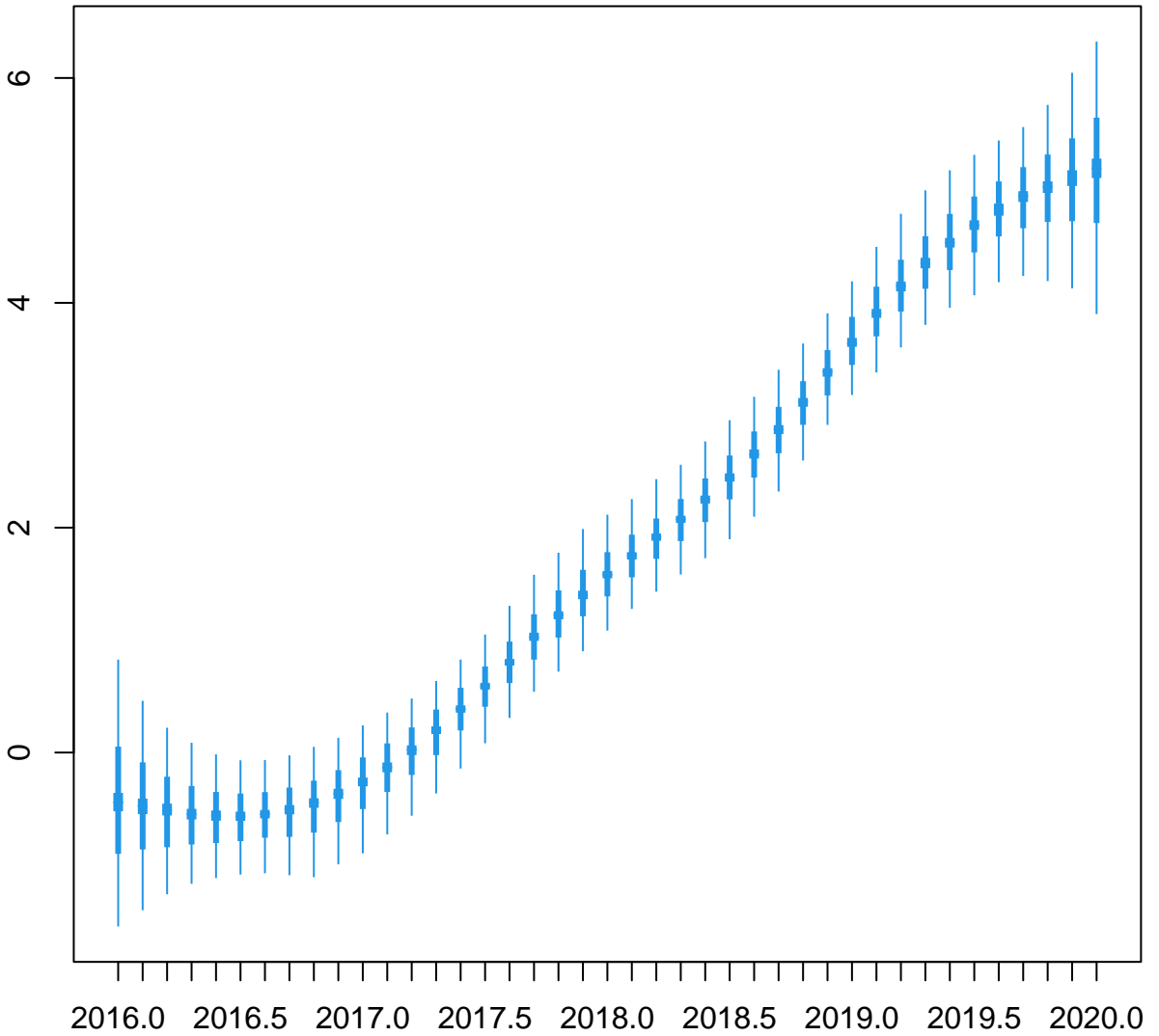




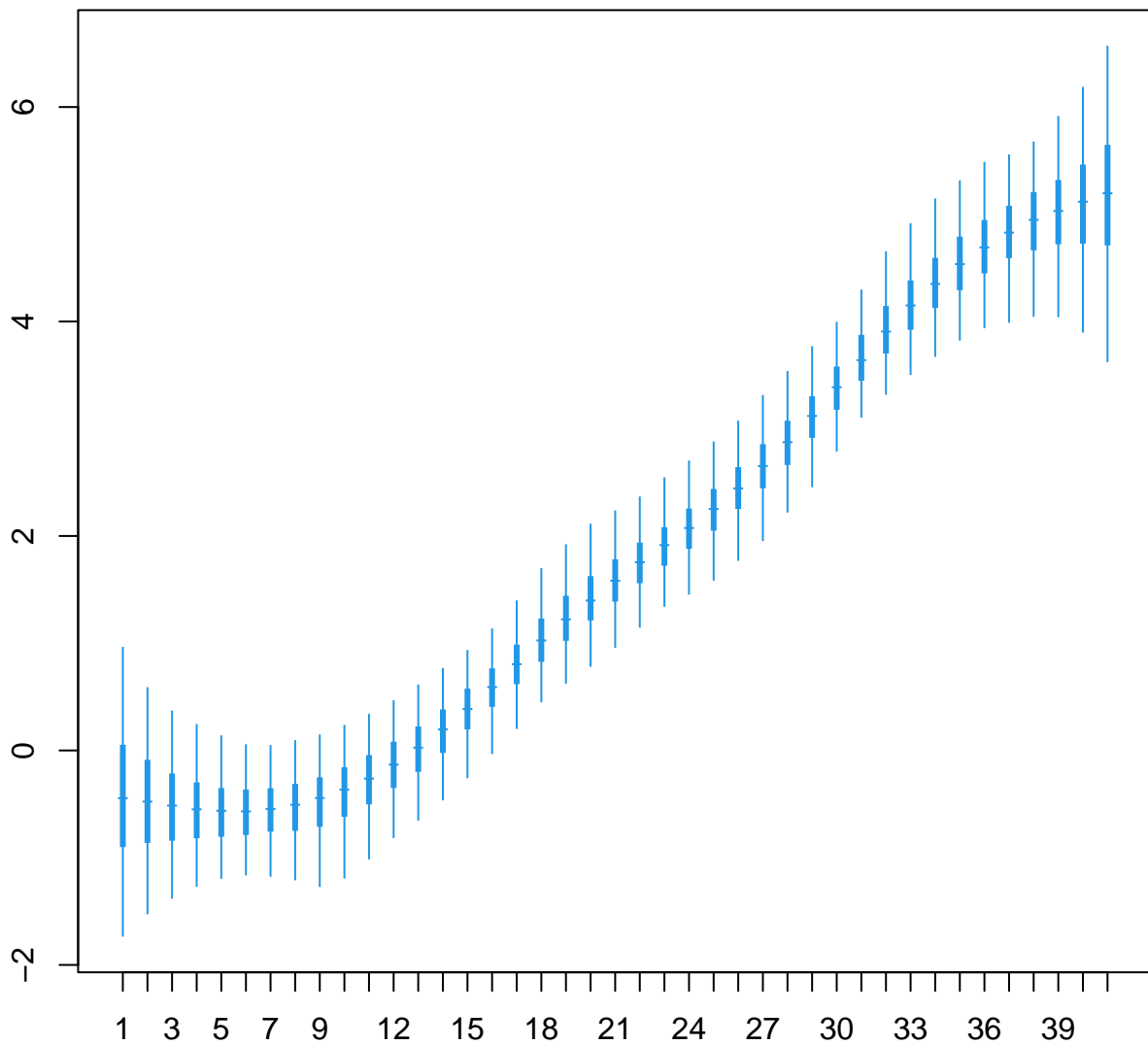




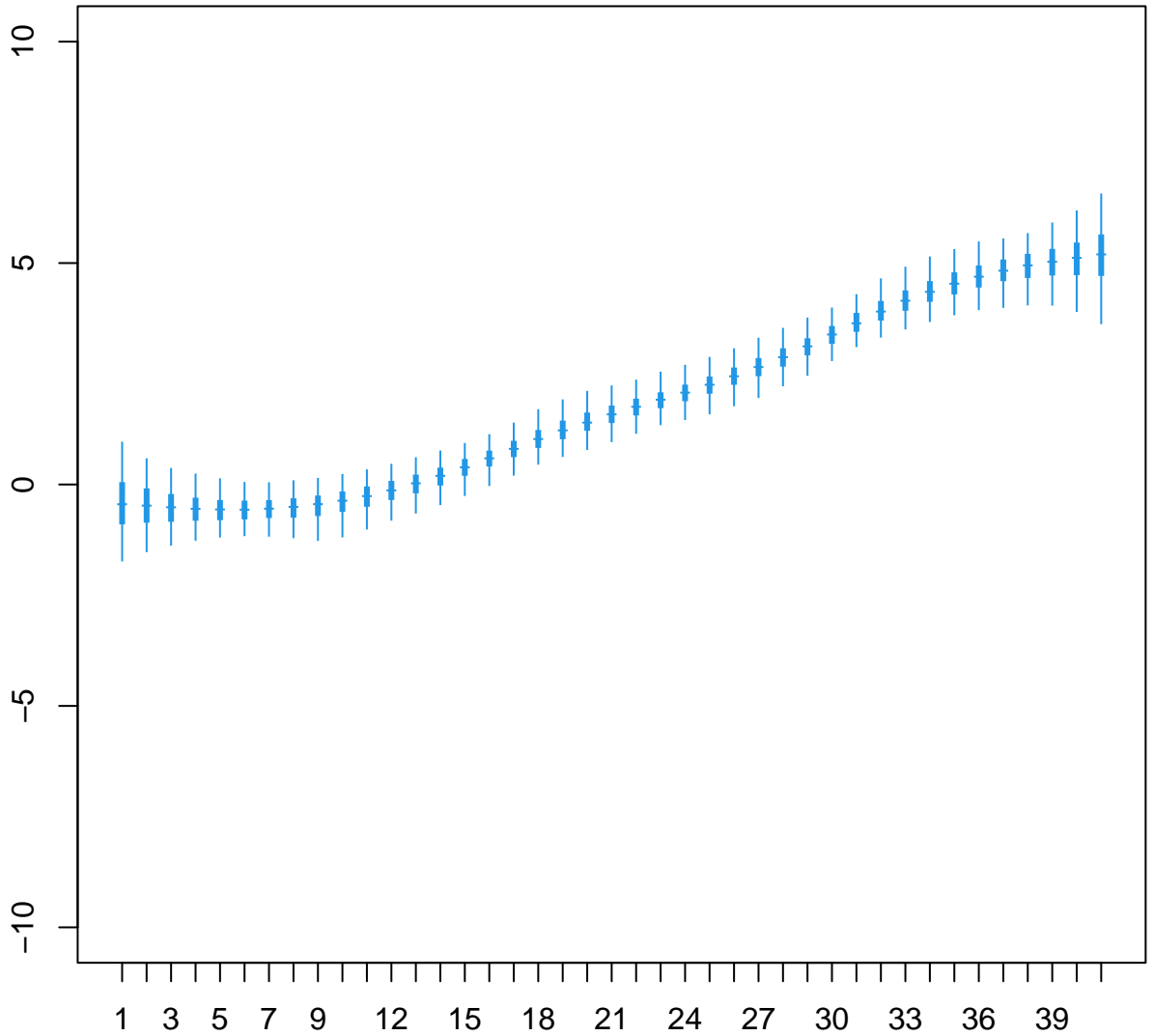




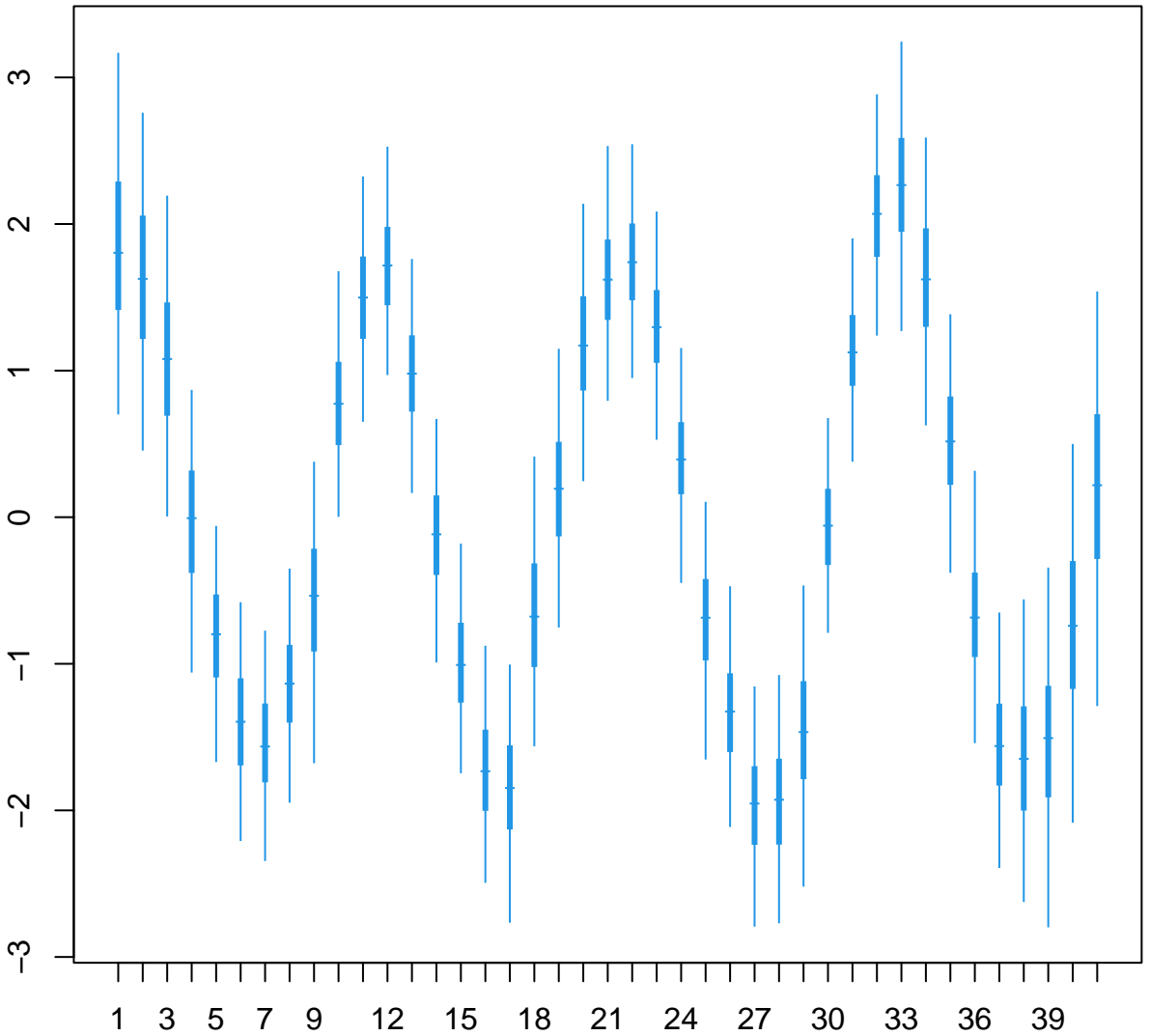
# trend



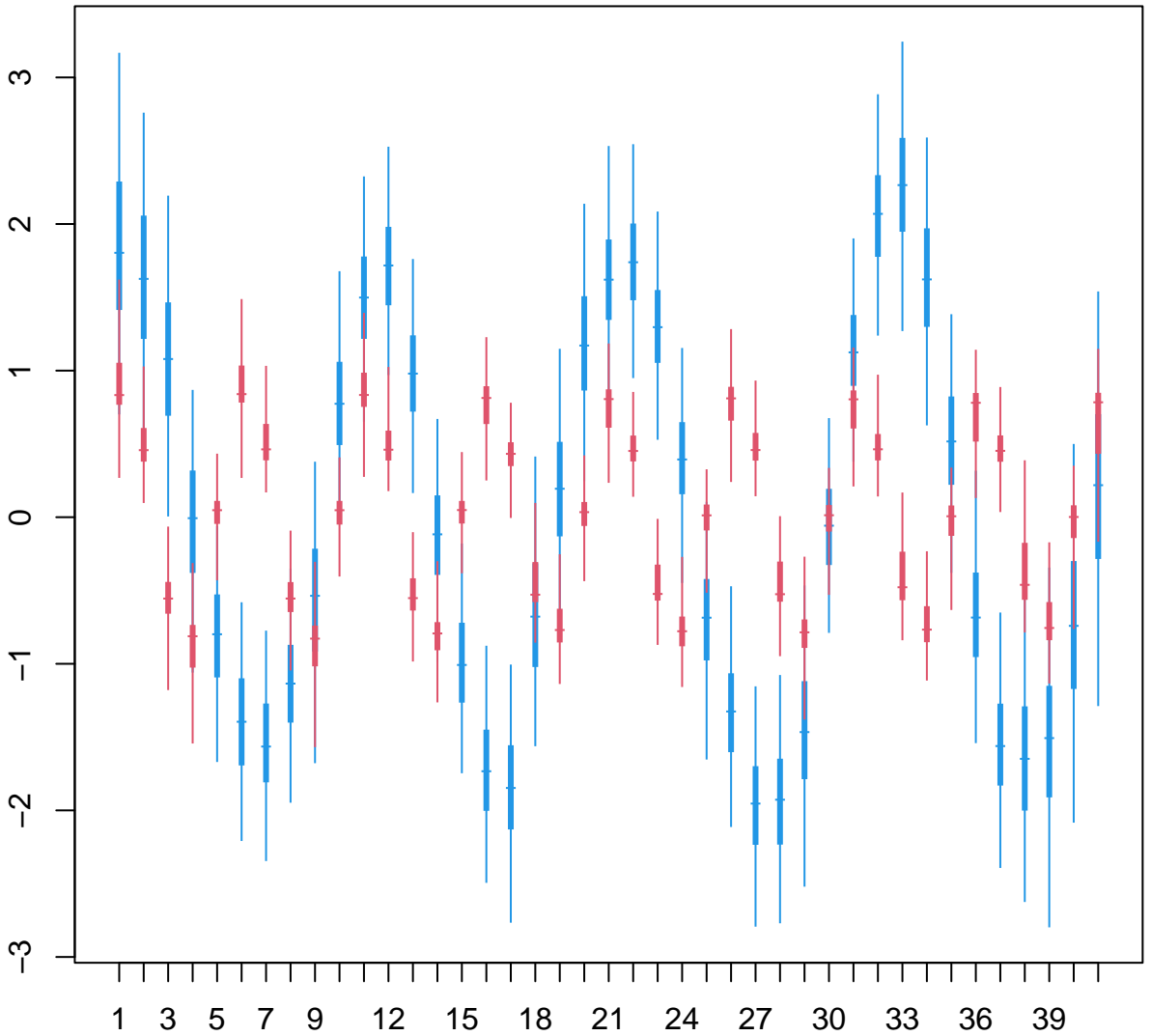
# trend

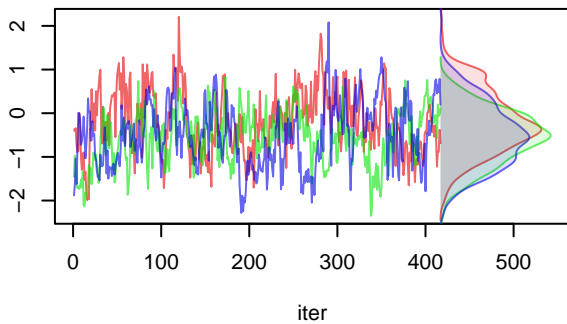
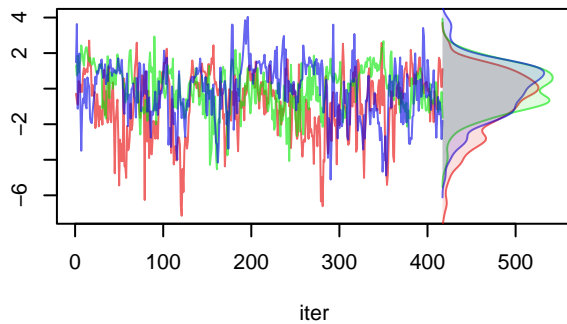
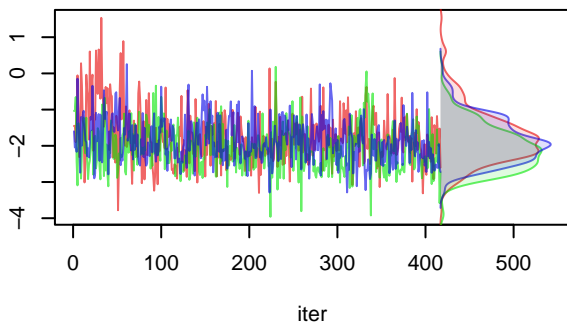
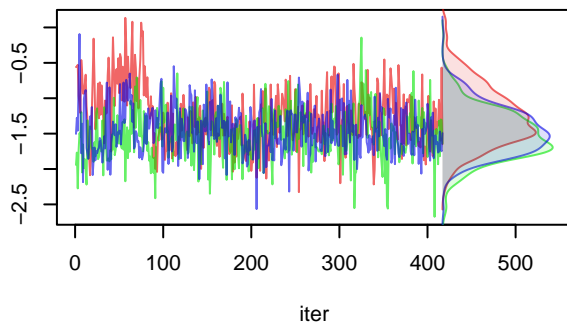
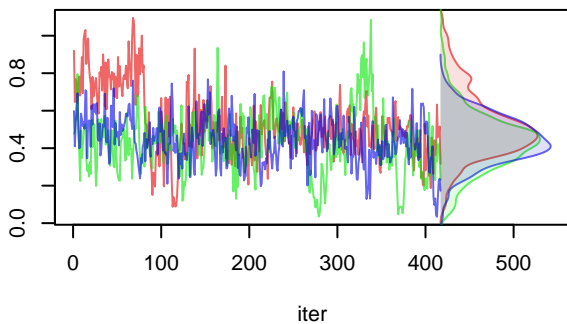
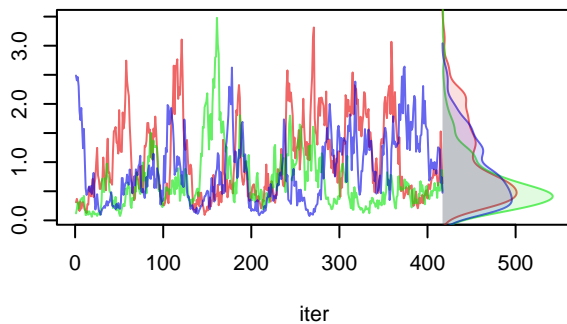


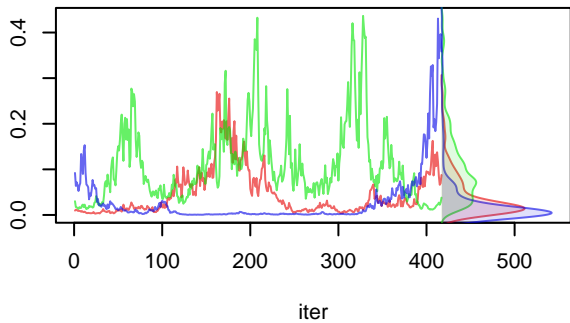
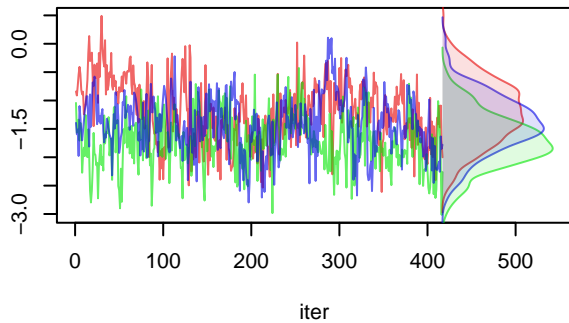
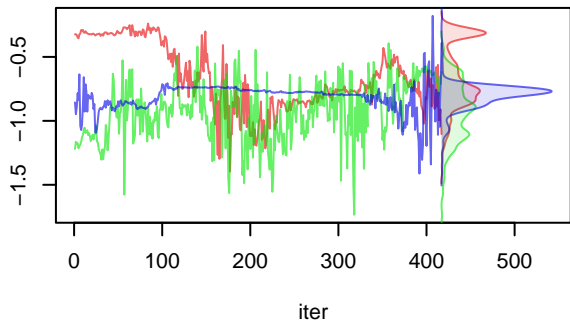
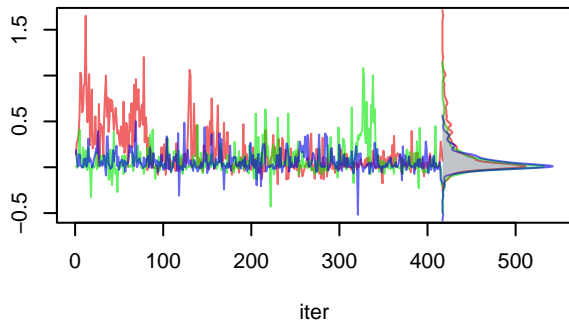
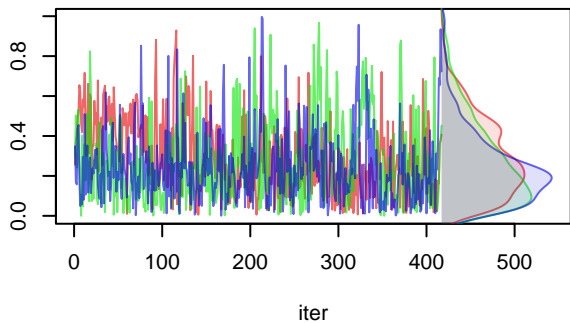
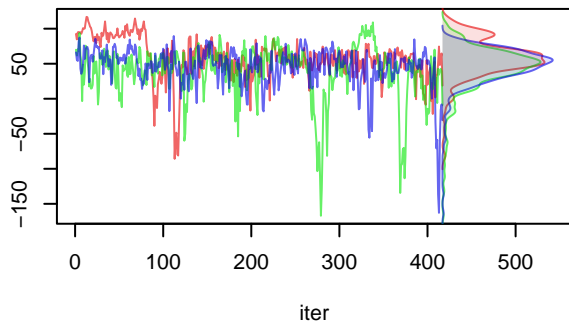
cycle\_s[,1]



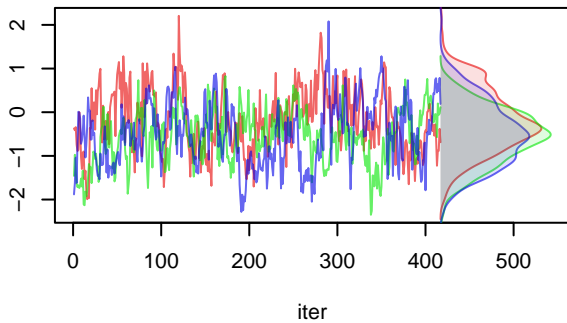
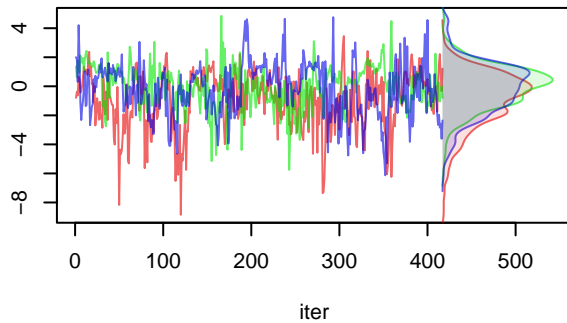
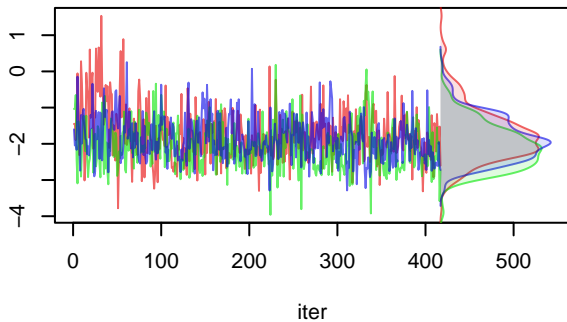
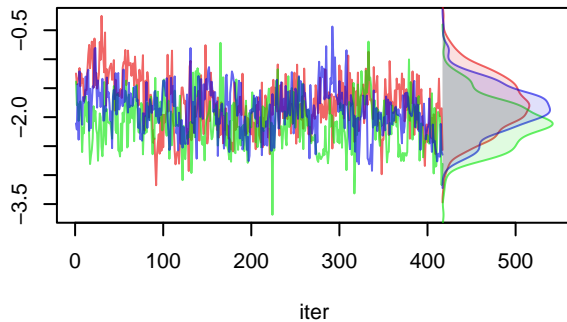
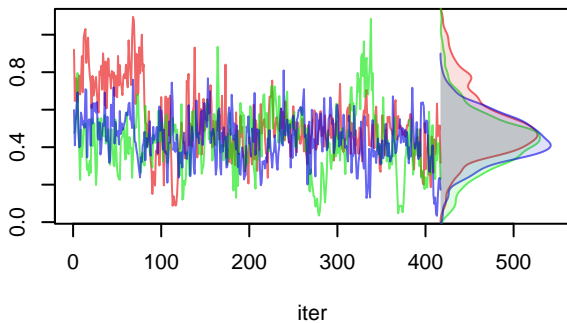
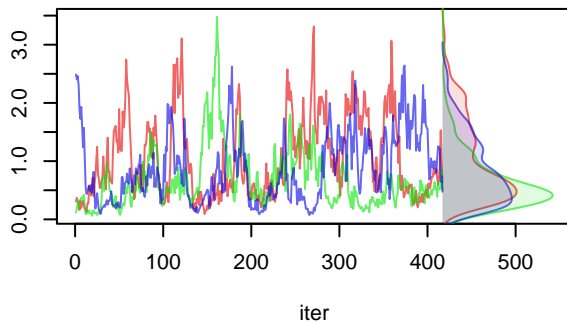
# cycle\_s

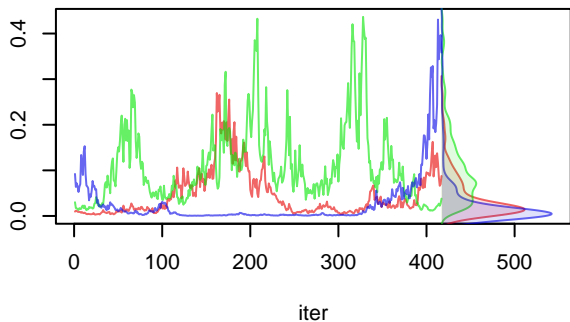
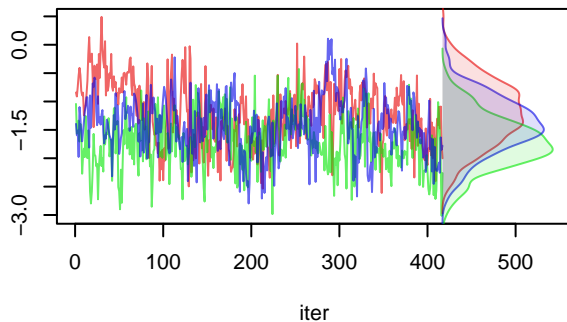
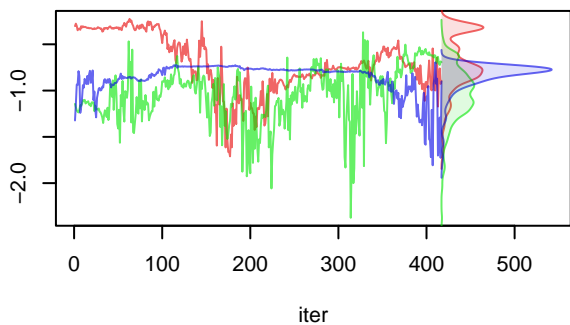
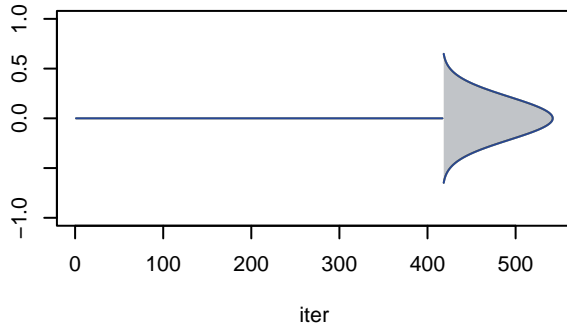
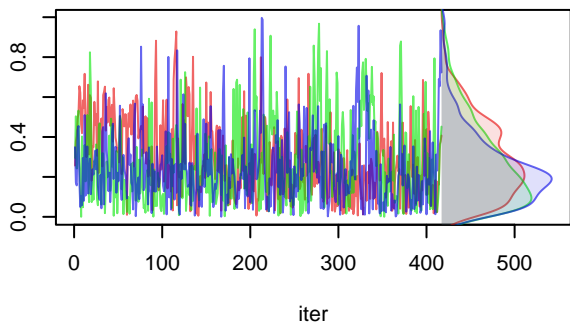
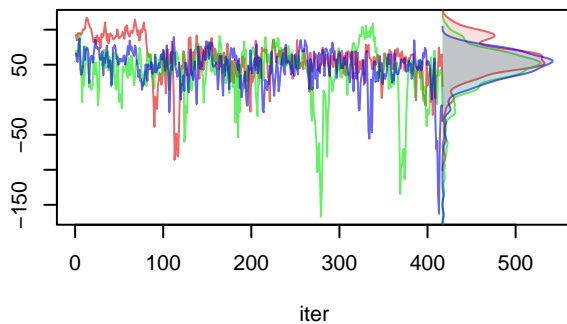


**trend[1]****rate[3]****ypp[9]****fit[4]****sig\_eps****sig\_xi**

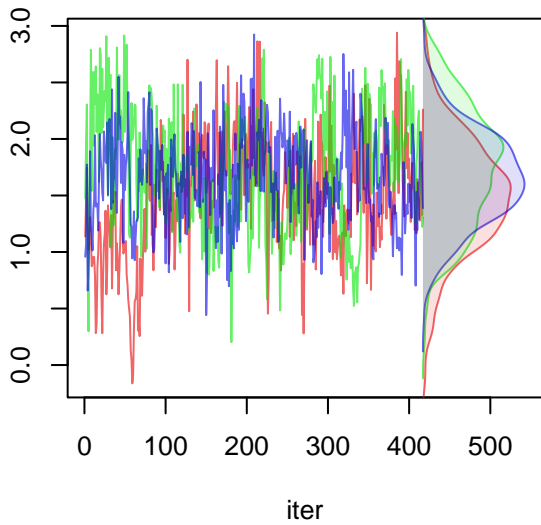
**sig\_omega[2]****cycle[9]****cycle\_s[14,2]****ar1[21]****phi****deviance**



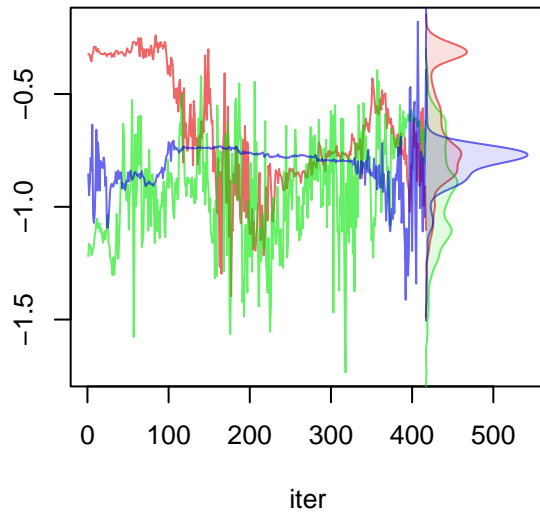
**trend[1]****rate[2]****ypp[9]****fit[9]****sig\_eps****sig\_xi**

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

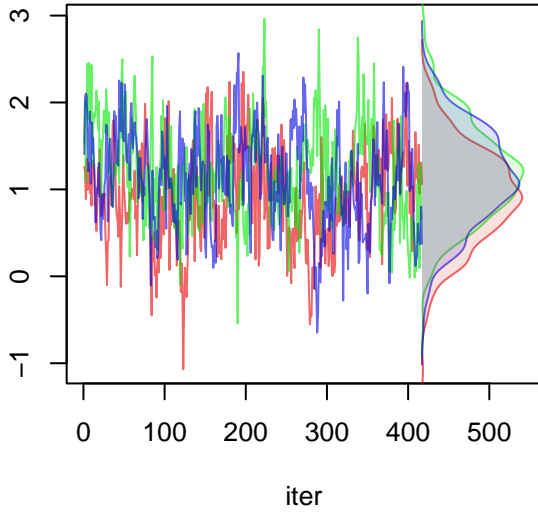
**cycle\_s[34,1]**



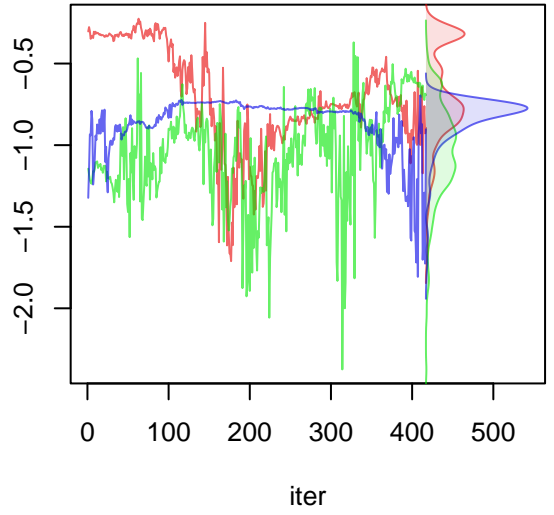
**cycle\_s[14,2]**



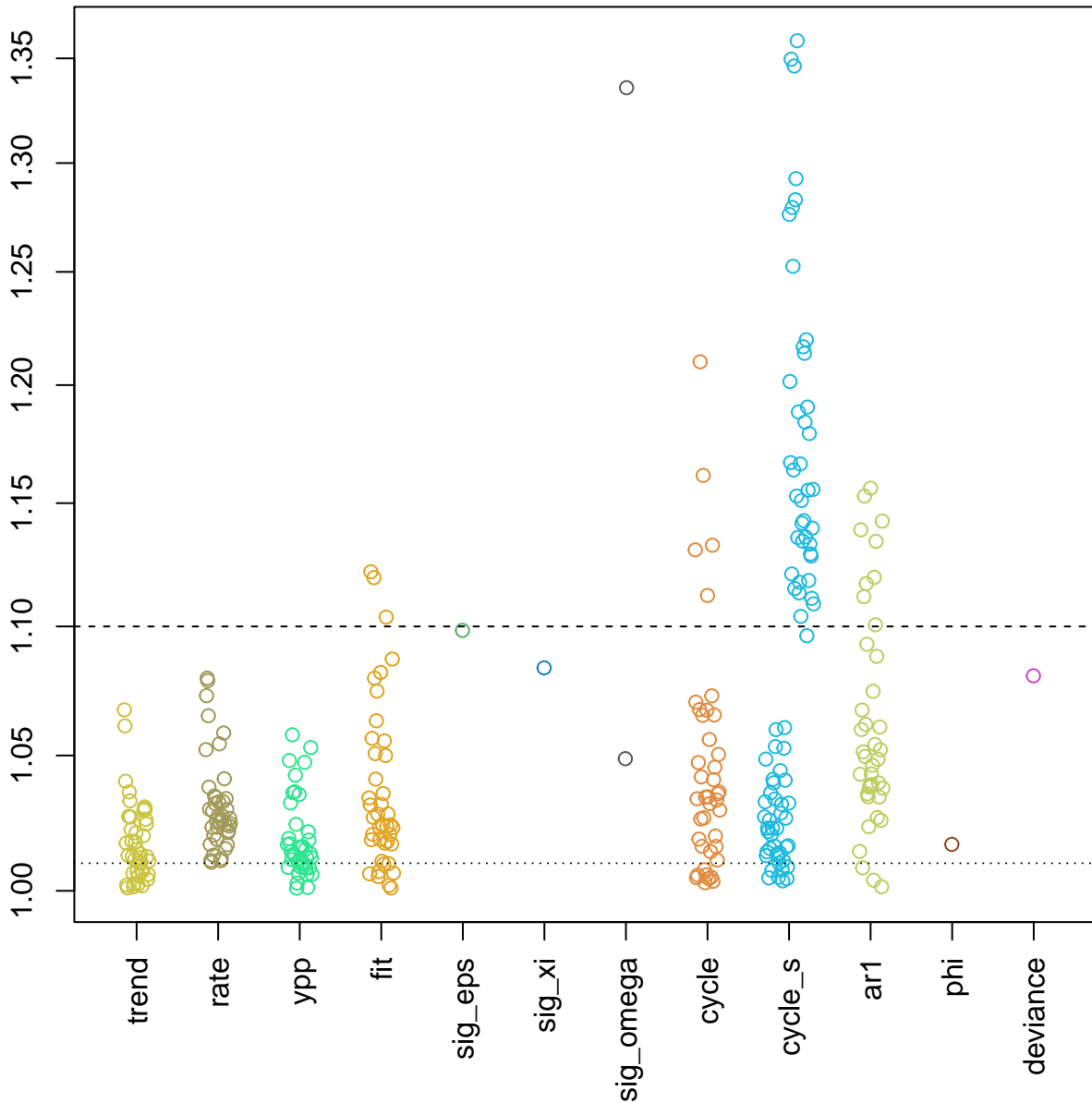
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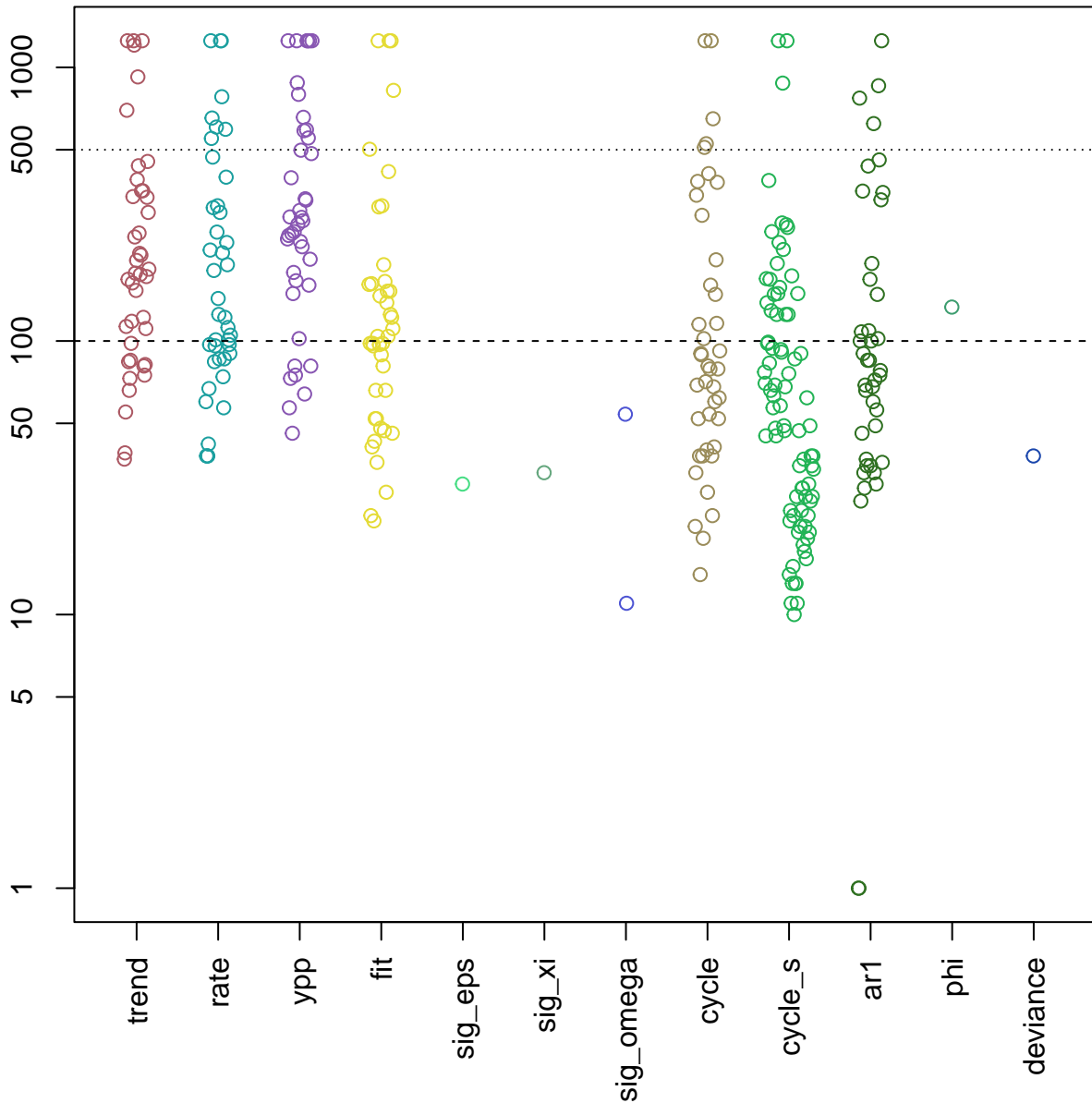
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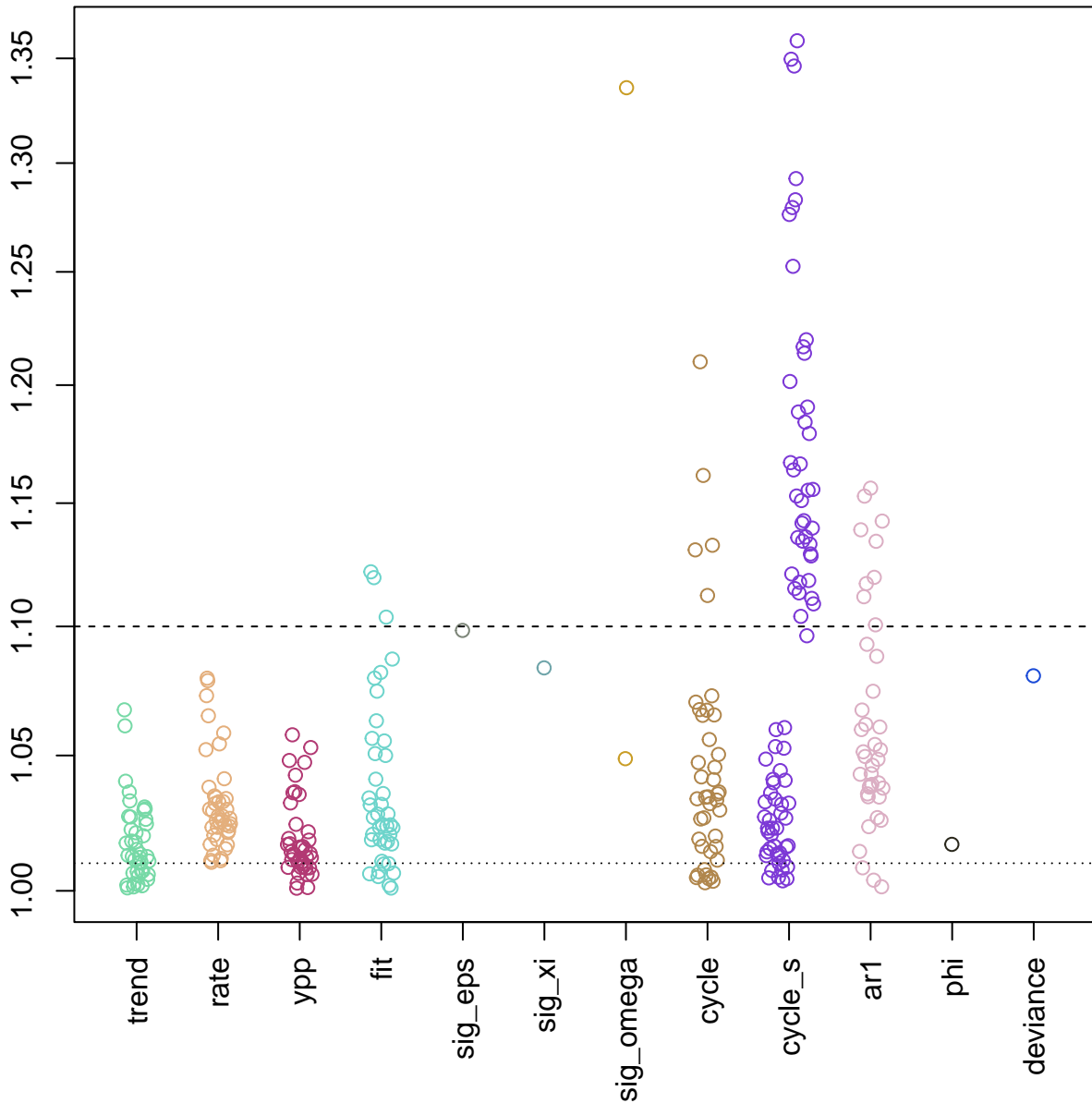
# R hat



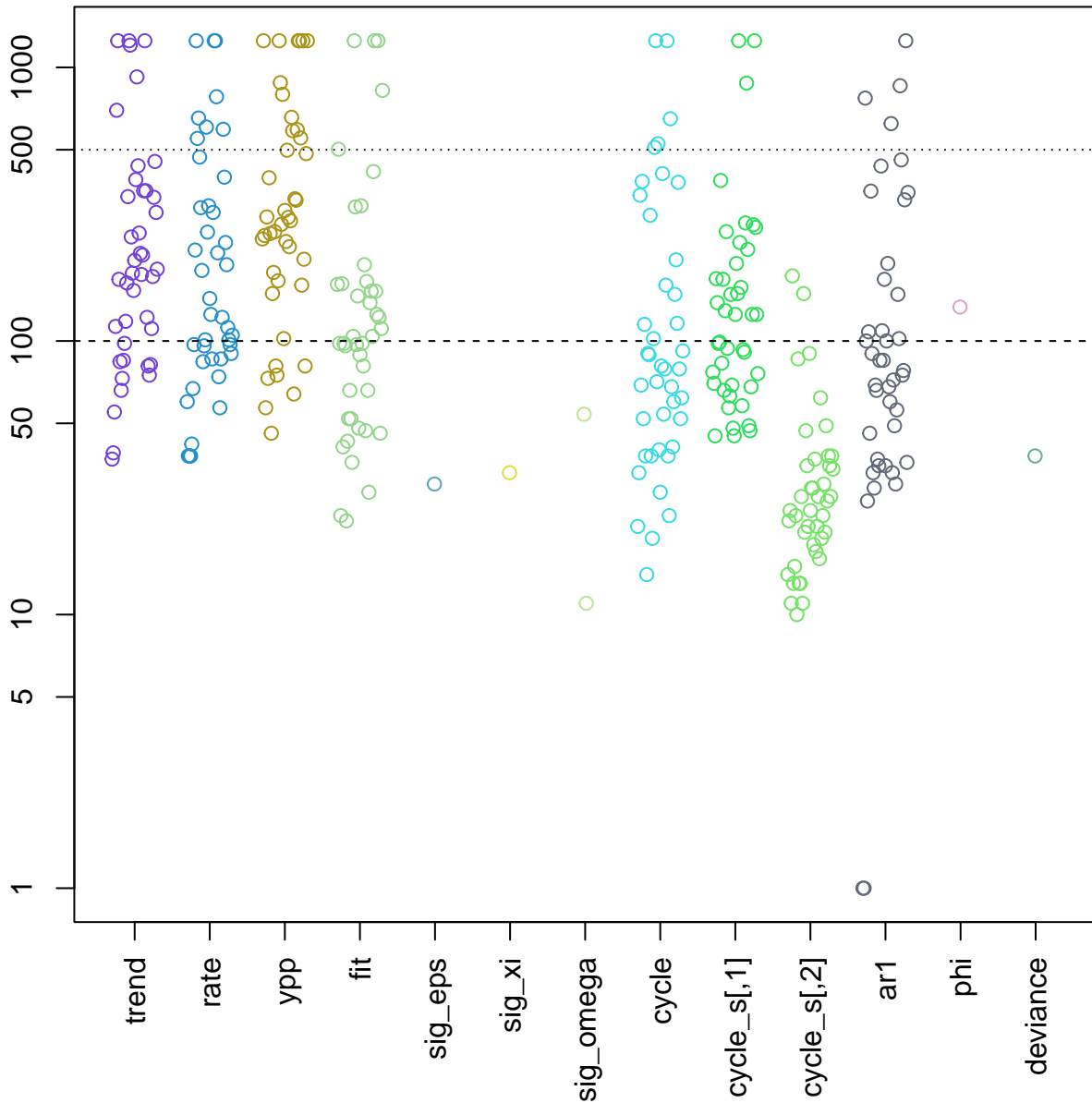
# n eff



# R hat

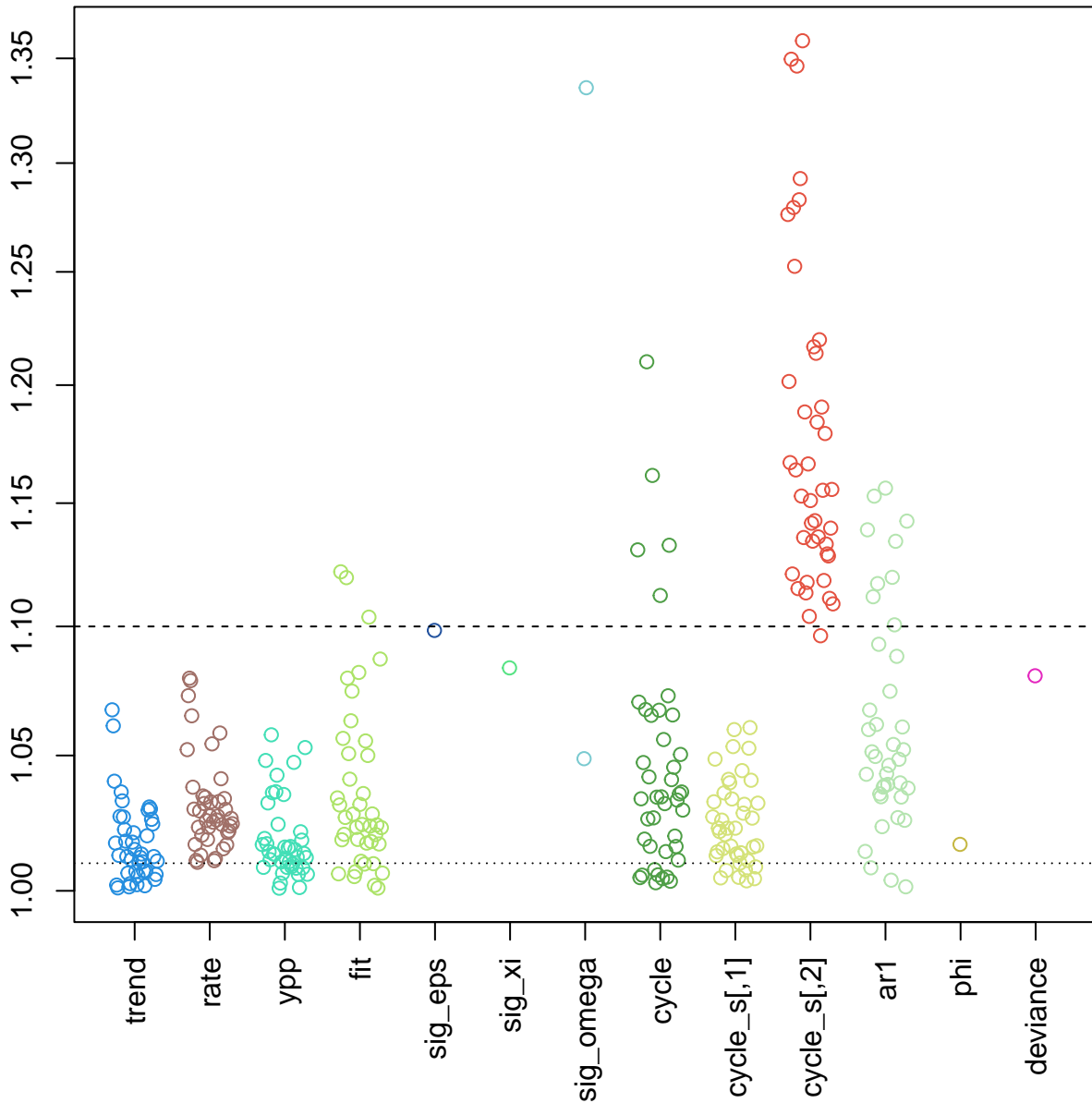


# n eff

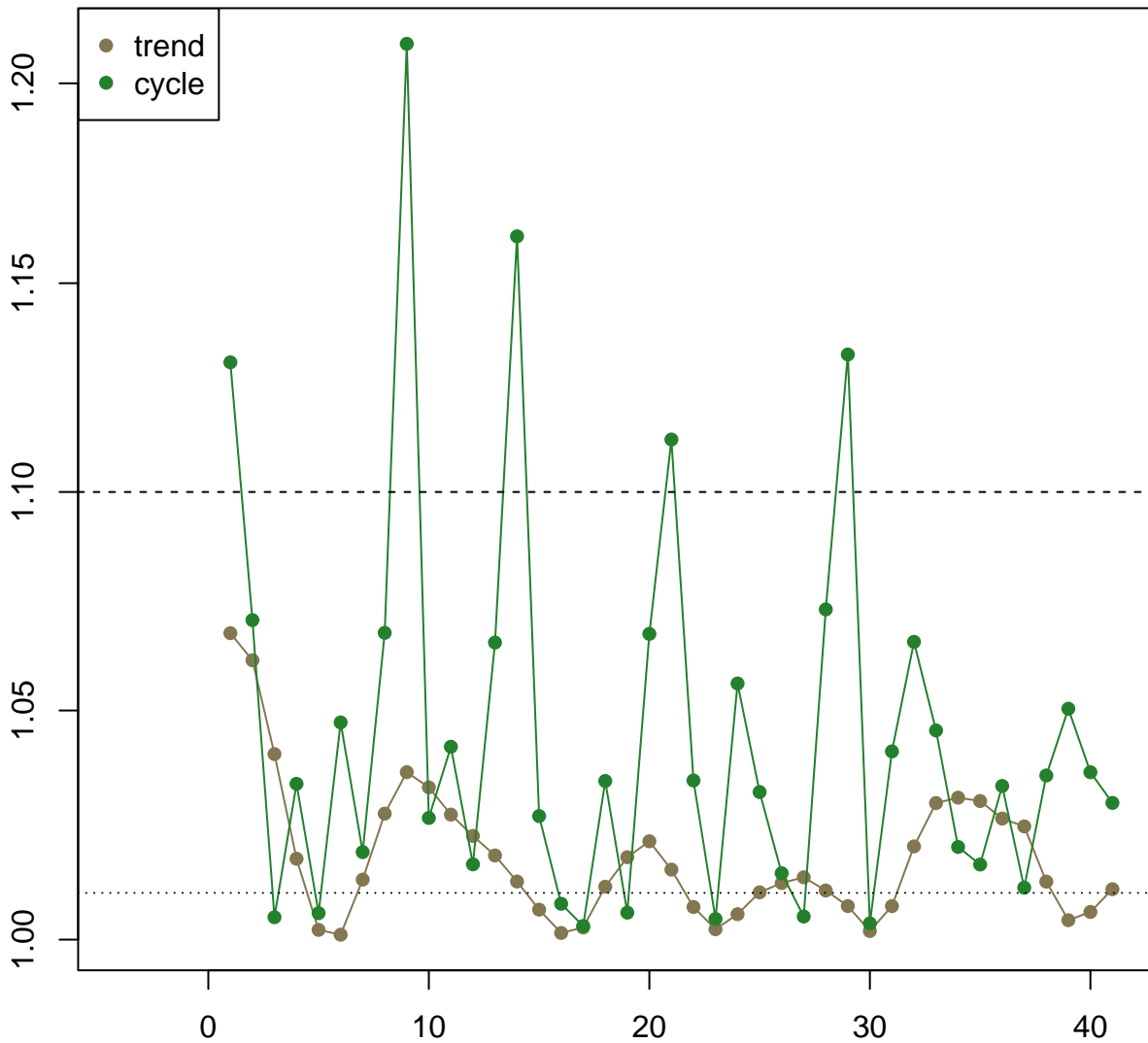


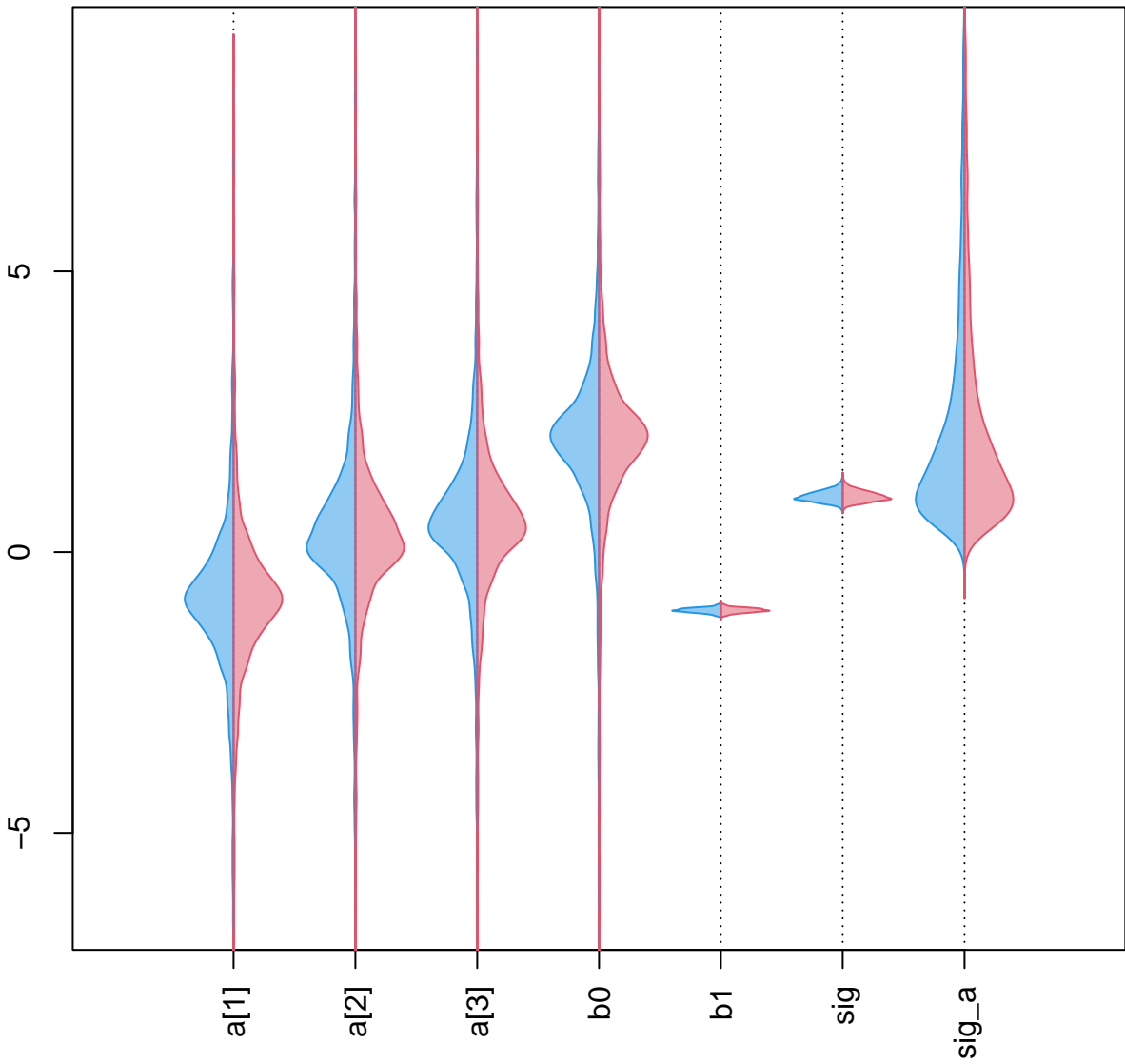


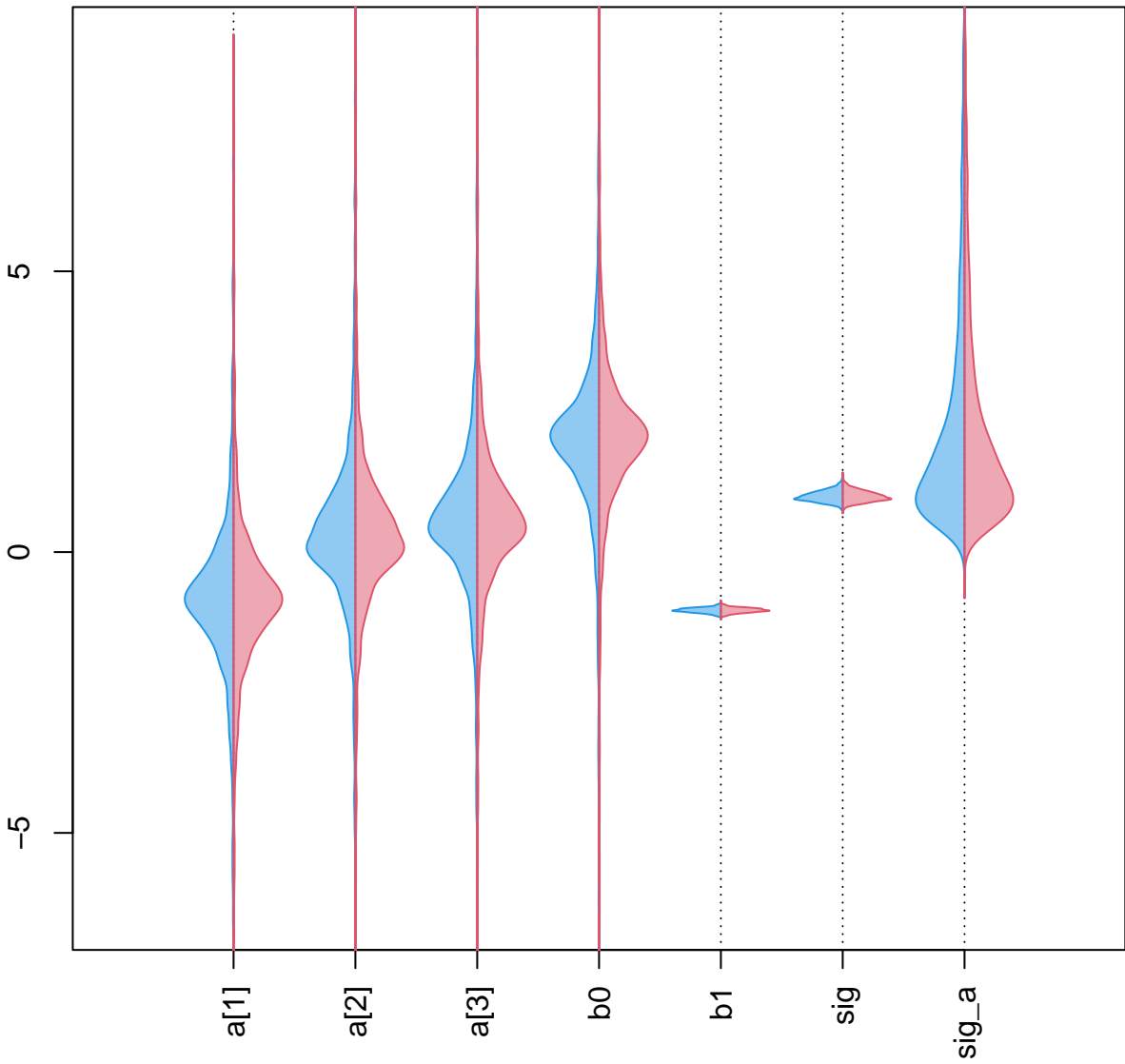
# R hat

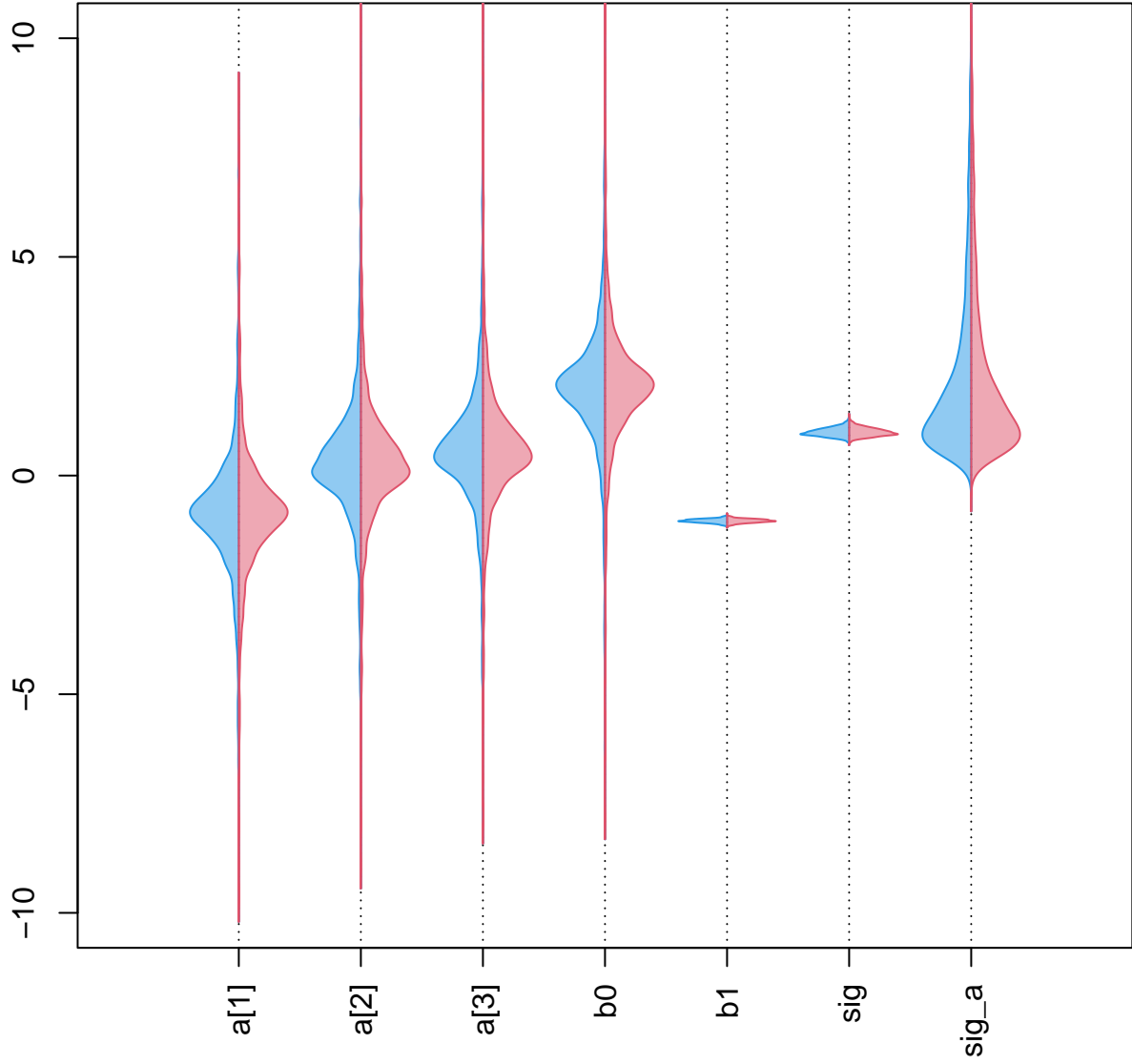


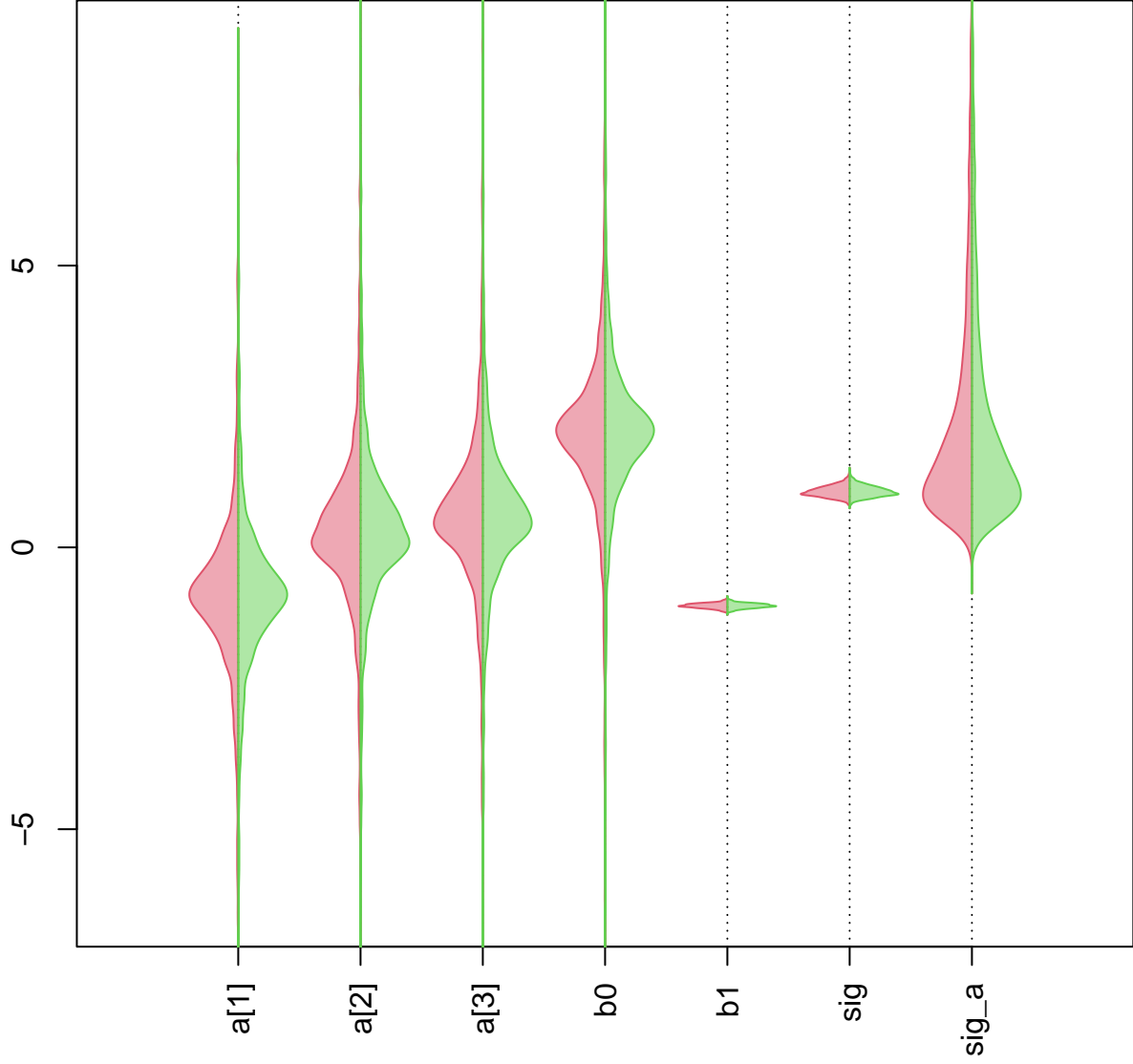
# R hat

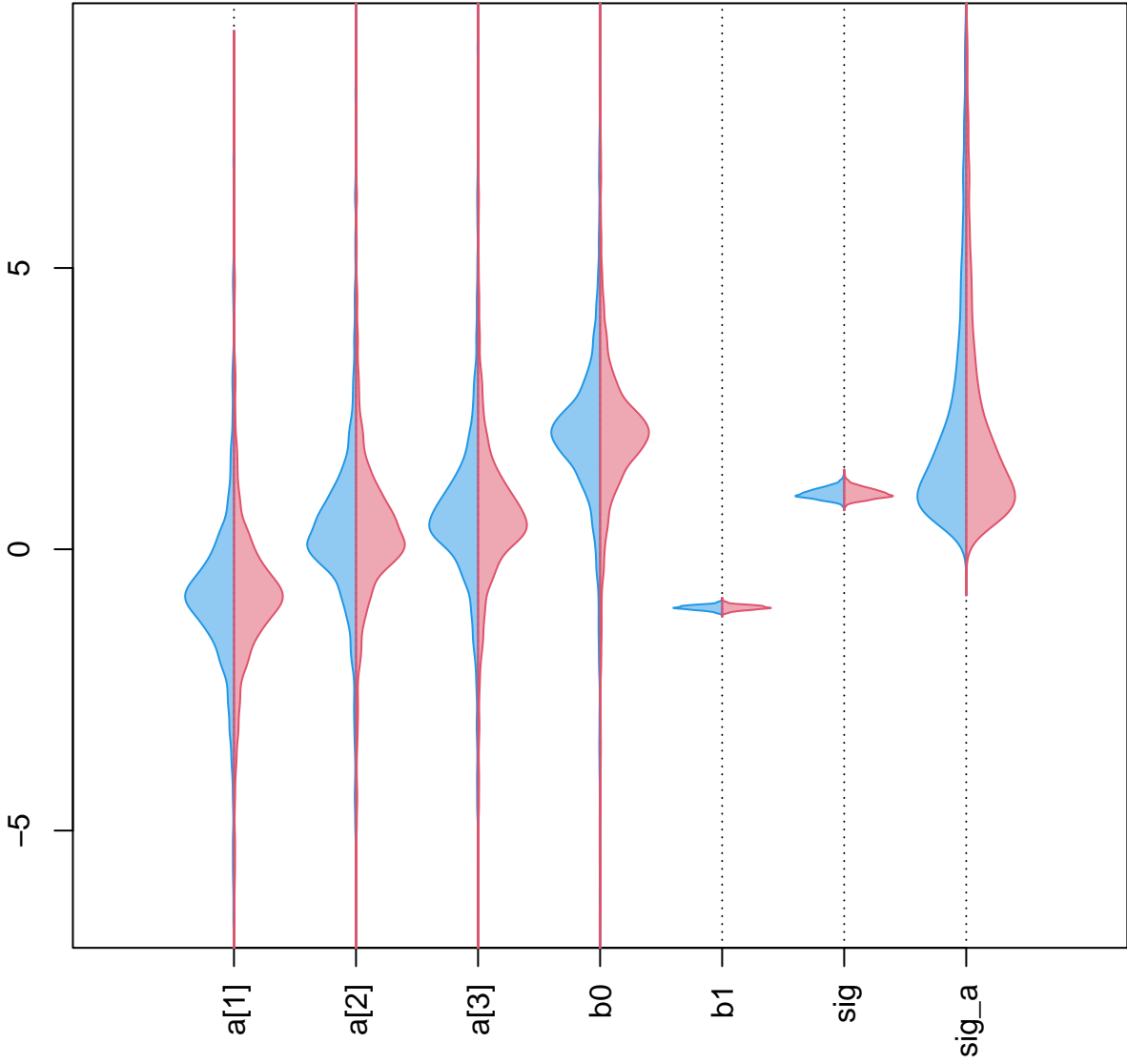


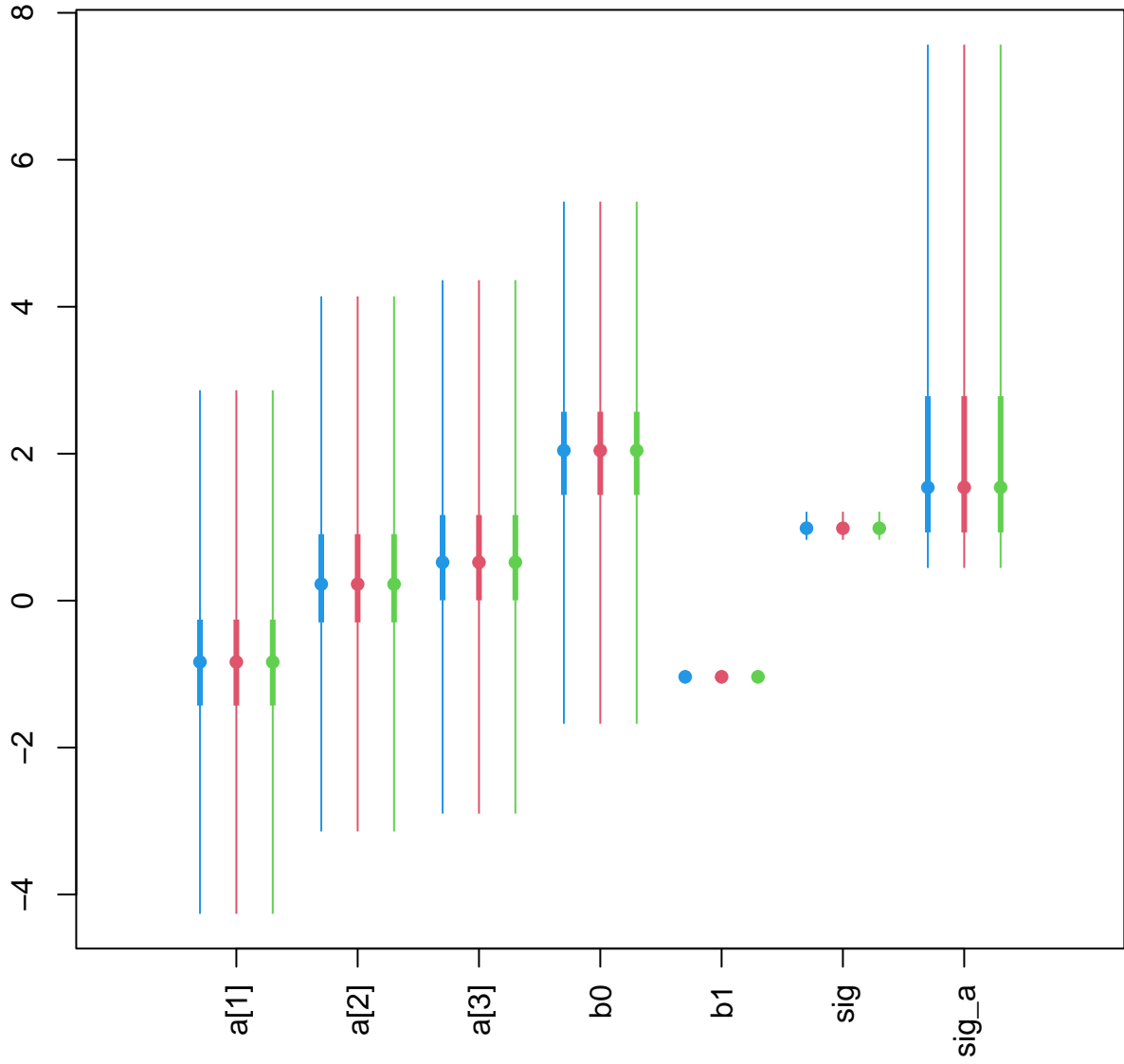




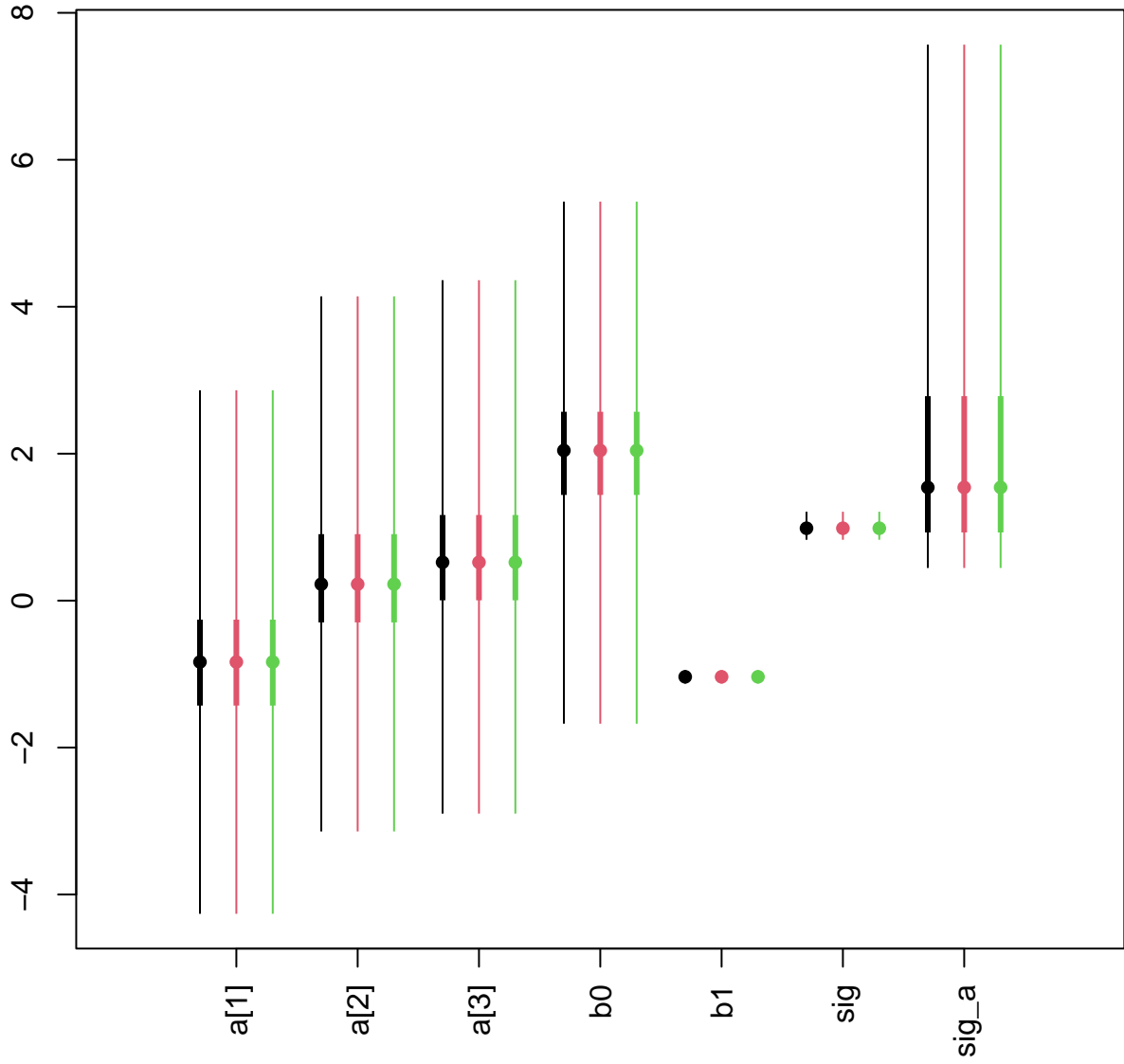


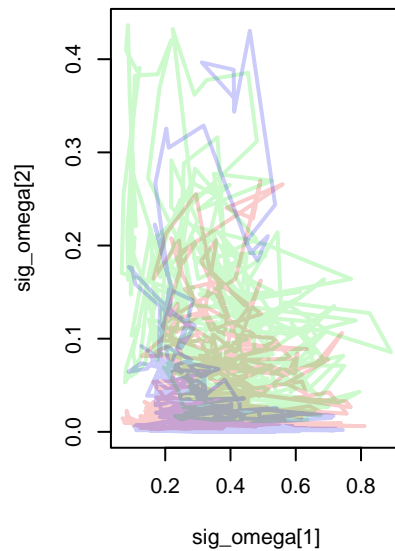
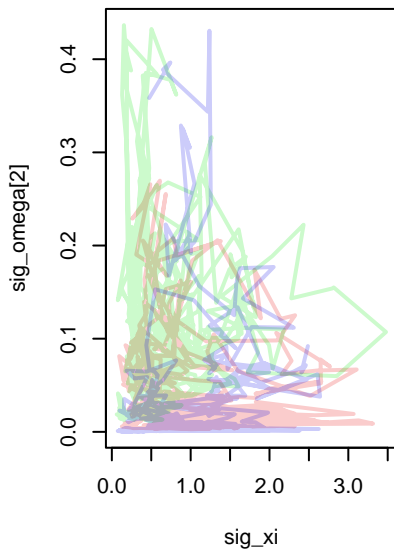
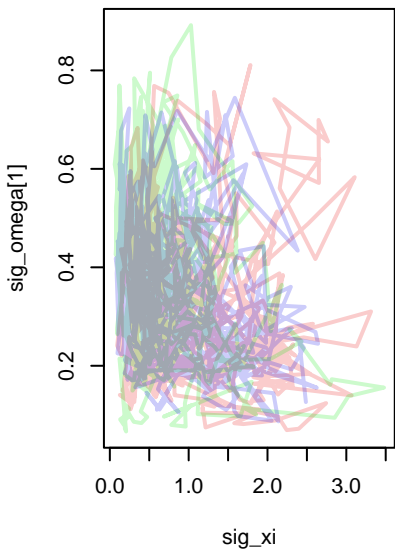
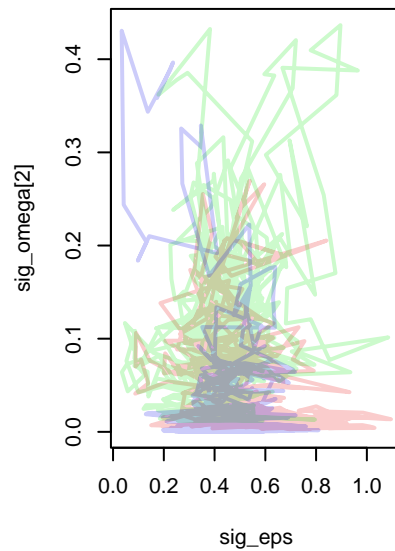
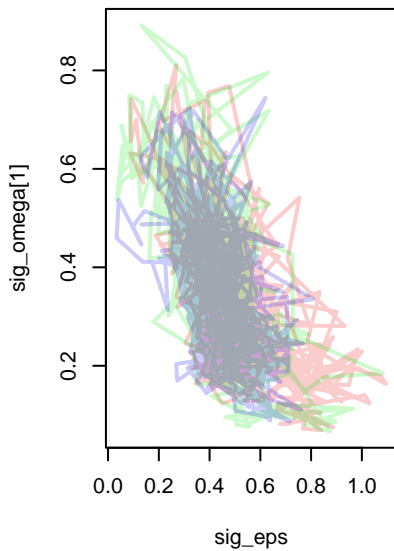
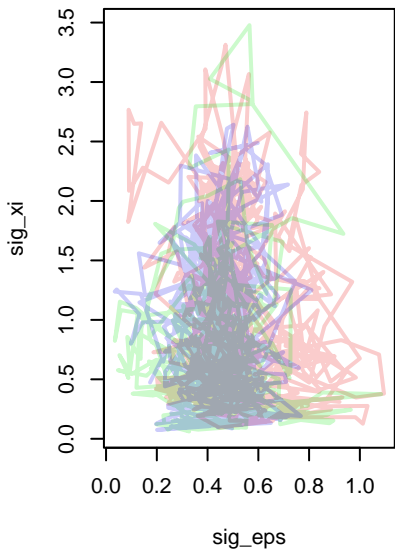


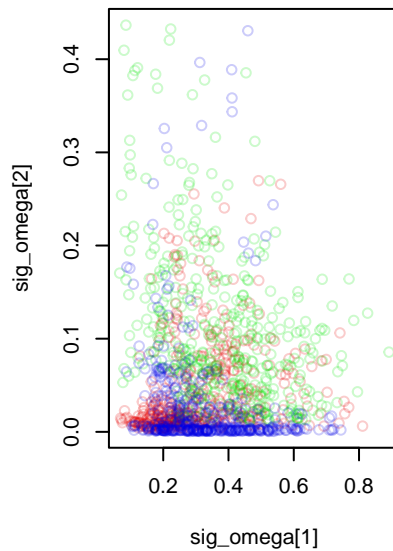
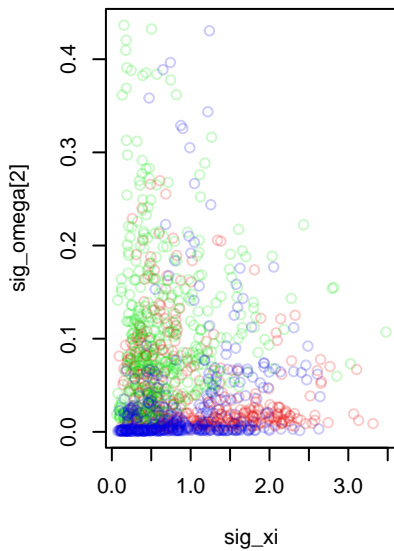
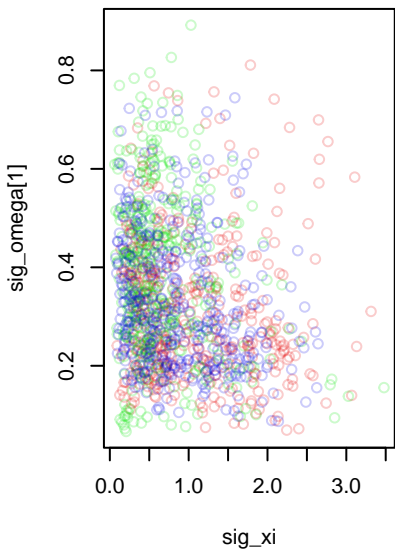
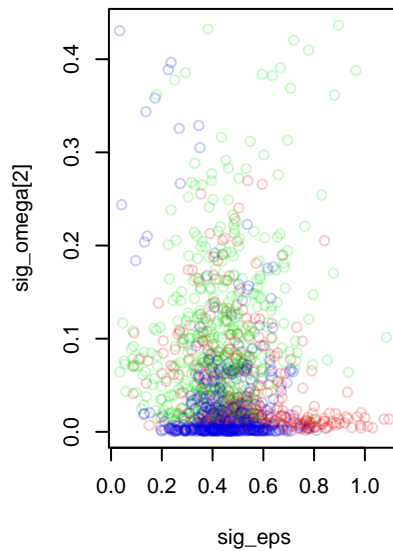
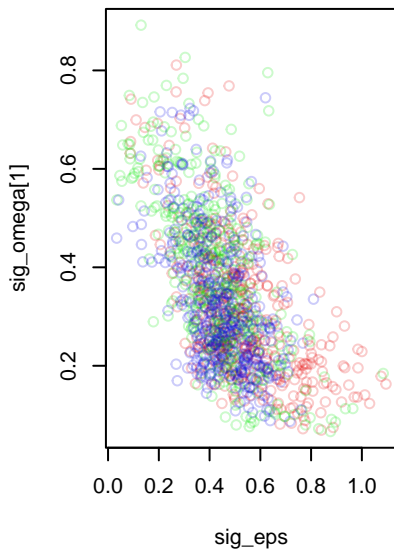
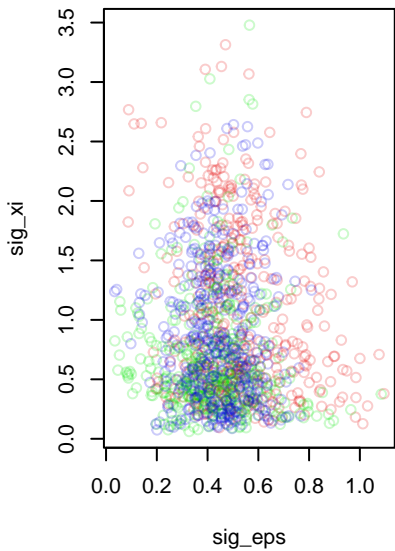


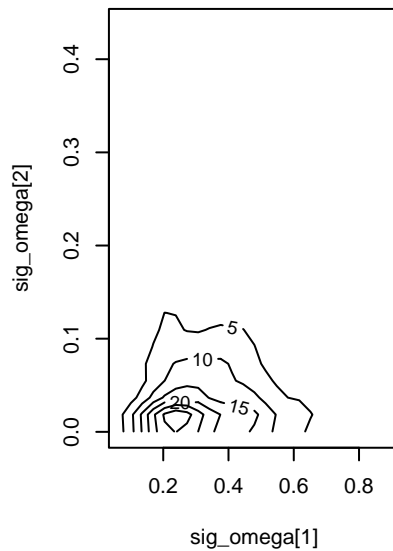
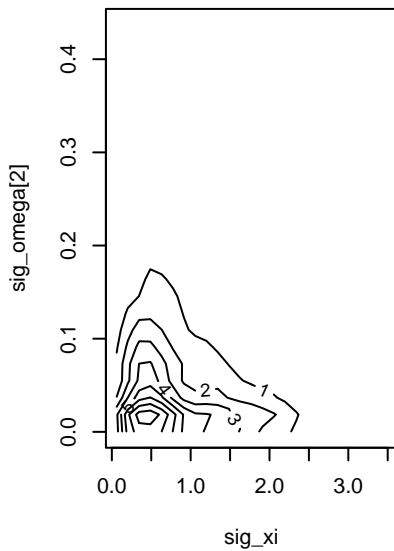
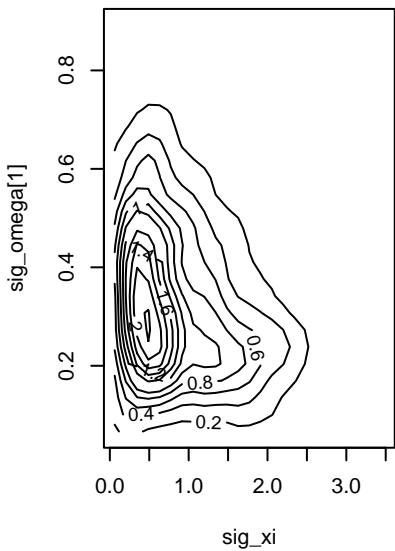
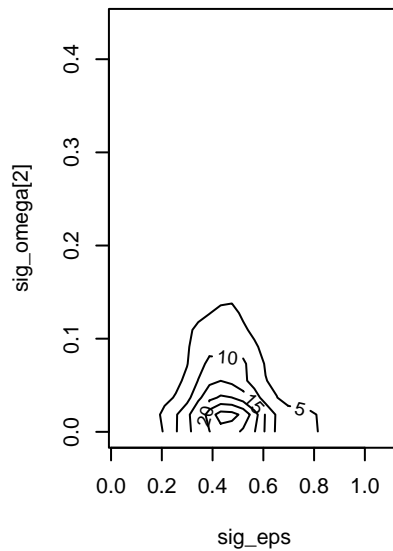
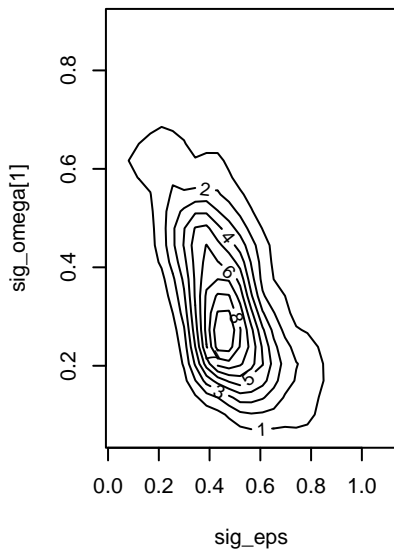
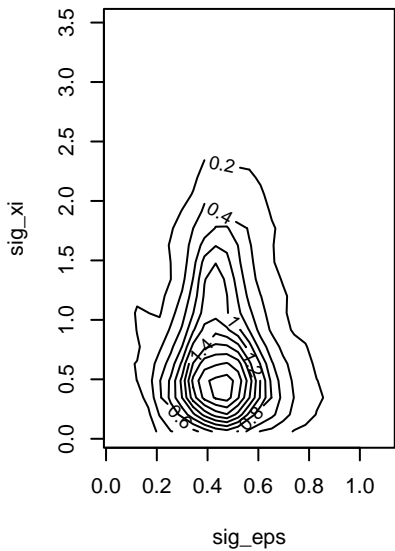


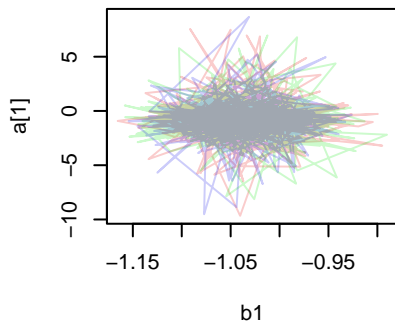
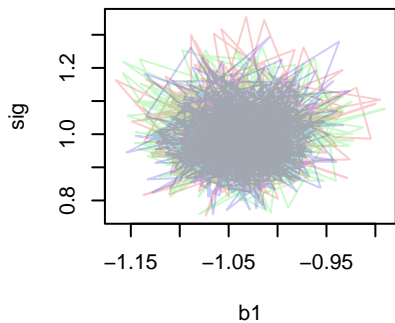
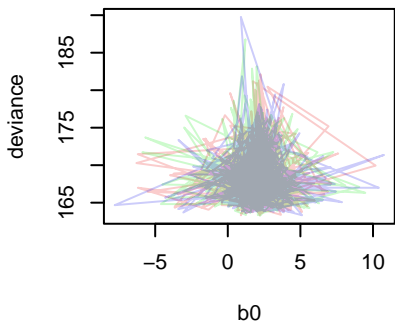
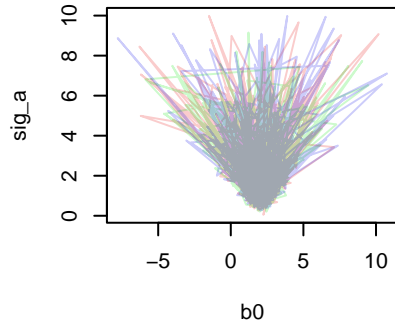
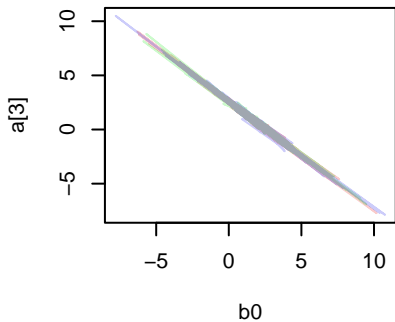
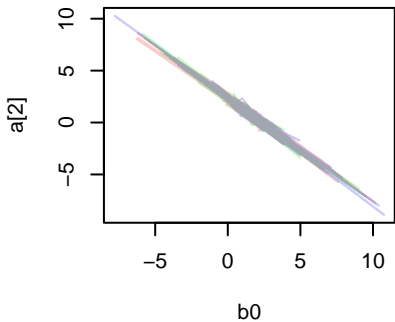
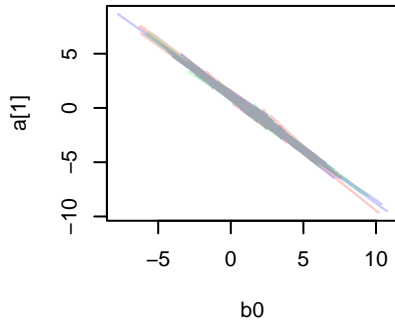
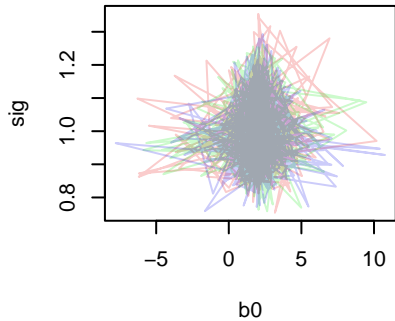
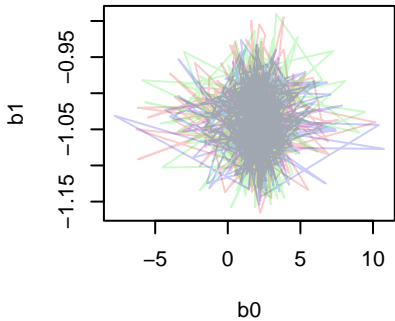


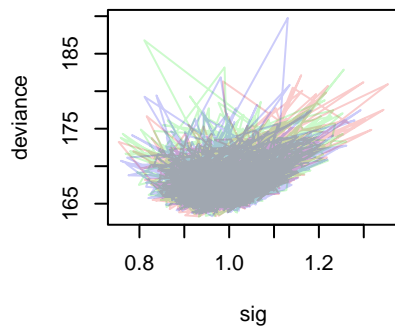
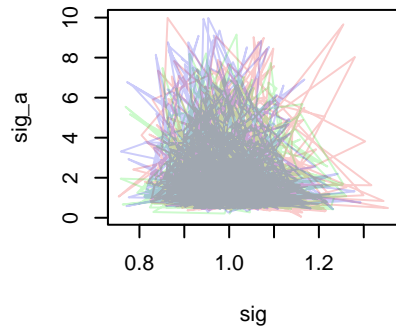
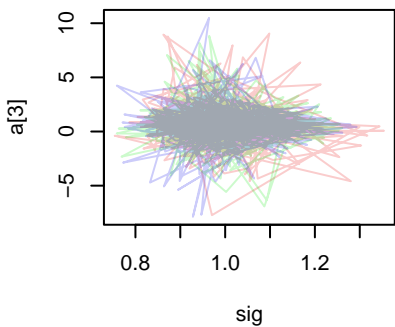
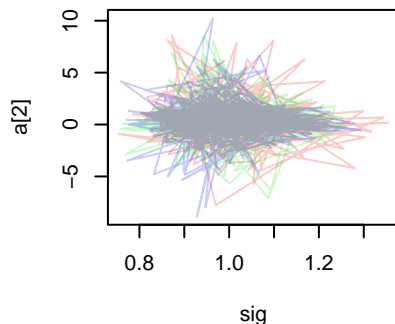
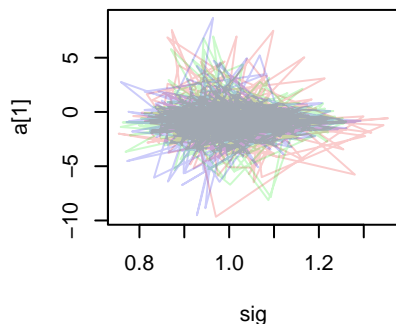
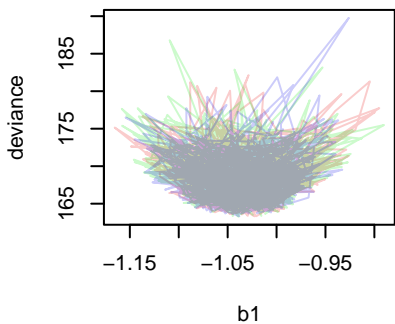
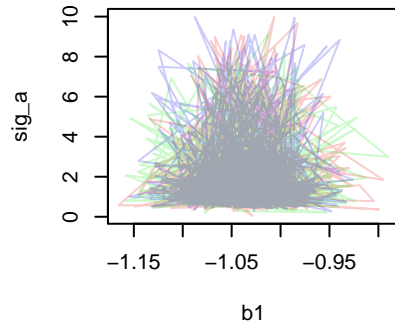
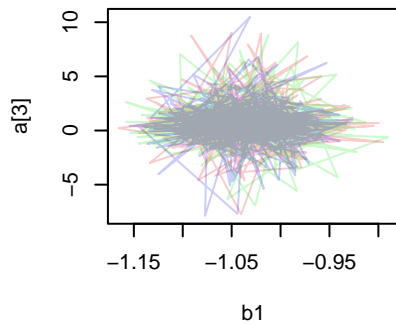
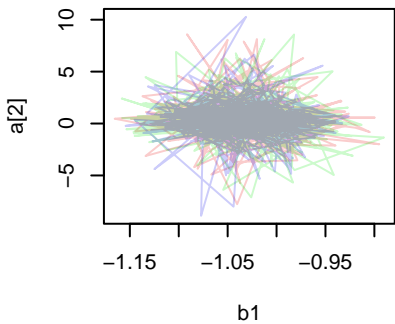


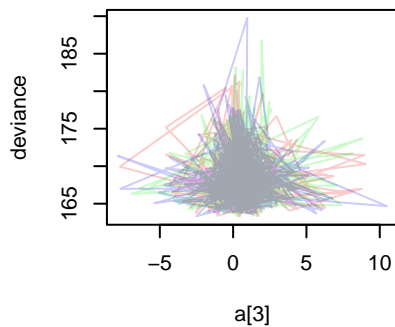
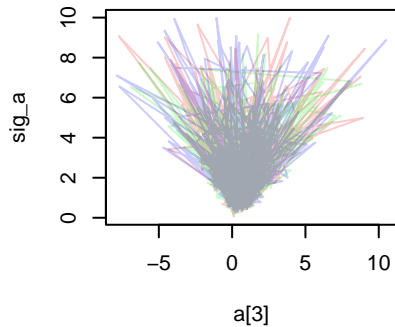
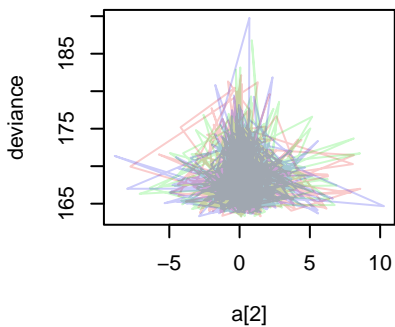
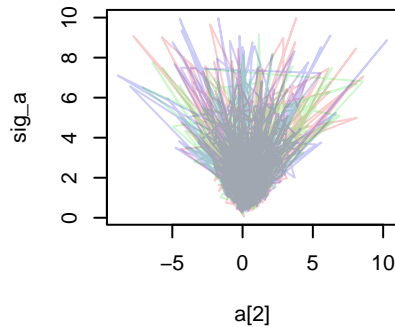
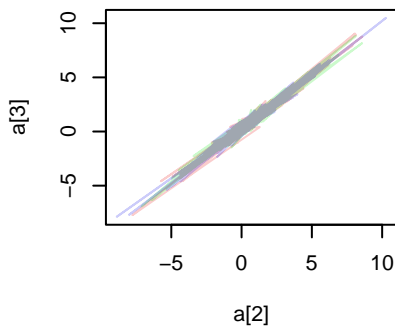
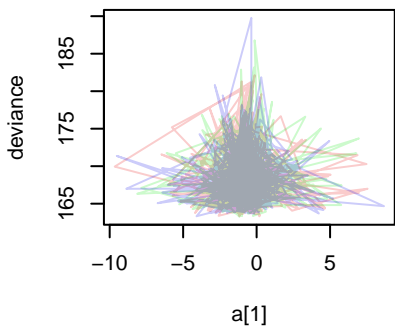
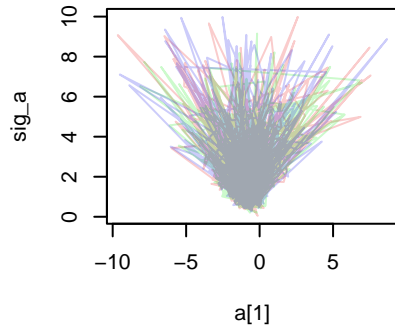
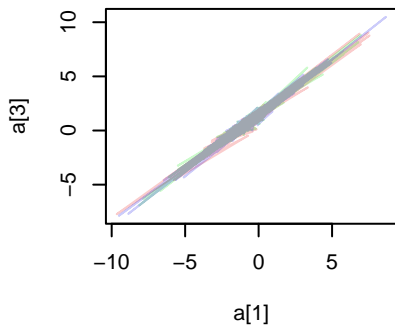
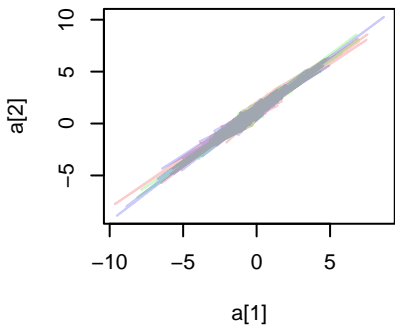


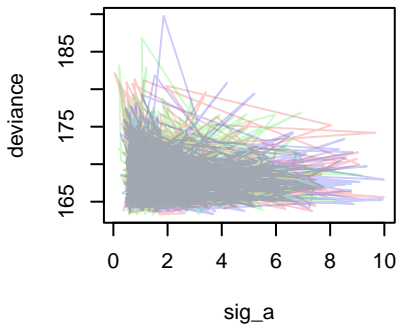




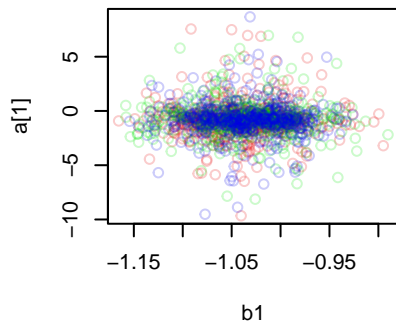
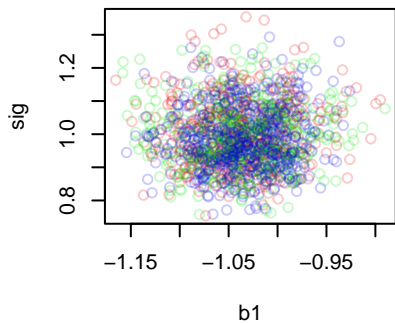
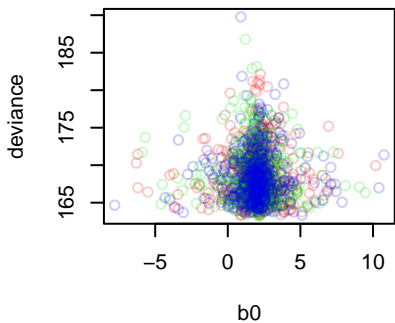
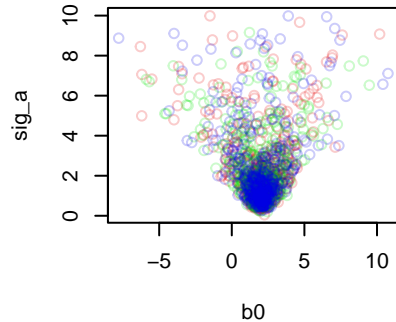
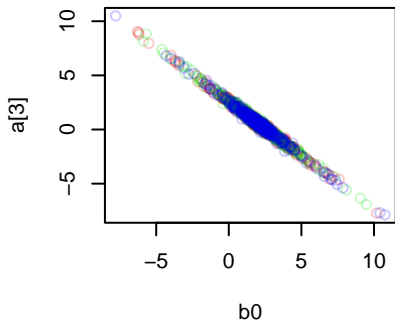
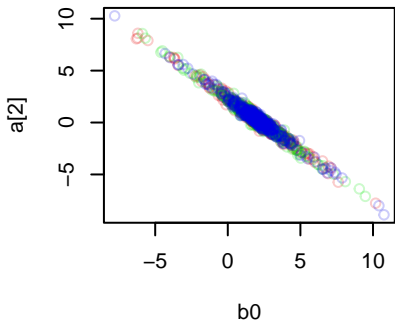
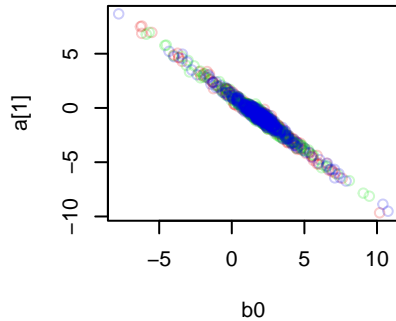
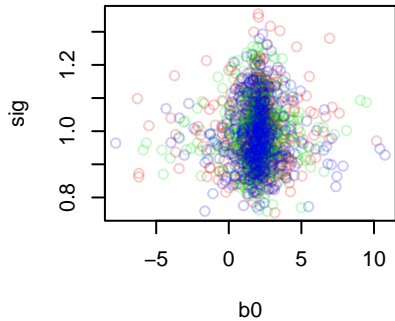
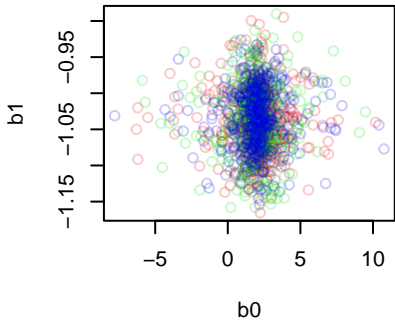


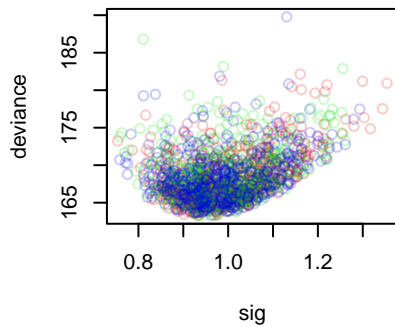
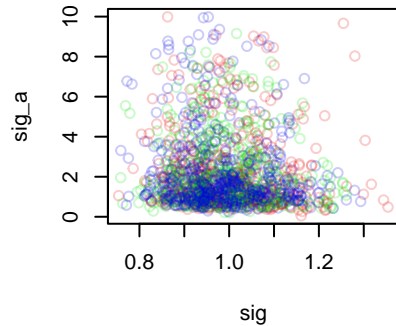
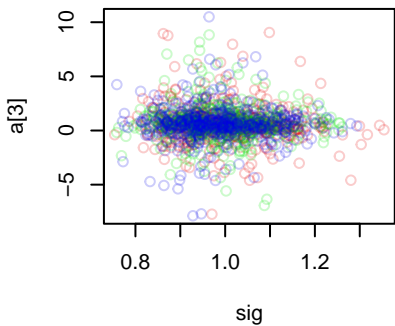
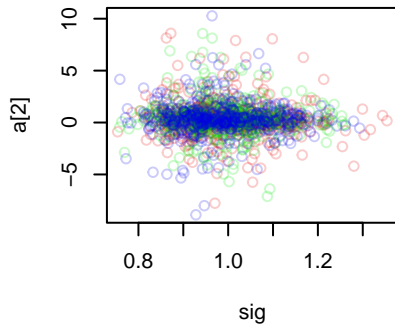
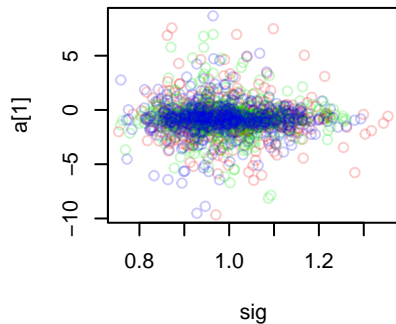
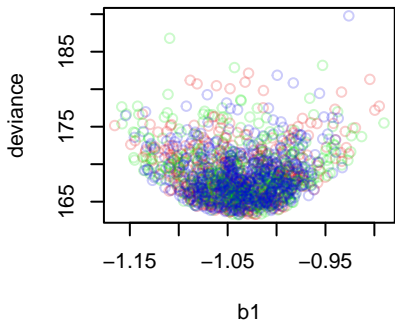
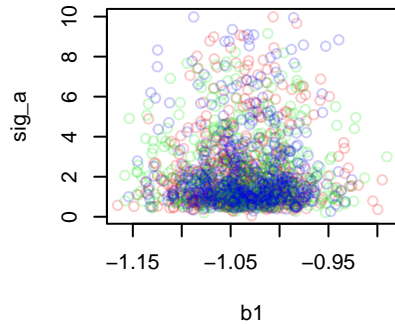
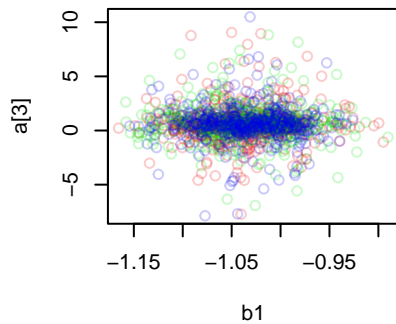
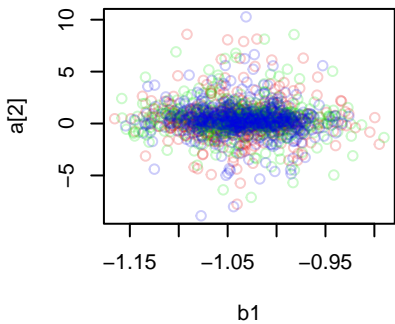


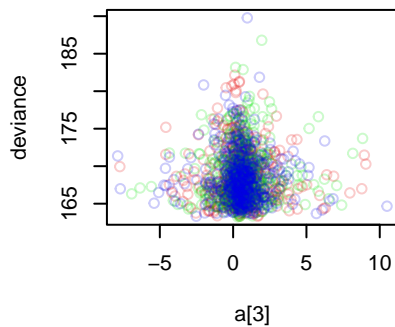
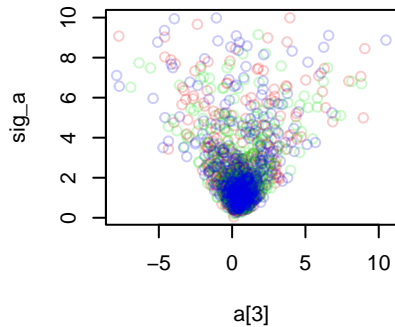
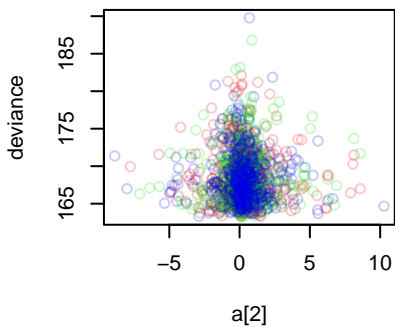
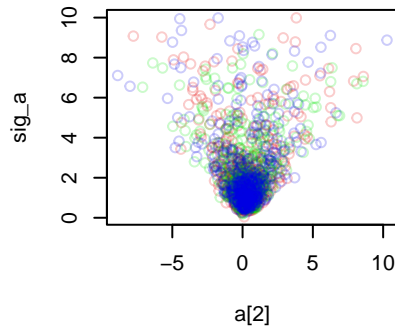
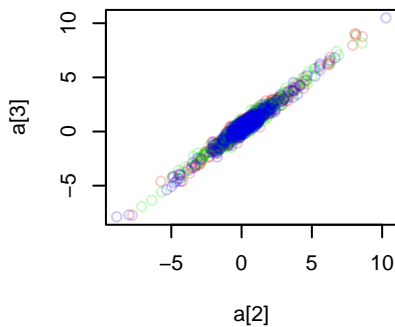
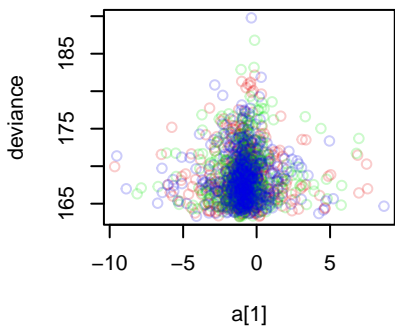
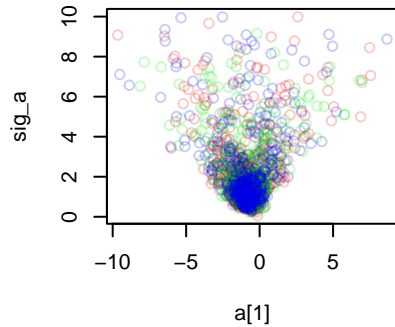
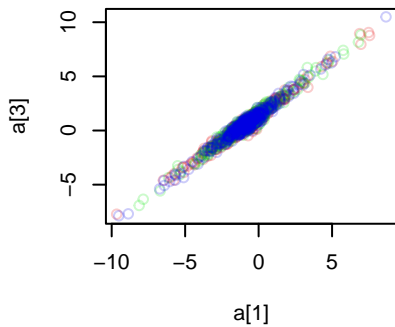
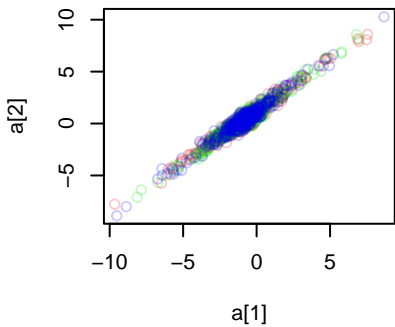


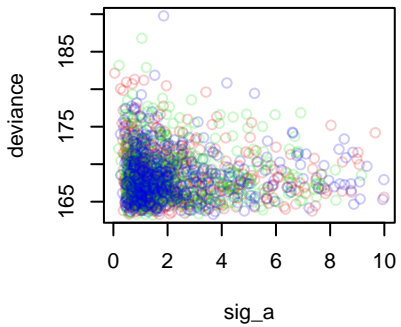


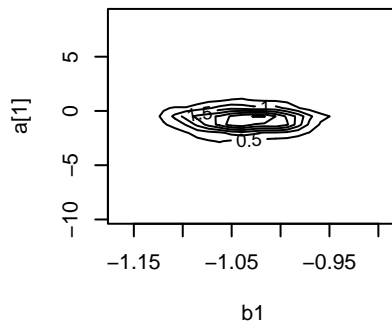
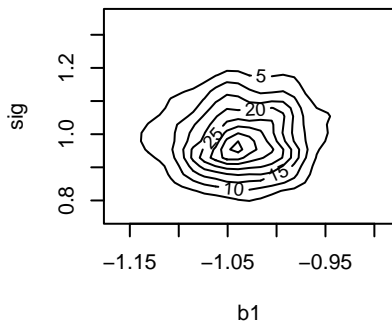
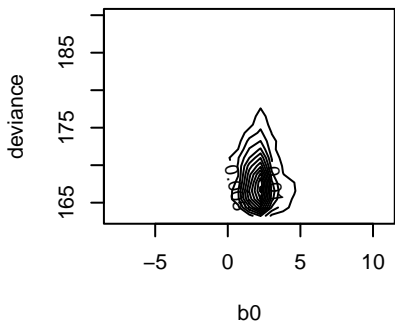
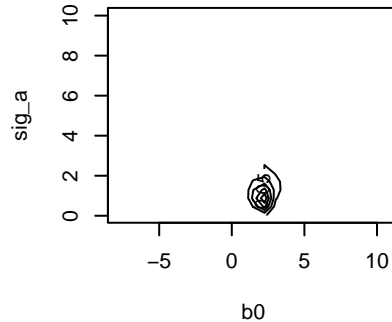
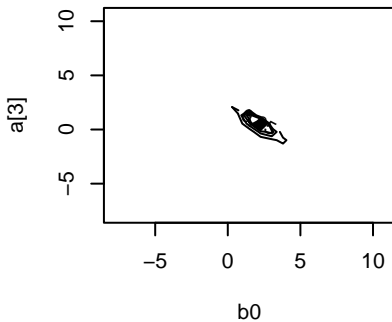
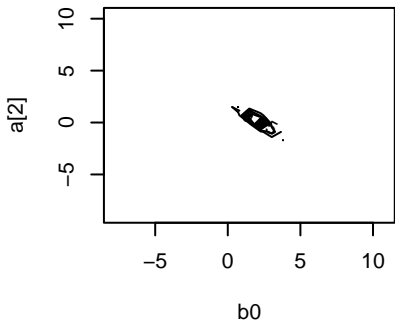
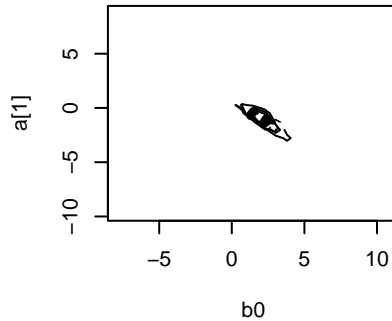
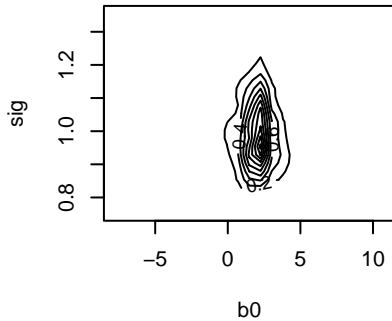
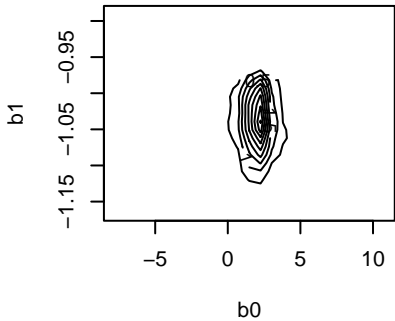


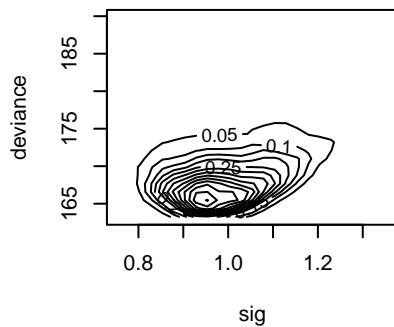
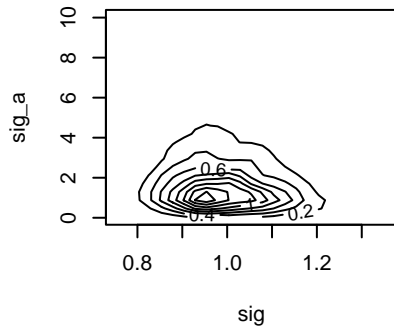
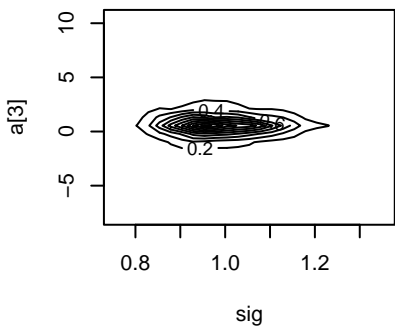
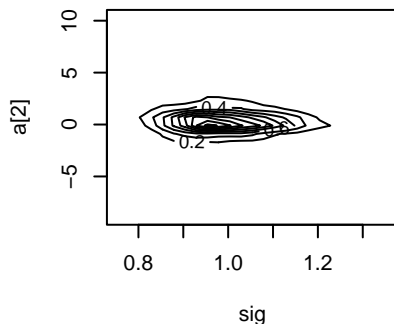
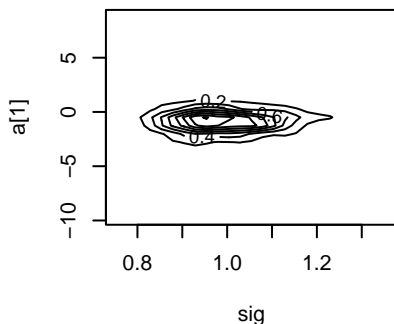
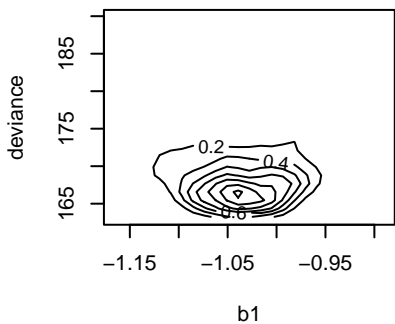
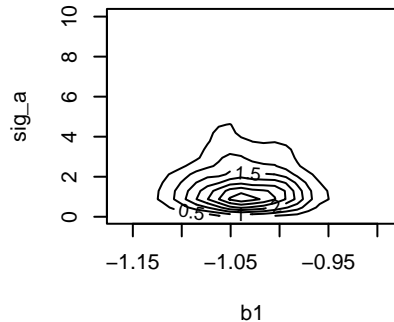
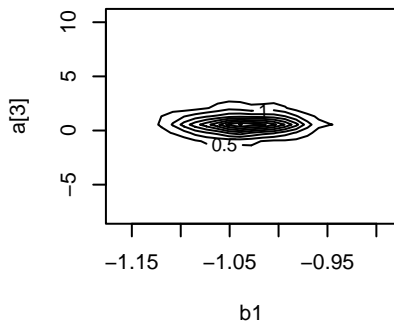
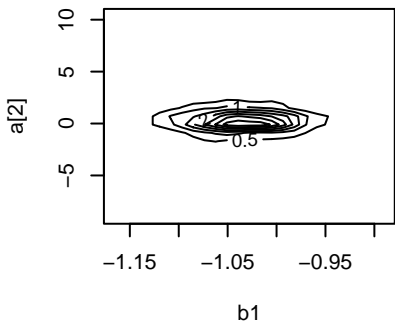


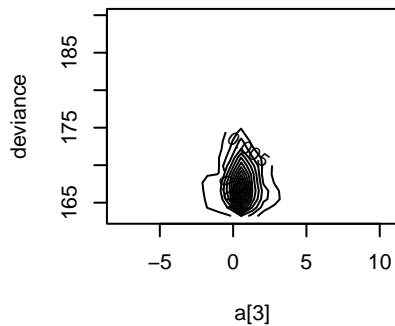
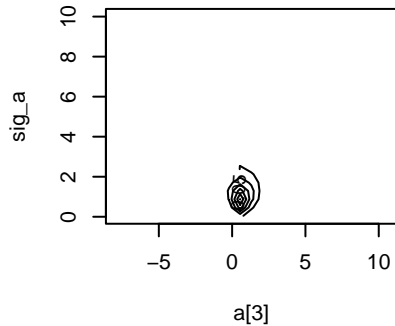
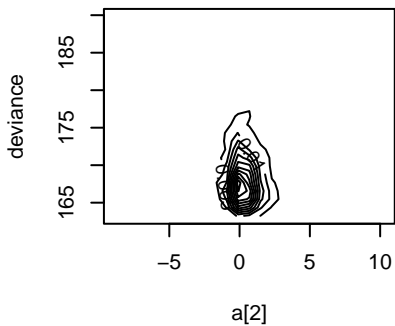
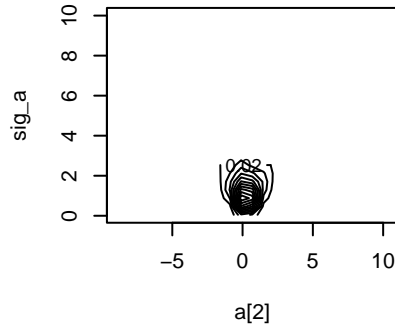
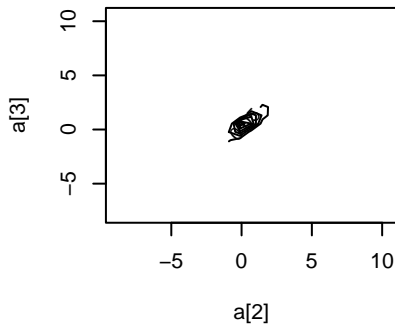
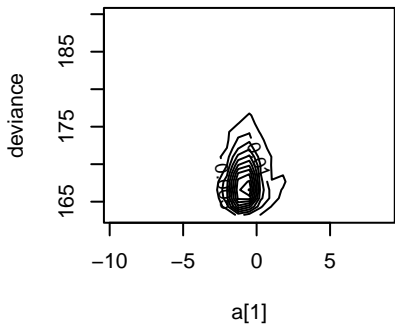
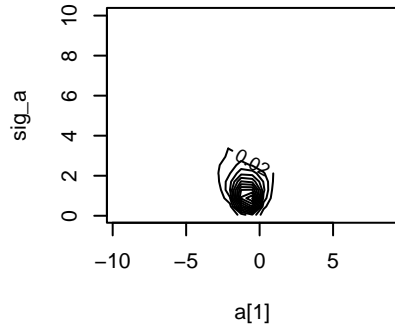
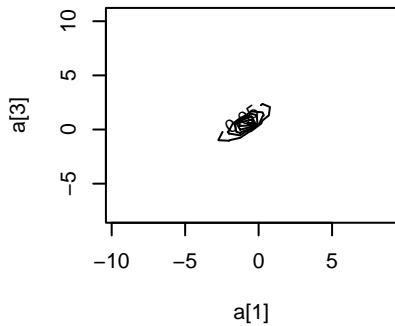
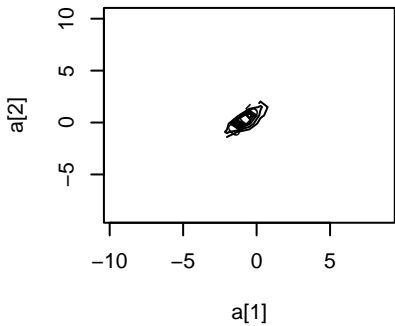


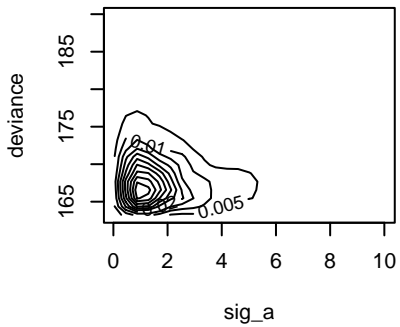




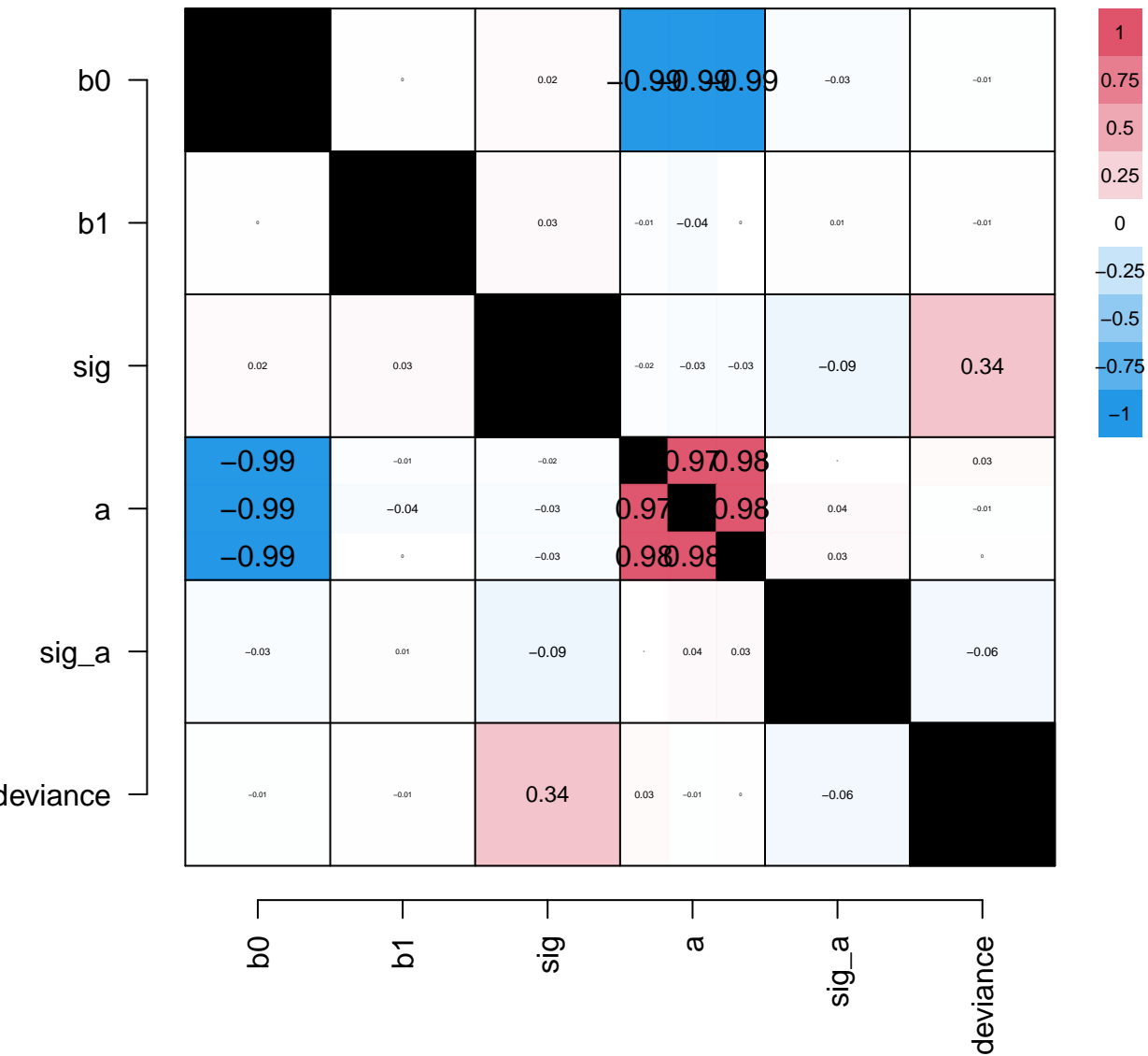


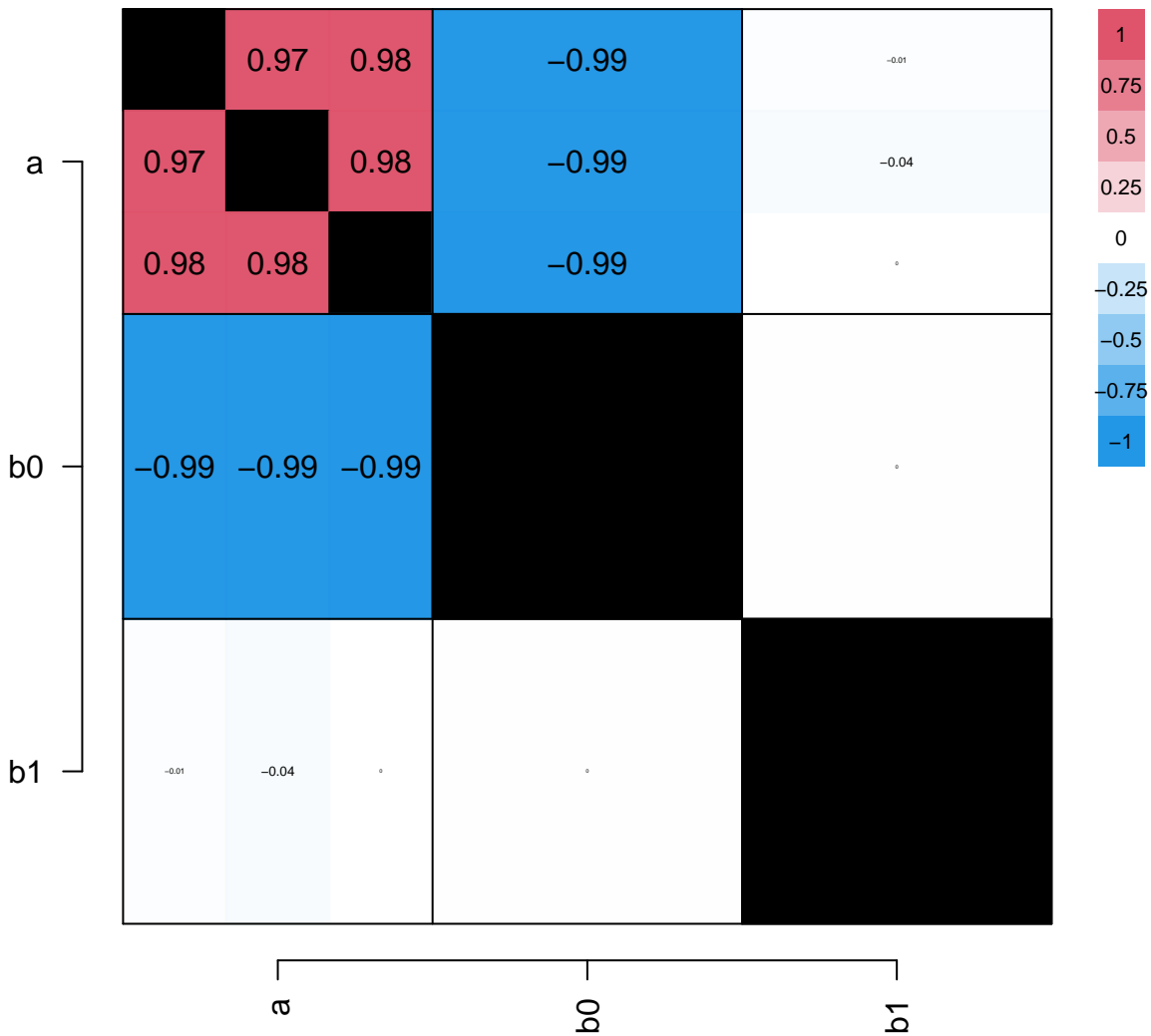


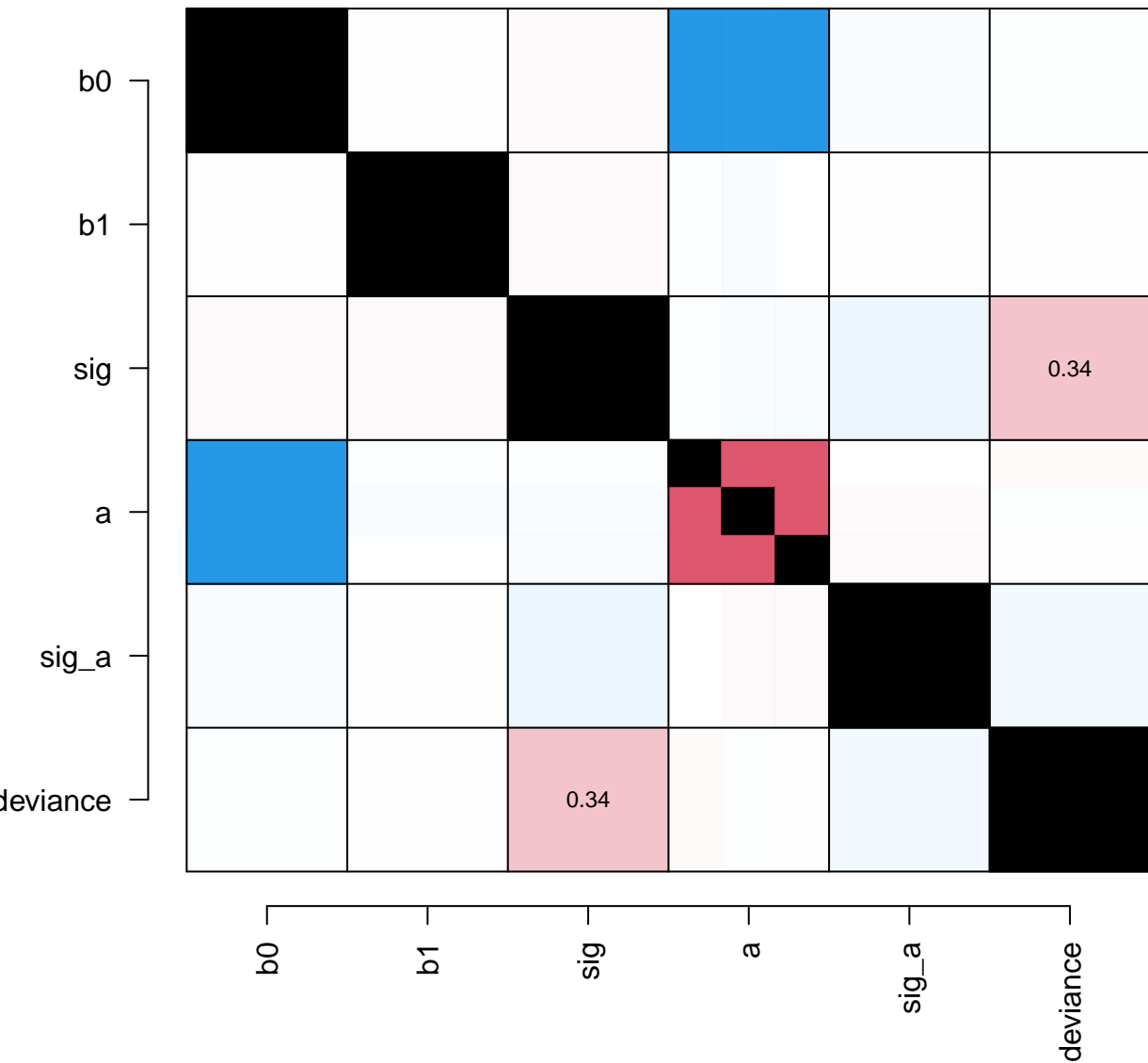




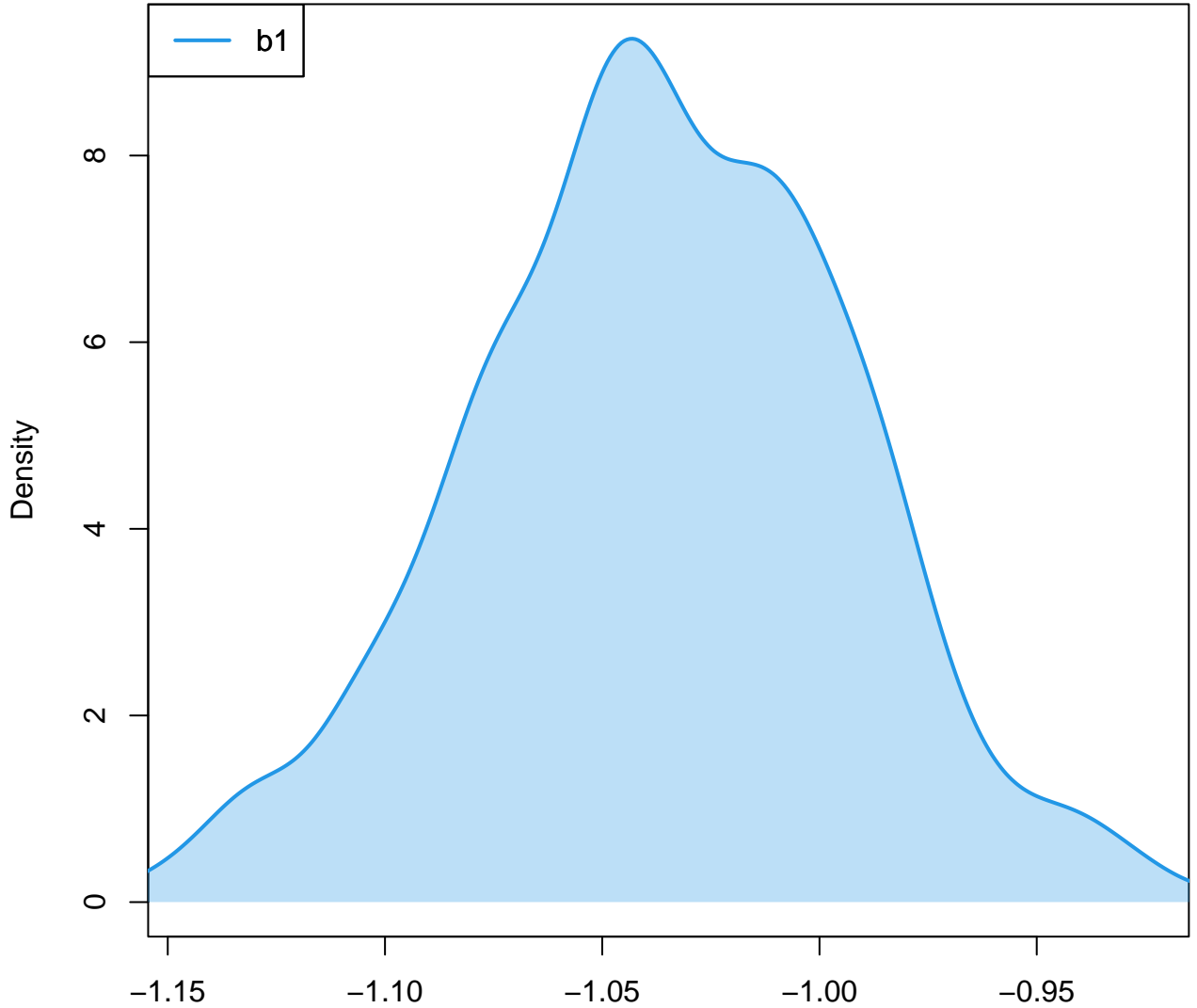




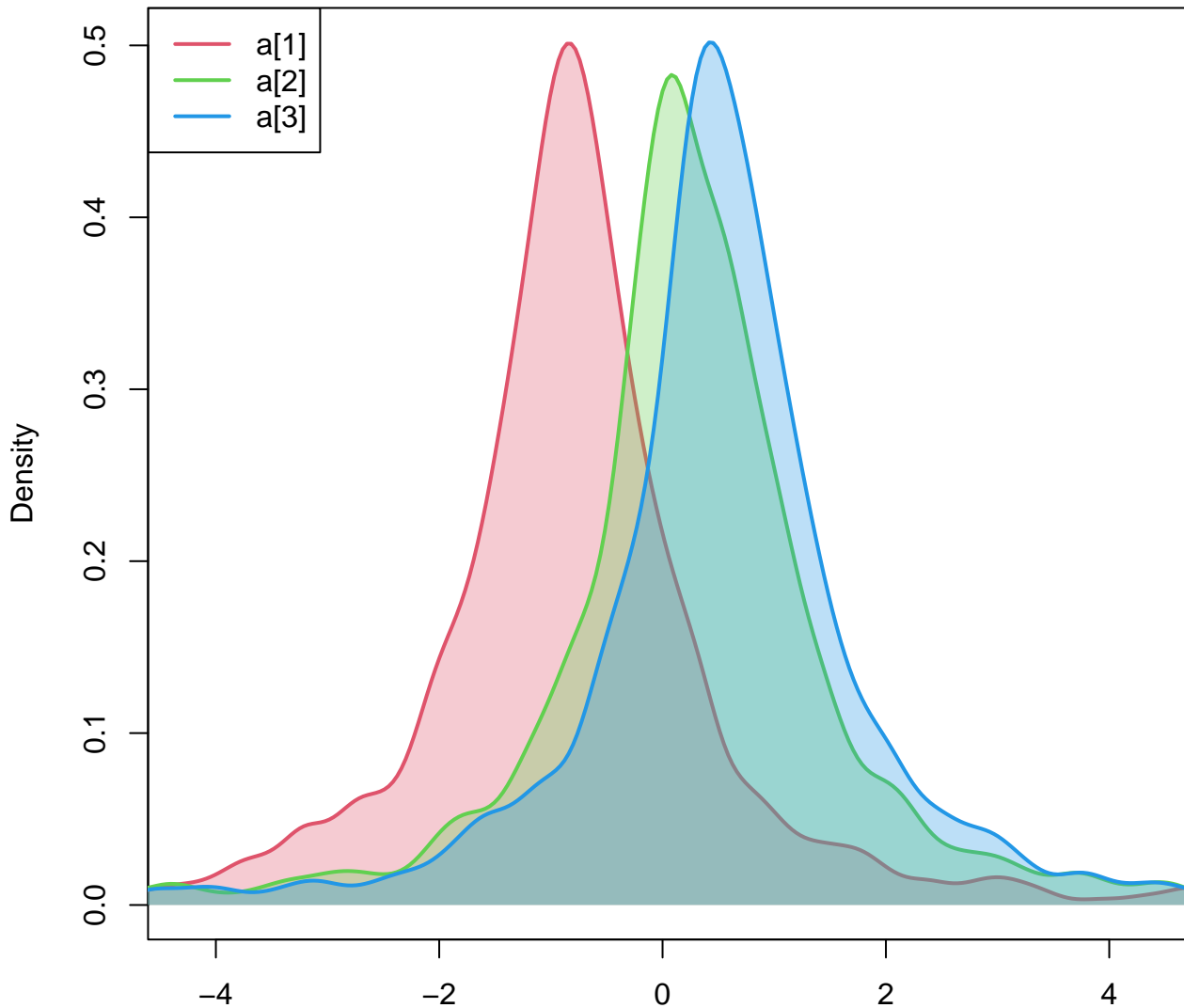


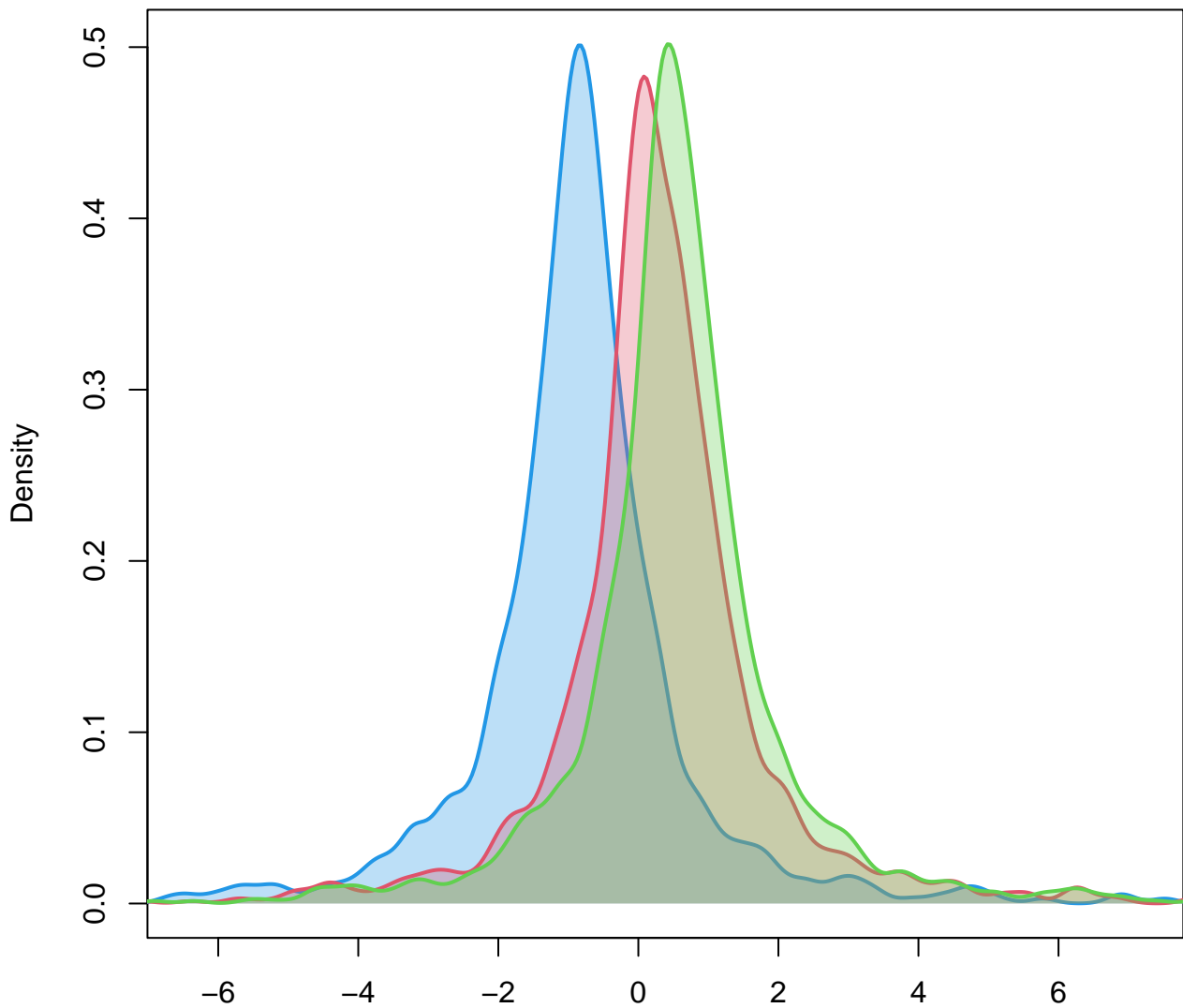


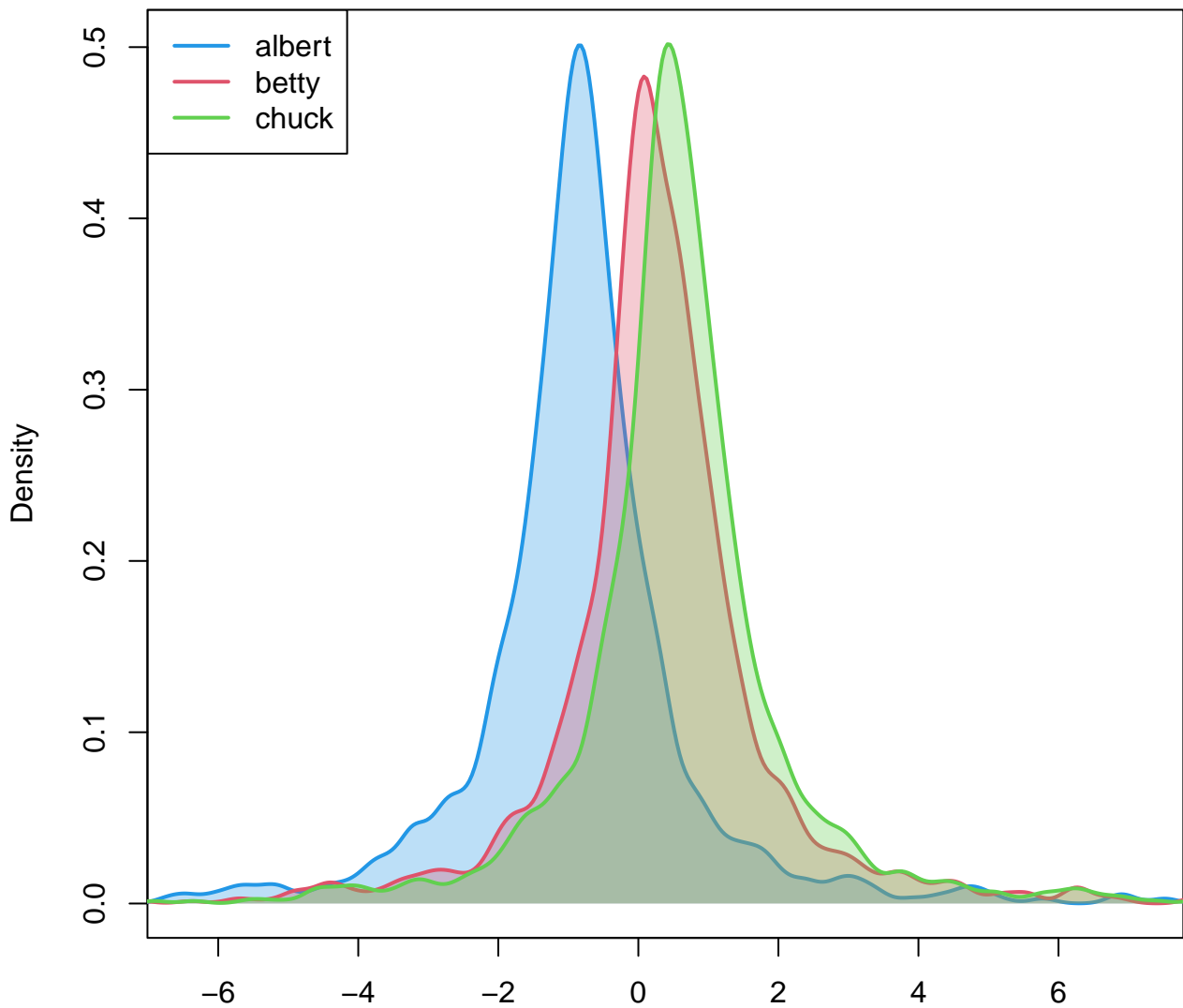
**b1**



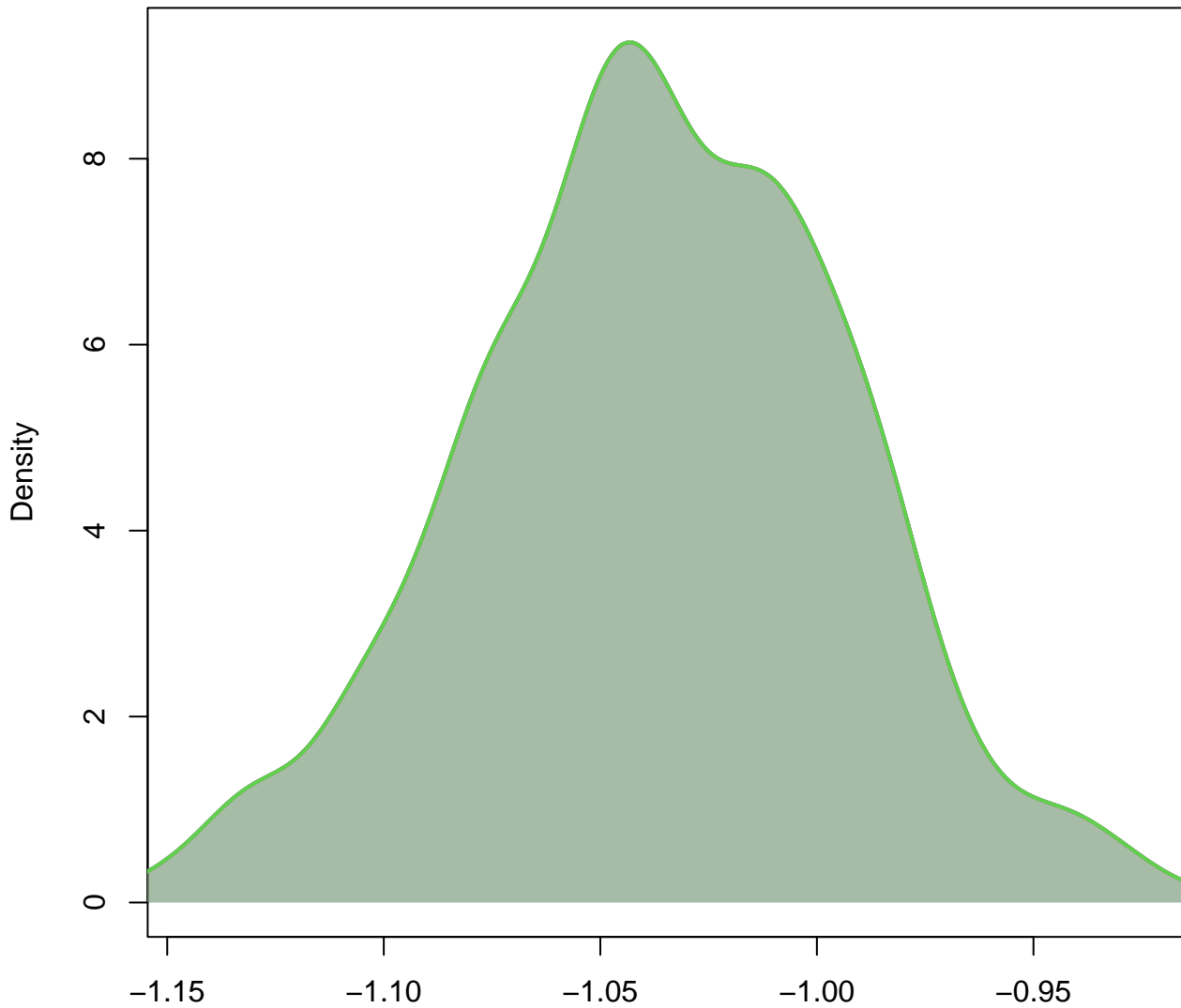
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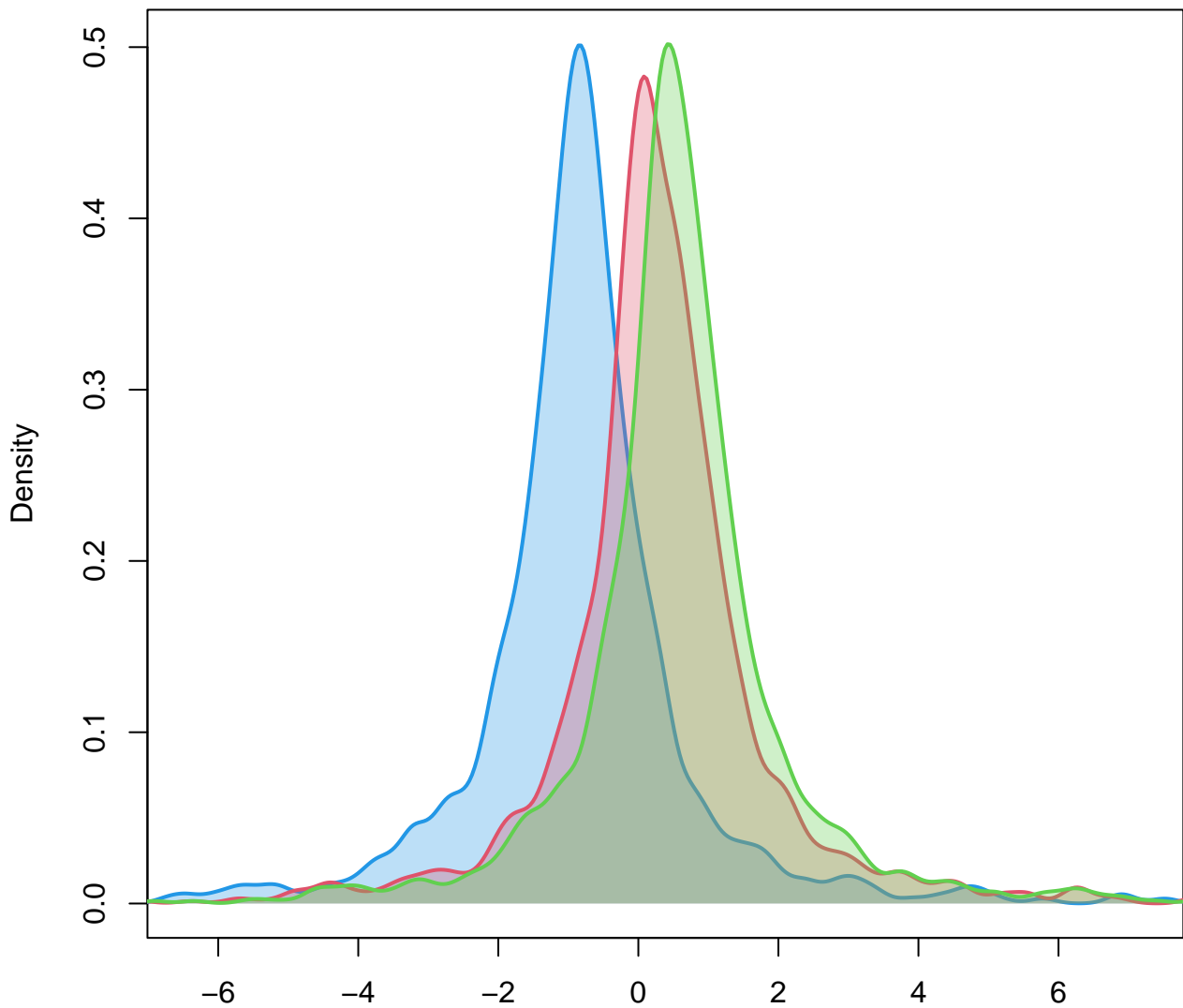


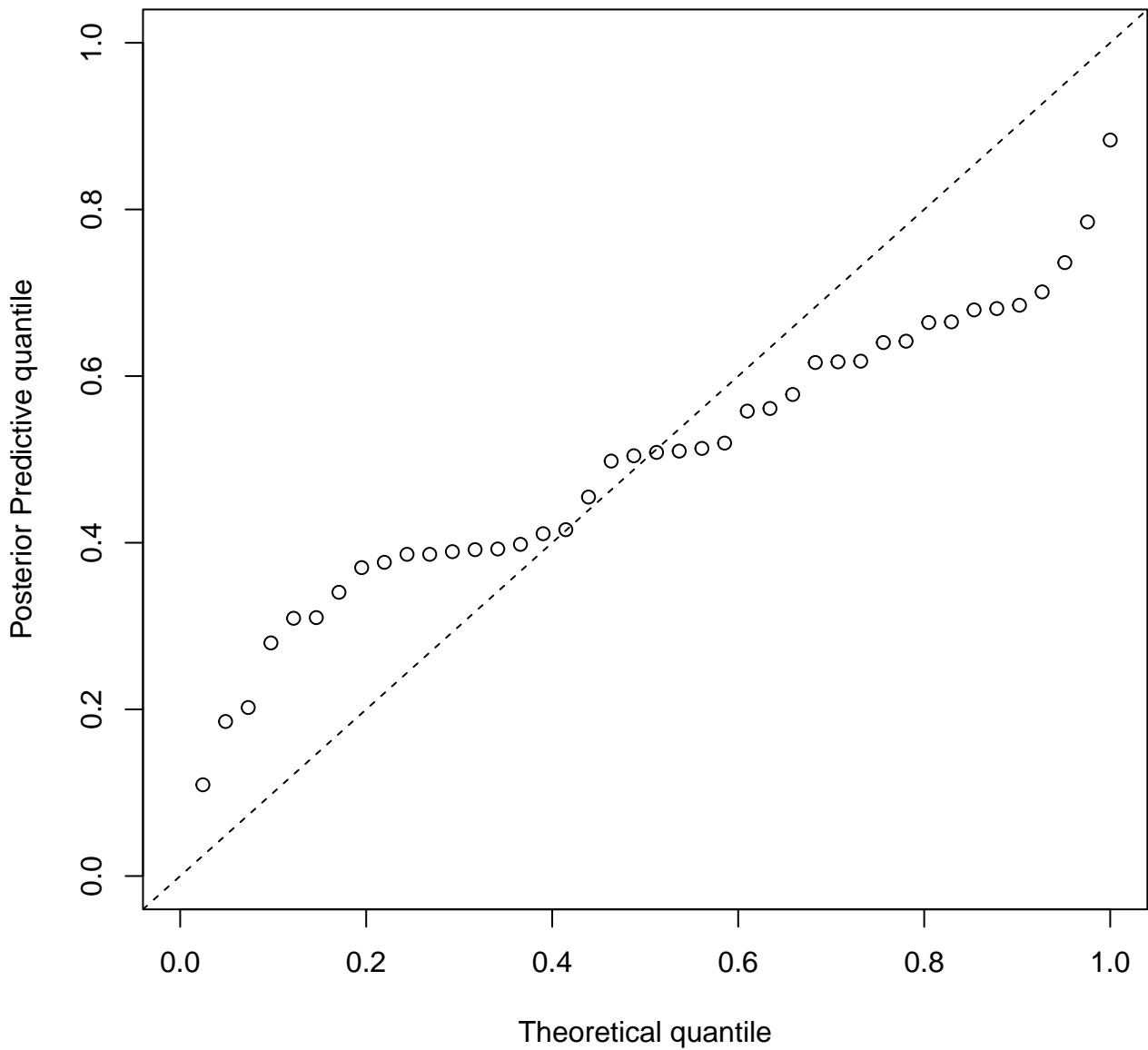


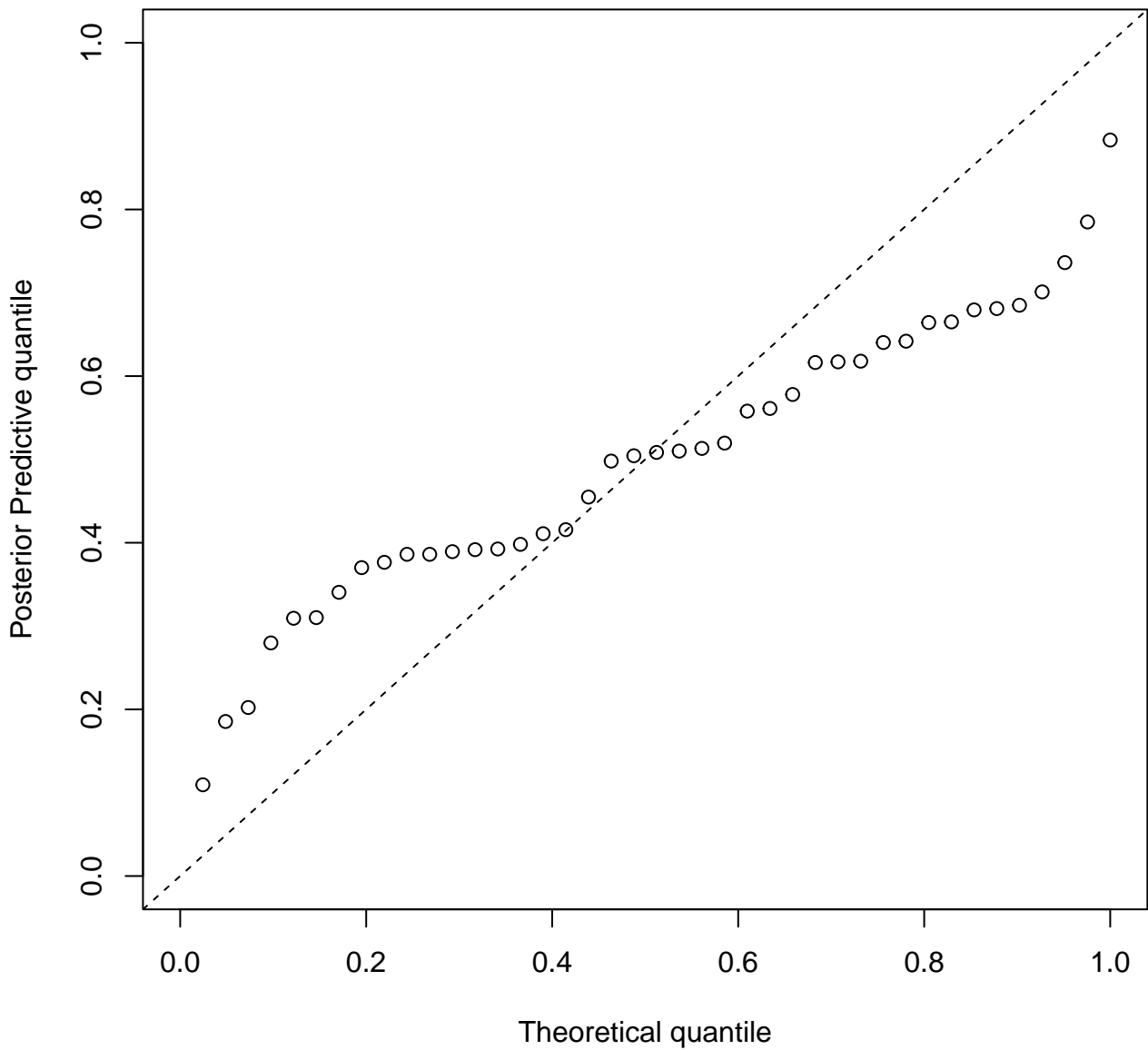
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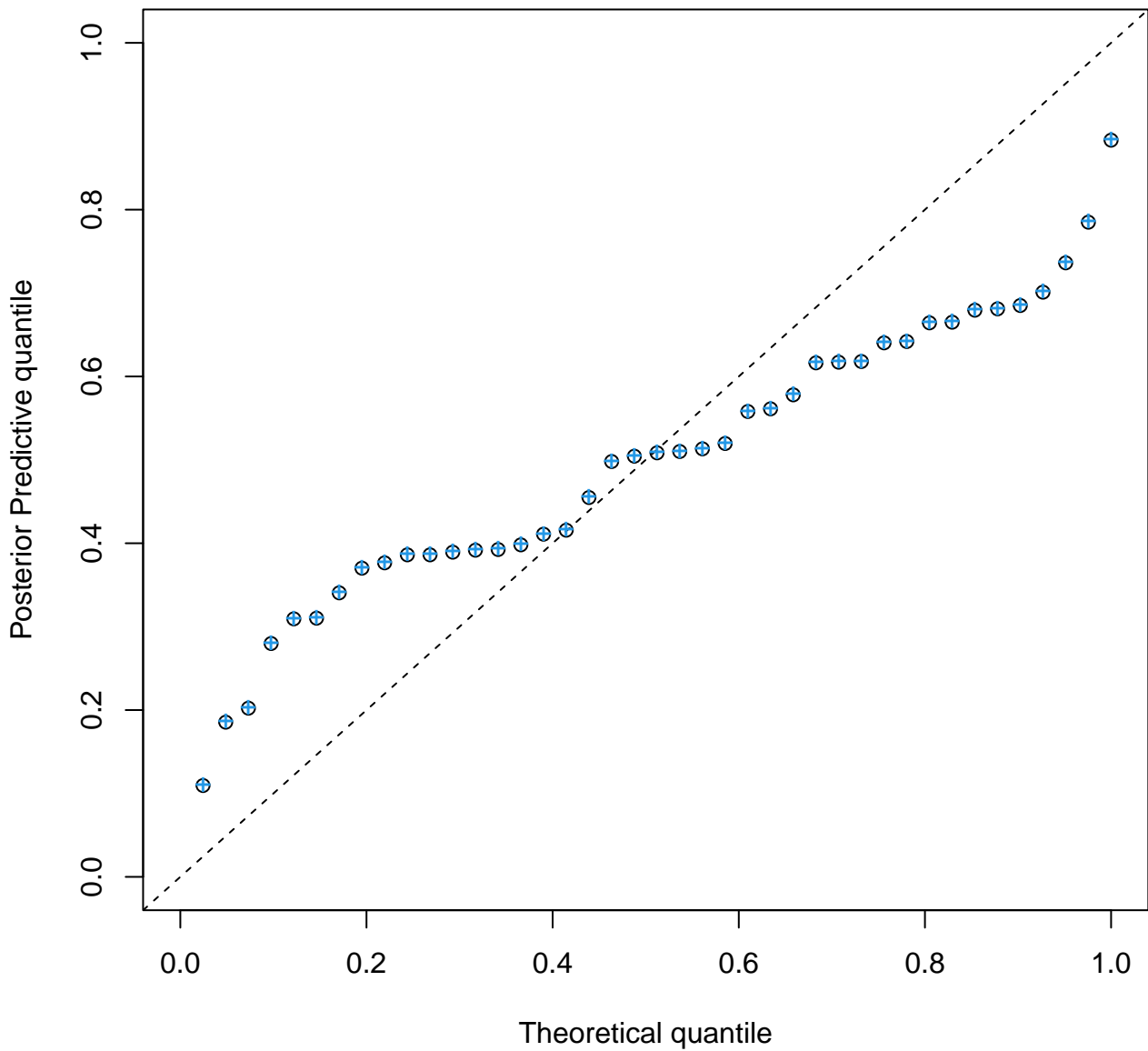




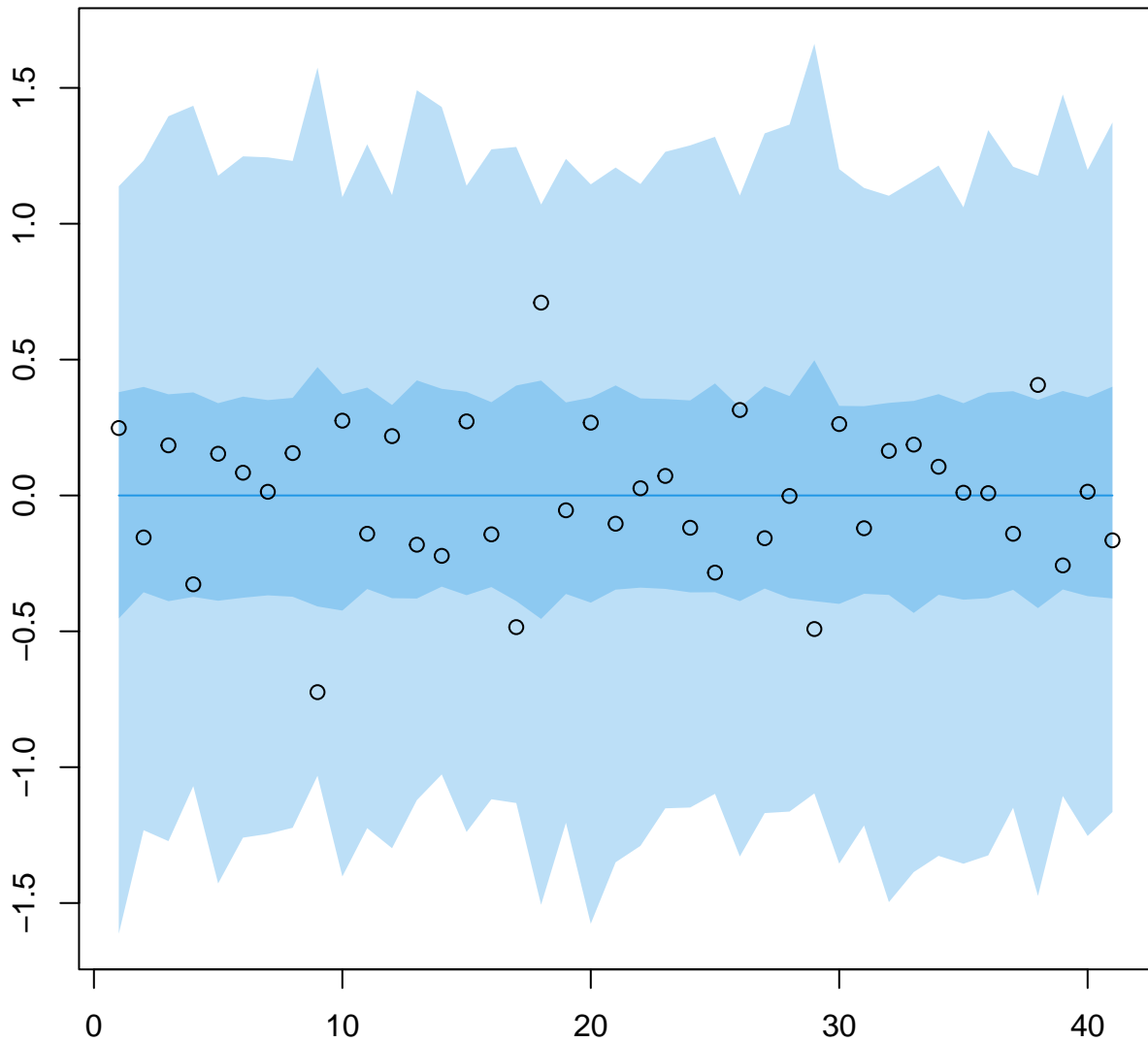


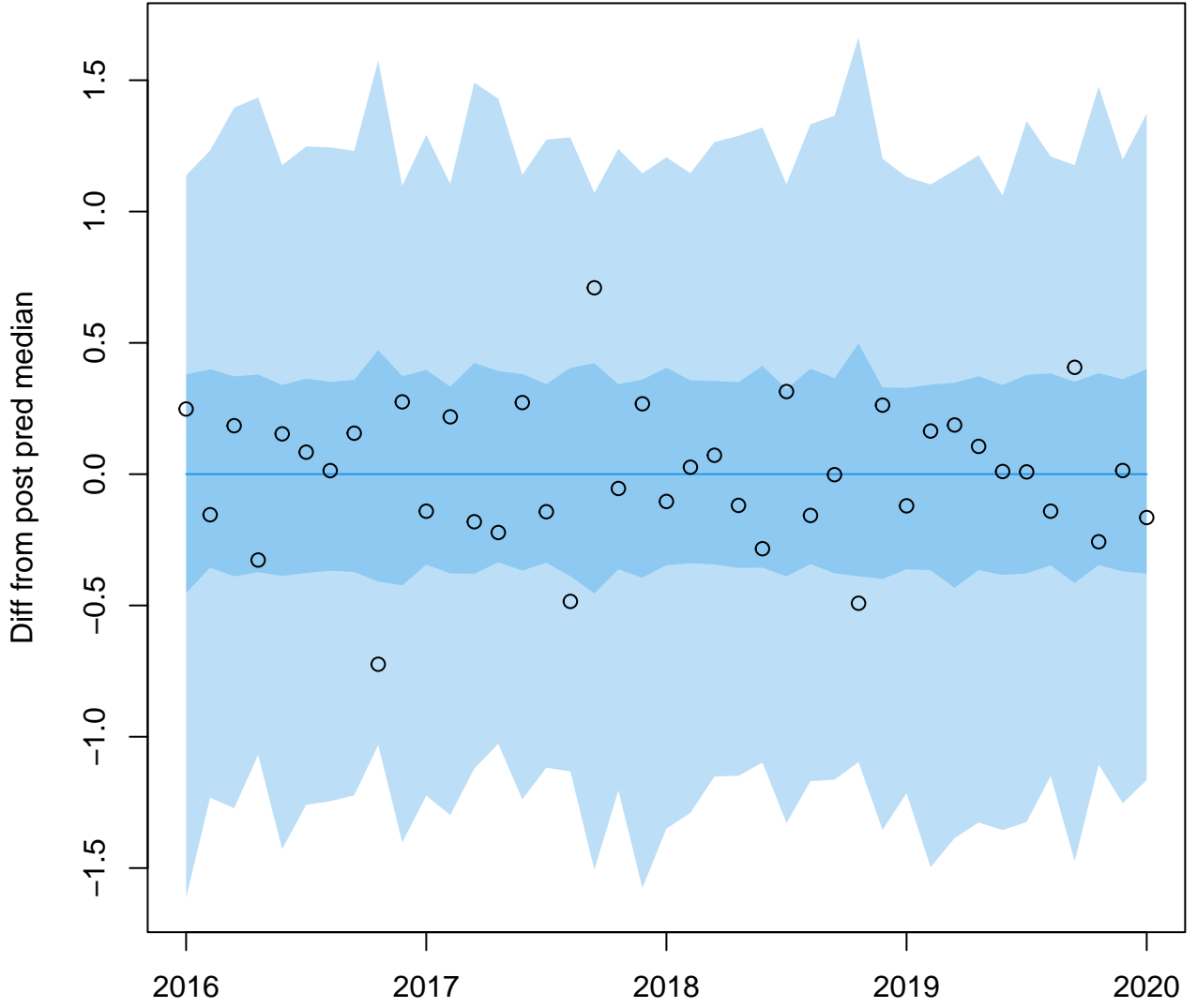


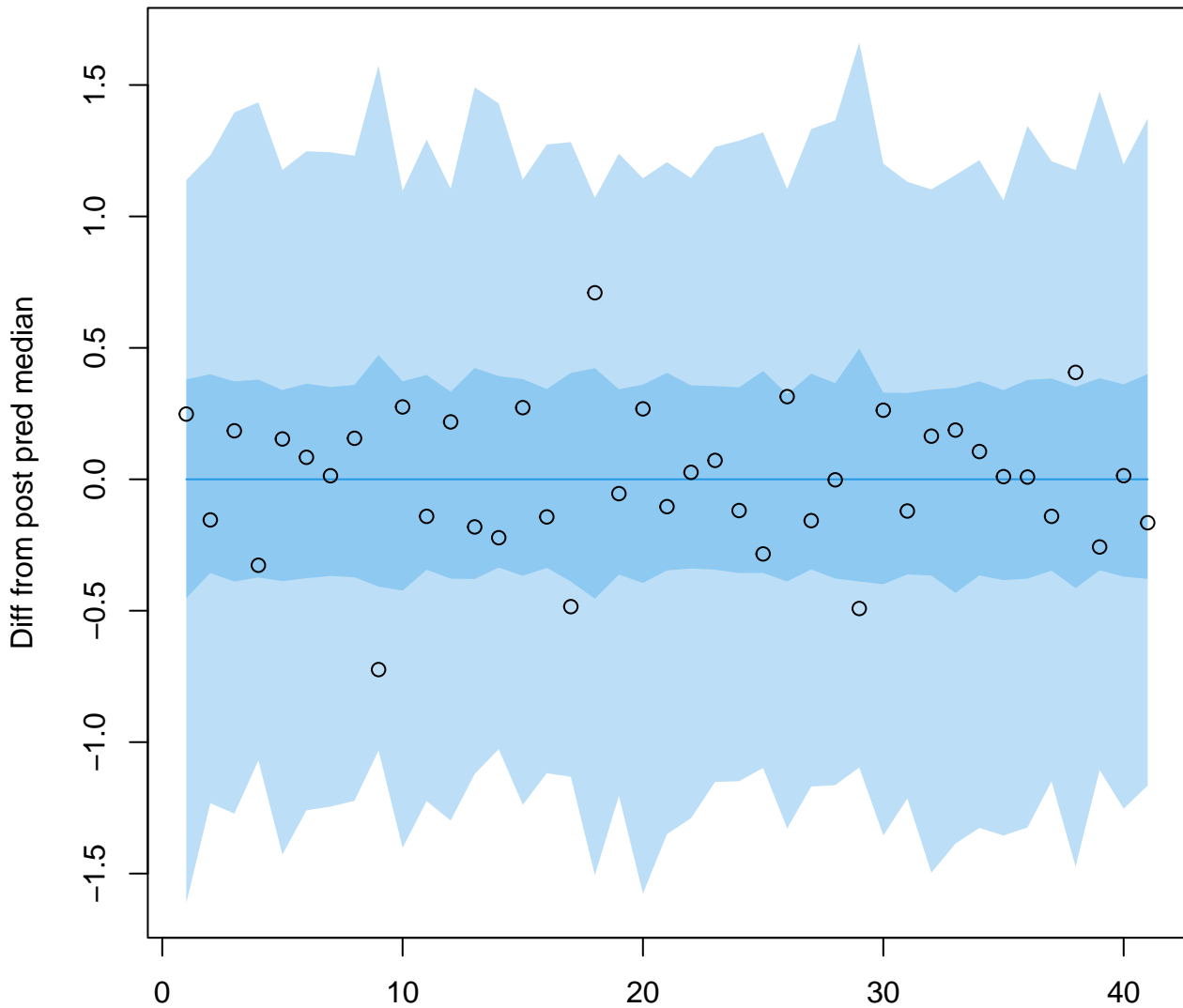


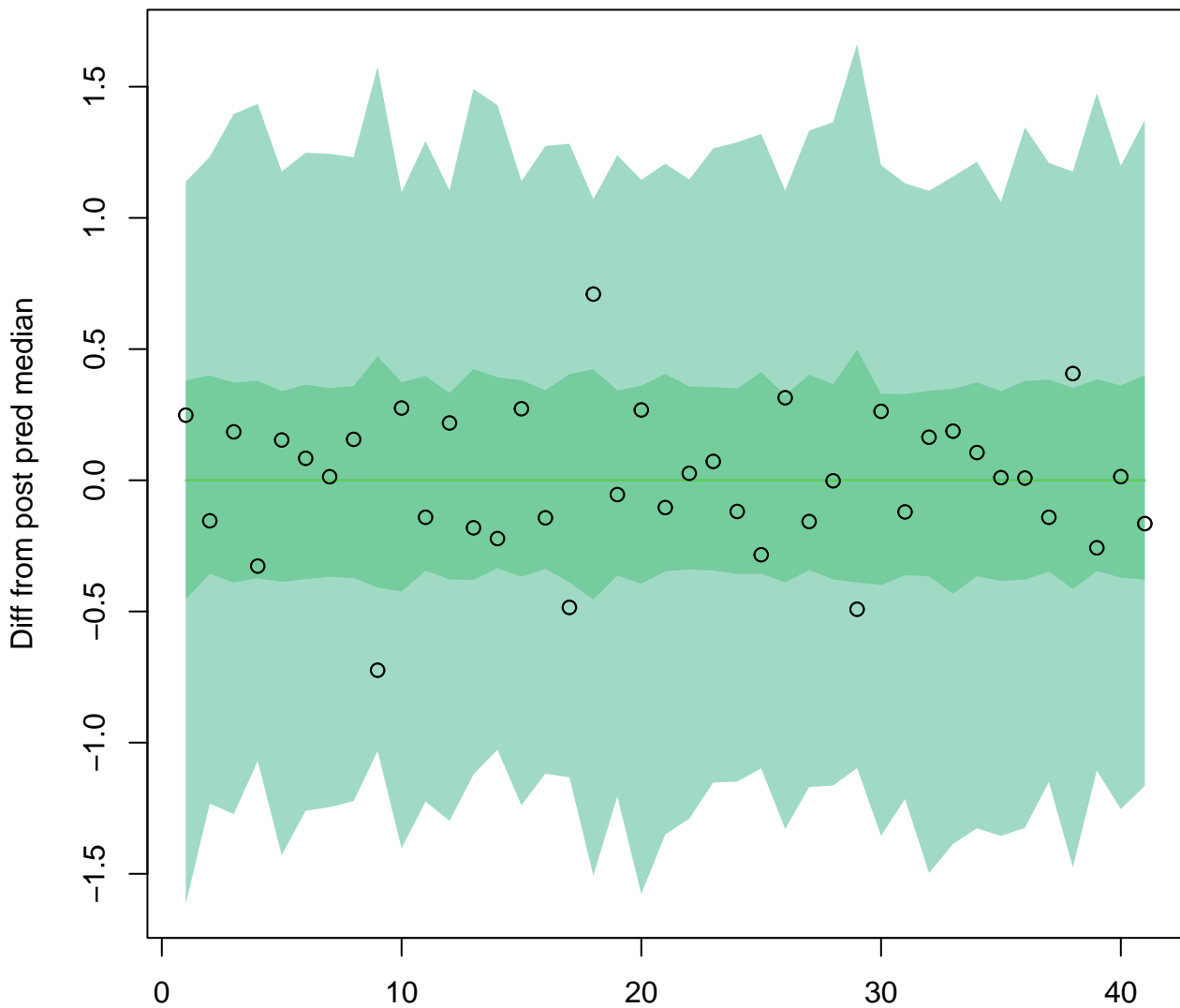


Diff from post pred median



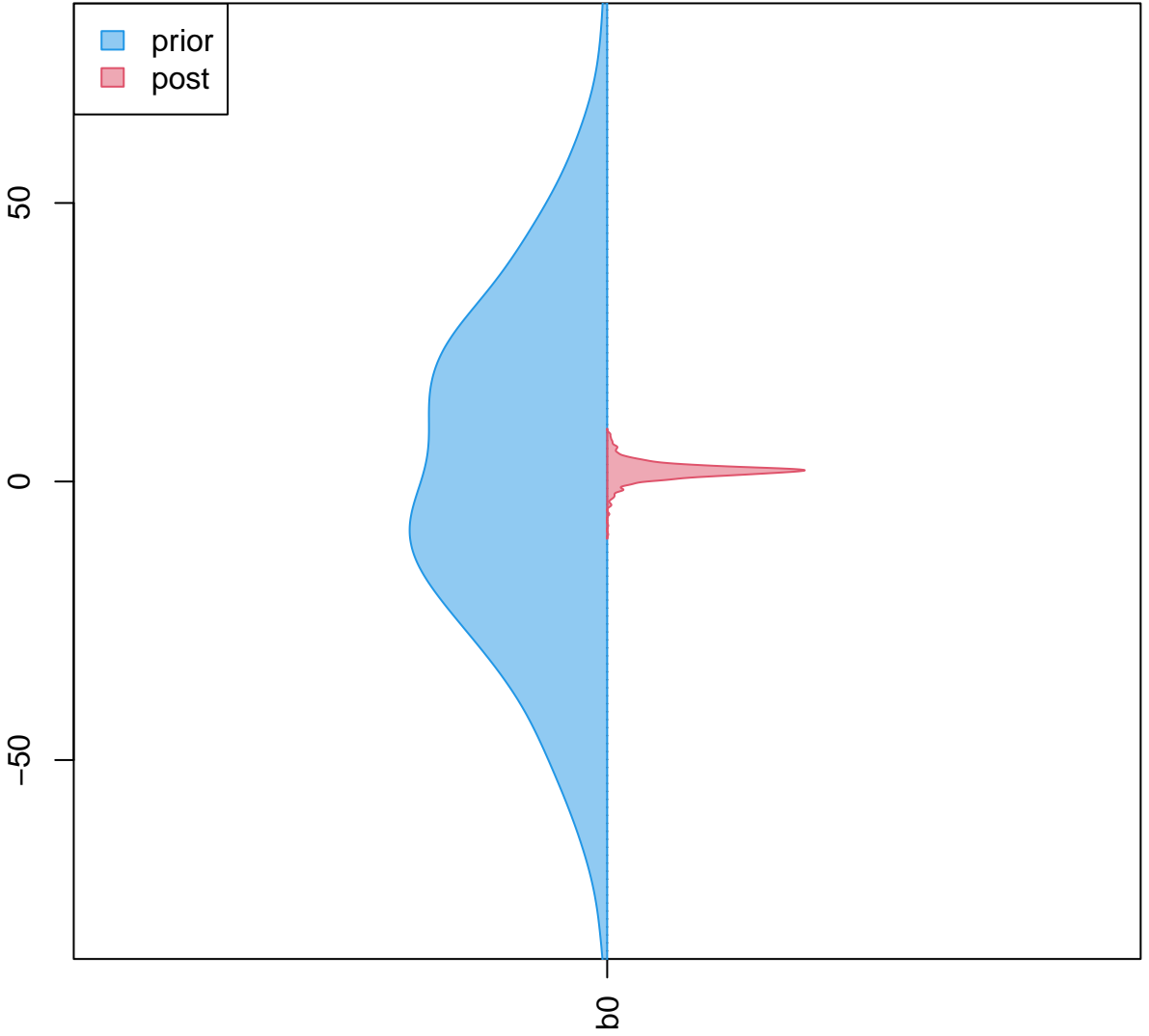




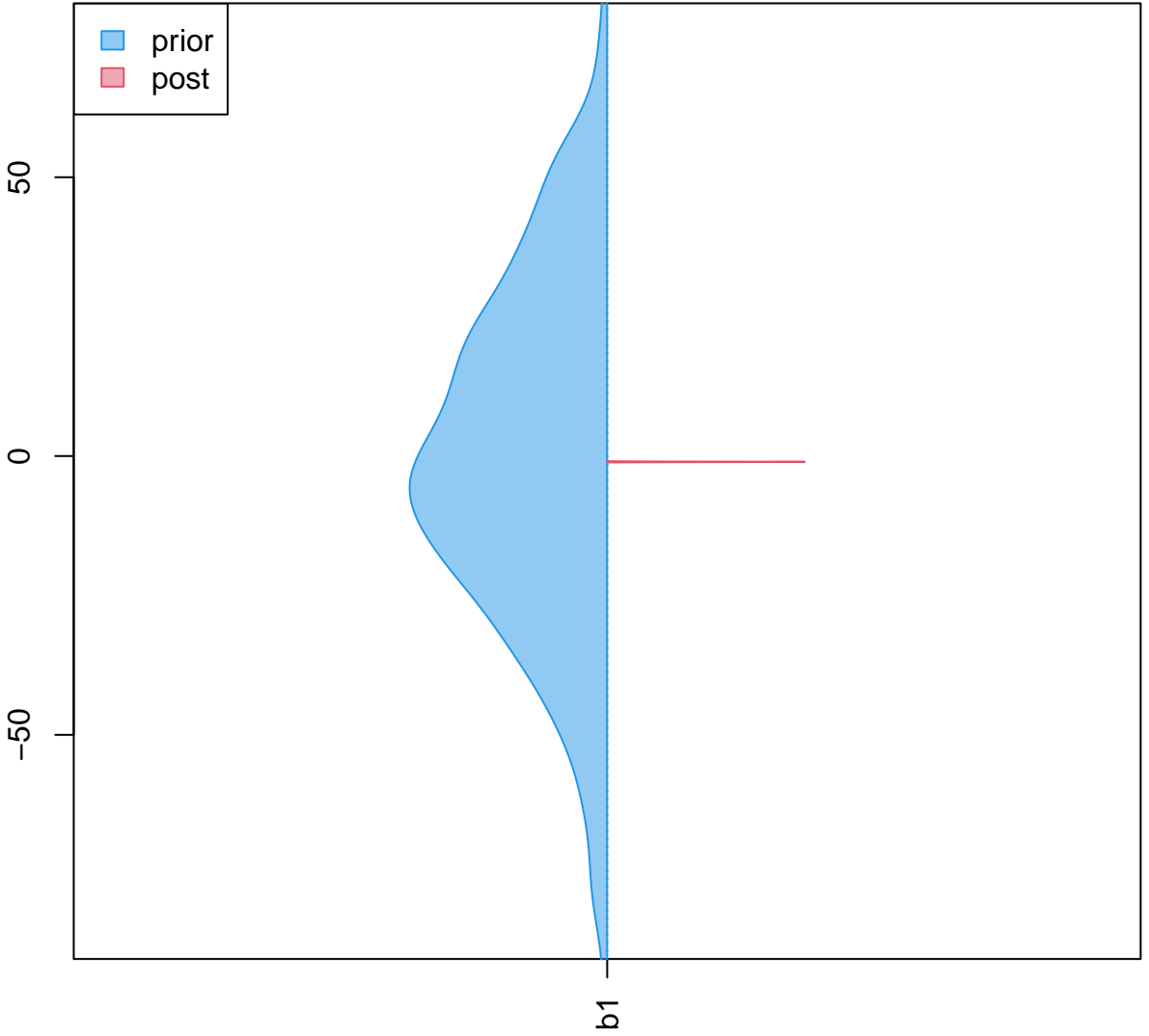




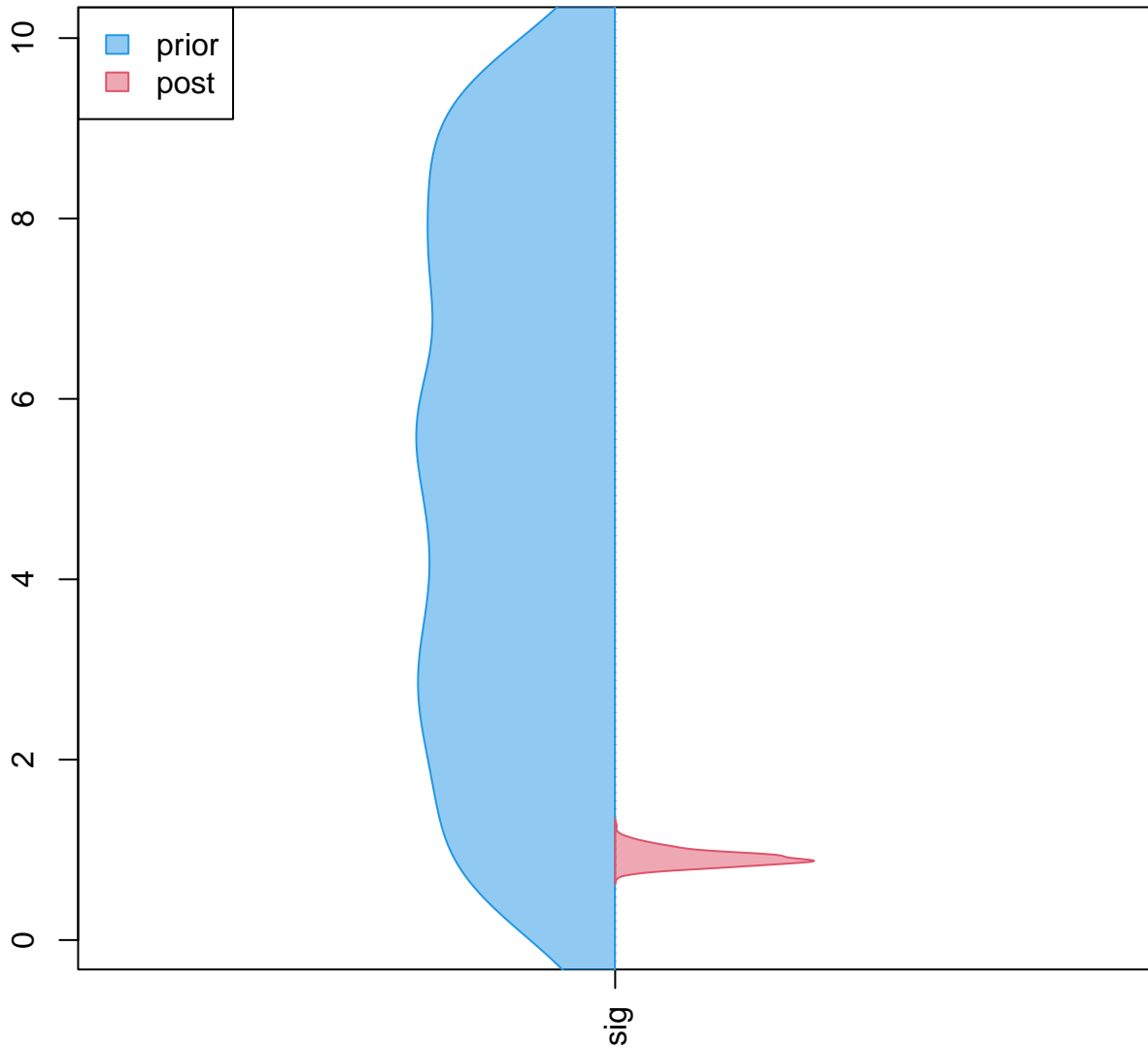
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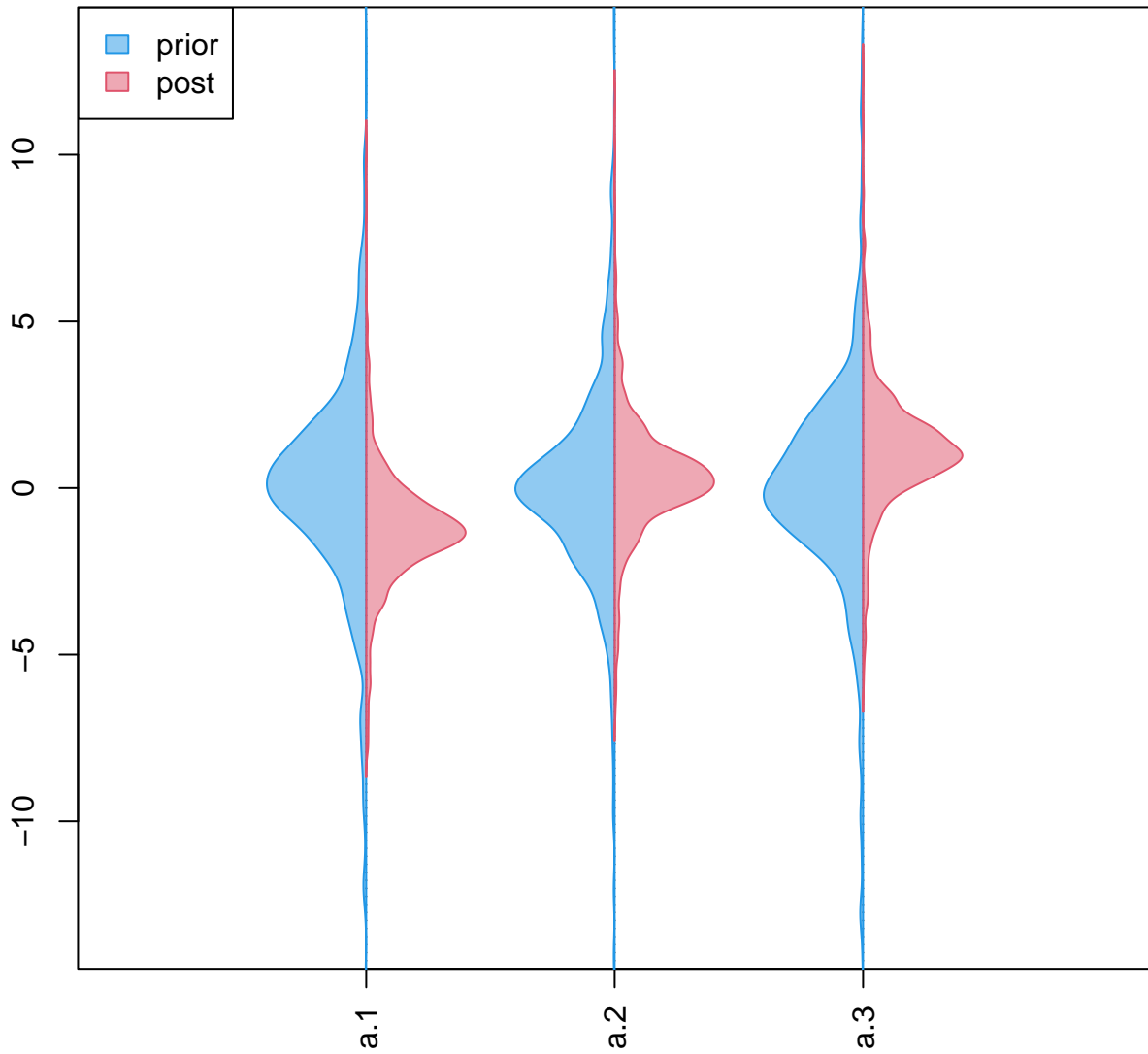
**b1**



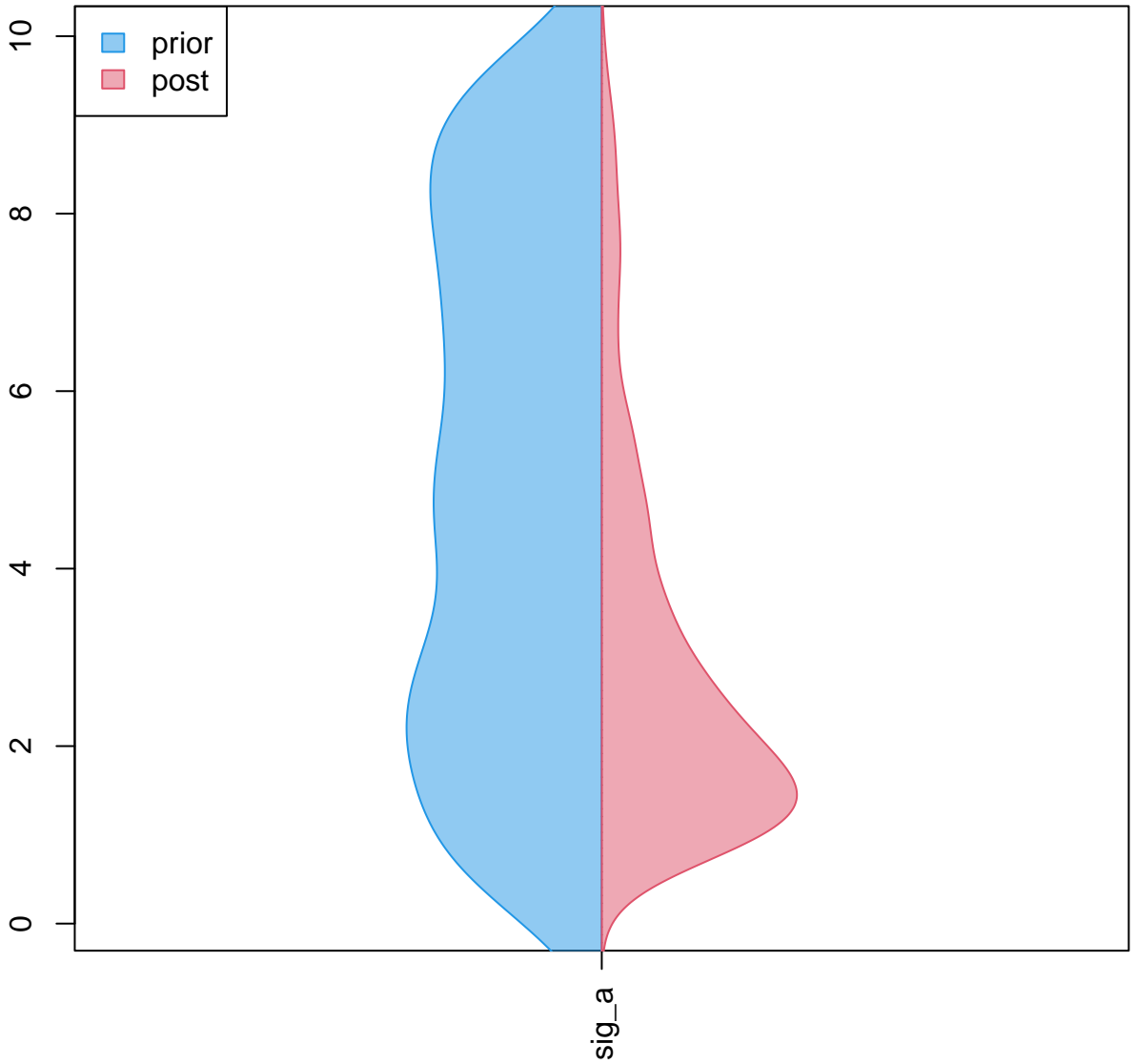
sig

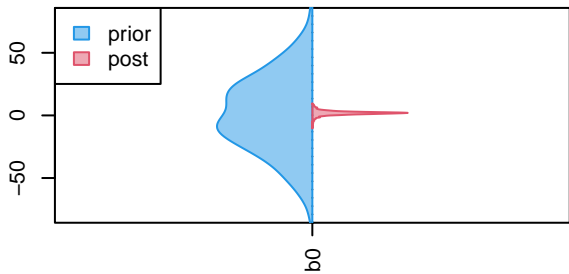
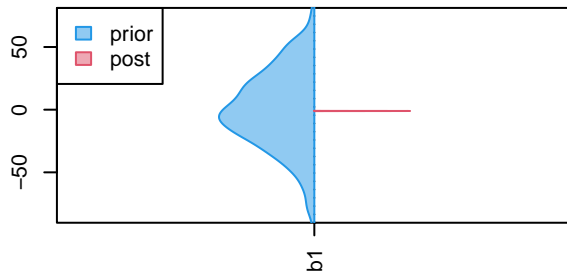
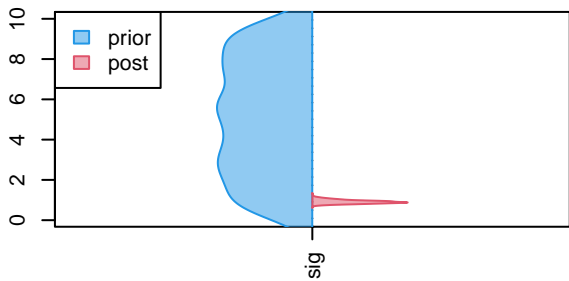
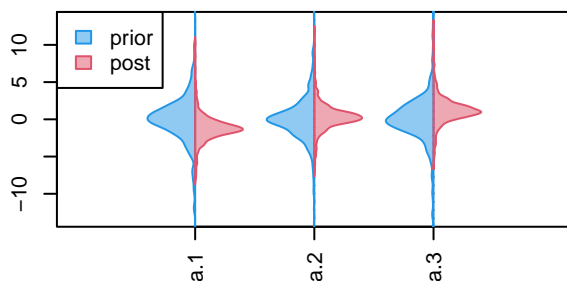
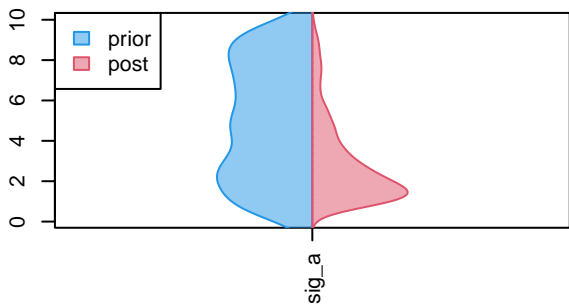


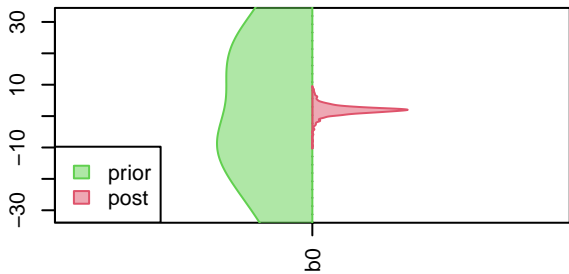
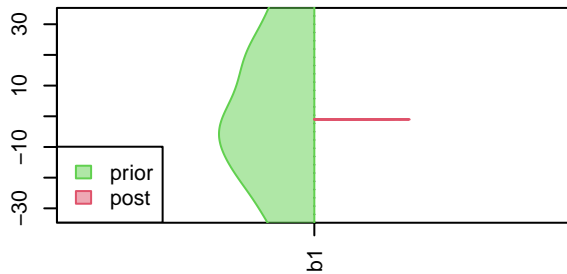
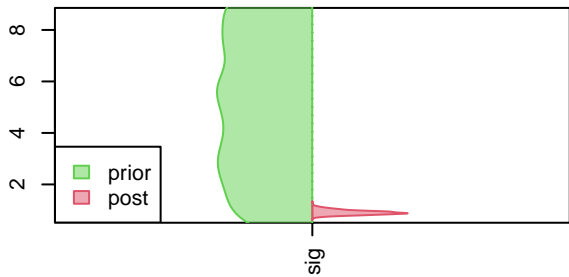
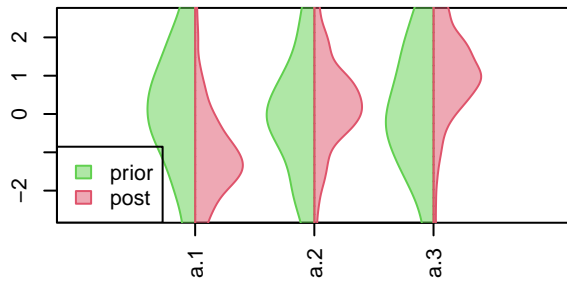
**a**



sig\_a



**b0****b1****sig****a****sig\_a**

**b0****b1****sig****a****sig\_a**