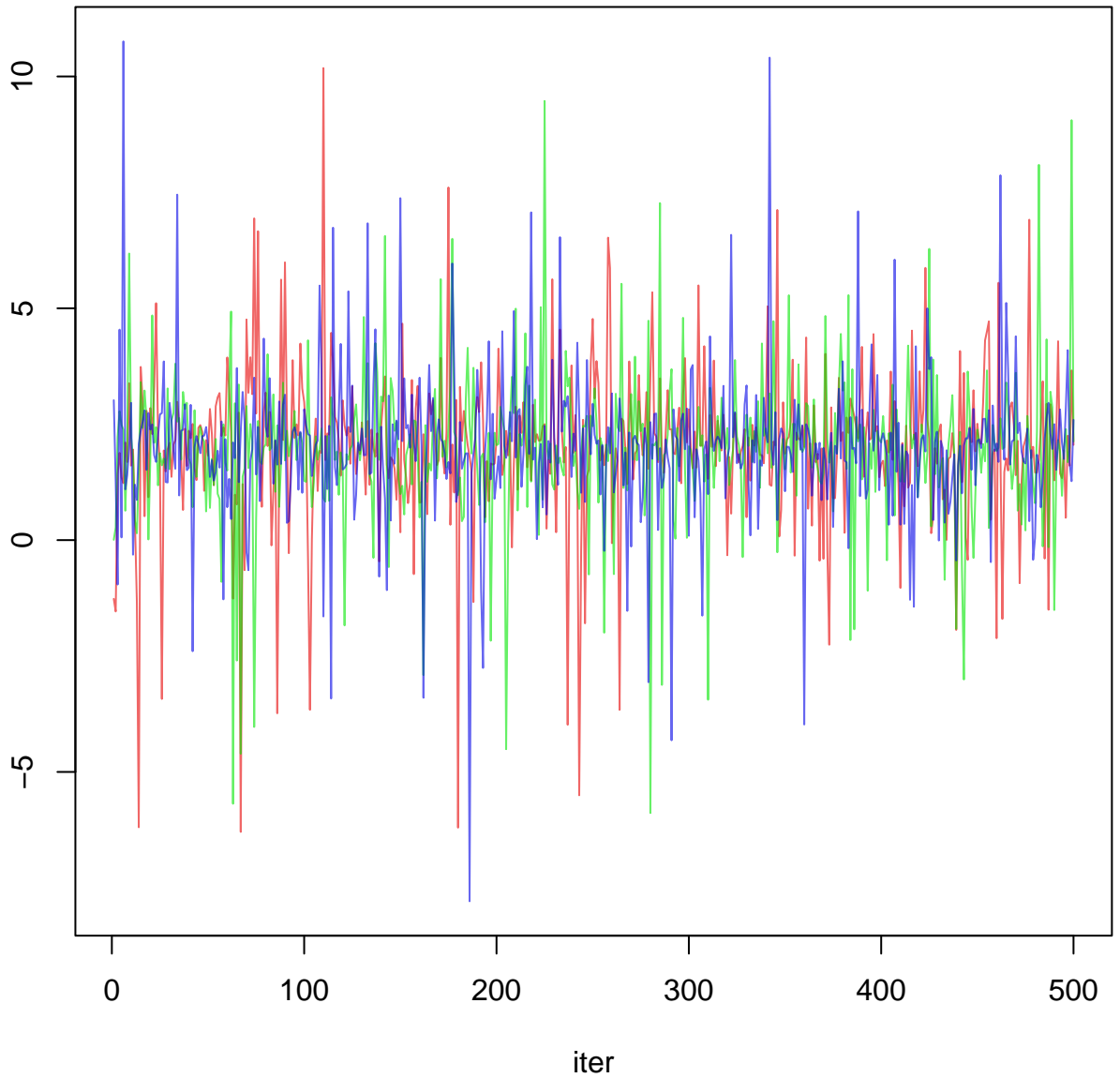
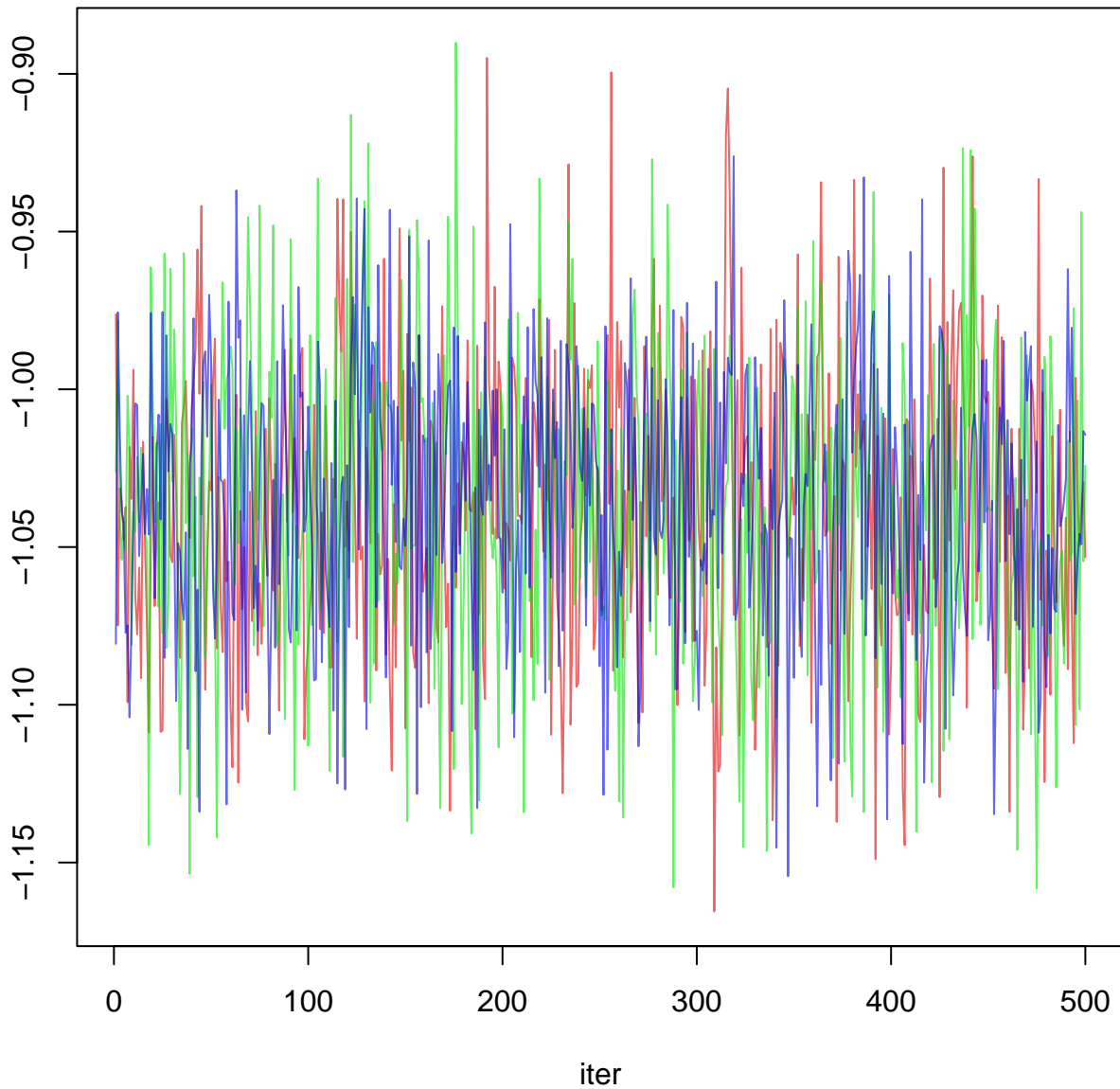


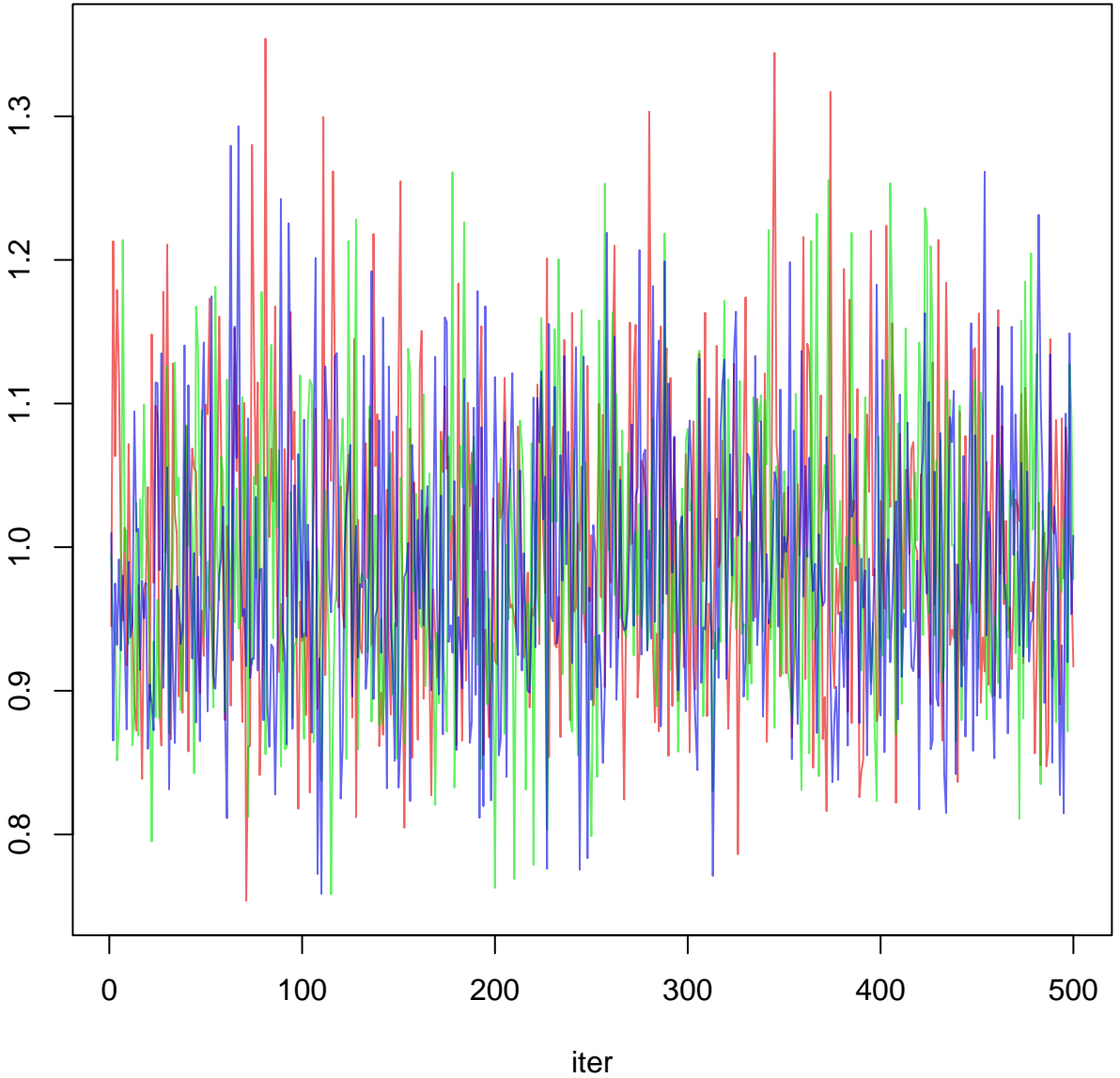
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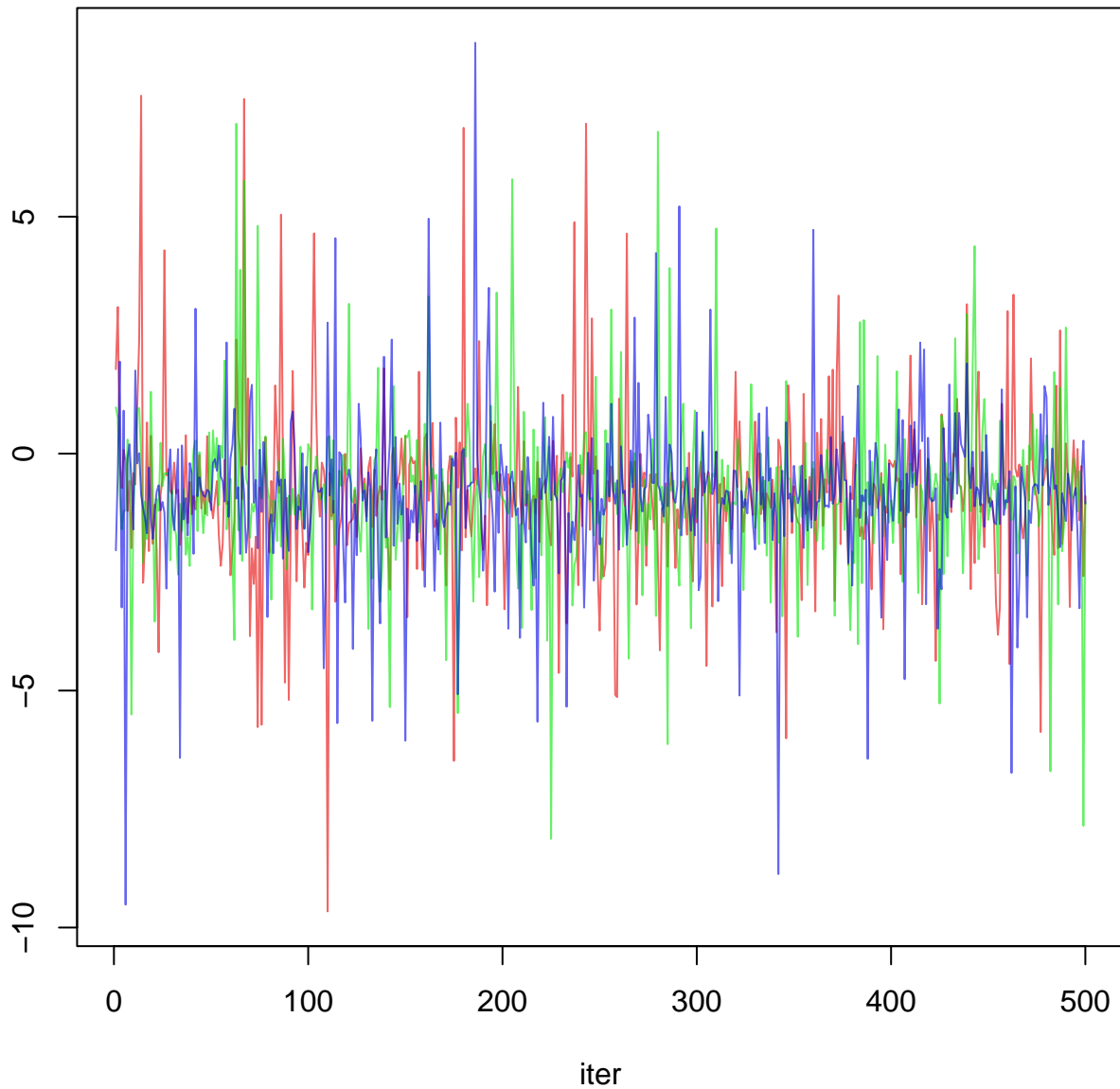
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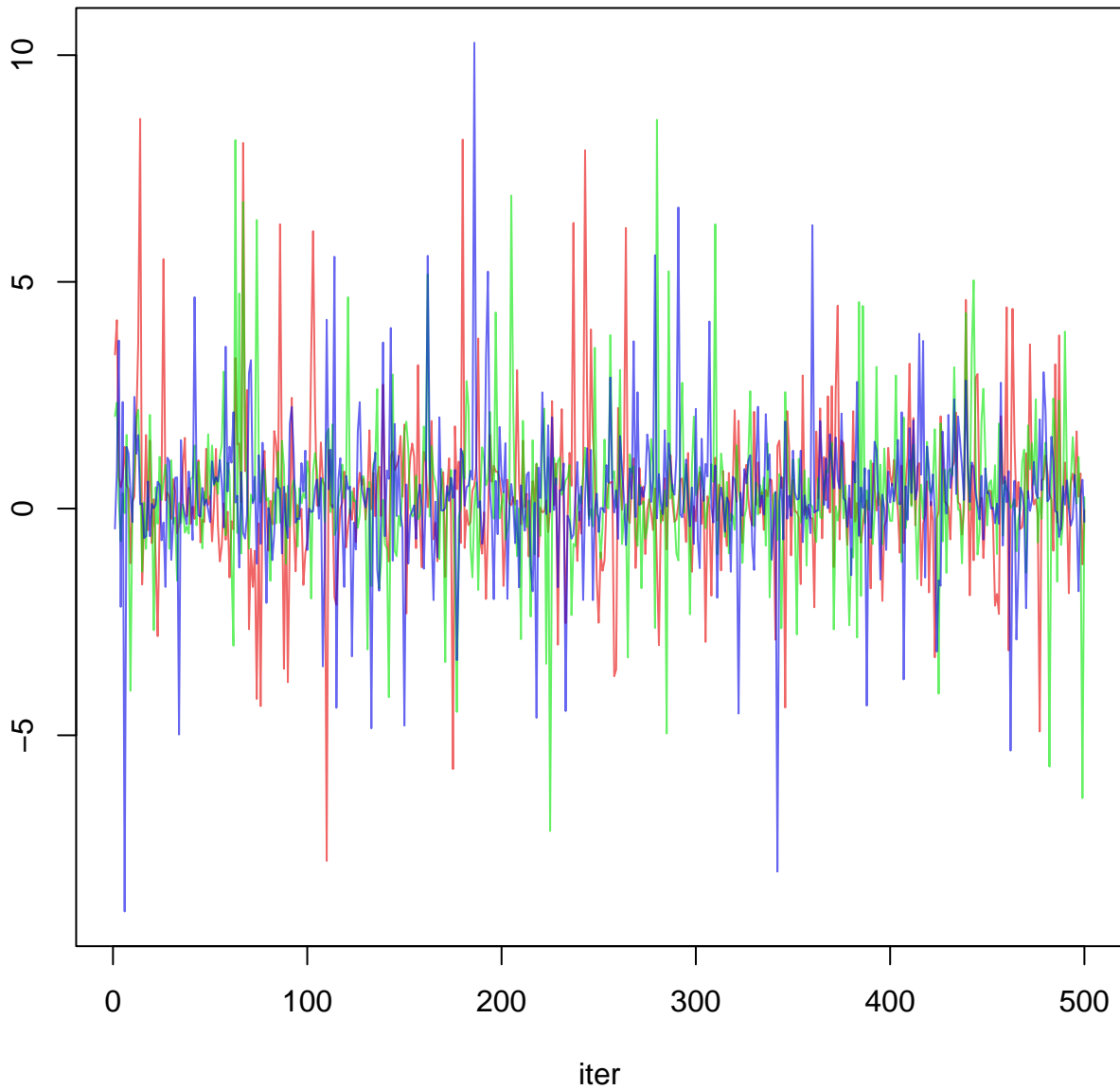
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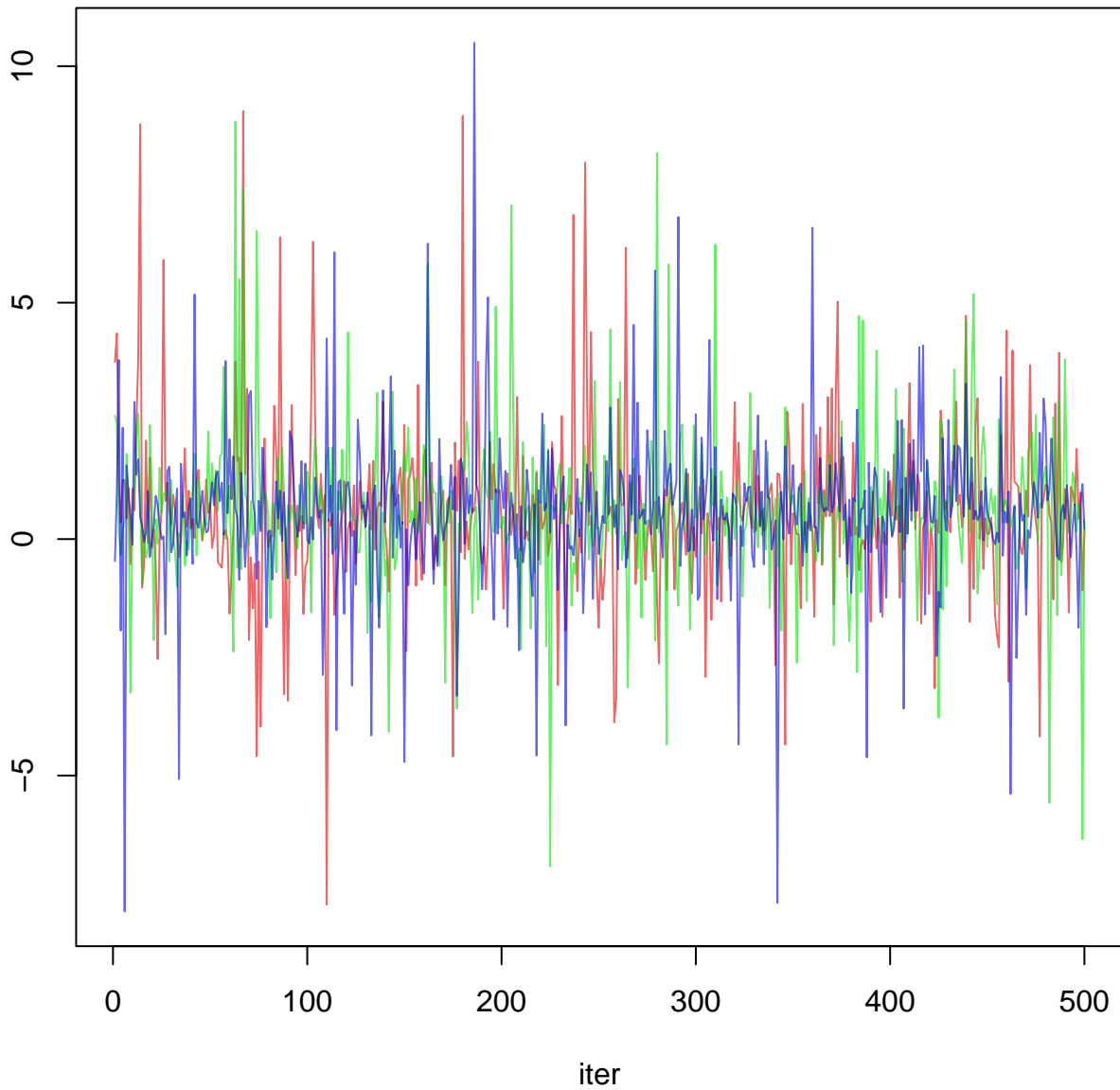
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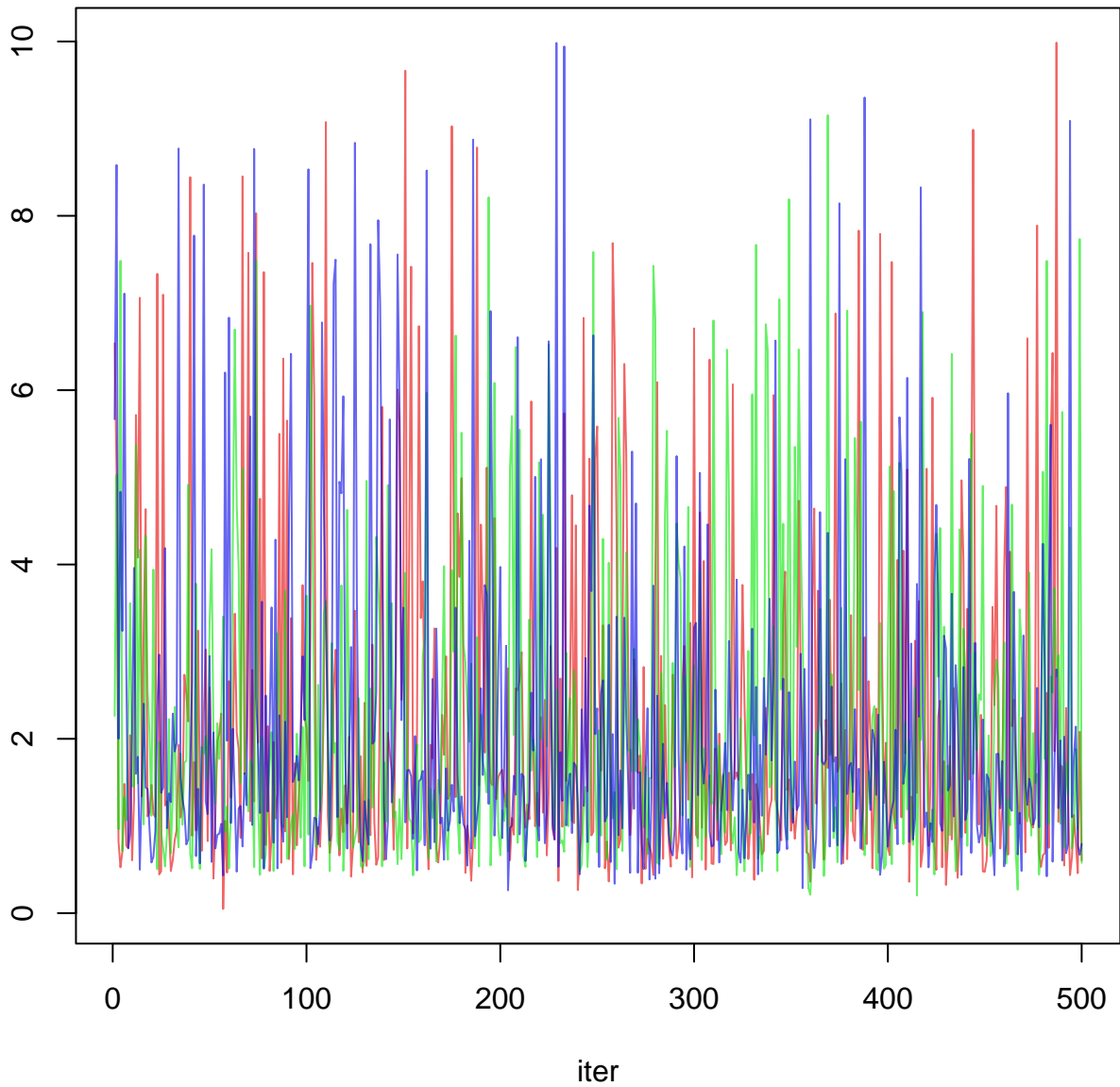
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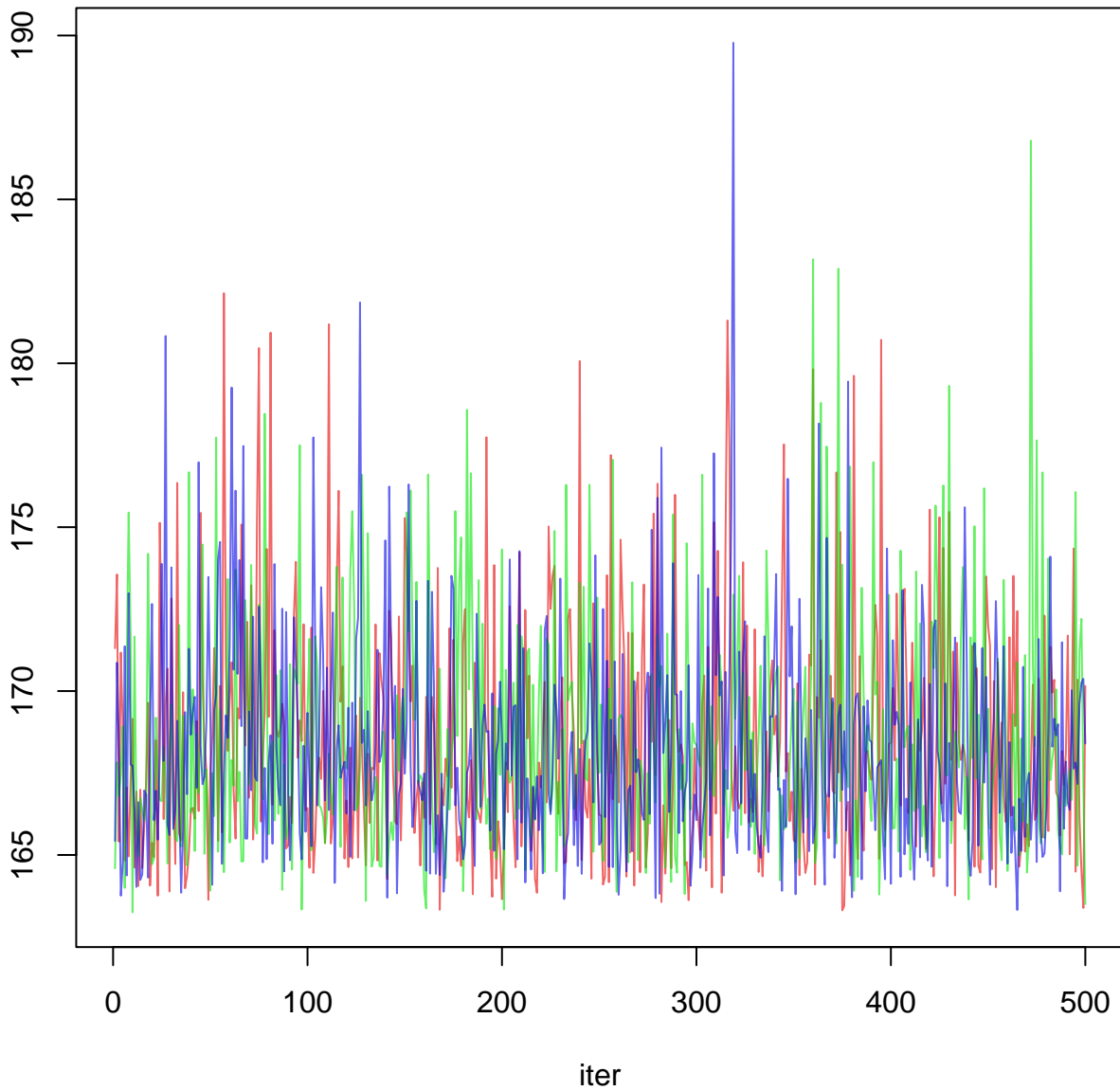
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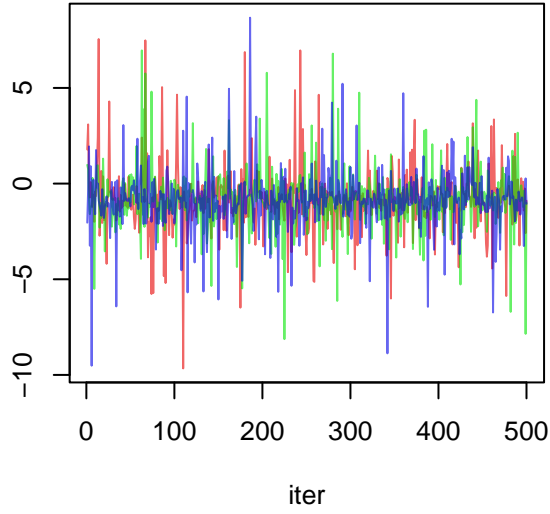
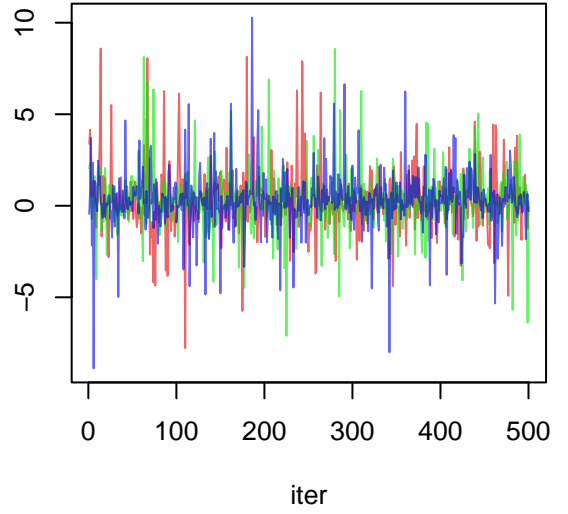
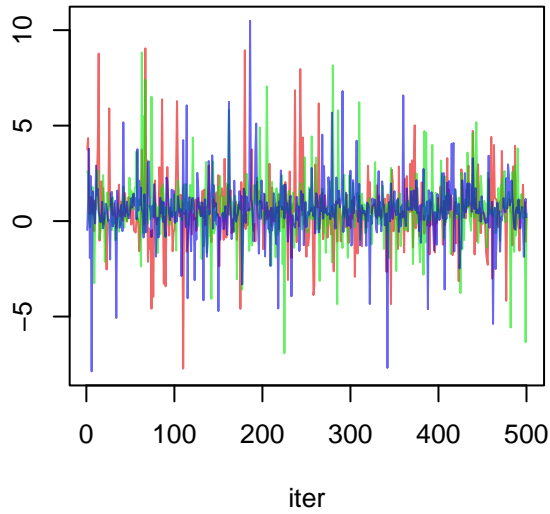


sig_a

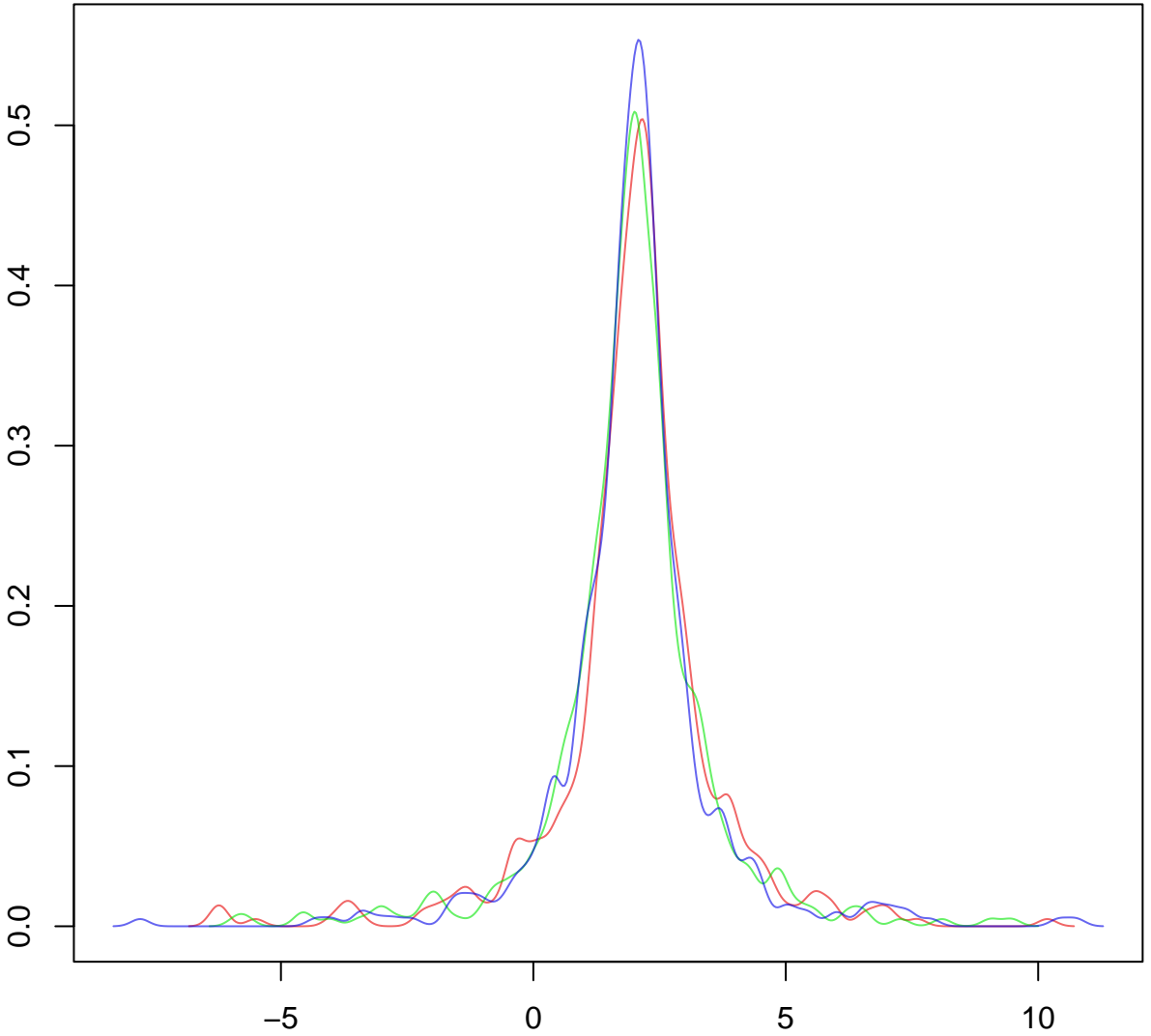


deviance

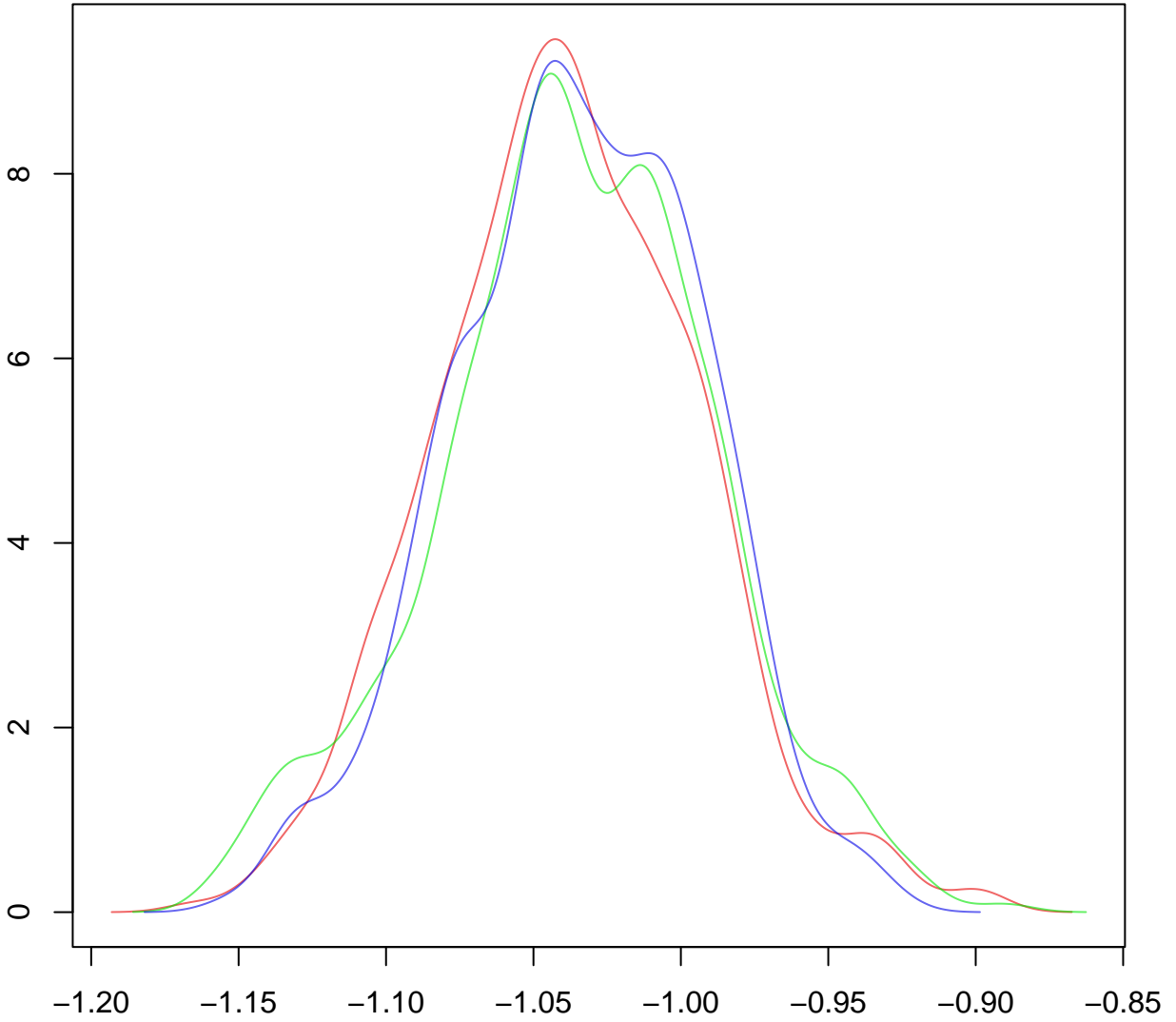


a[1]**a[2]****a[3]**

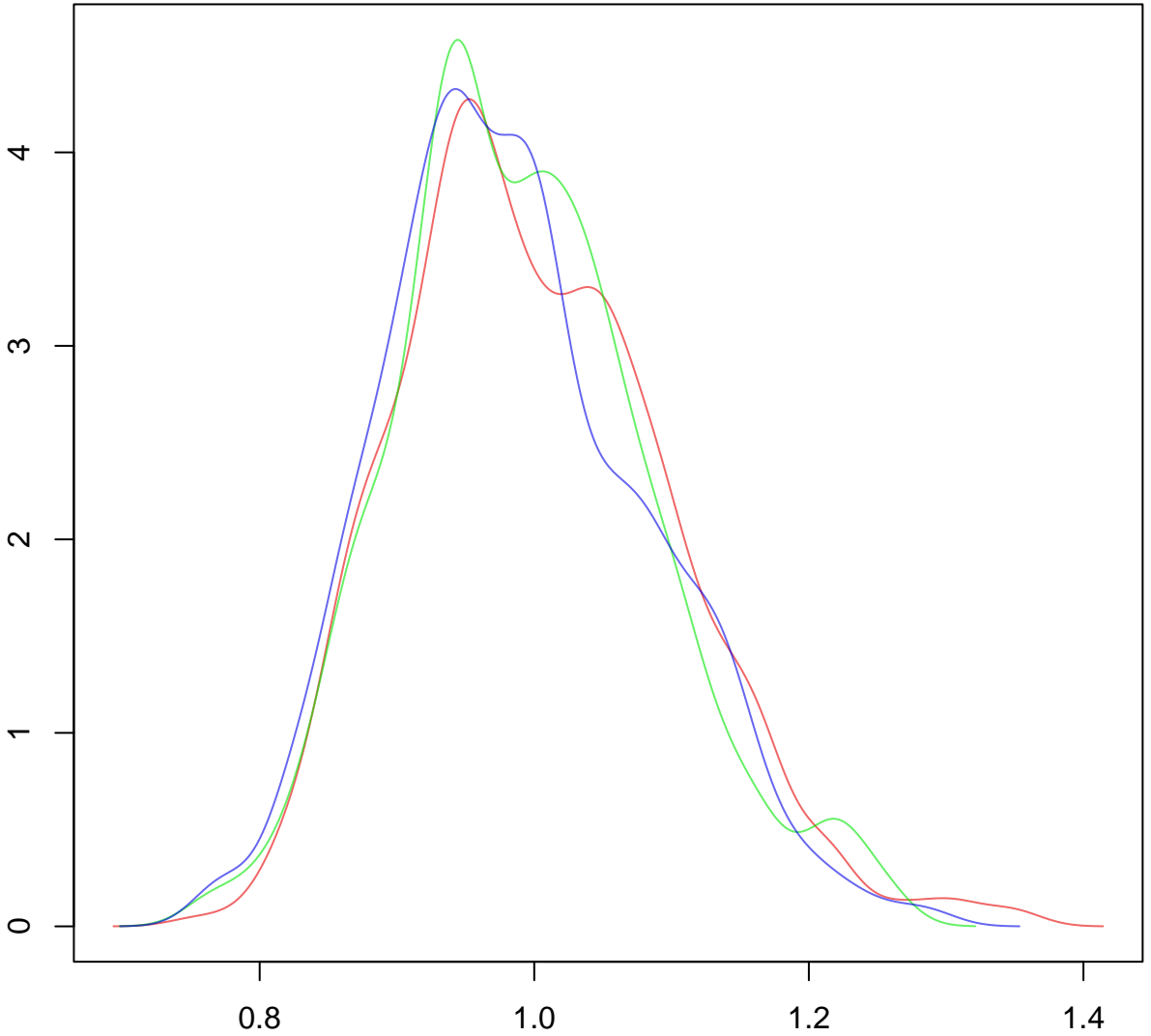
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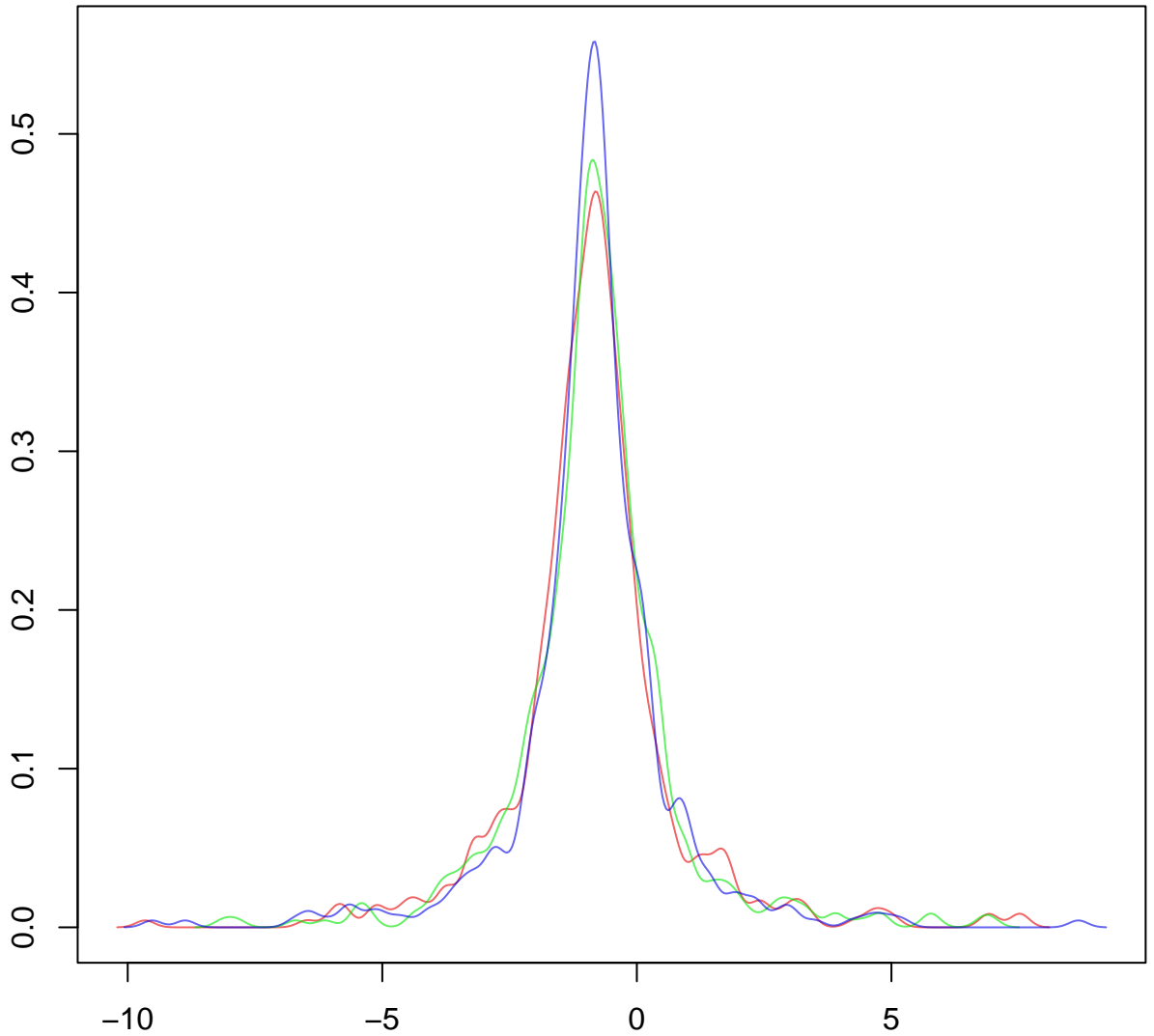
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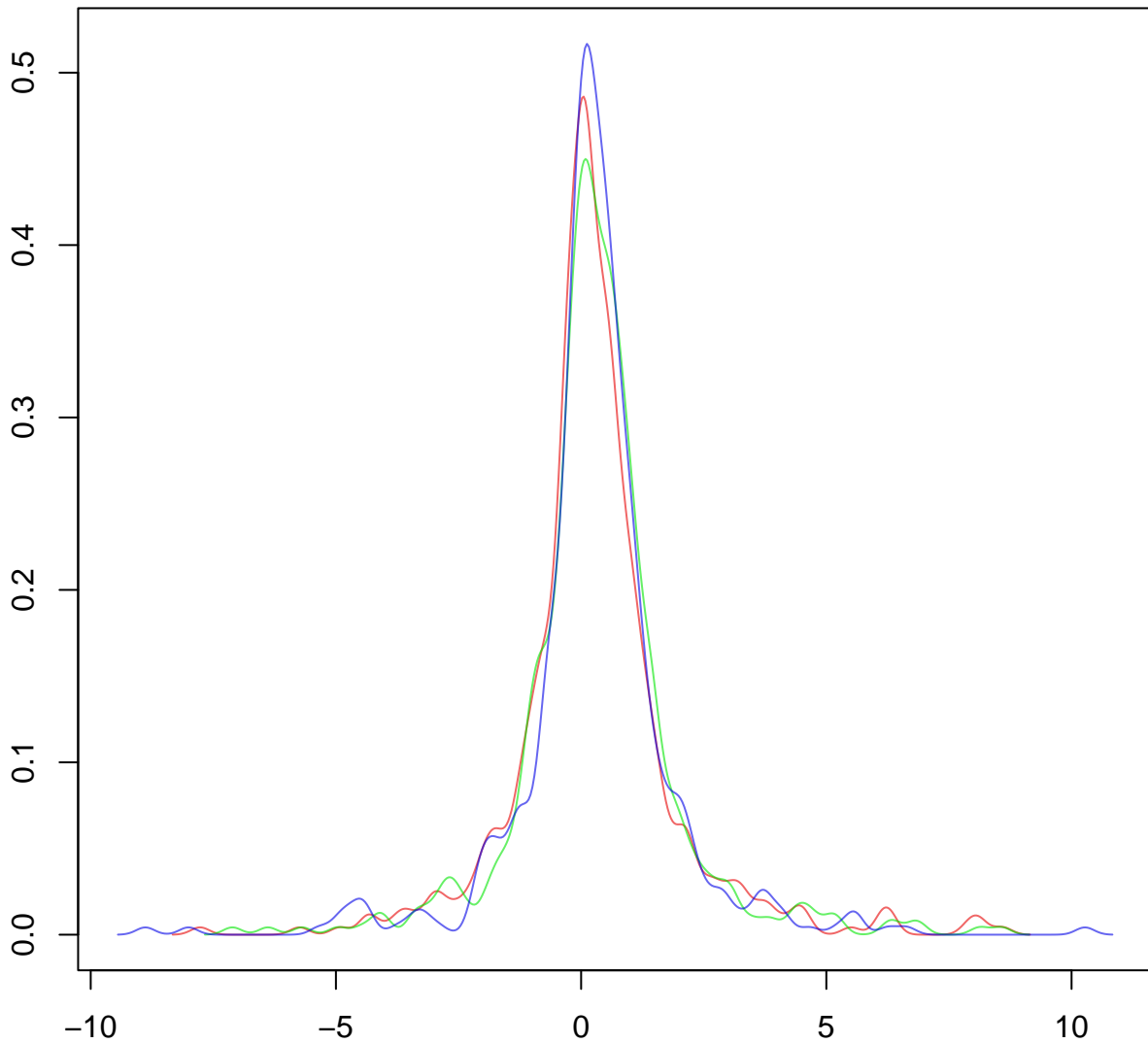
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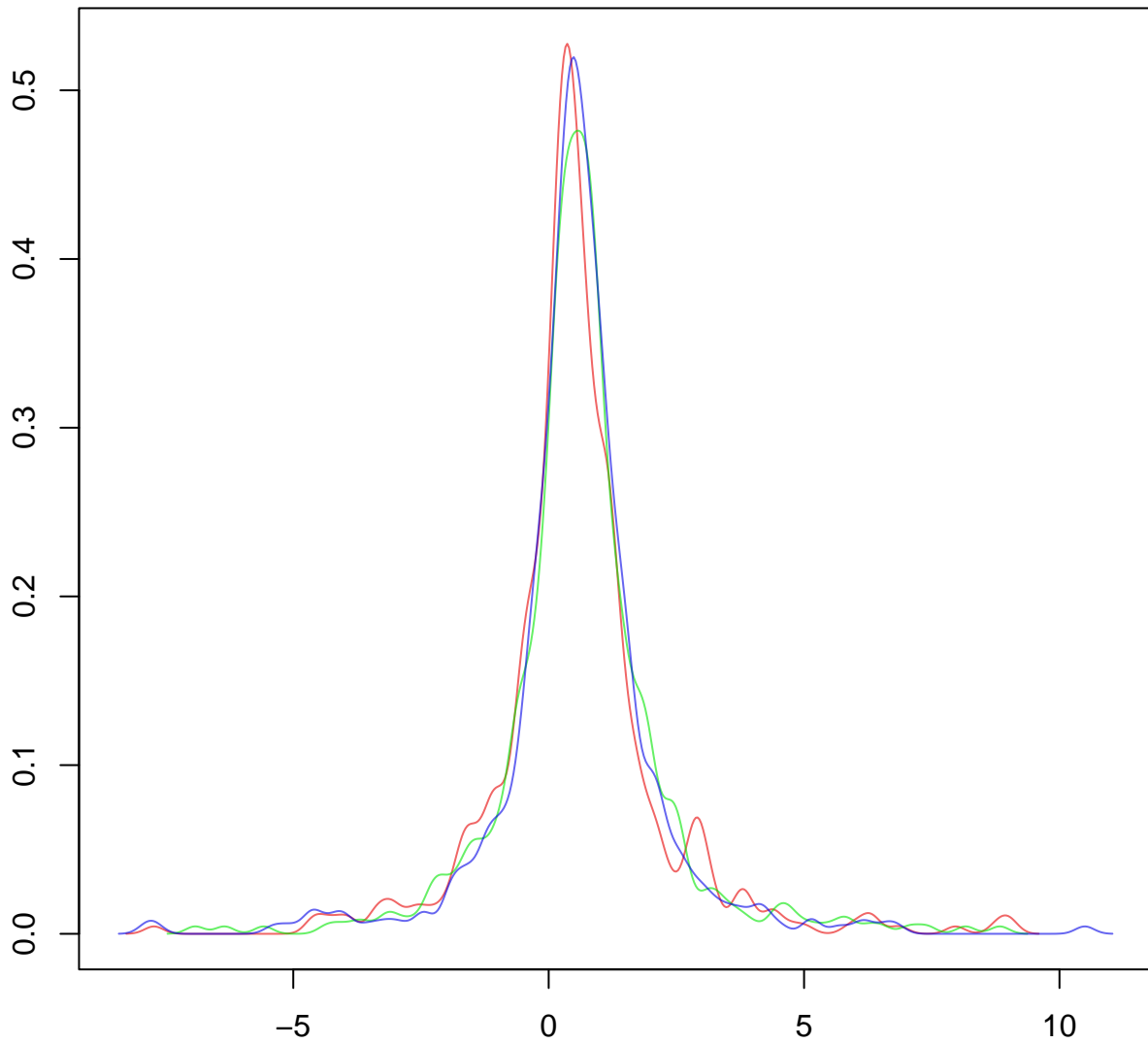
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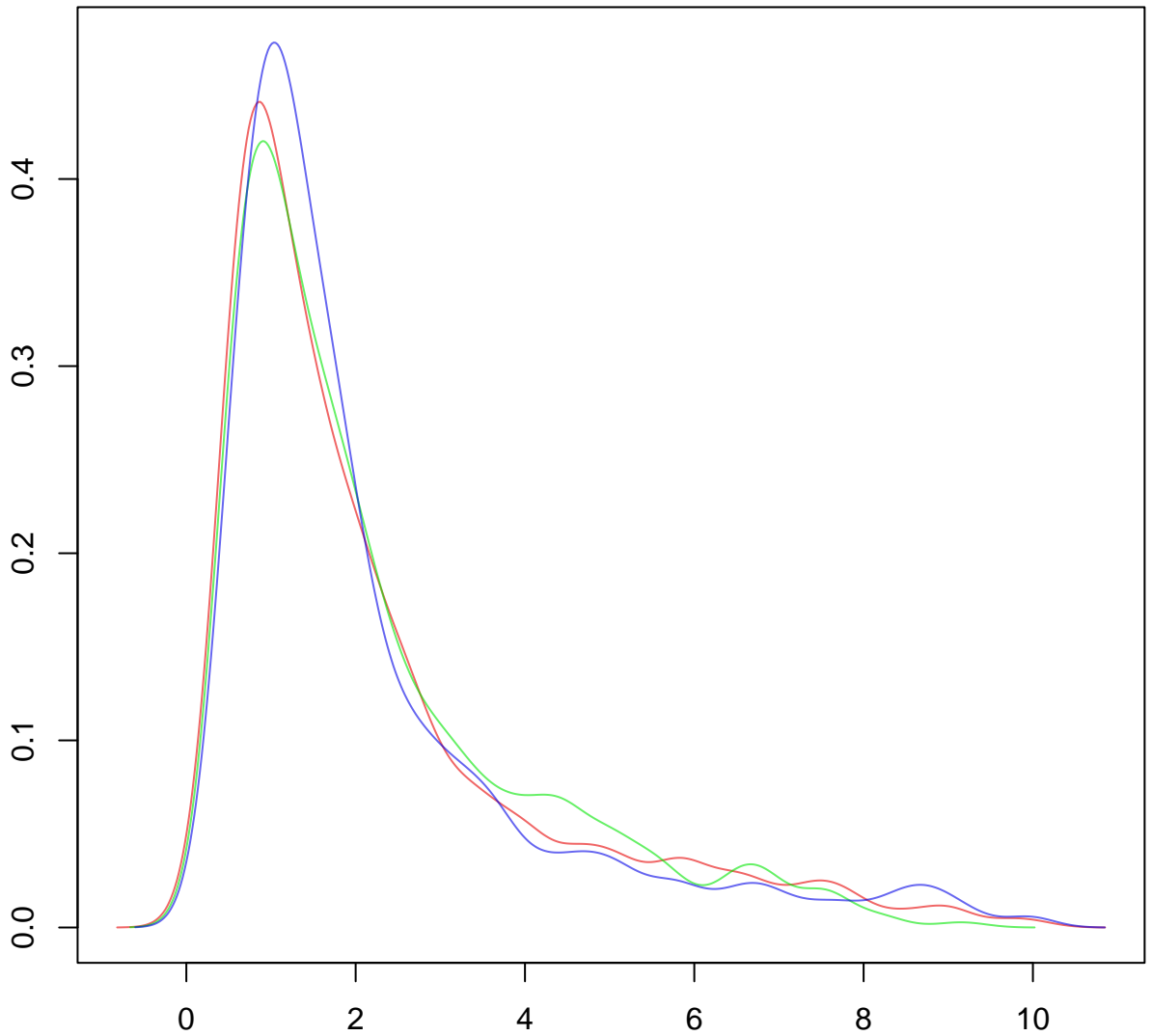
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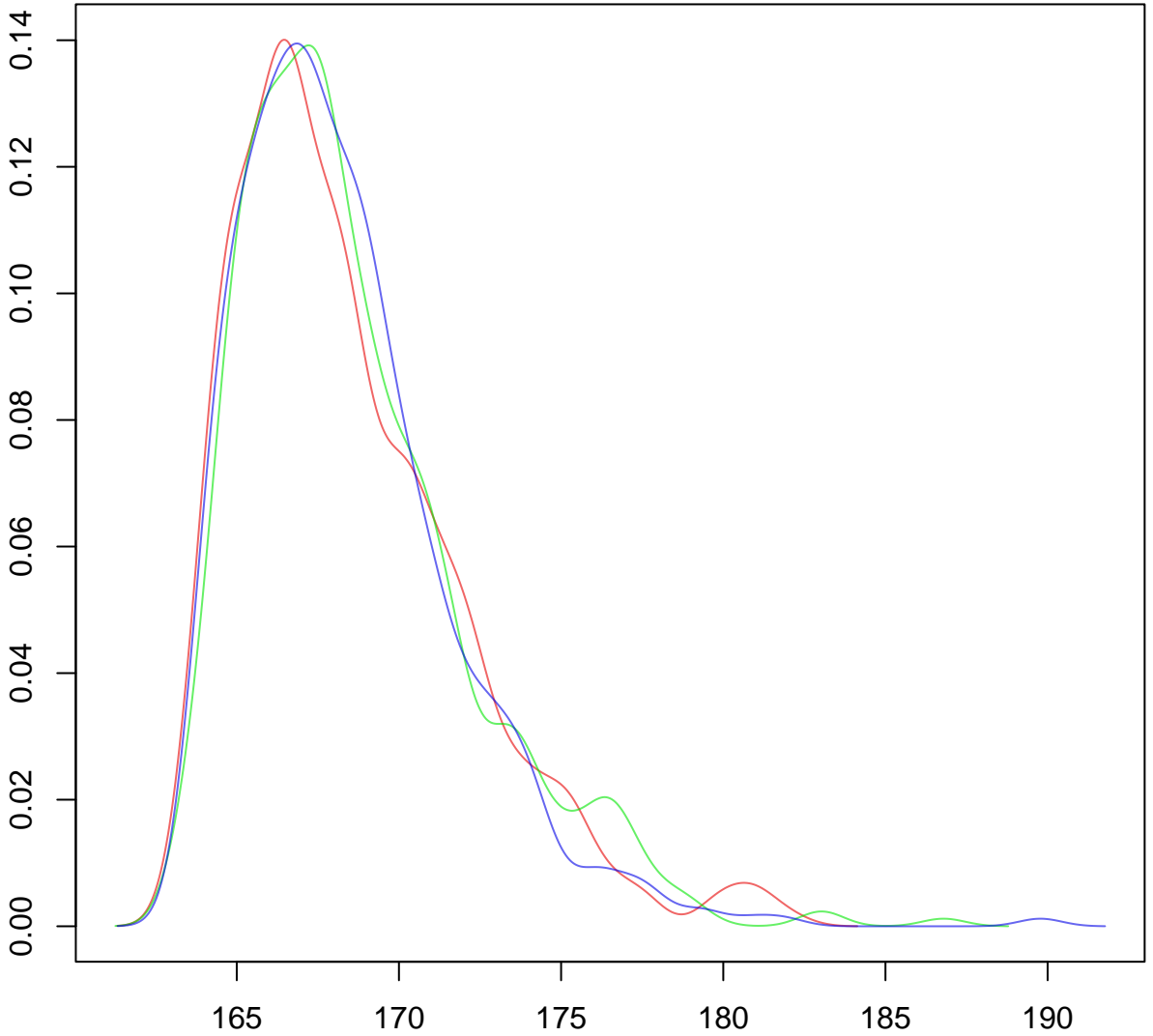
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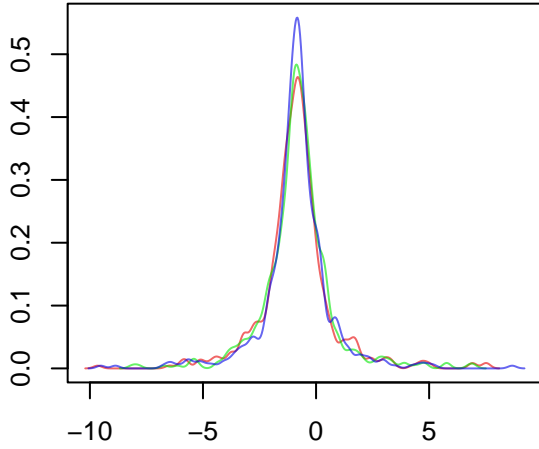
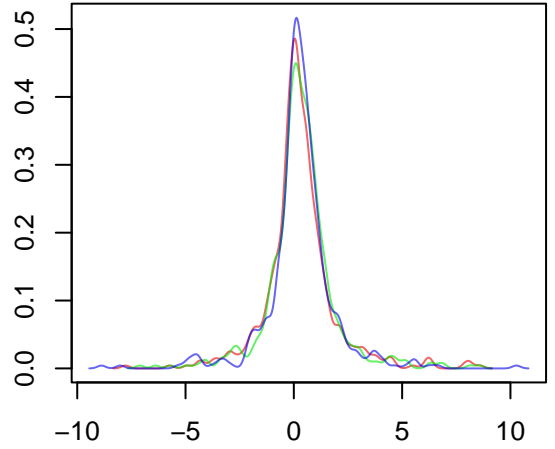
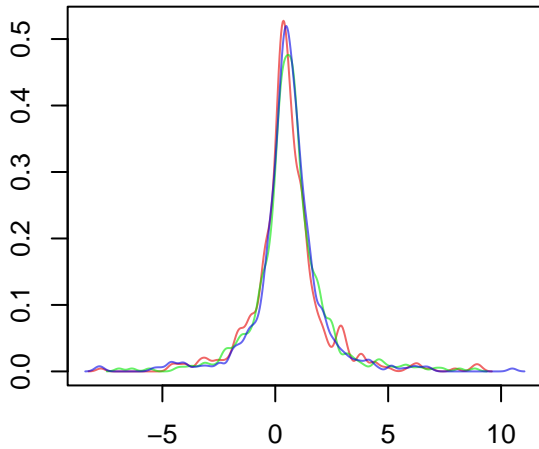


sig_a

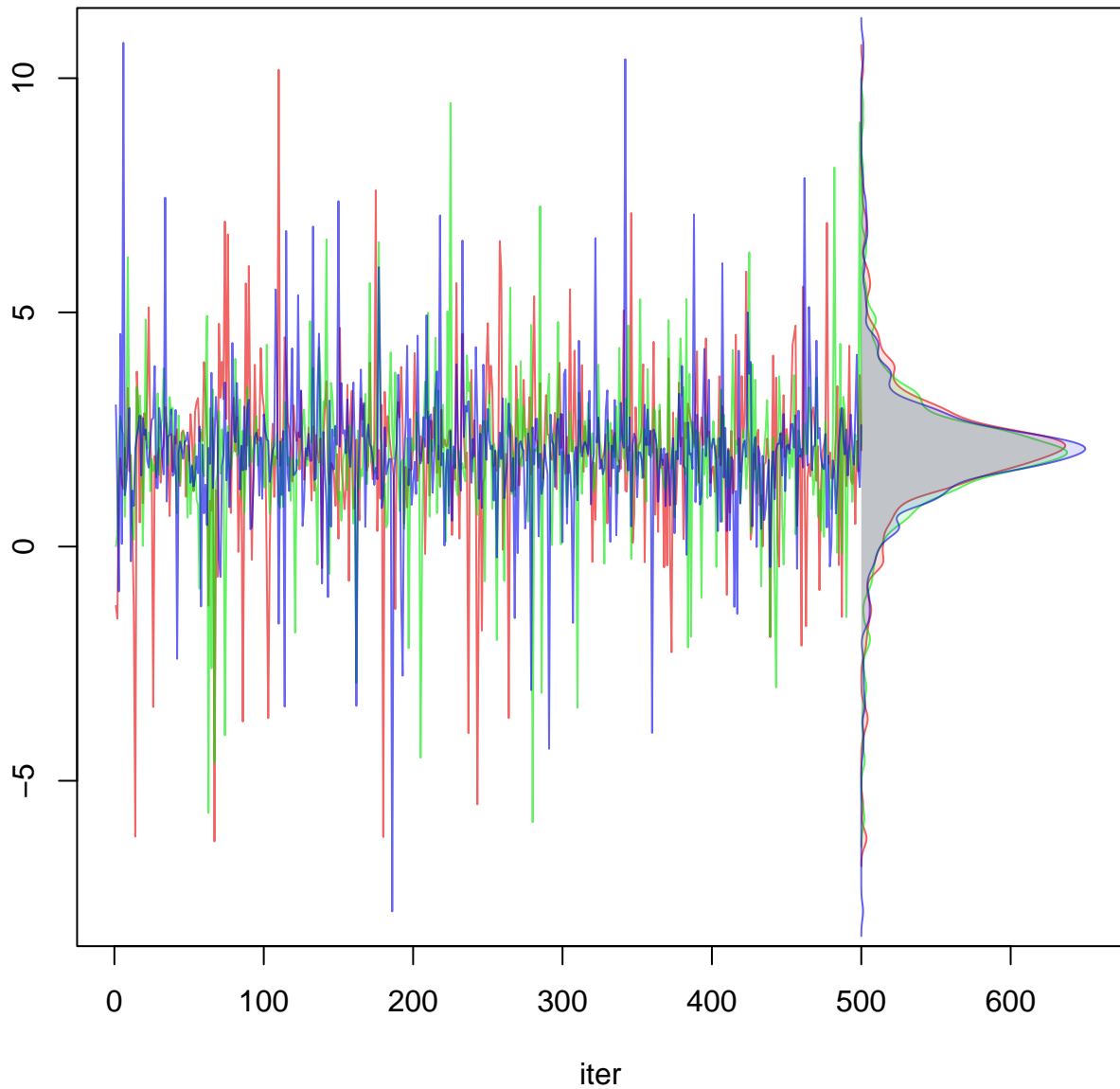


deviance

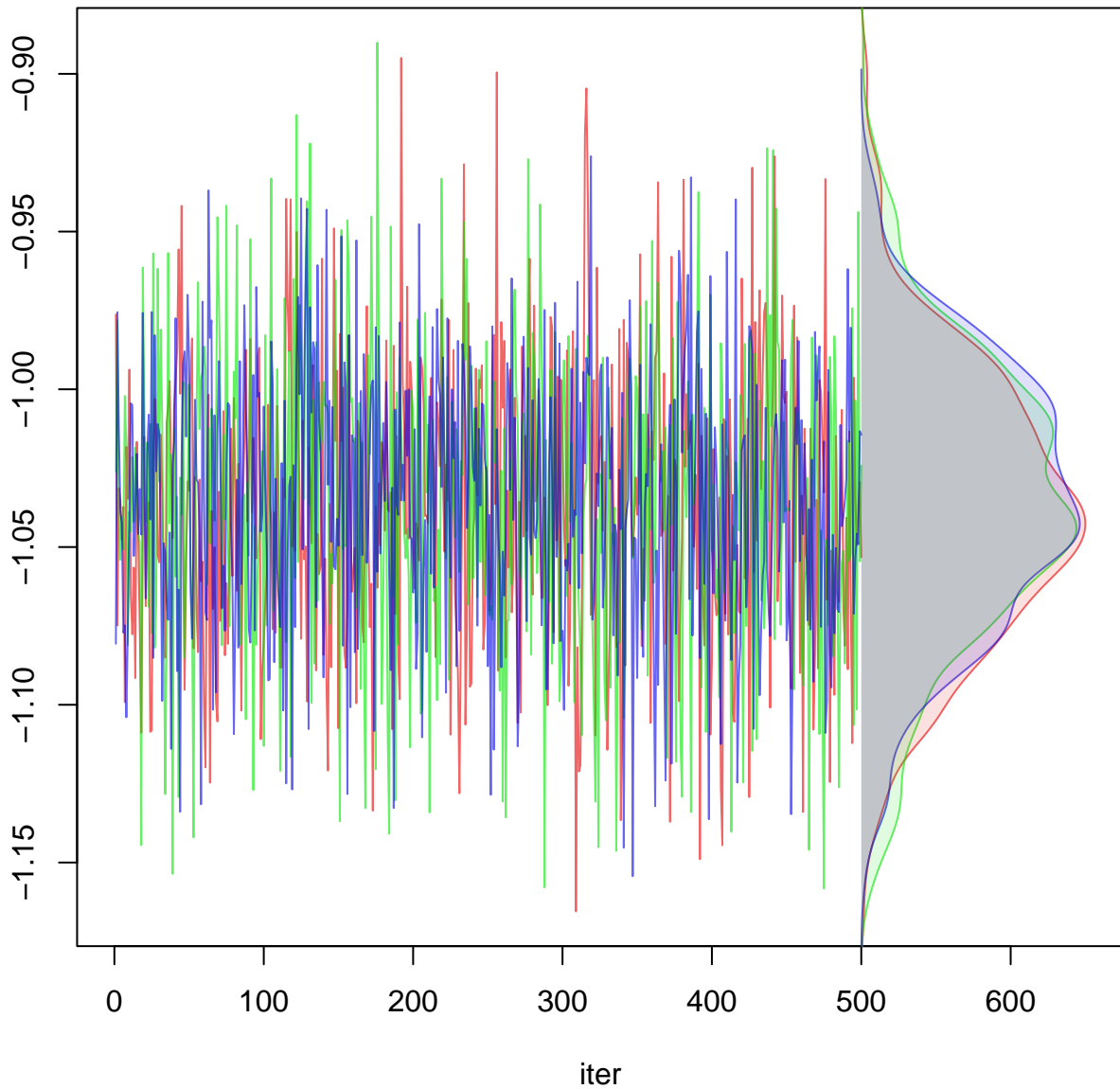


a[1]**a[2]****a[3]**

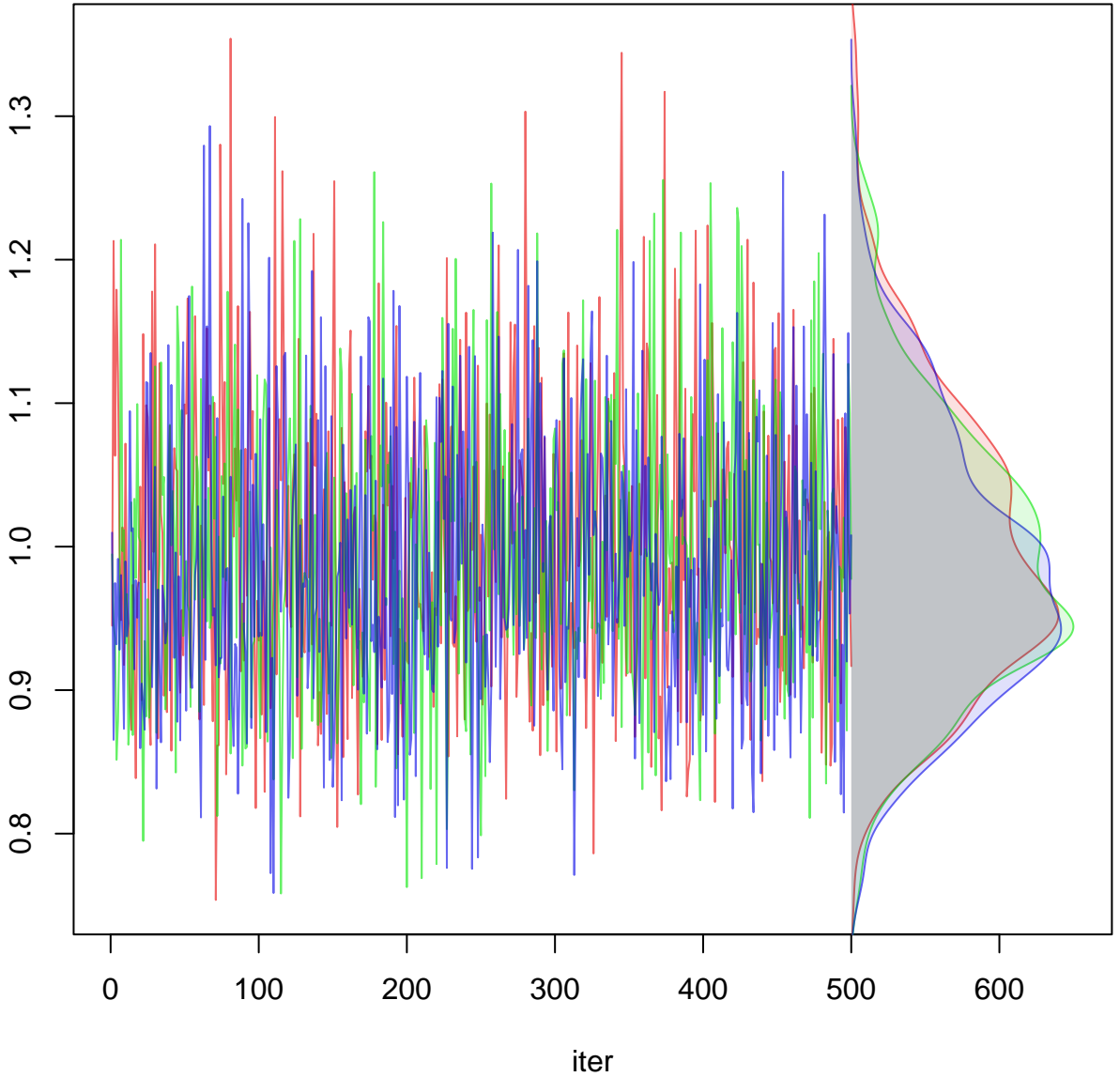
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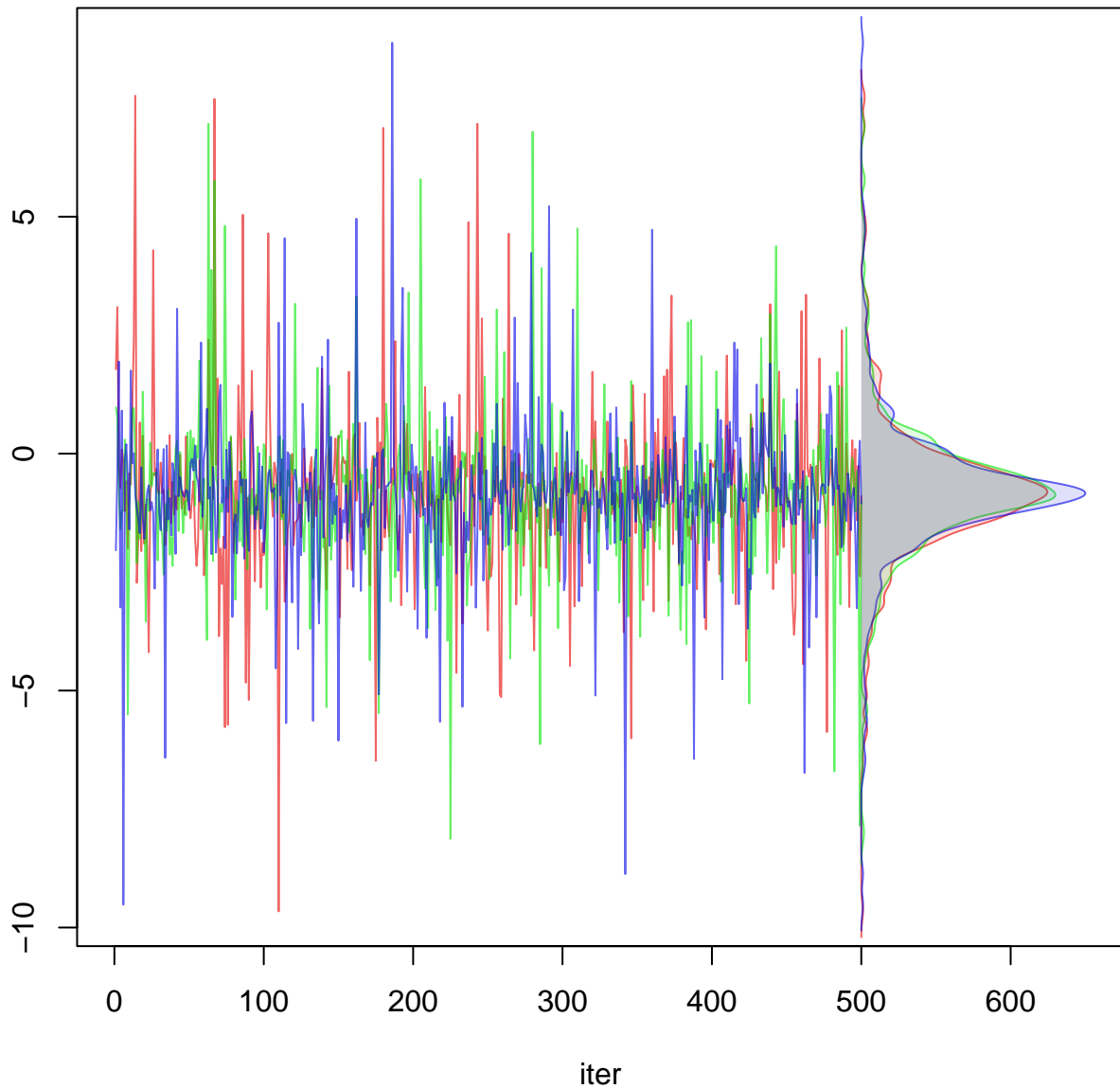
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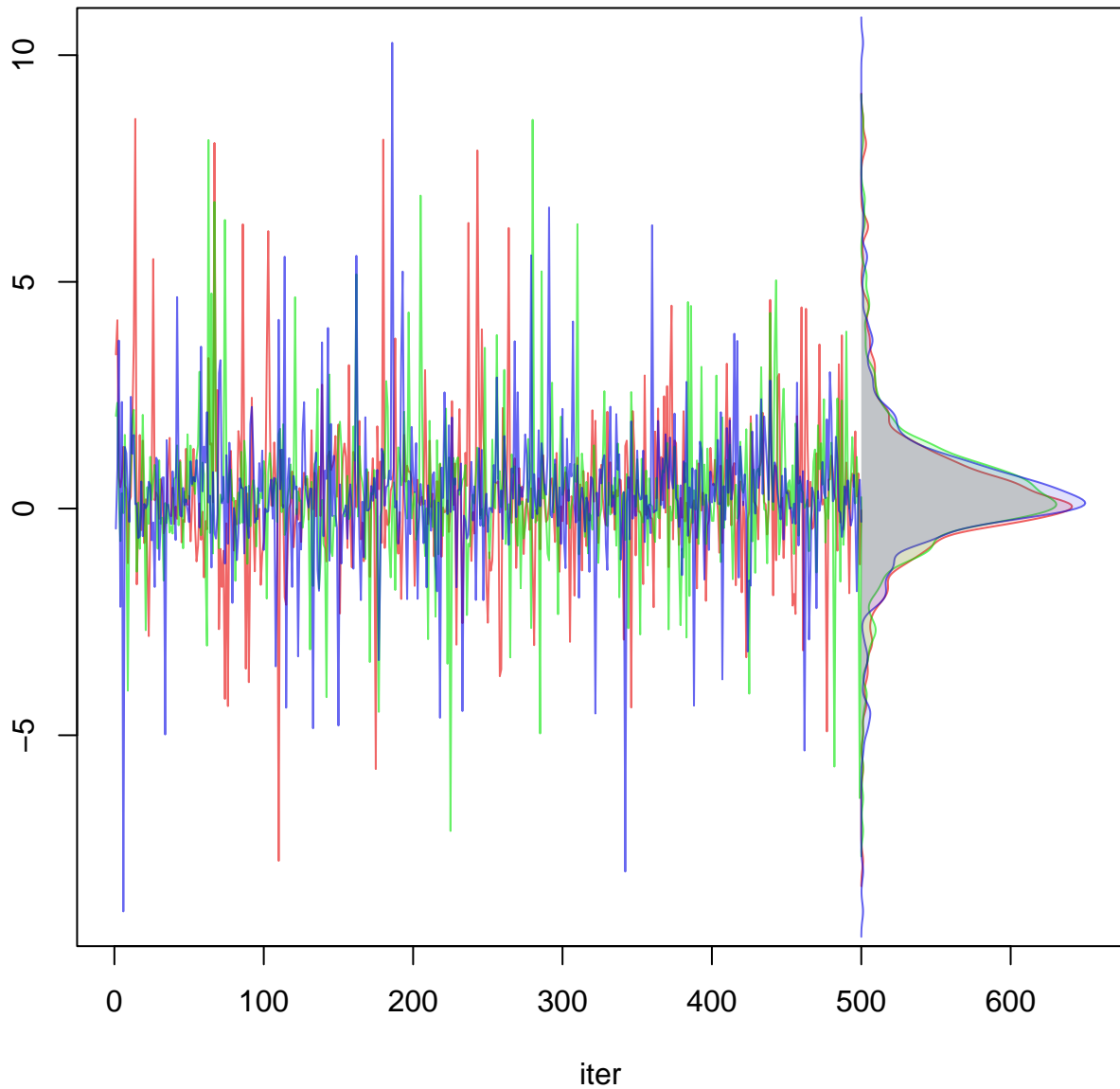
sig



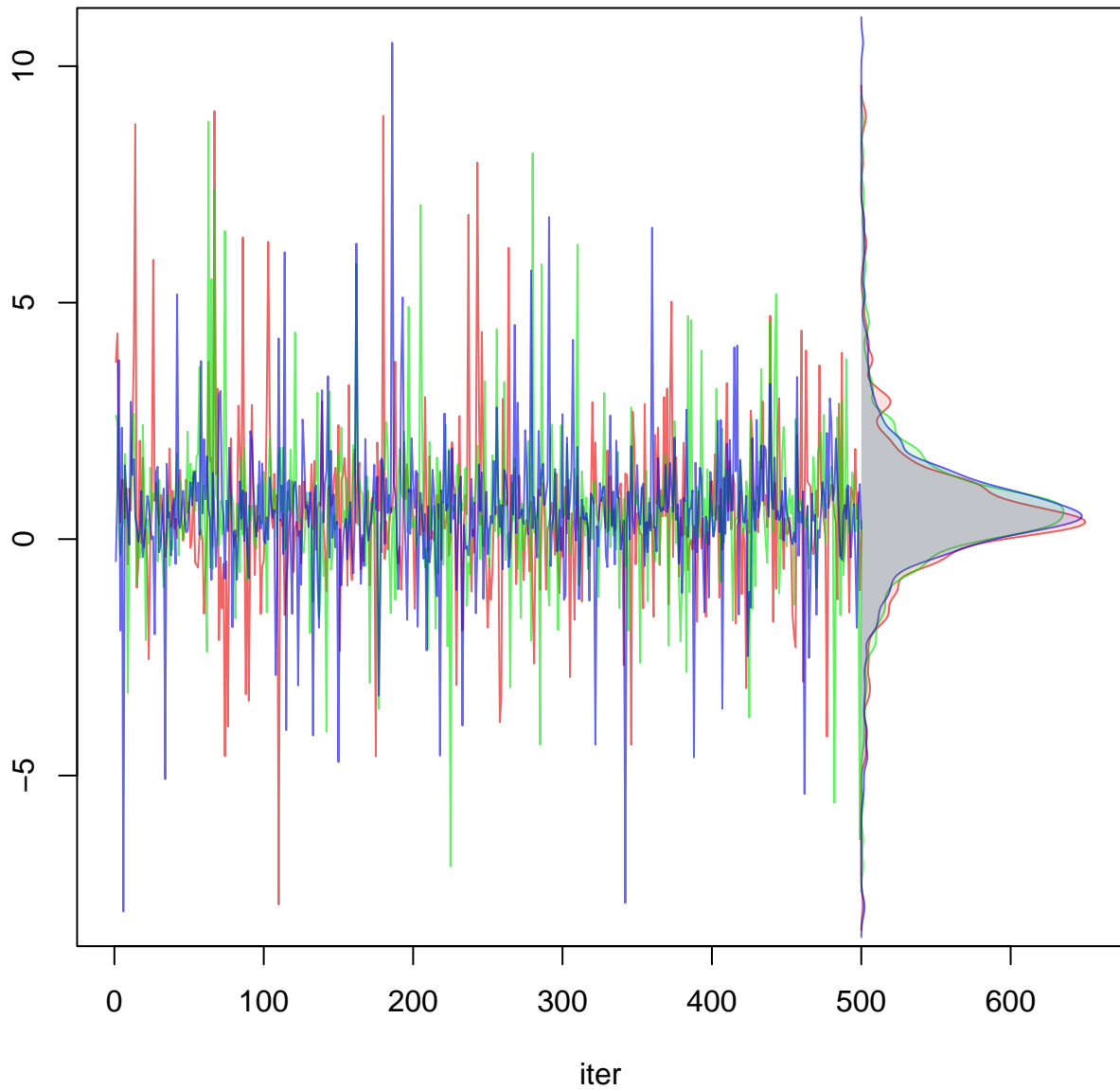
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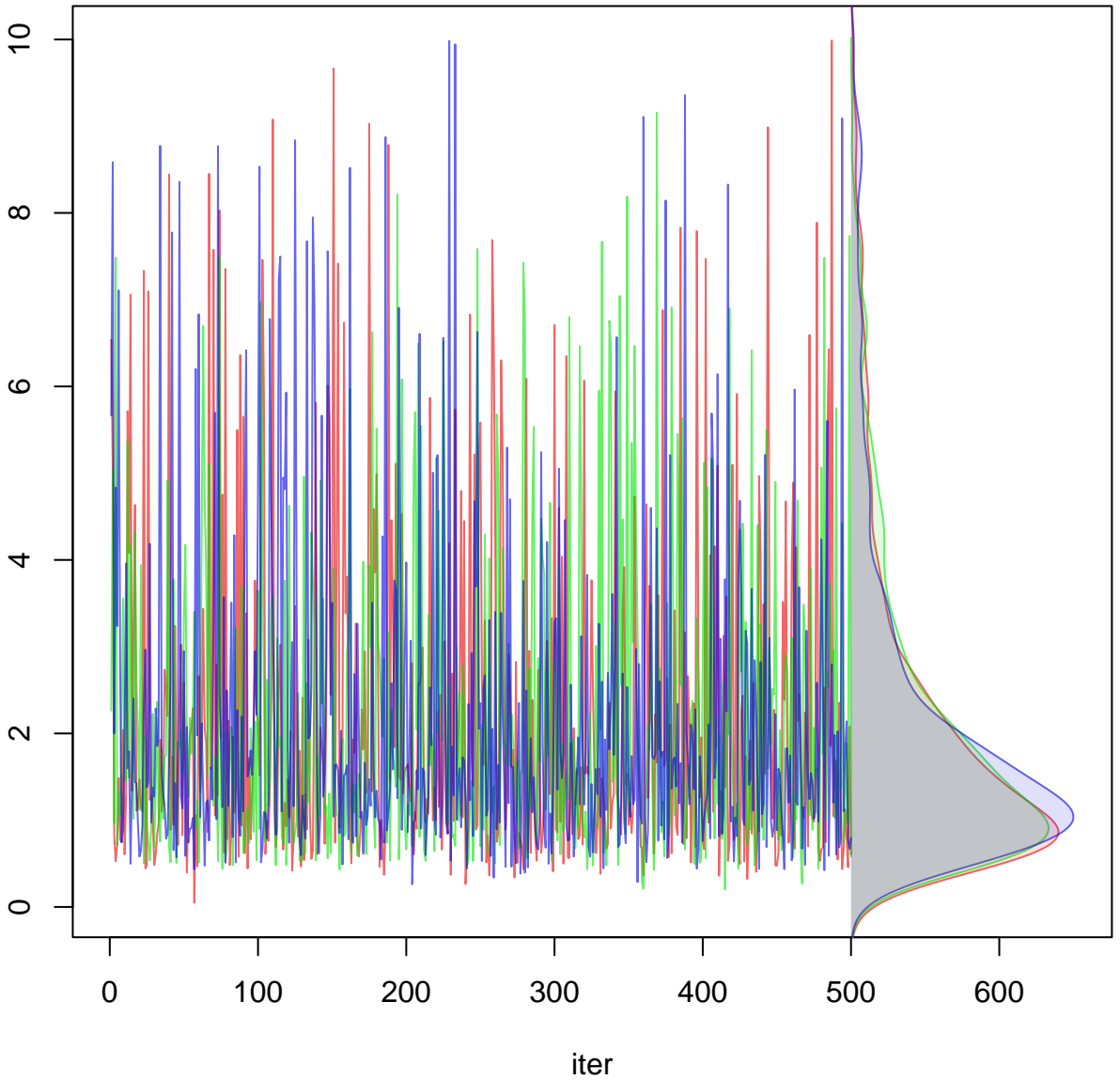
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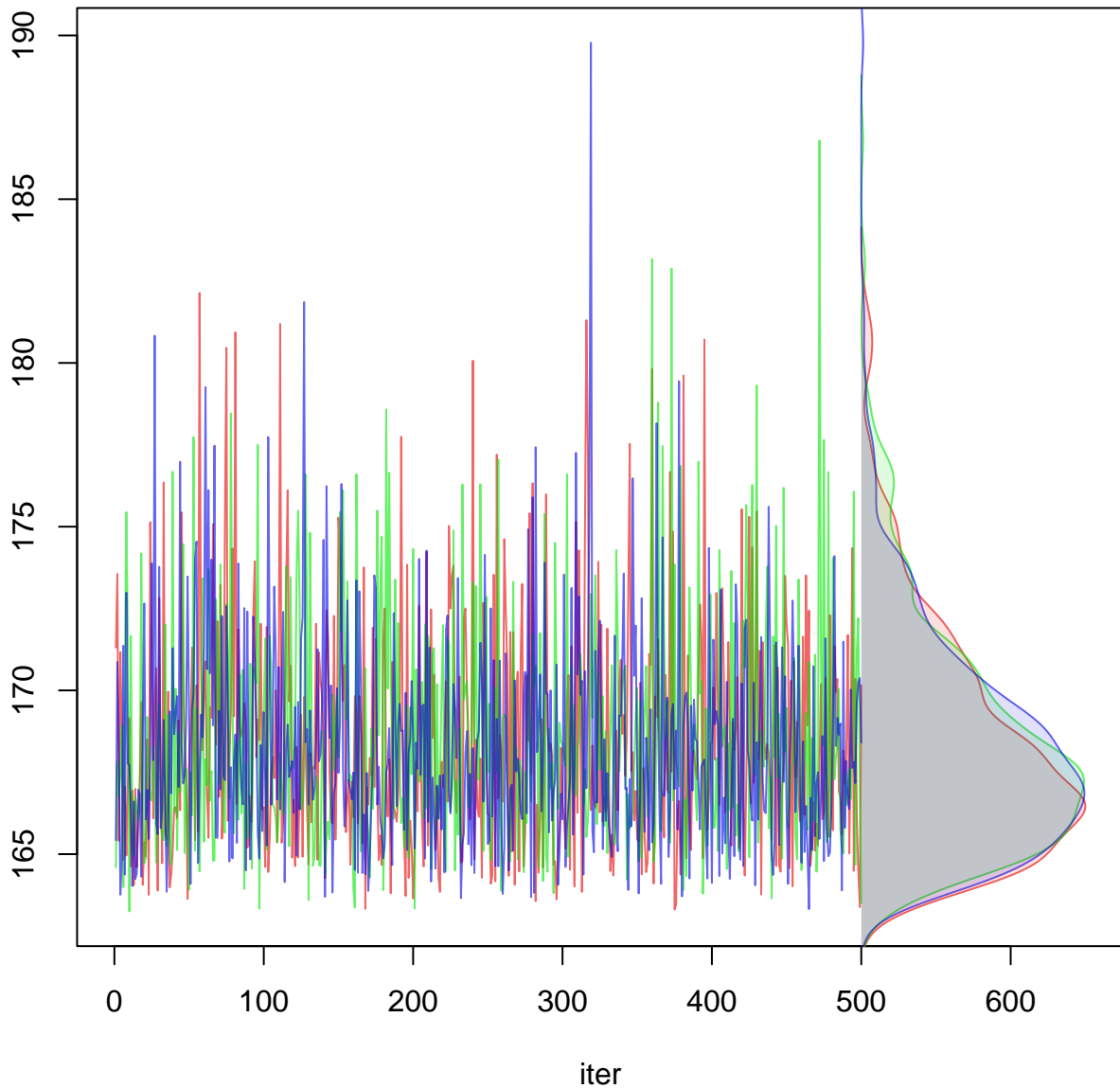
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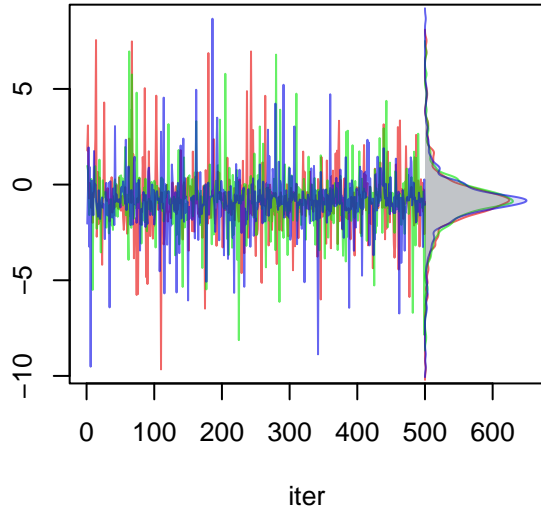
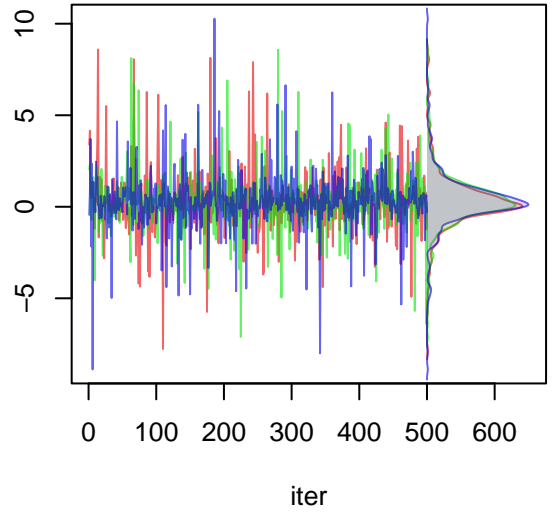
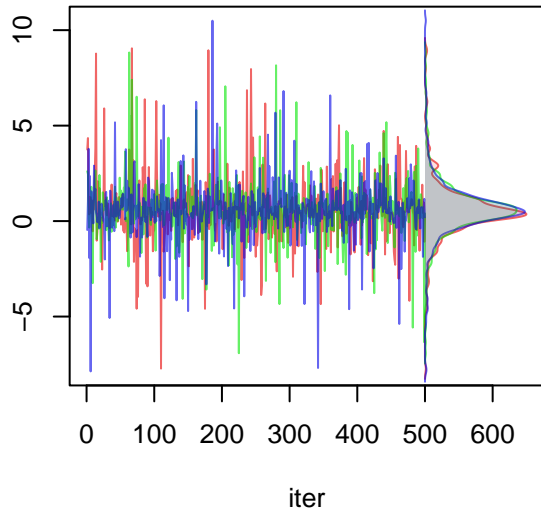


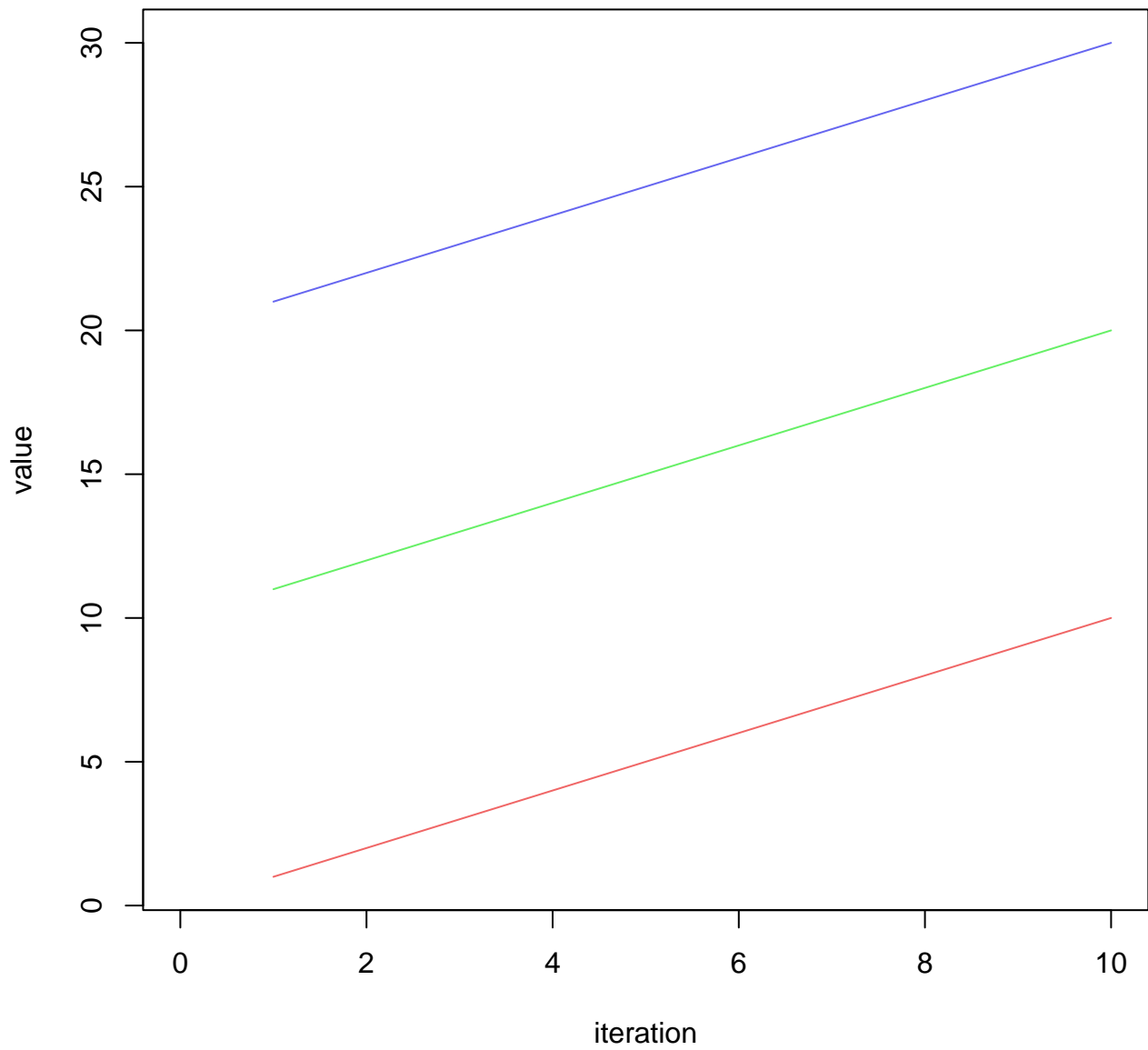
sig_a

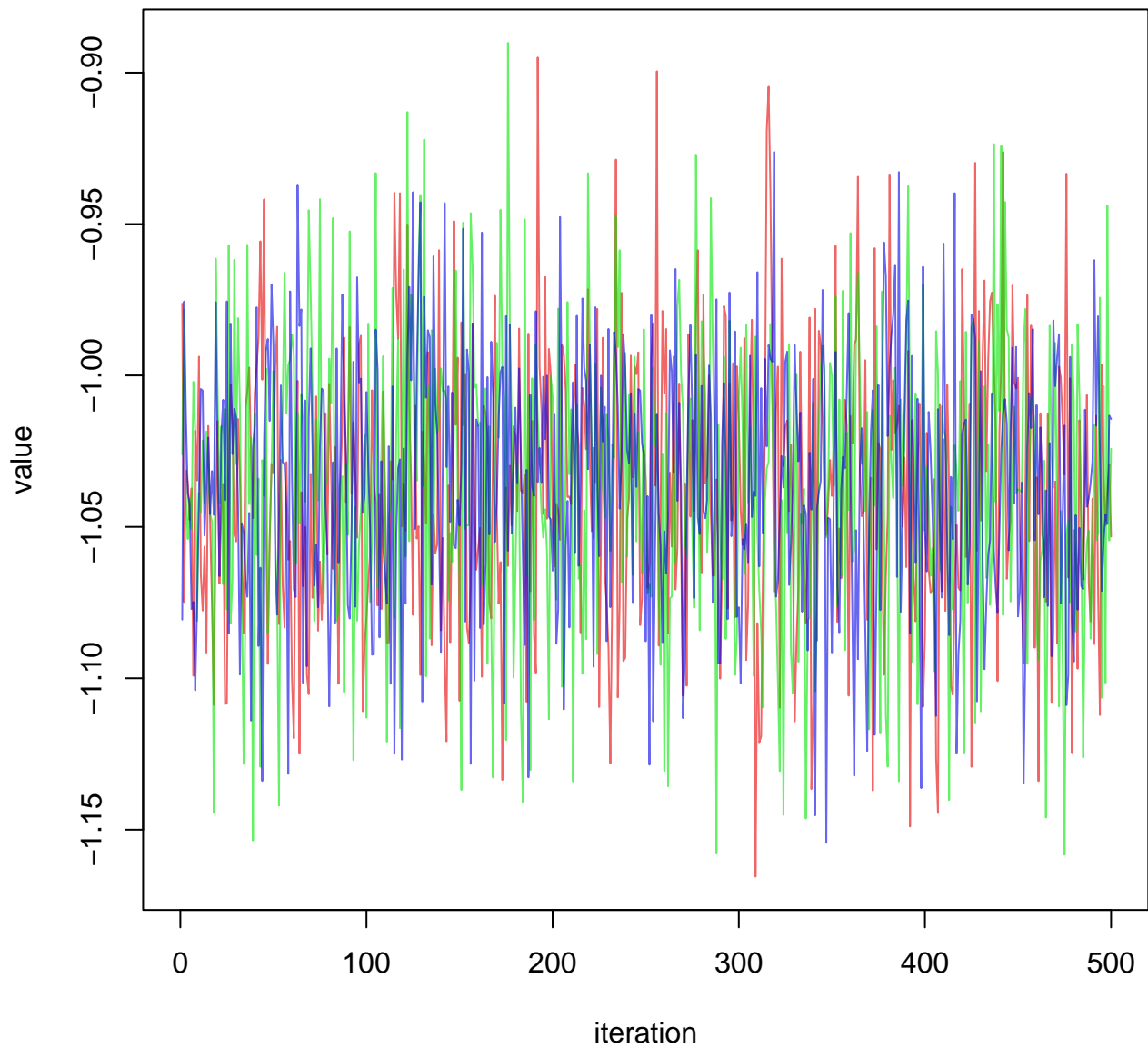


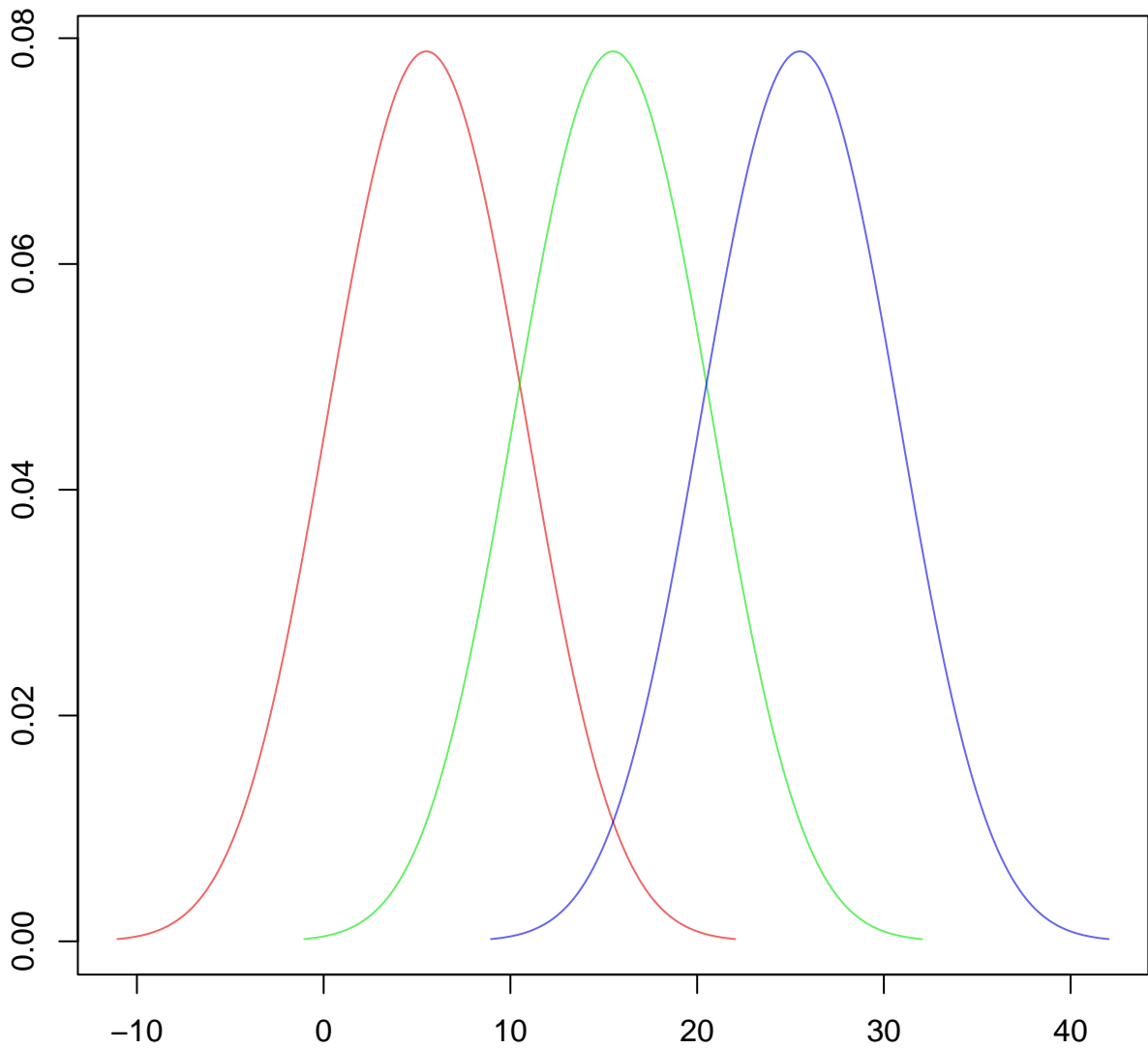
deviance

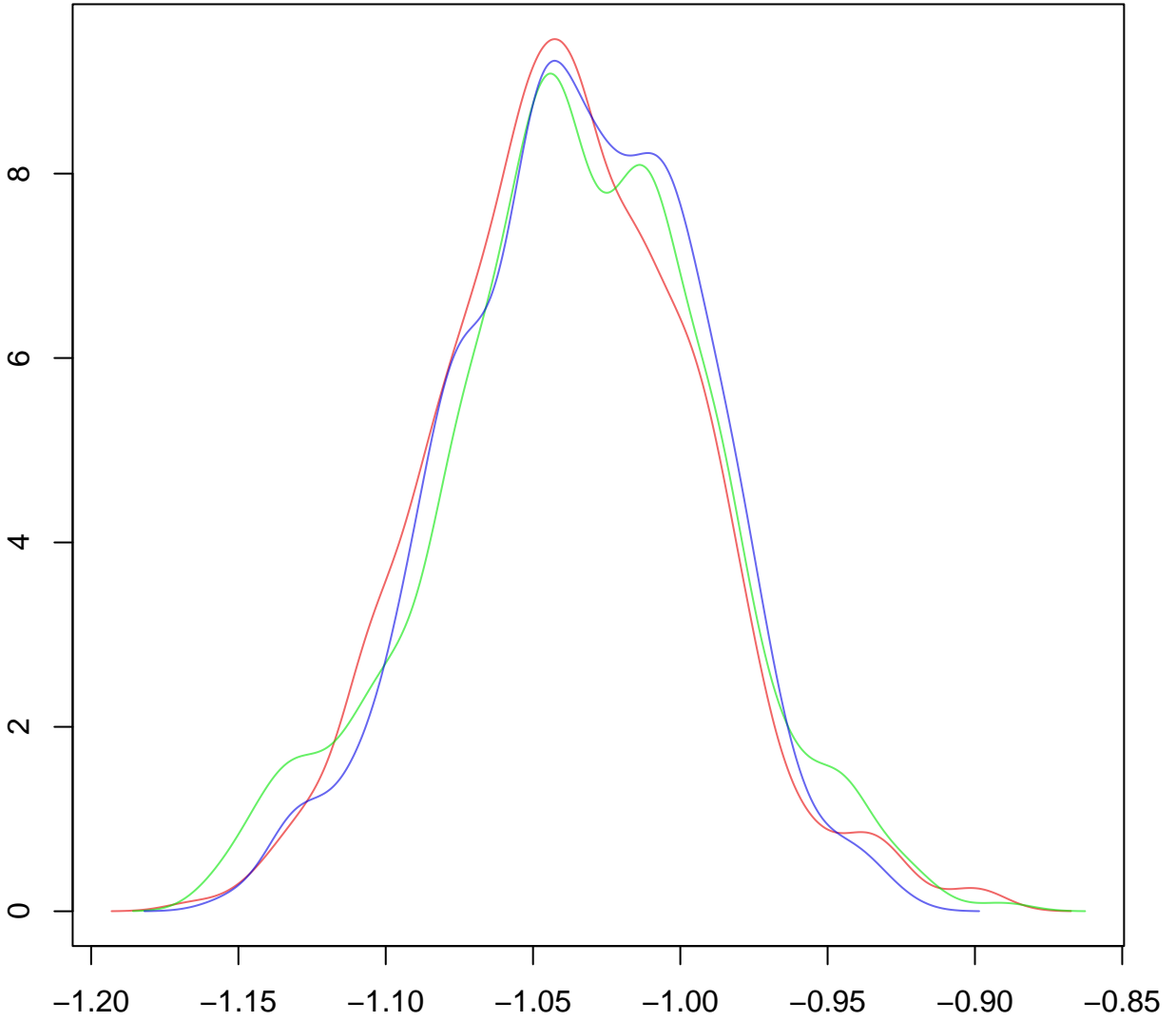


a[1]**a[2]****a[3]**

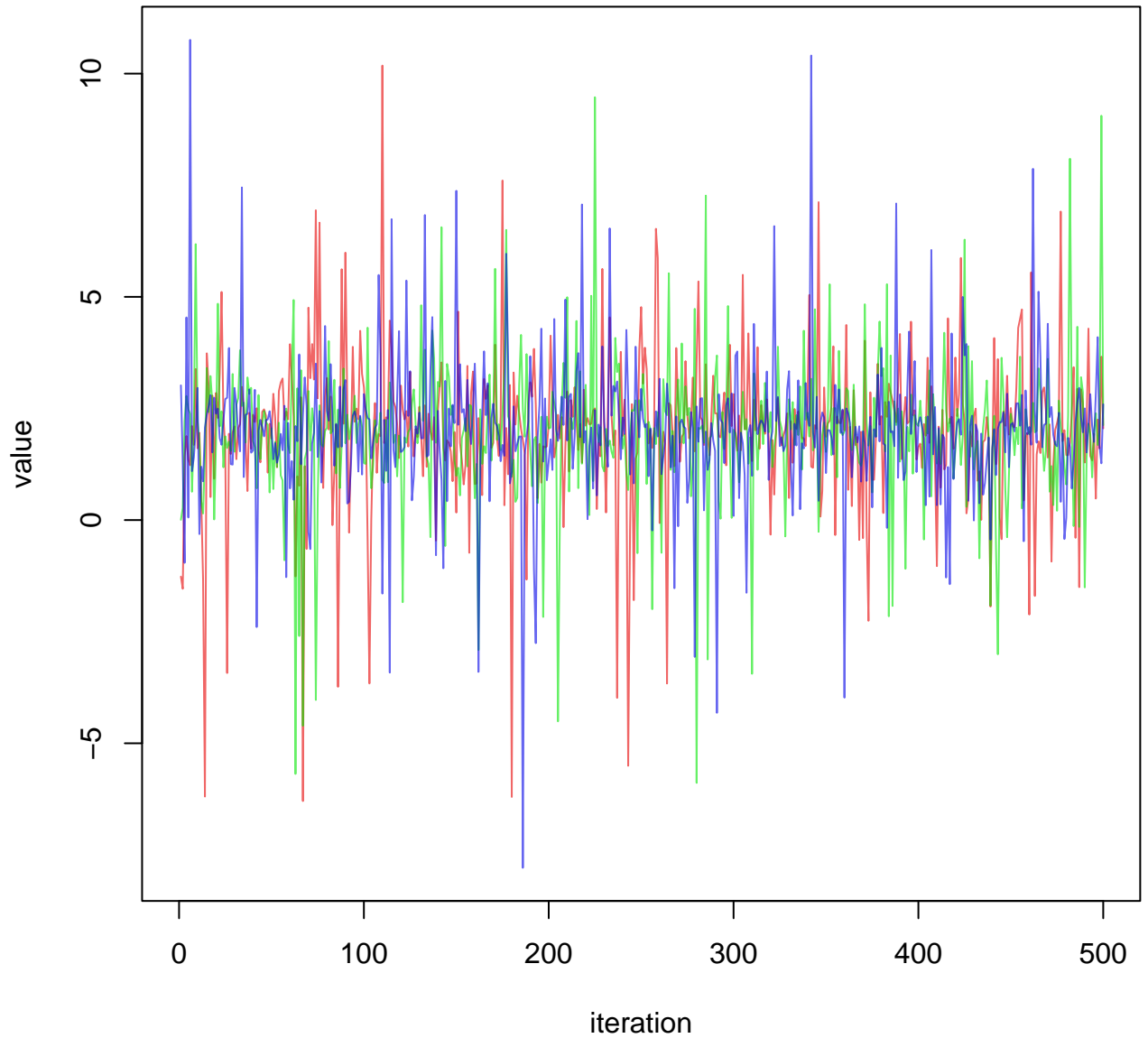




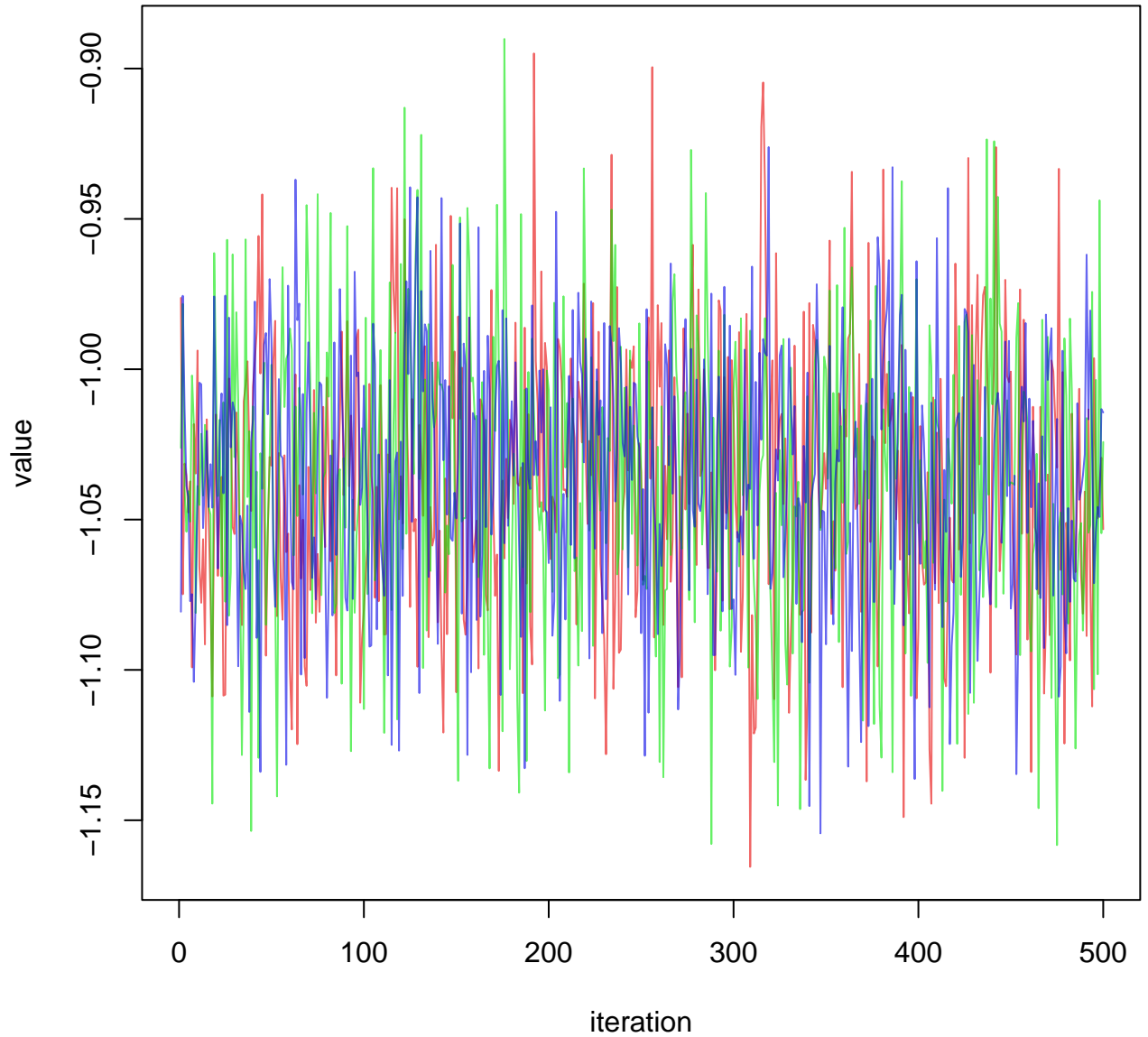




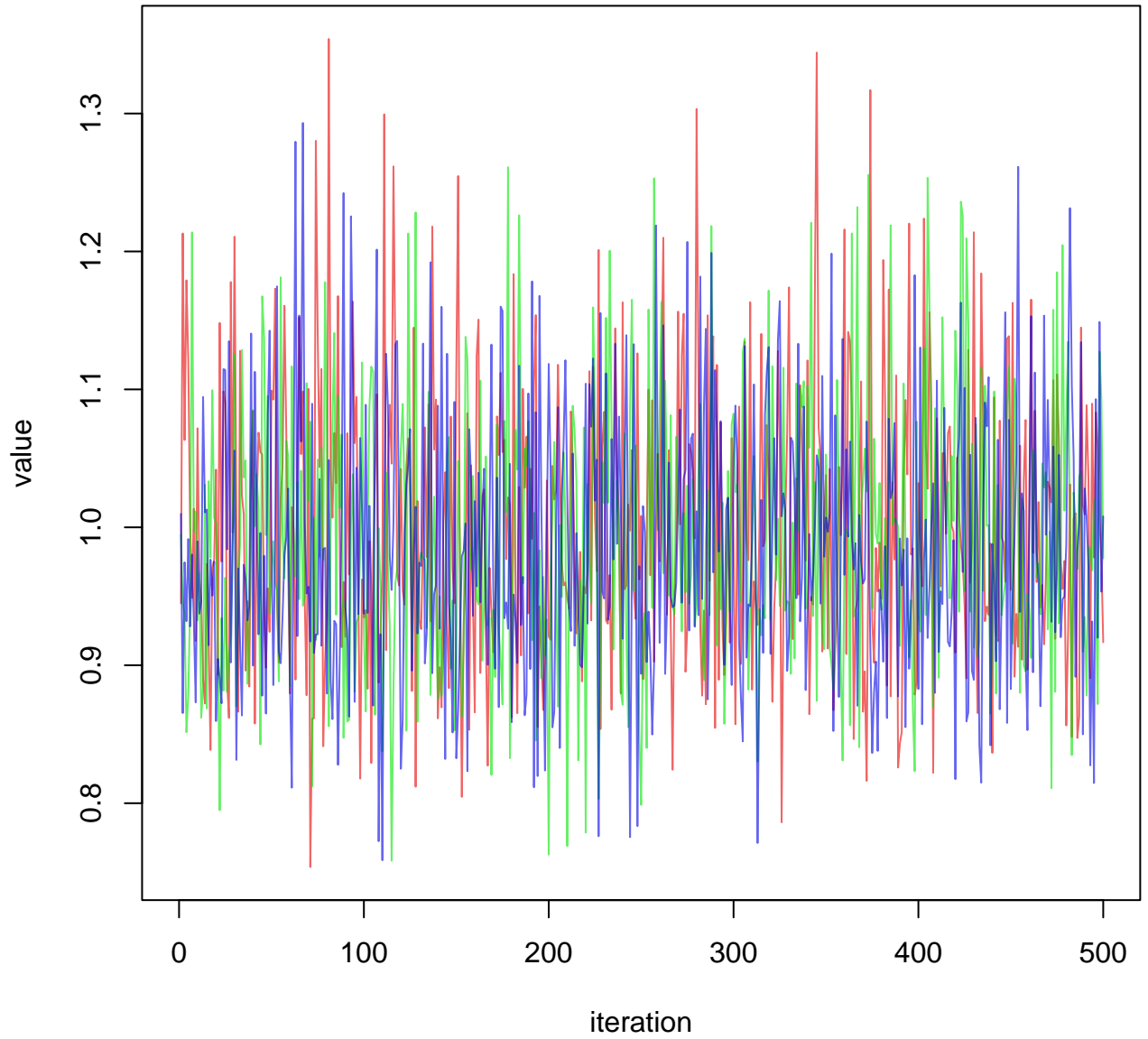
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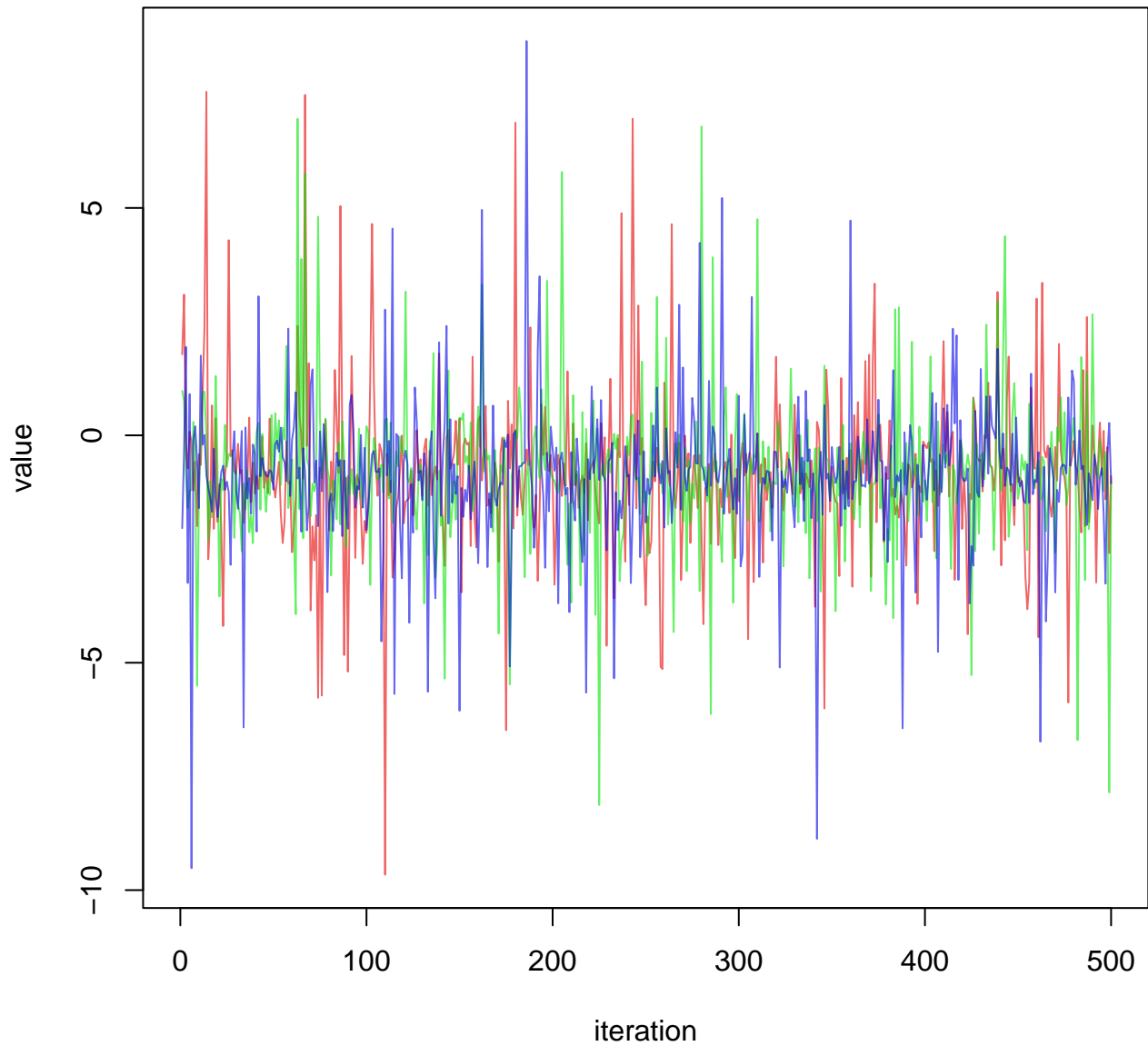
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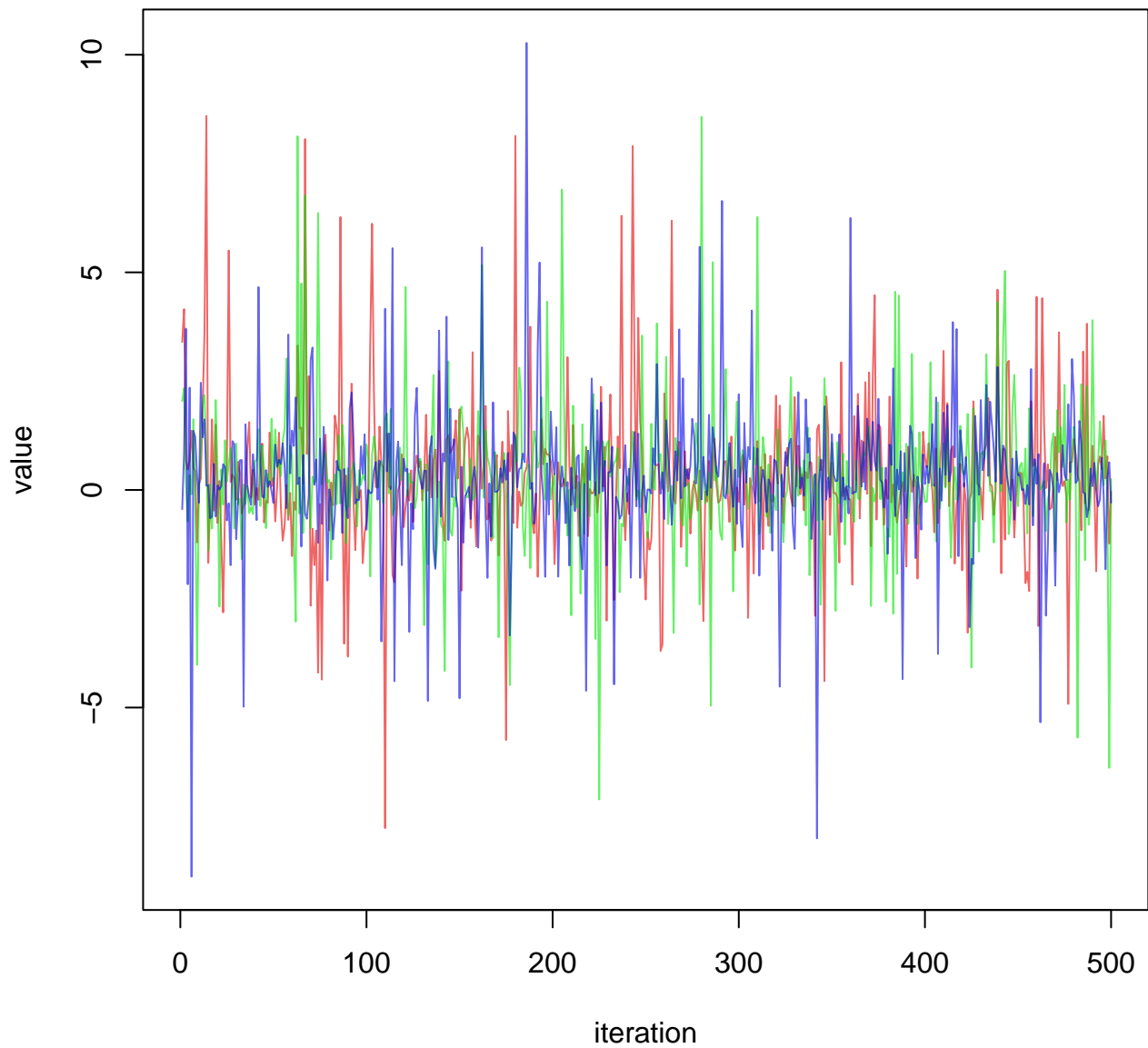
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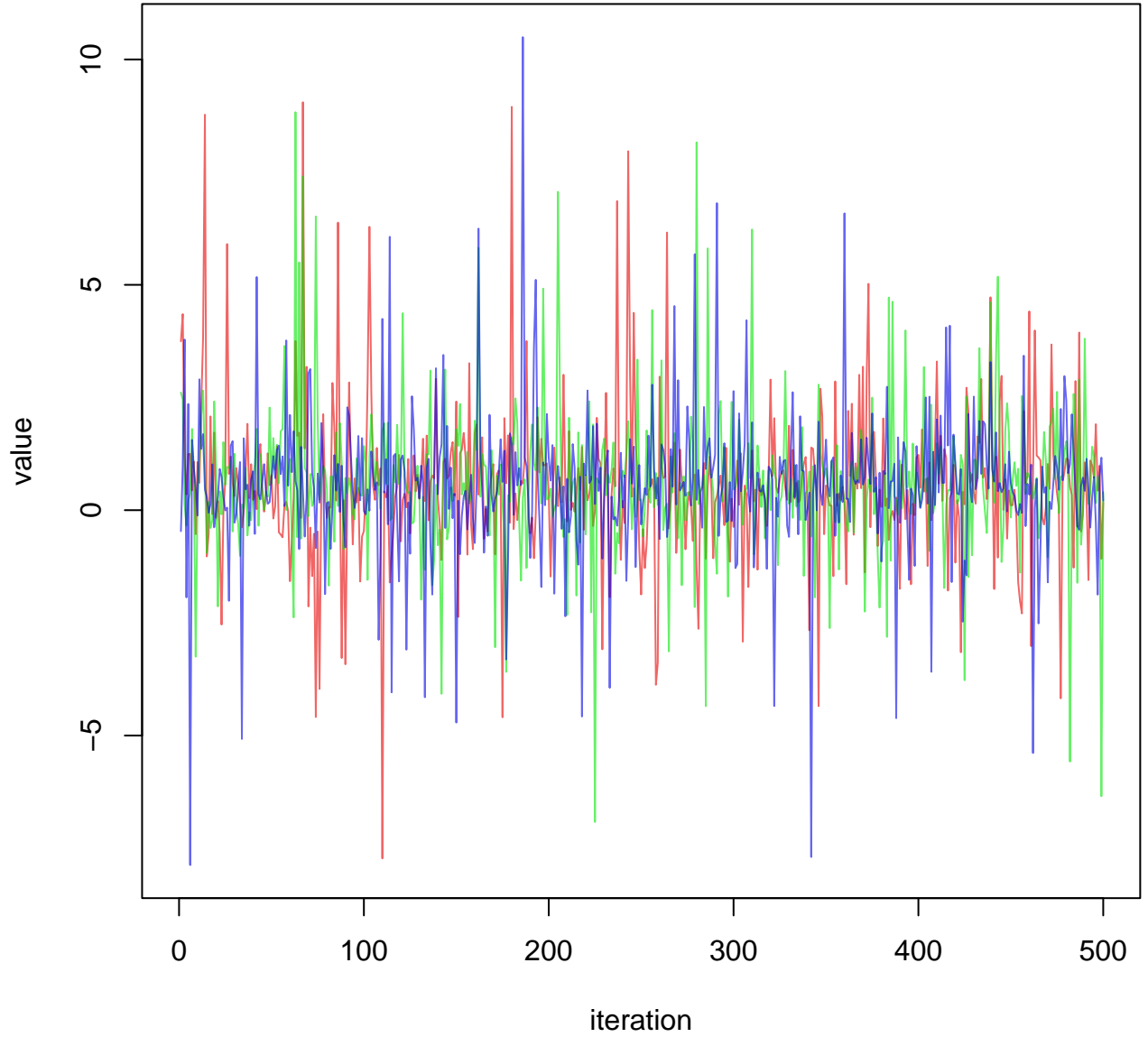
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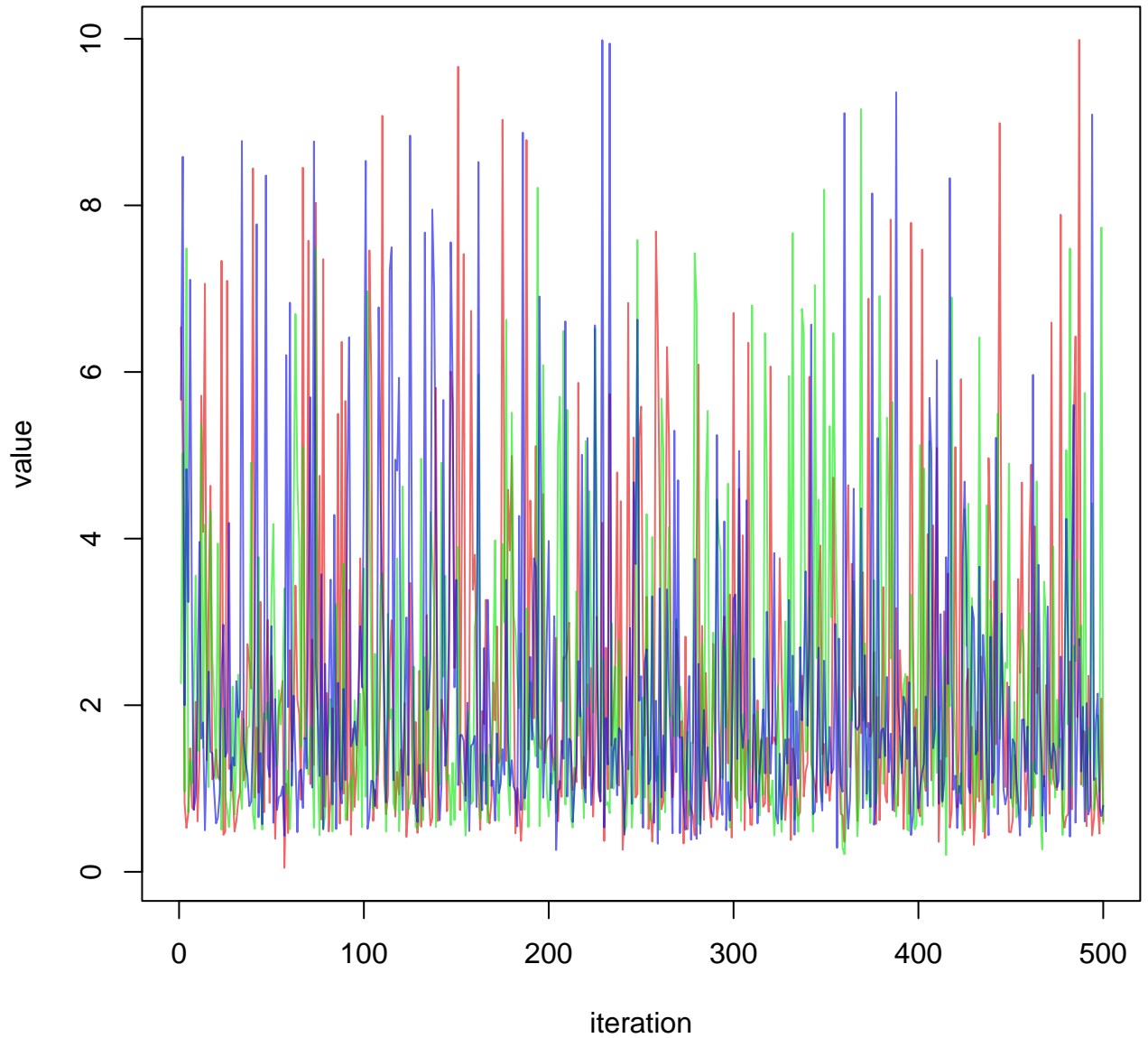
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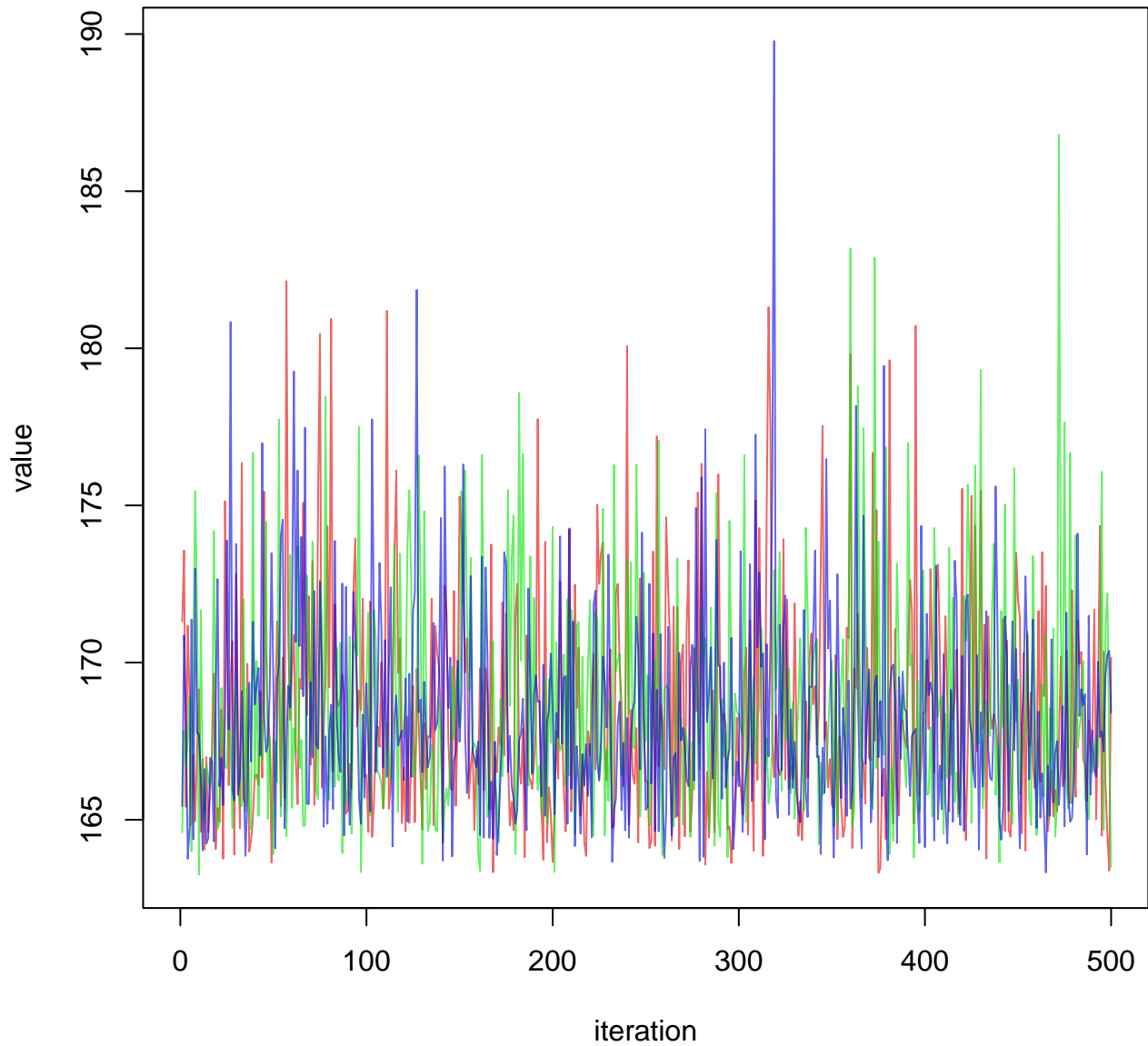
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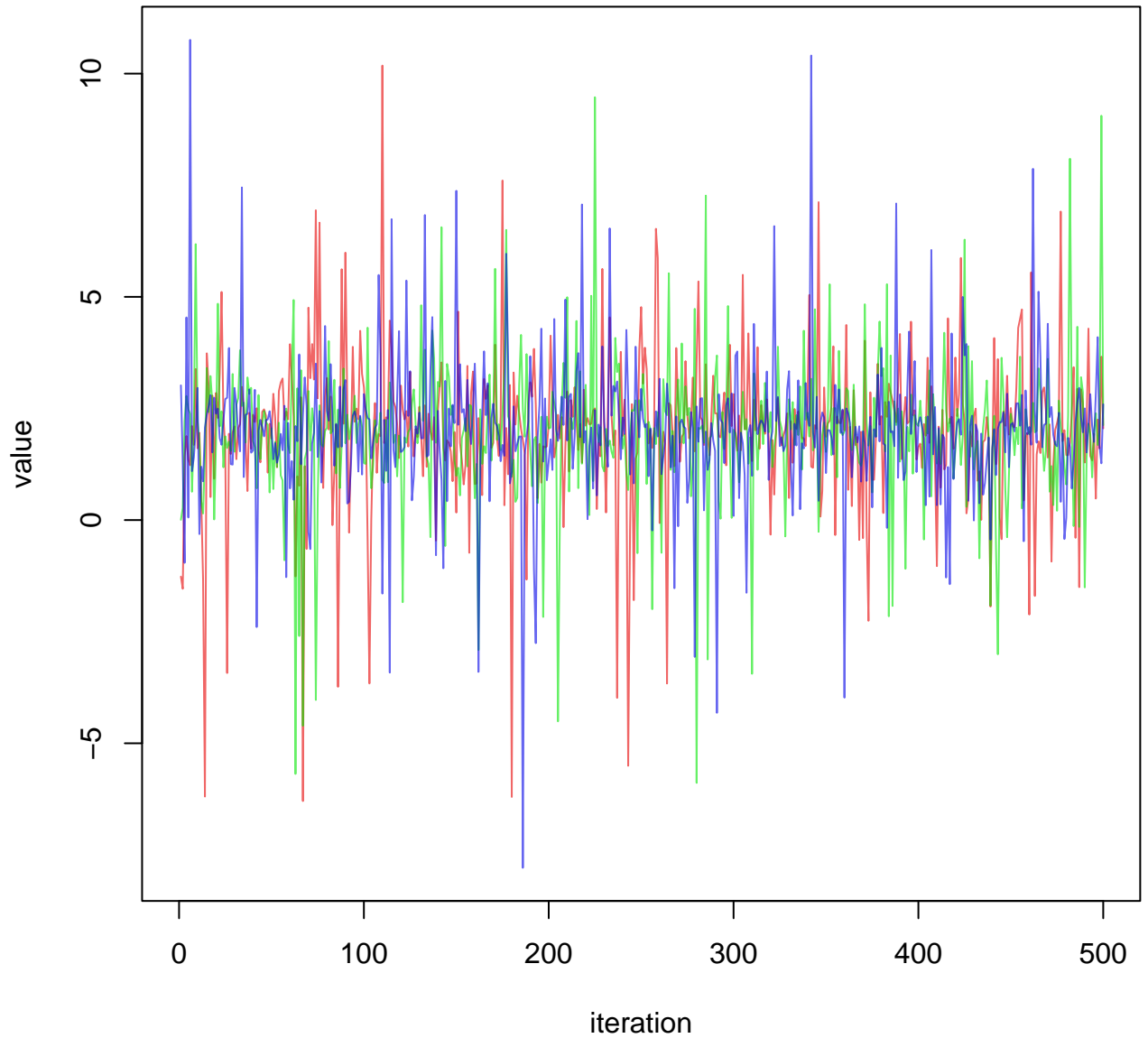
sig_a



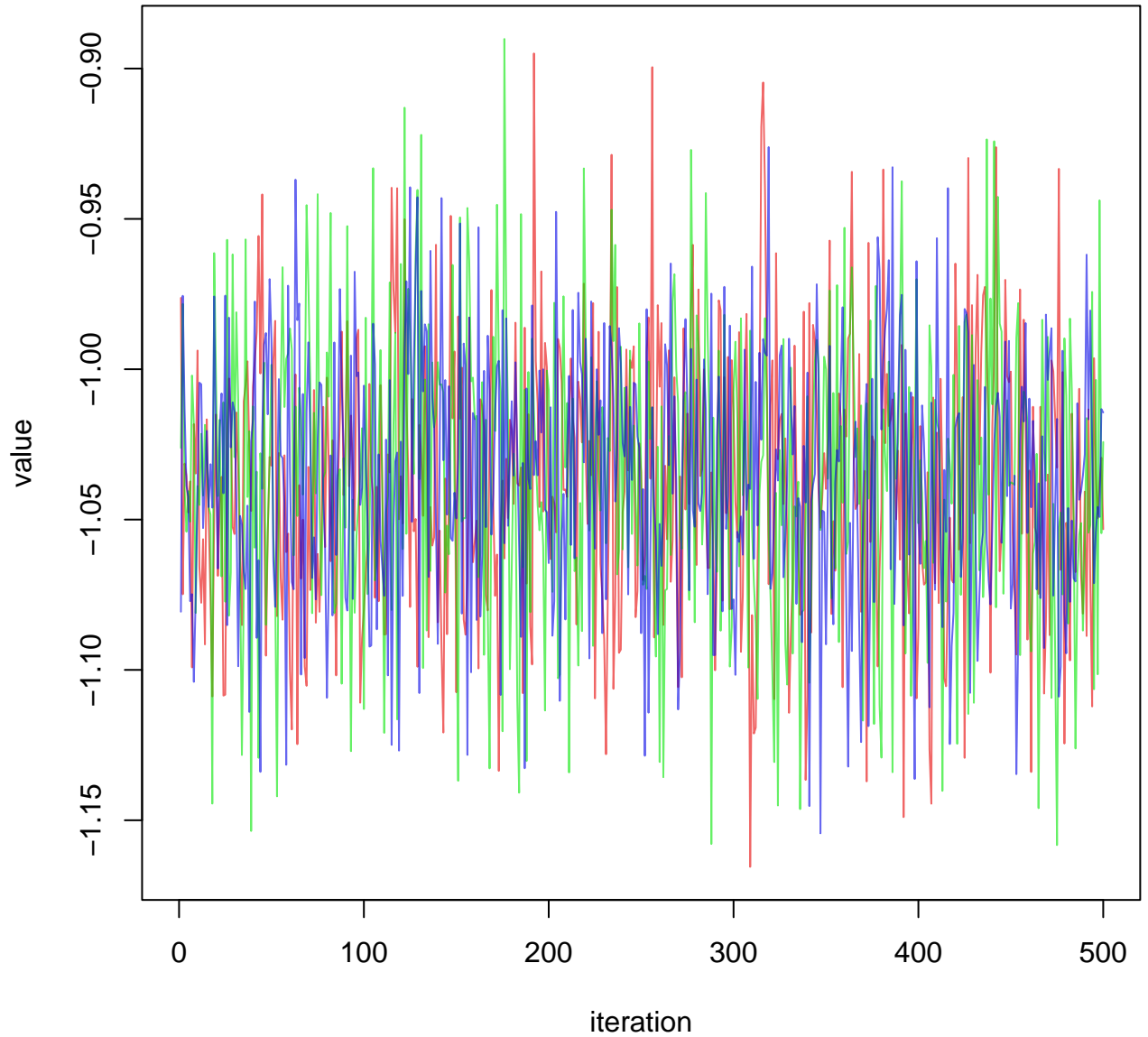
deviance



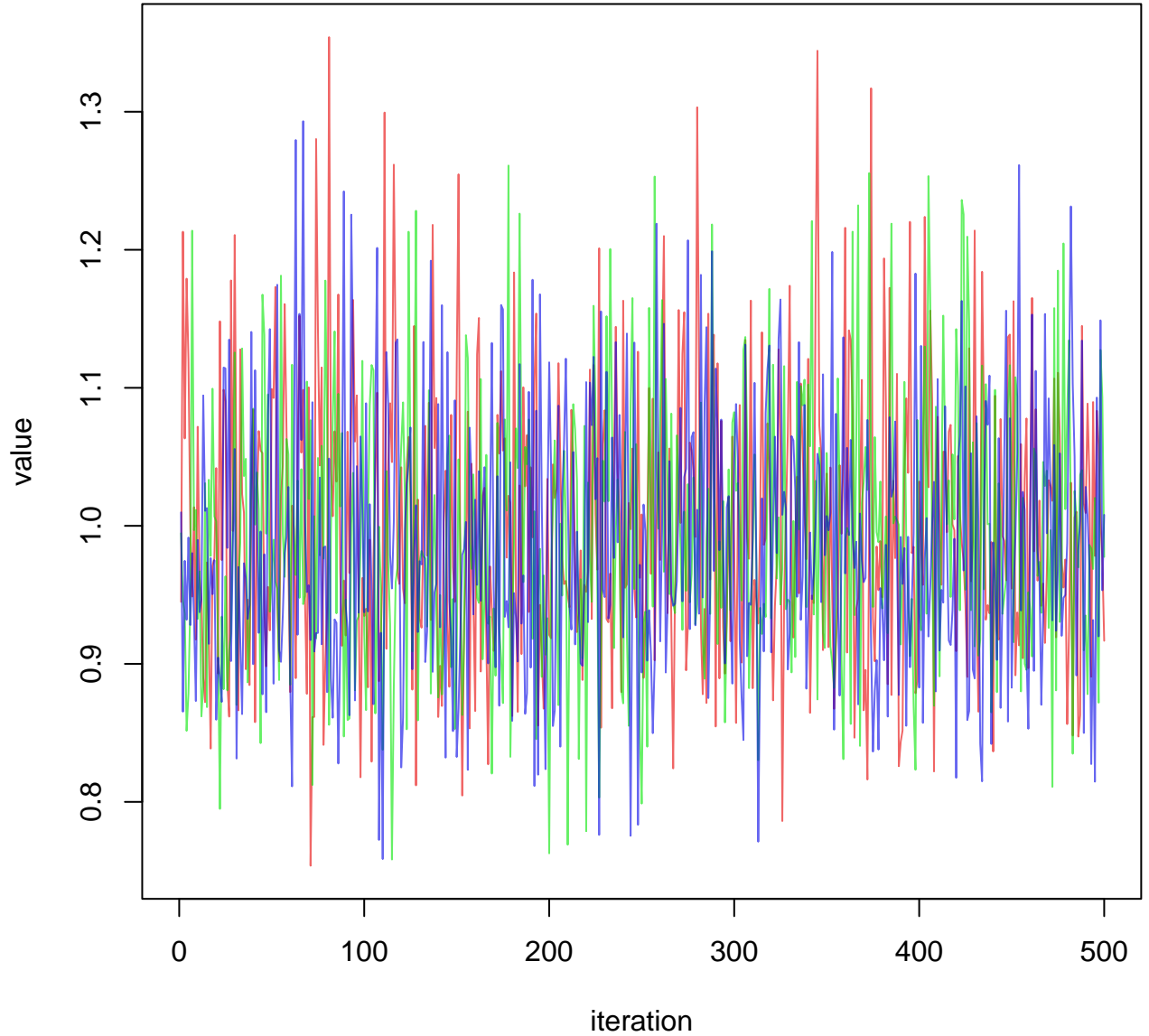
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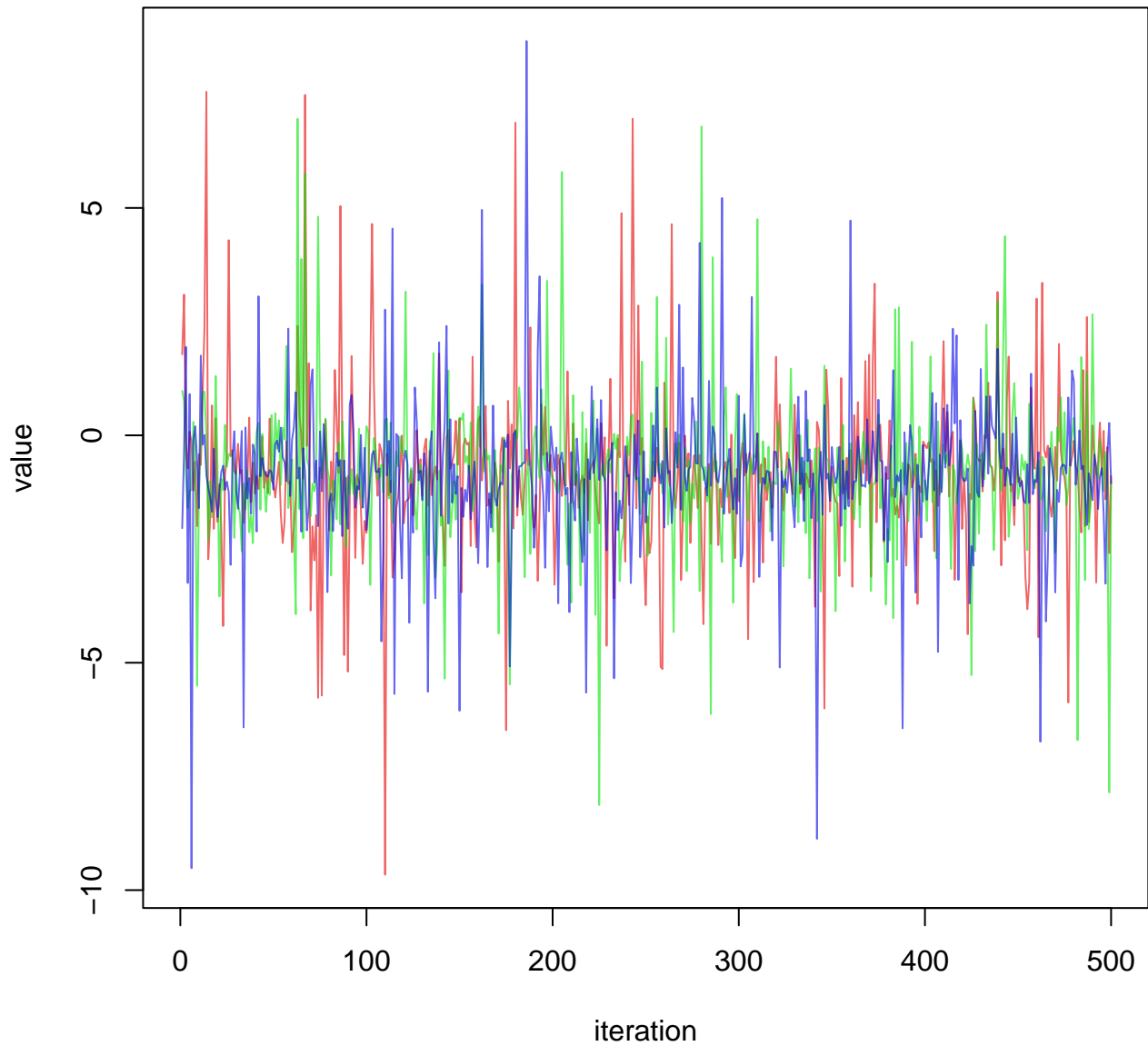
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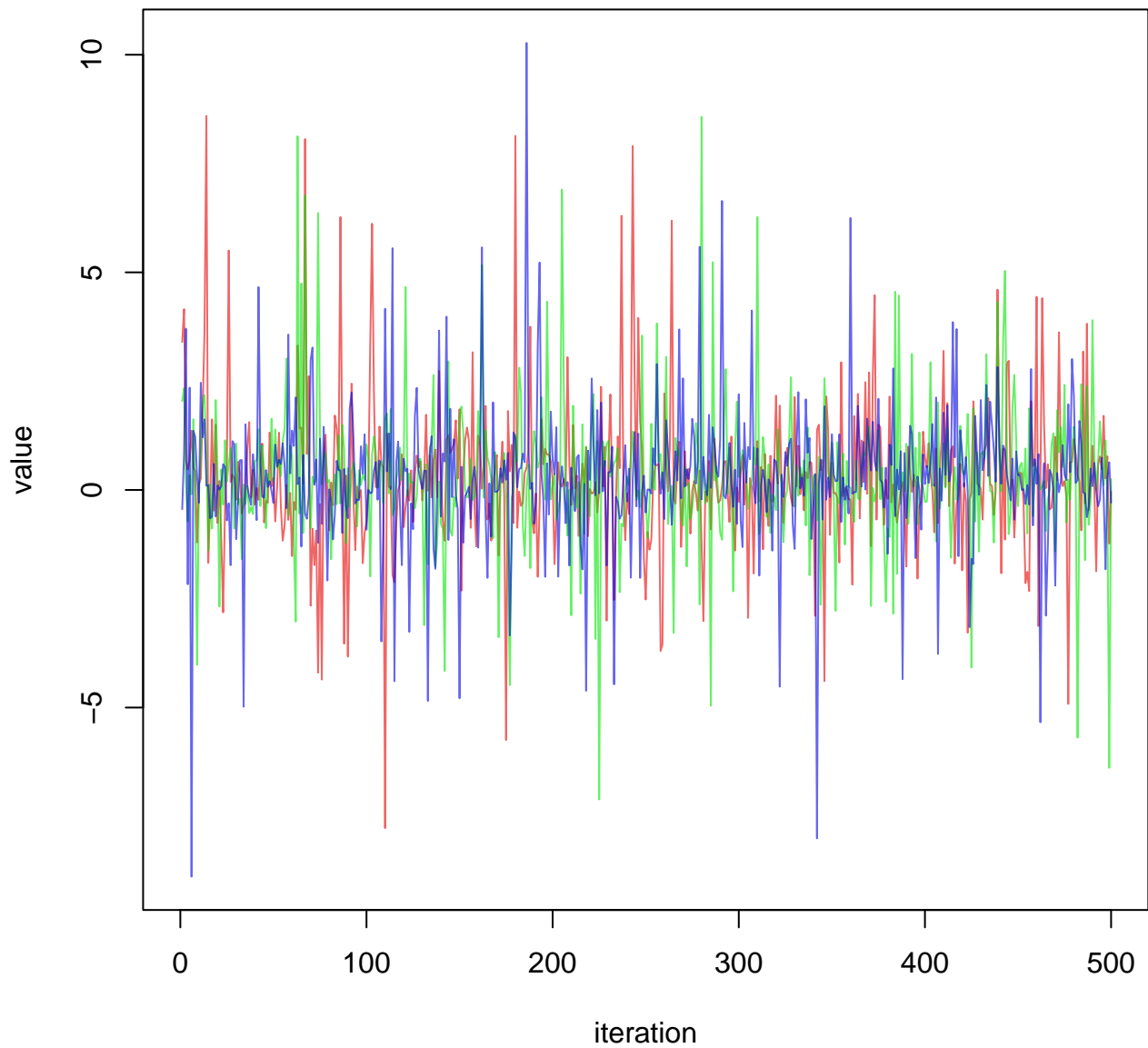
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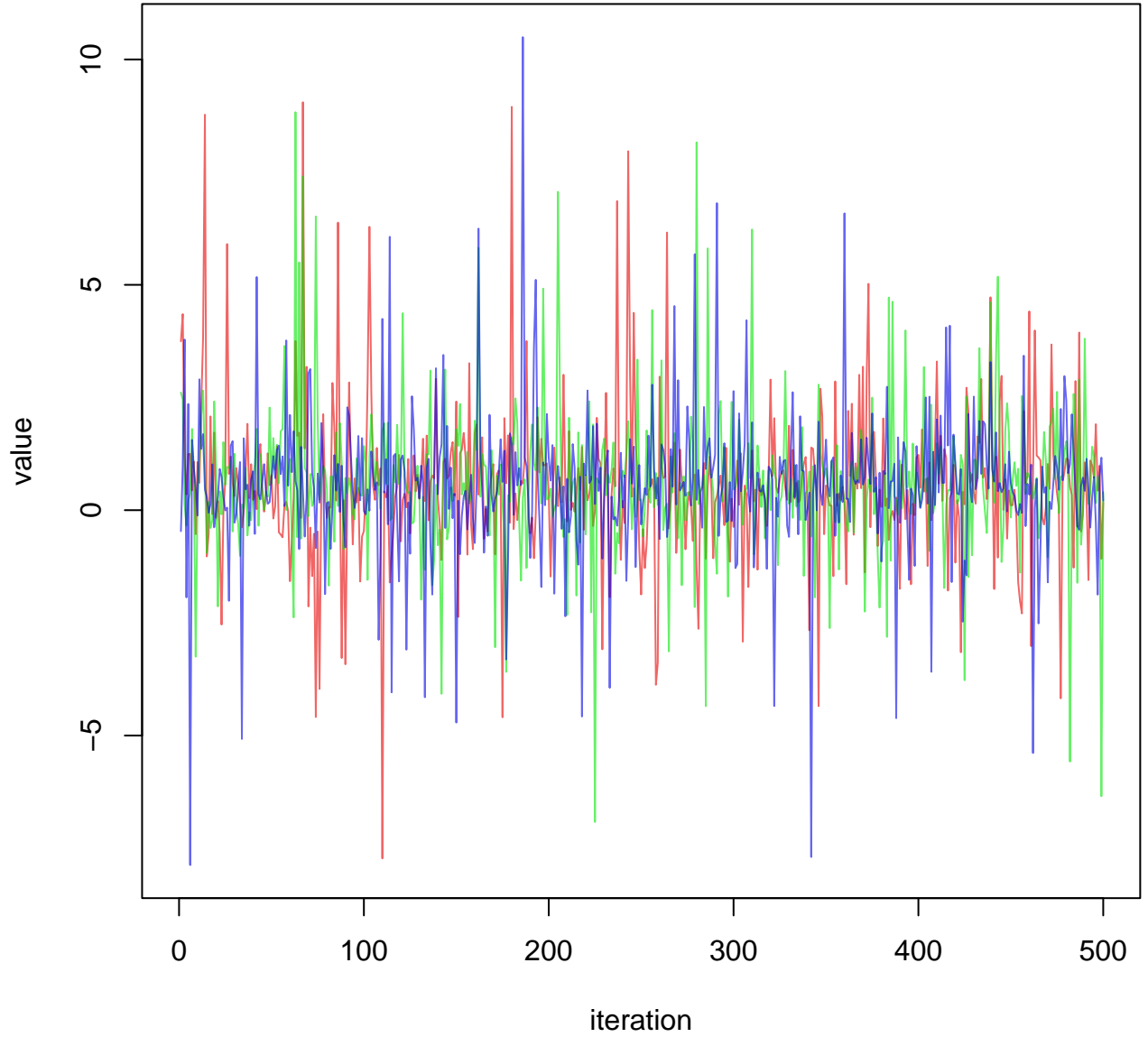
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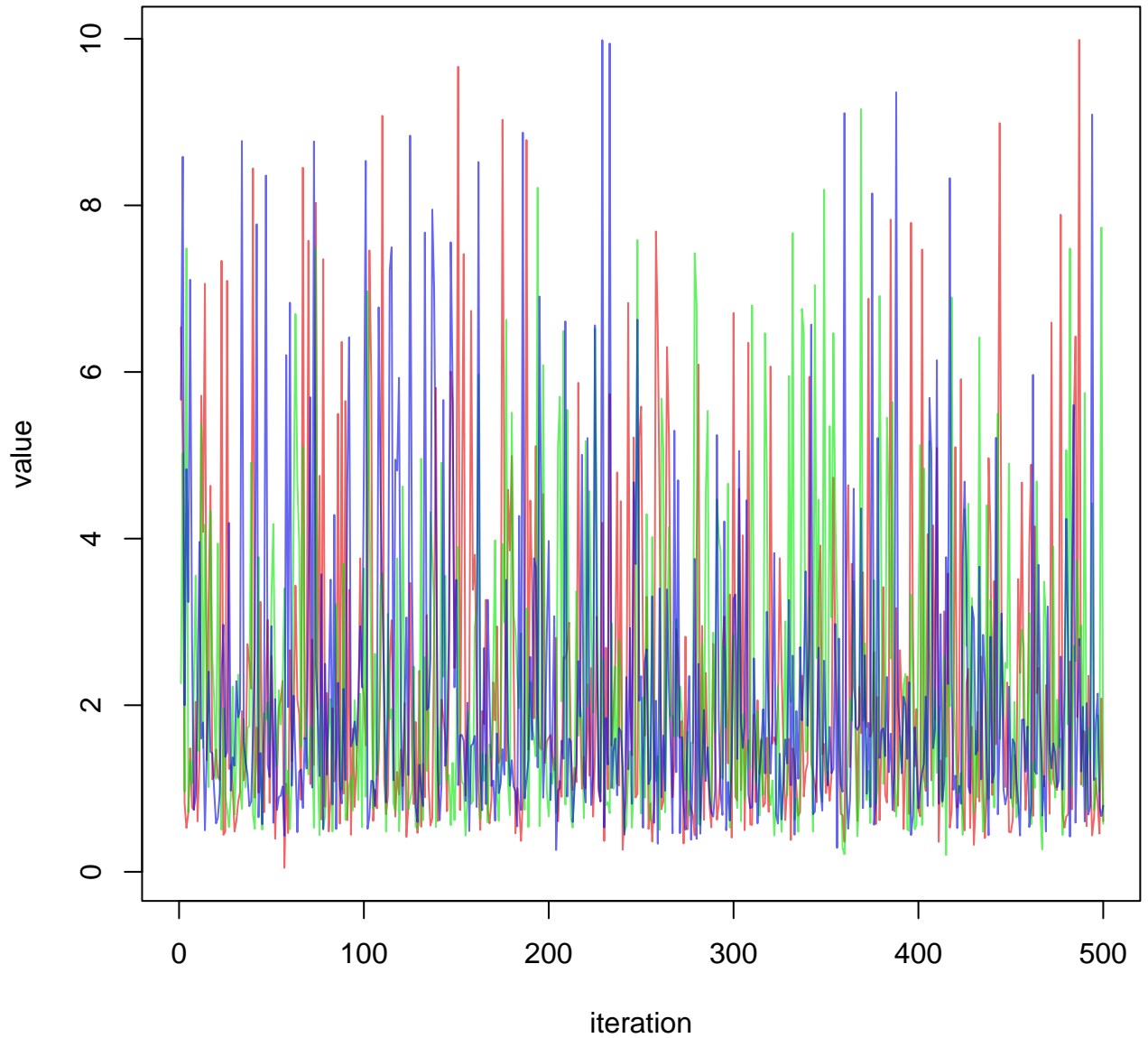
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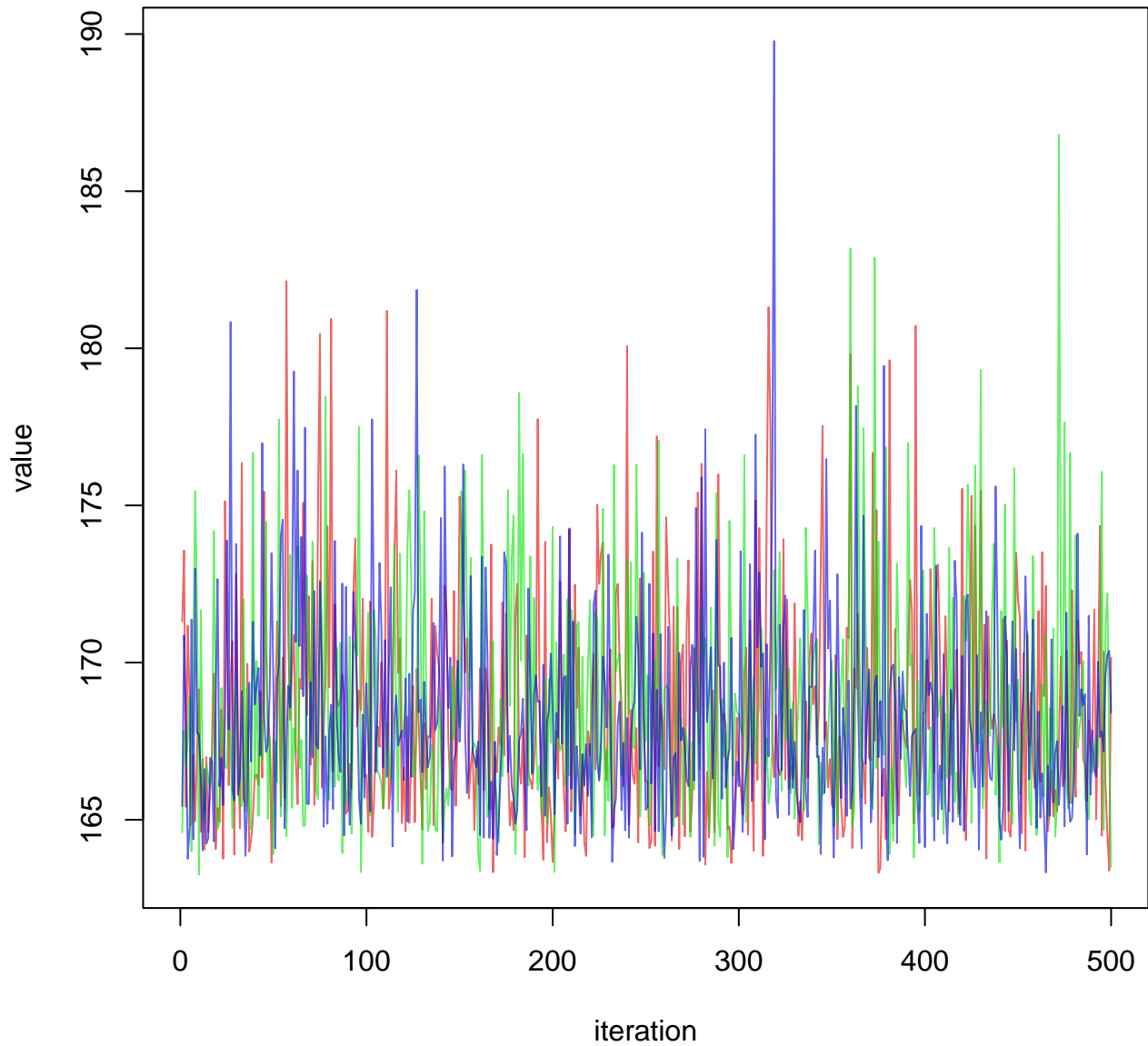
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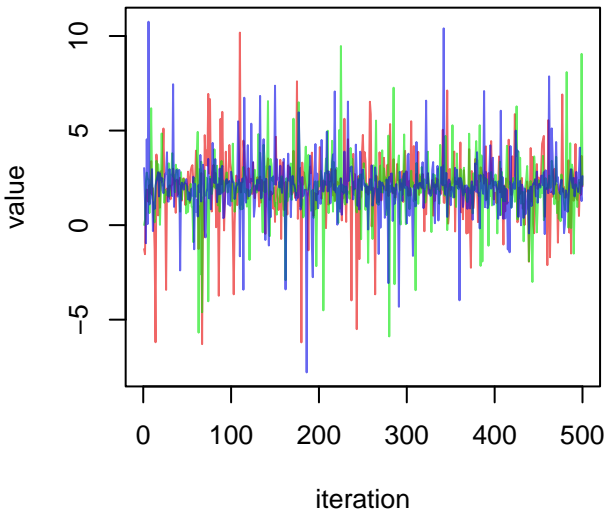
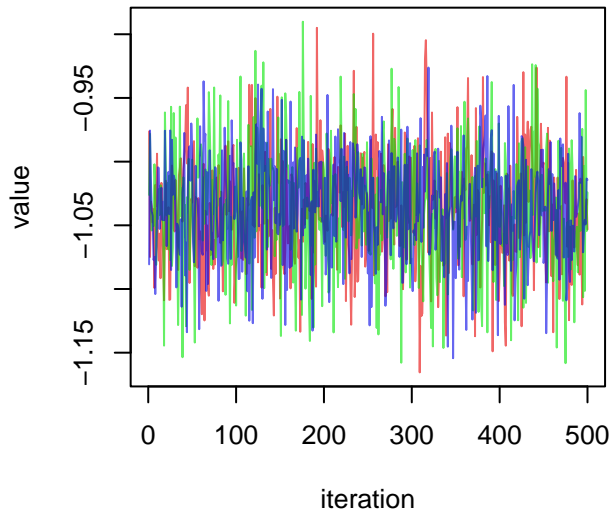
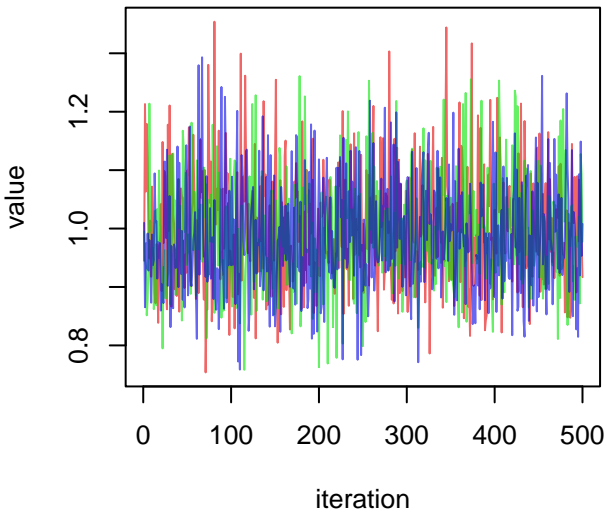
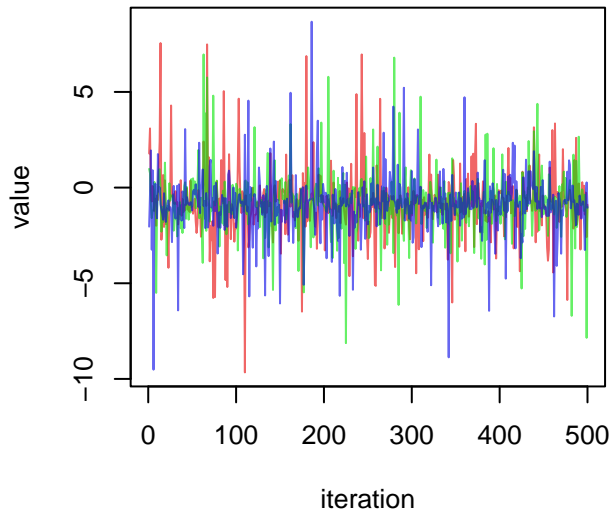


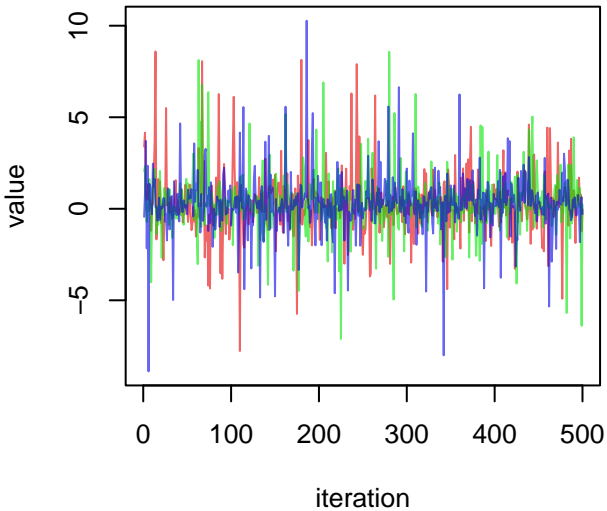
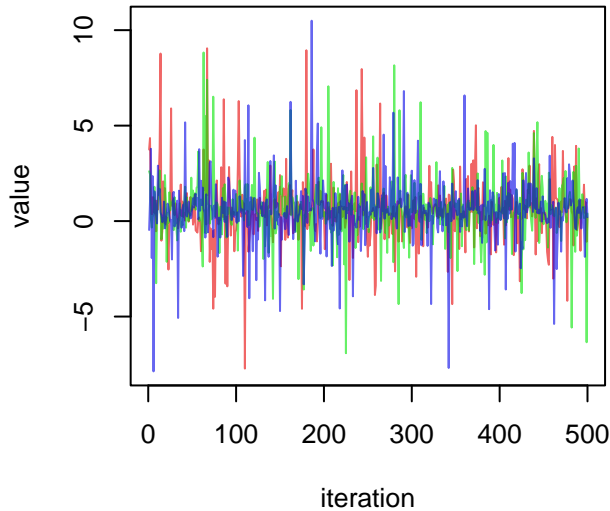
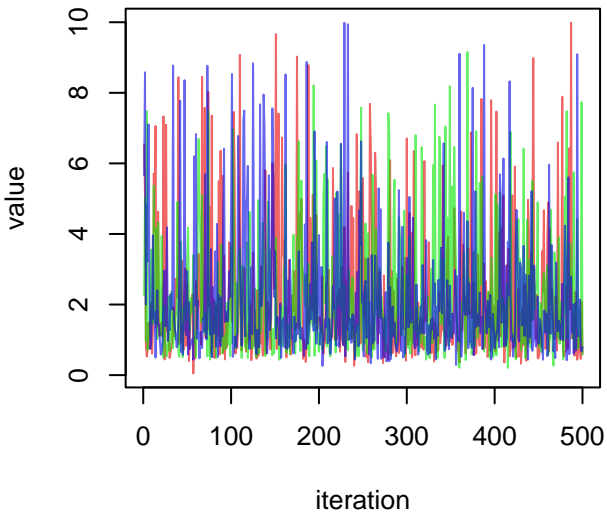
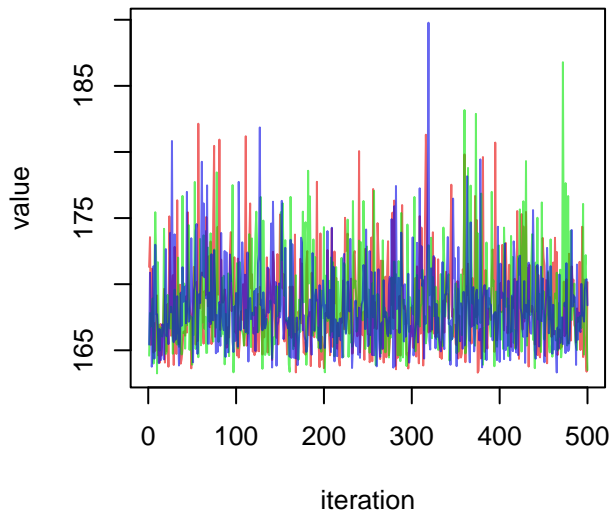
sig_a



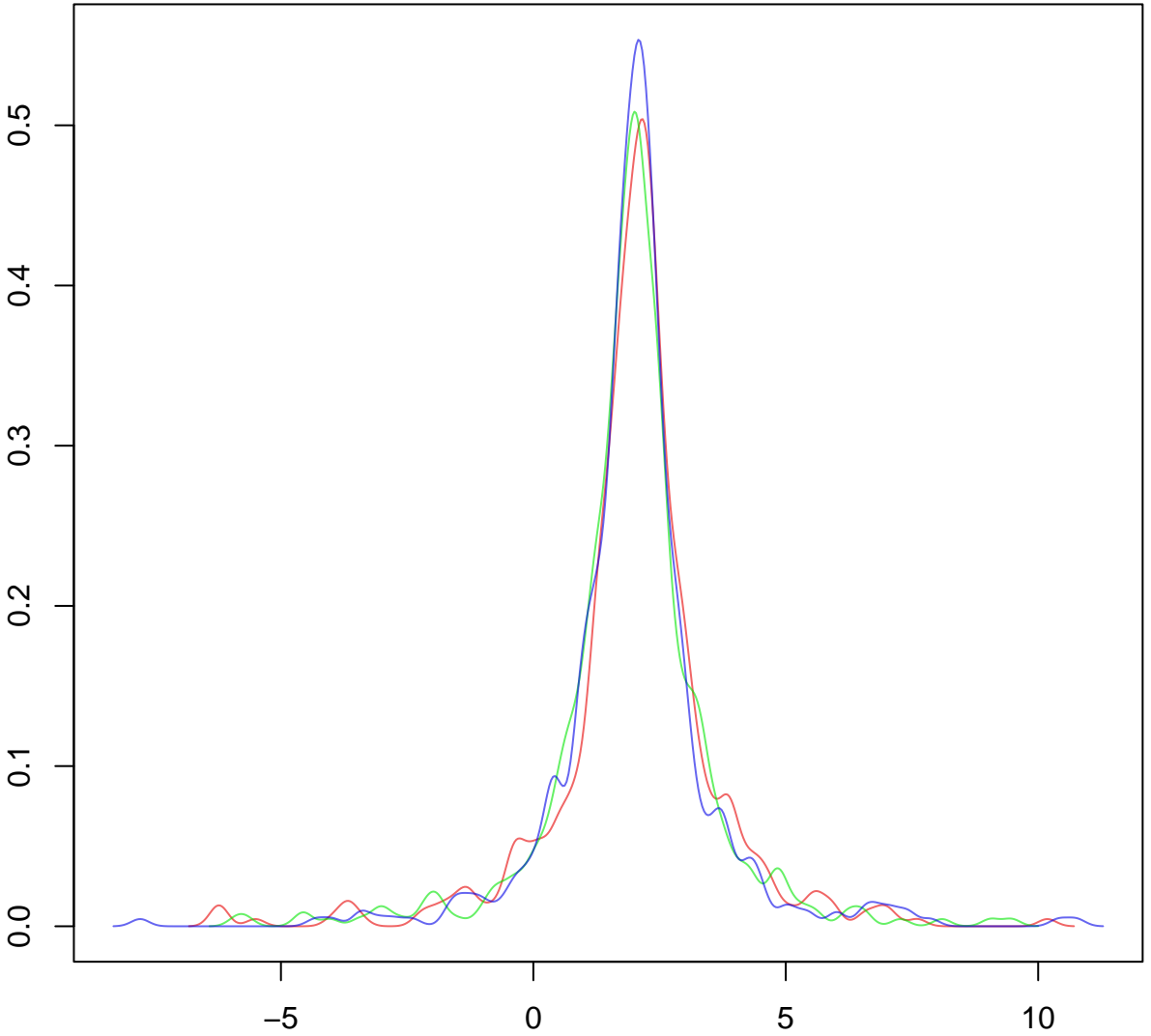
deviance



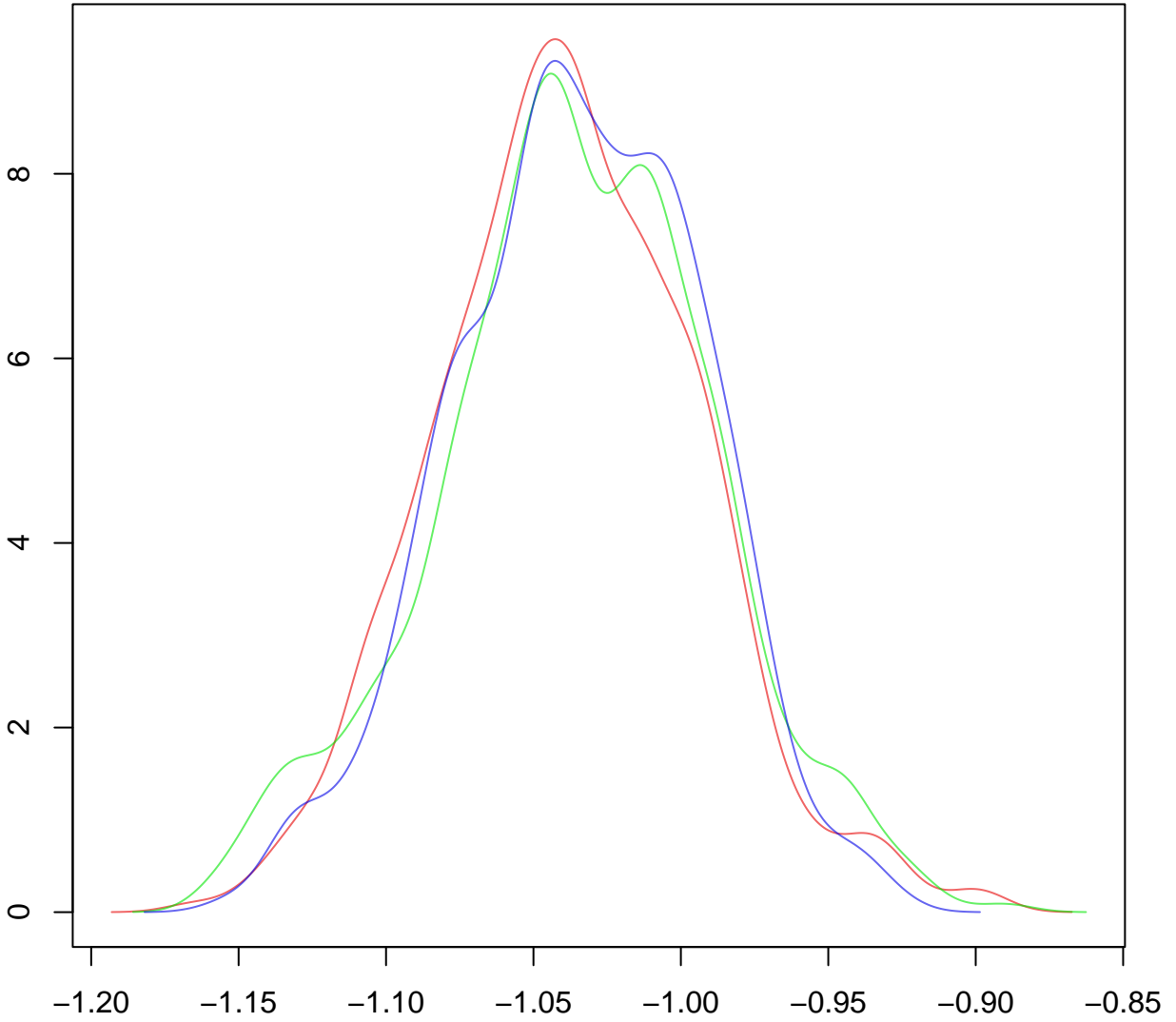
b0**b1****sig****a[1]**

a[2]**a[3]****sig_a****deviance**

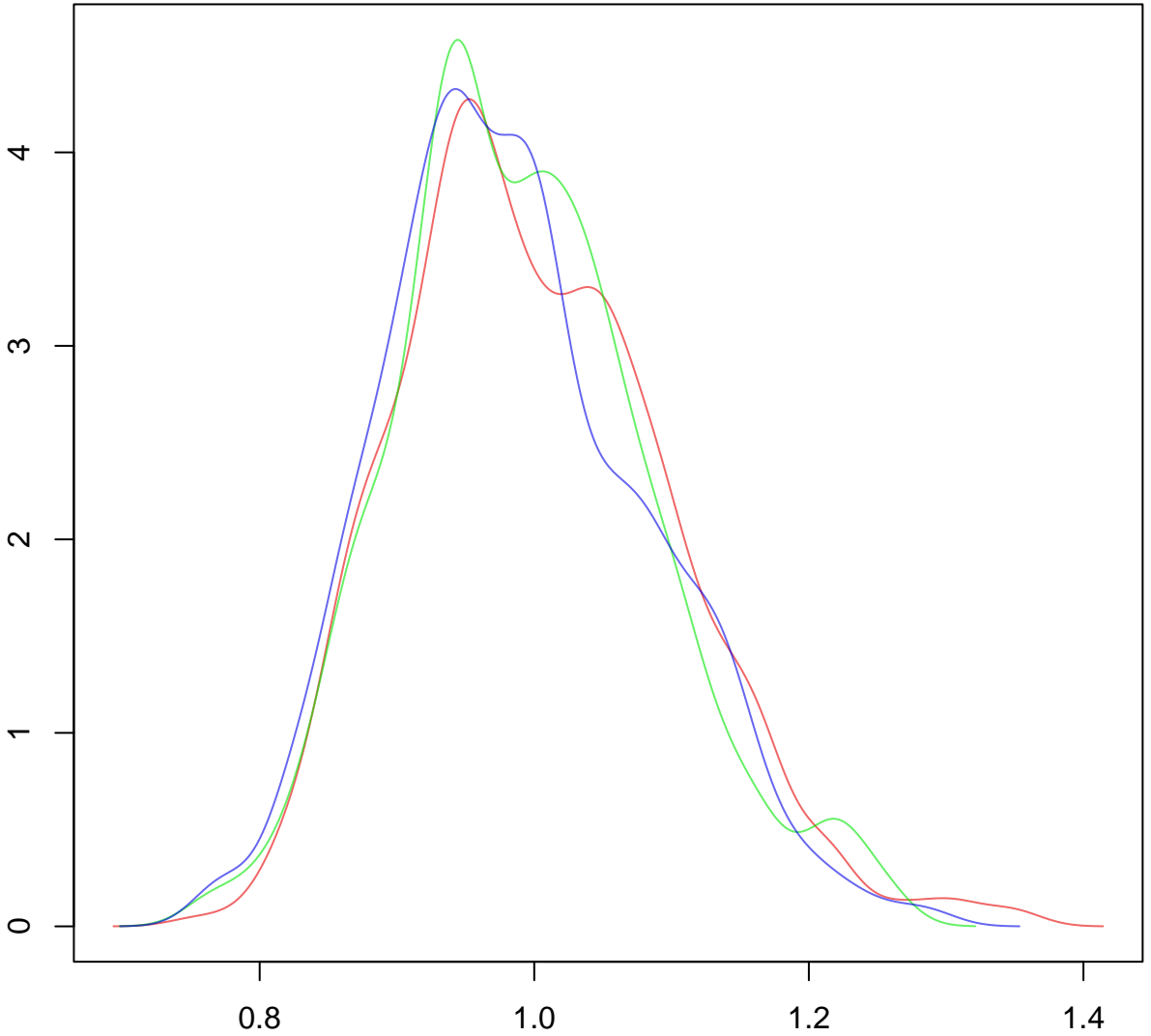
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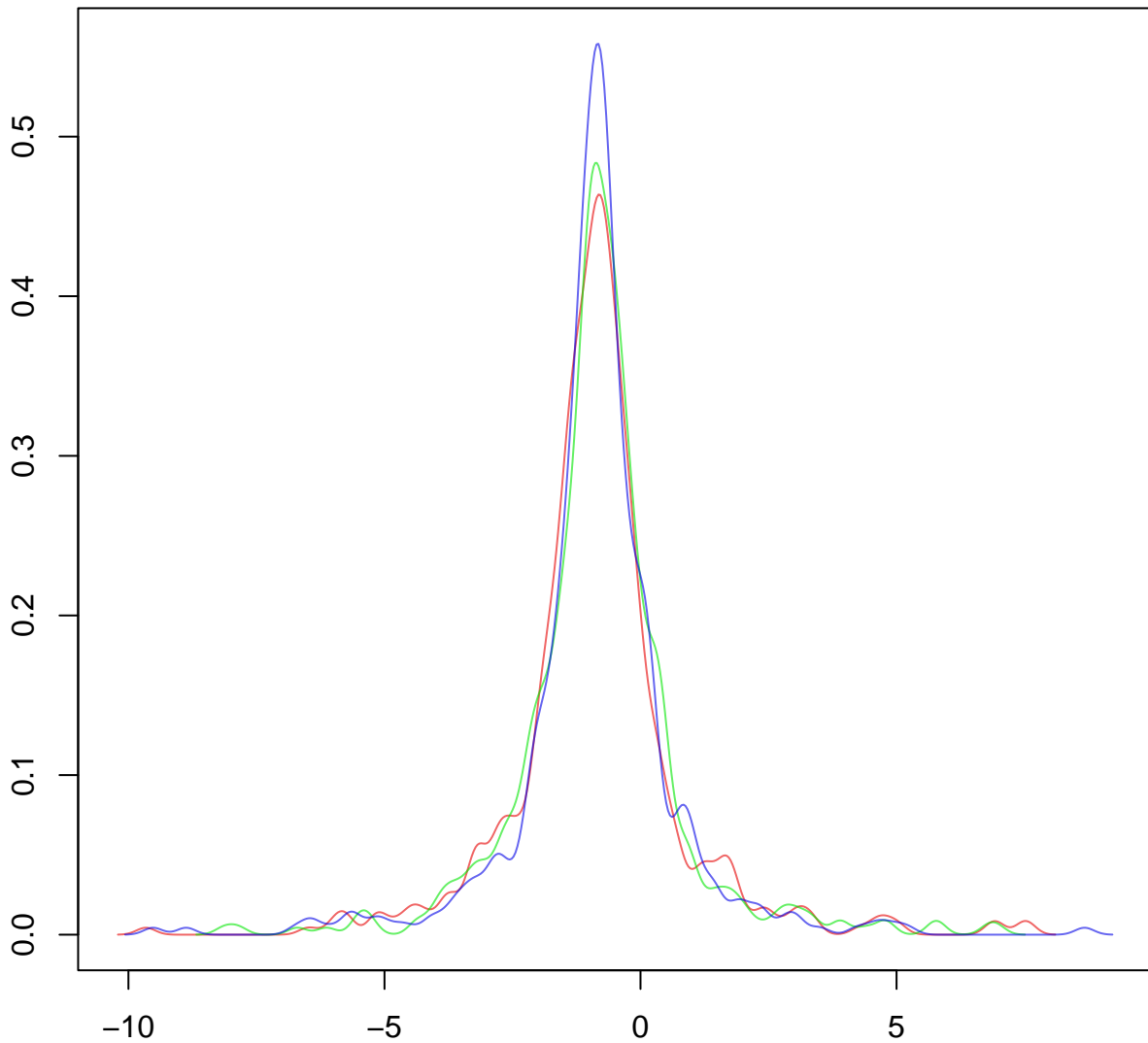
b1



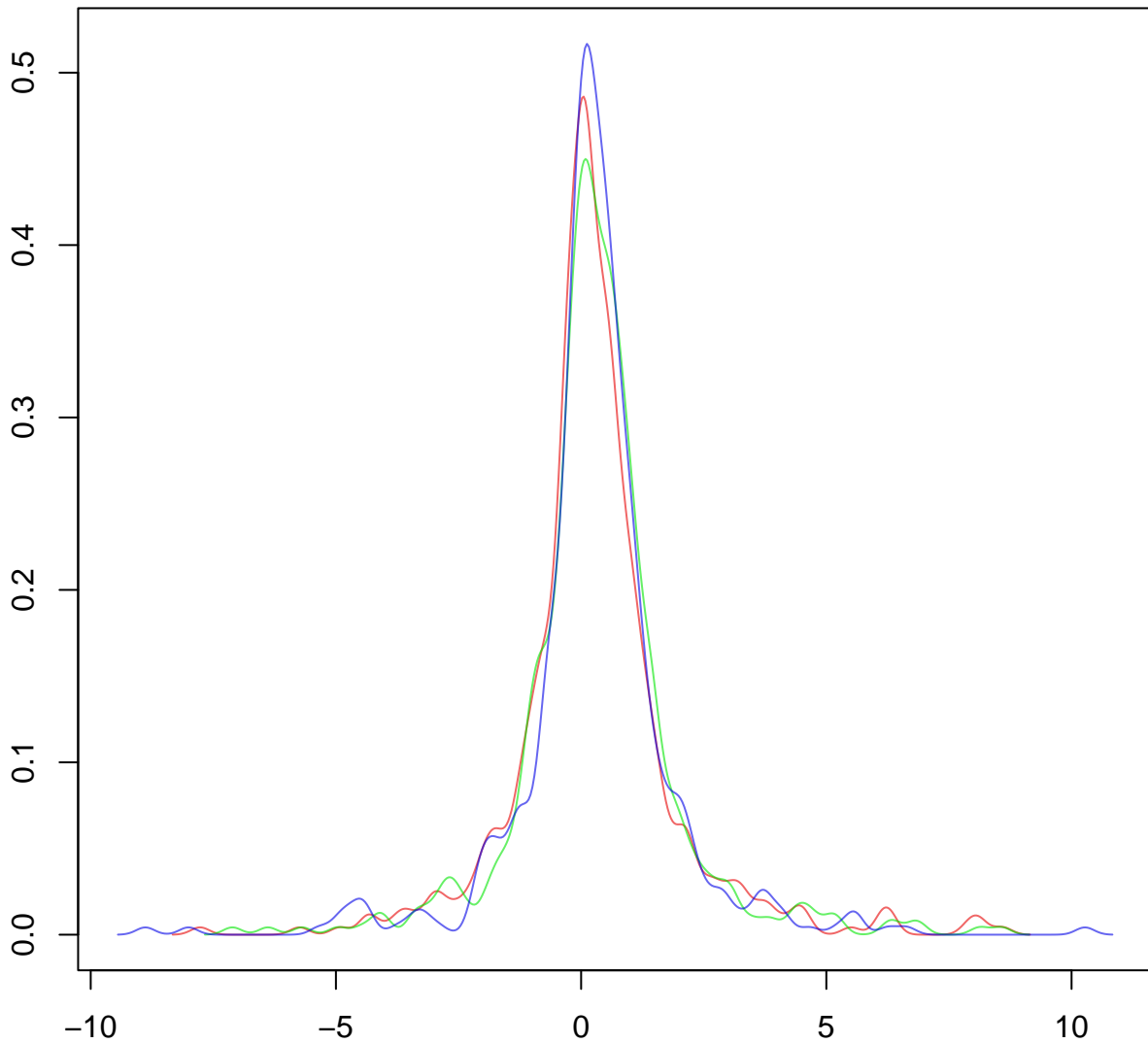
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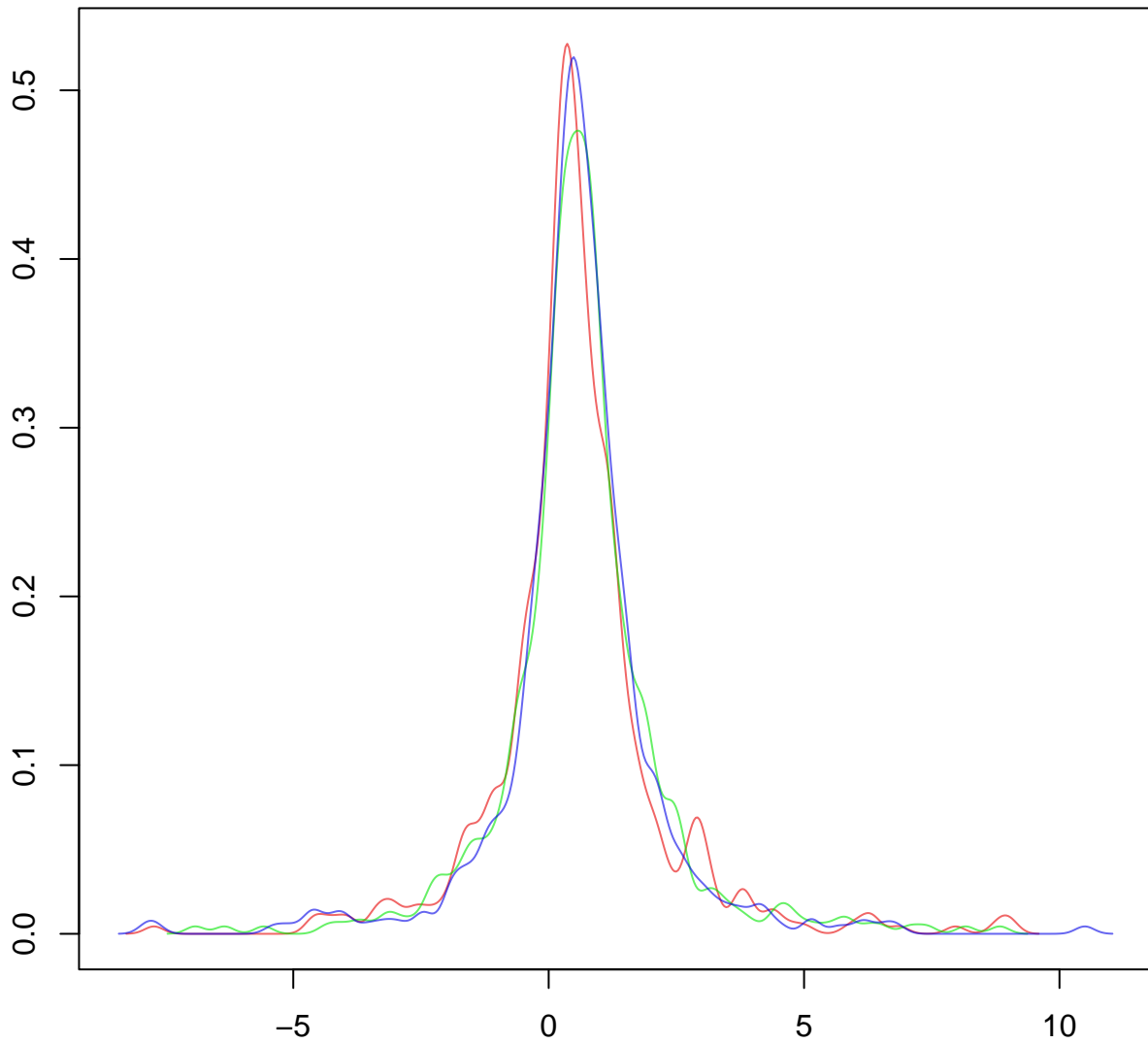
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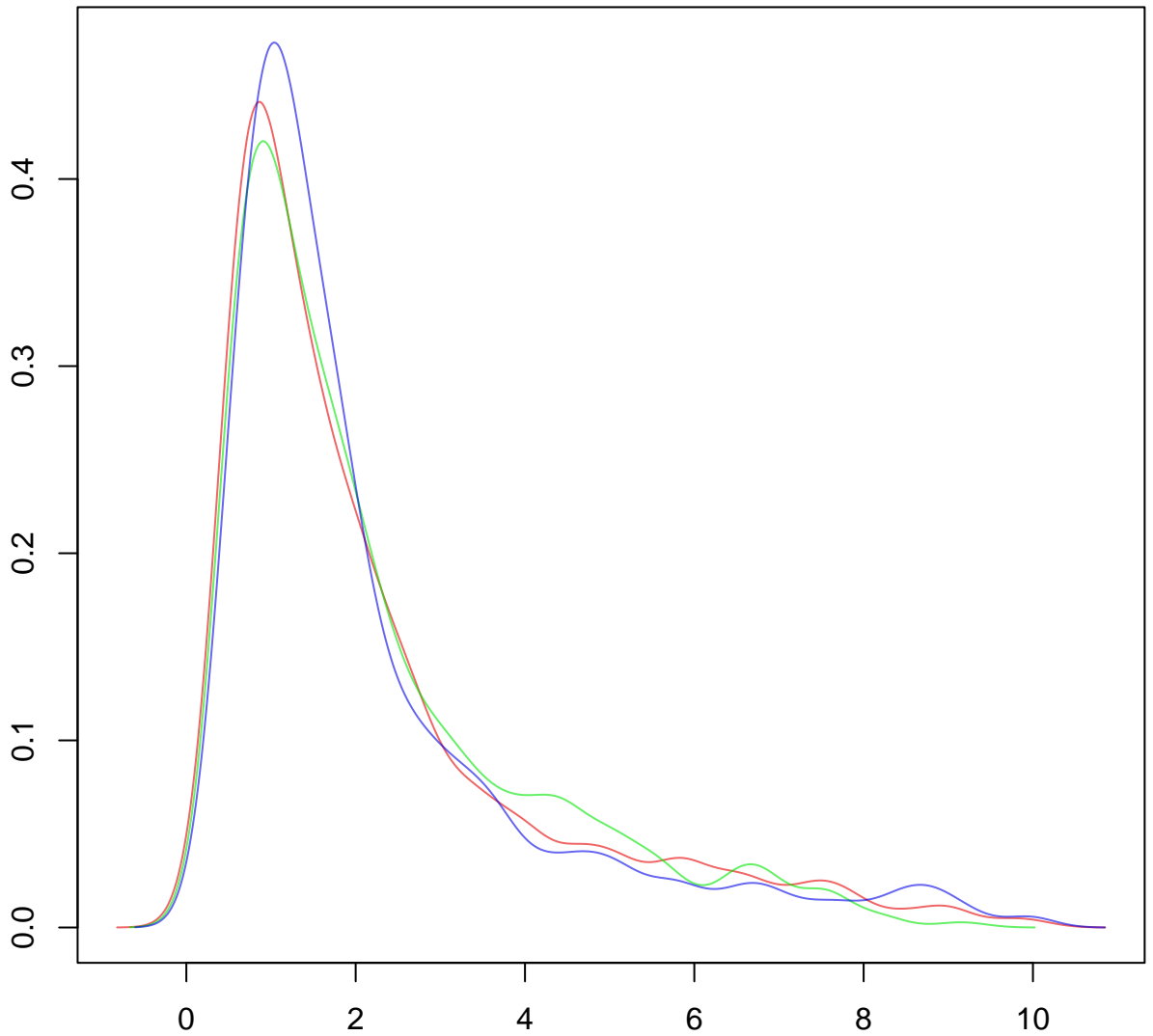
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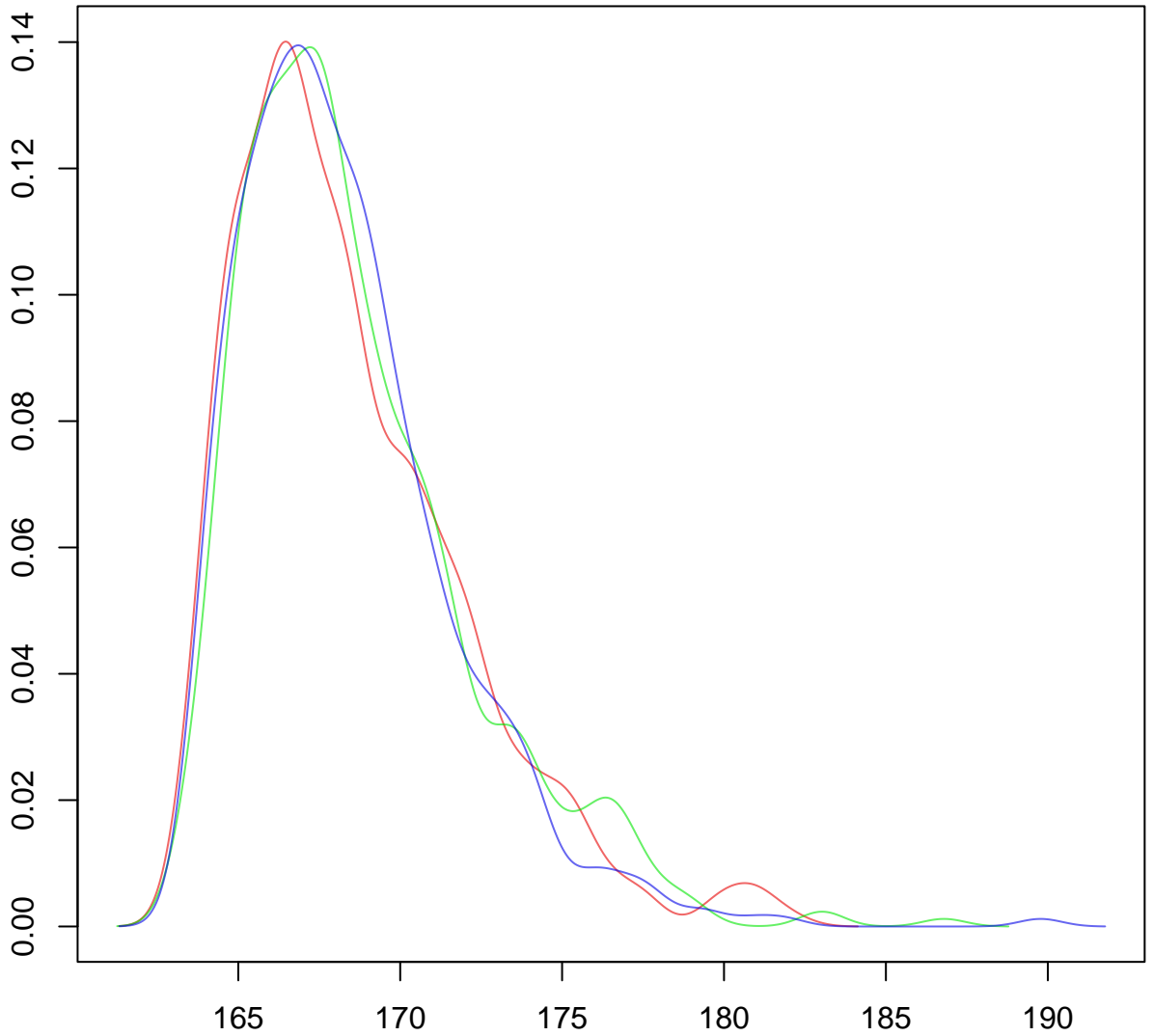
a[3]



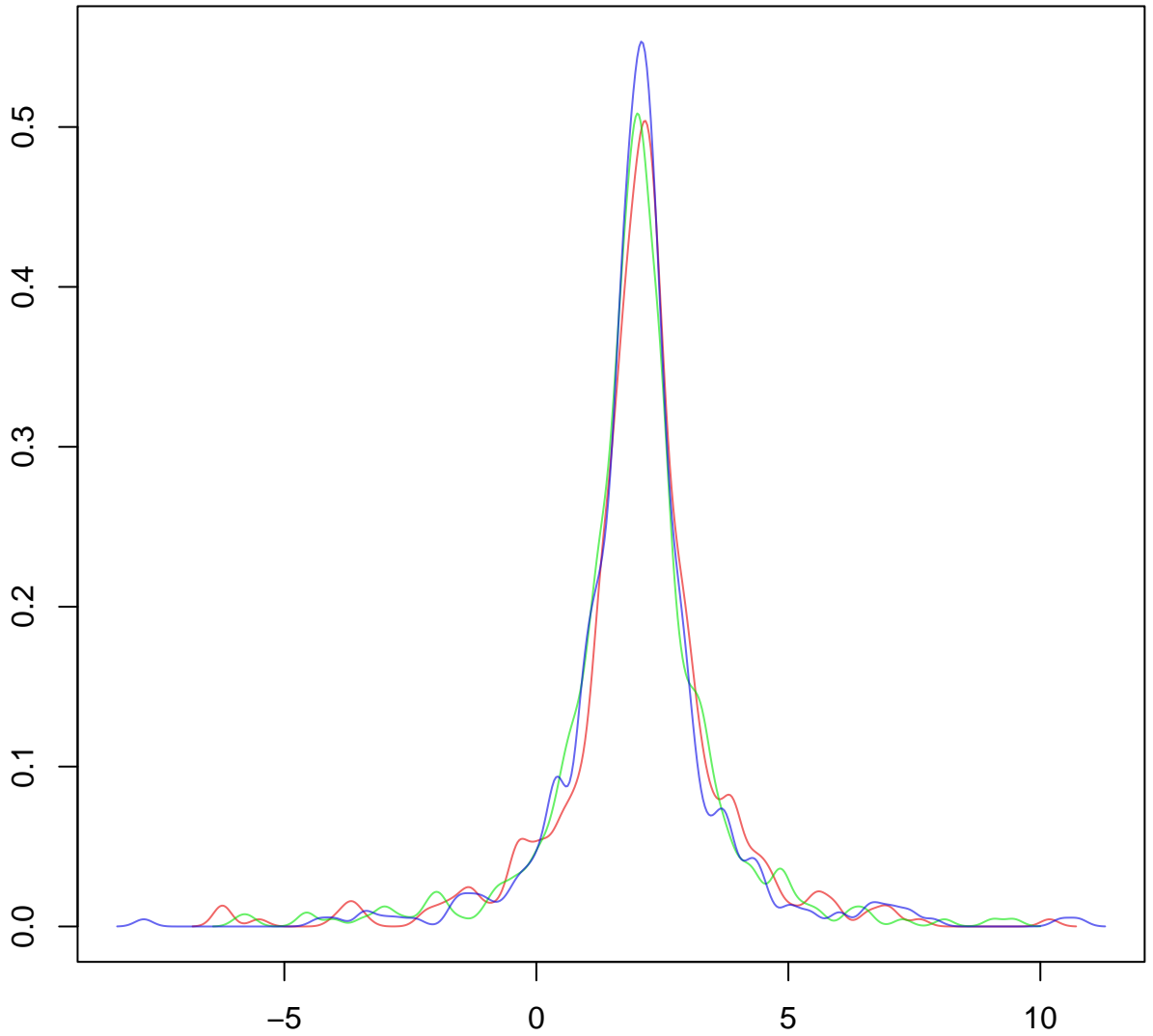
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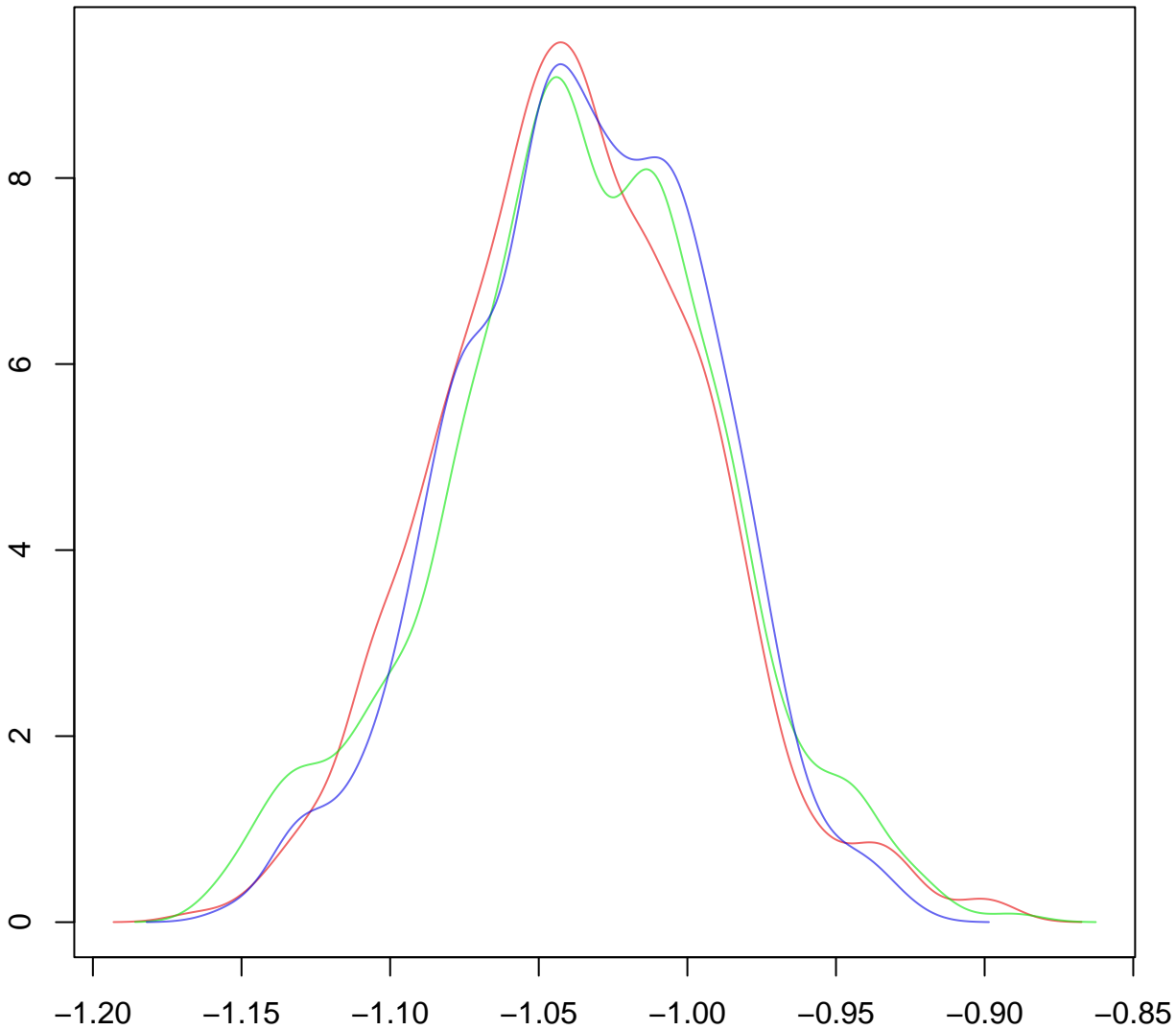
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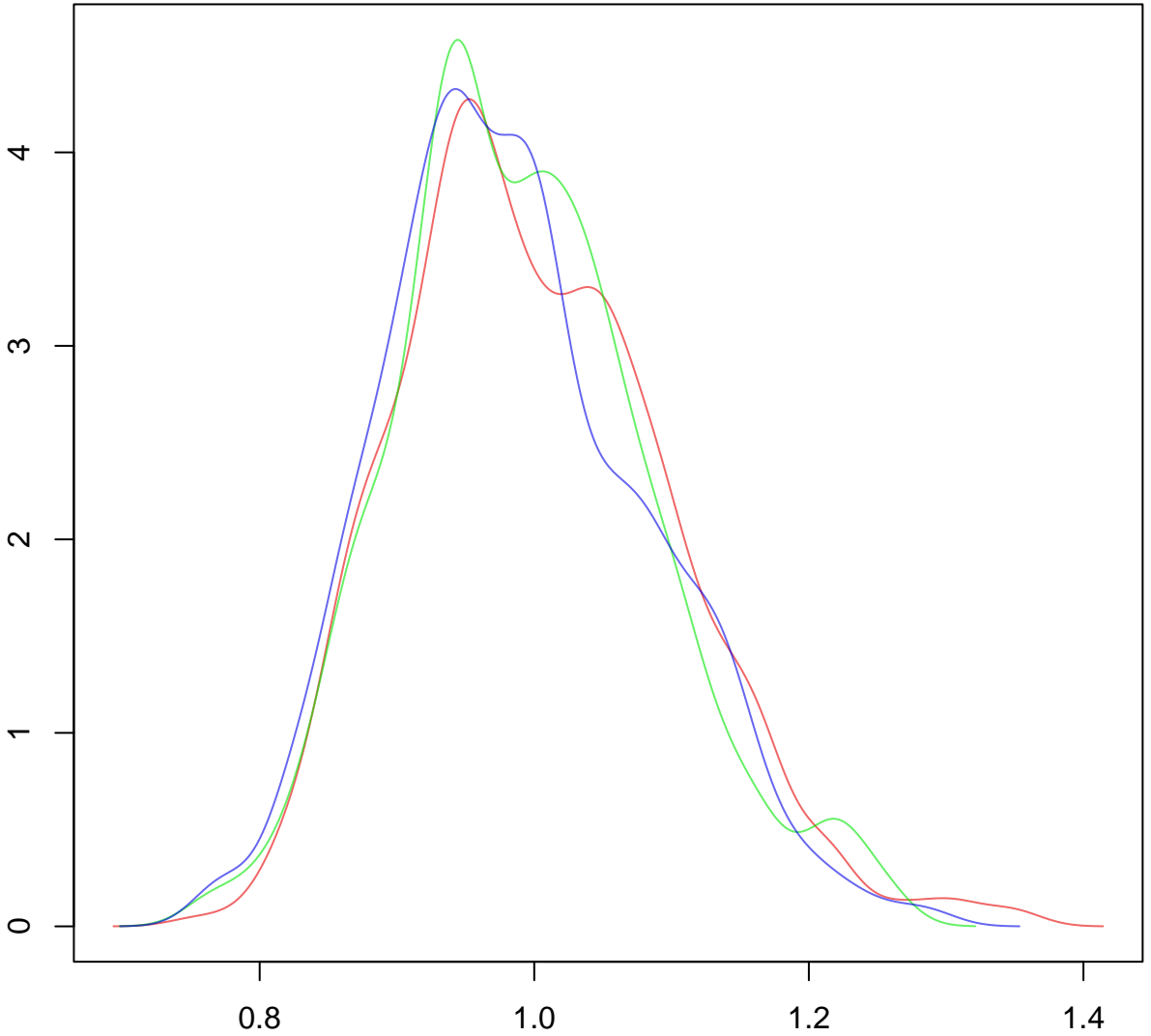
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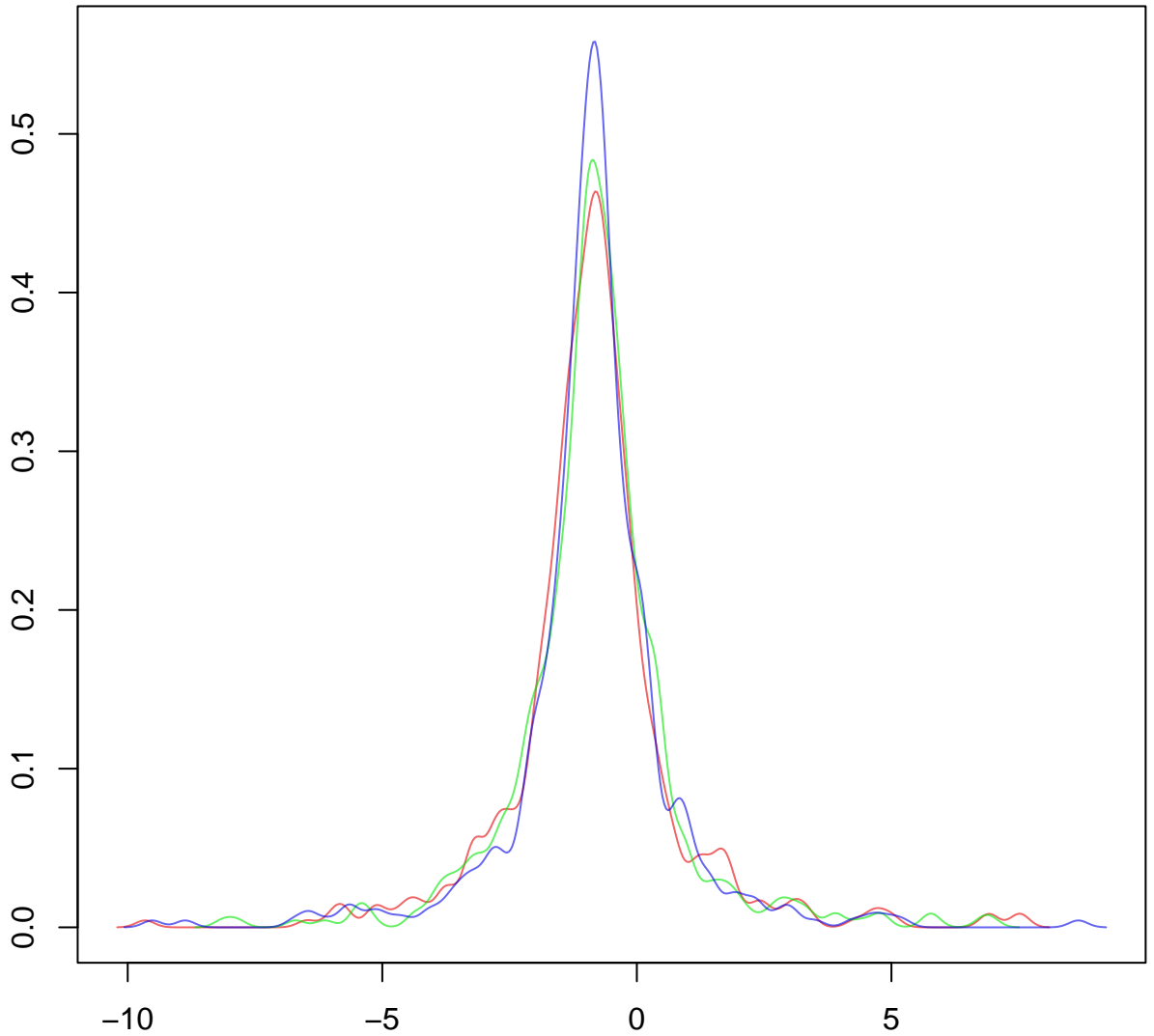
b1



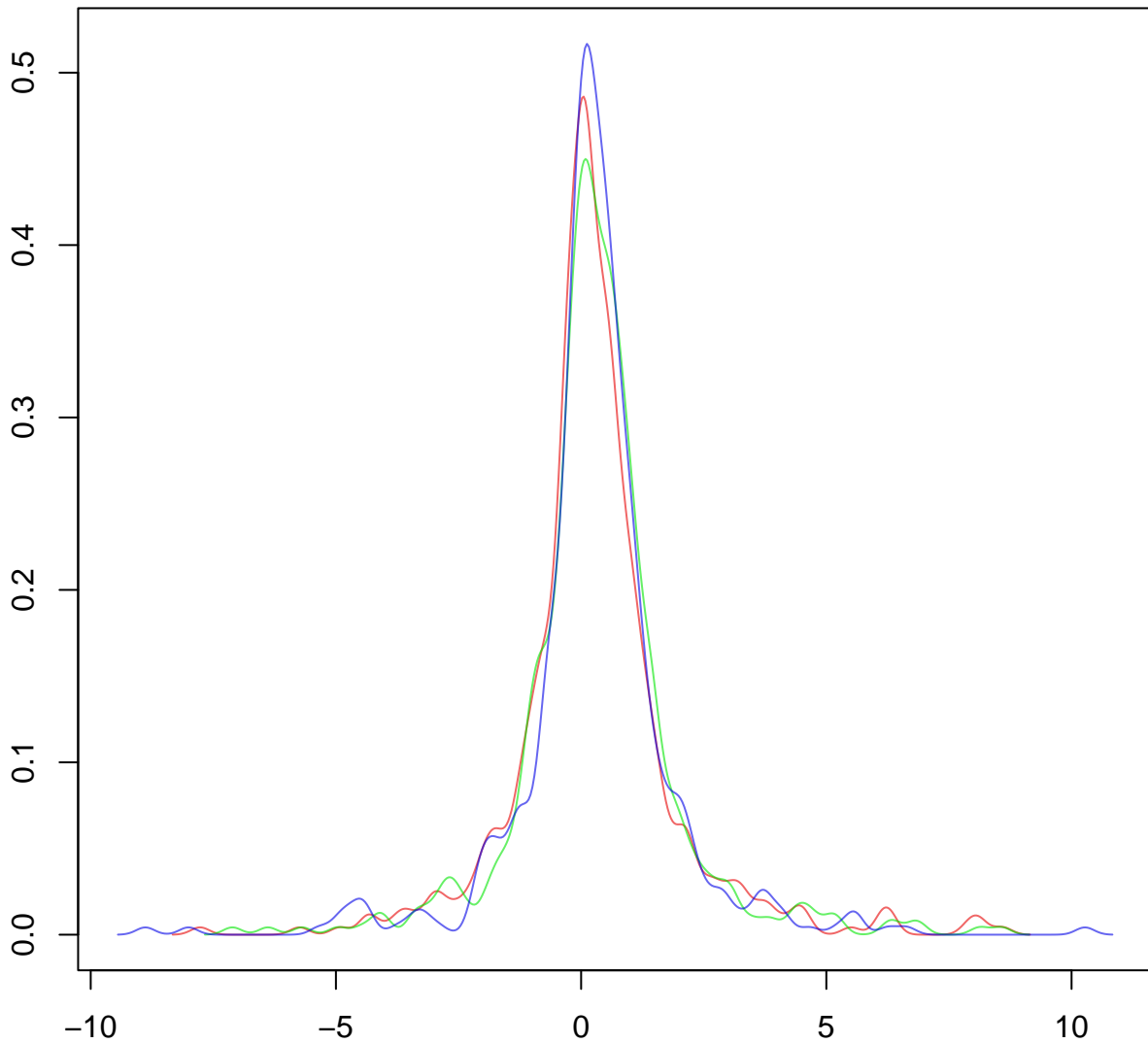
sig



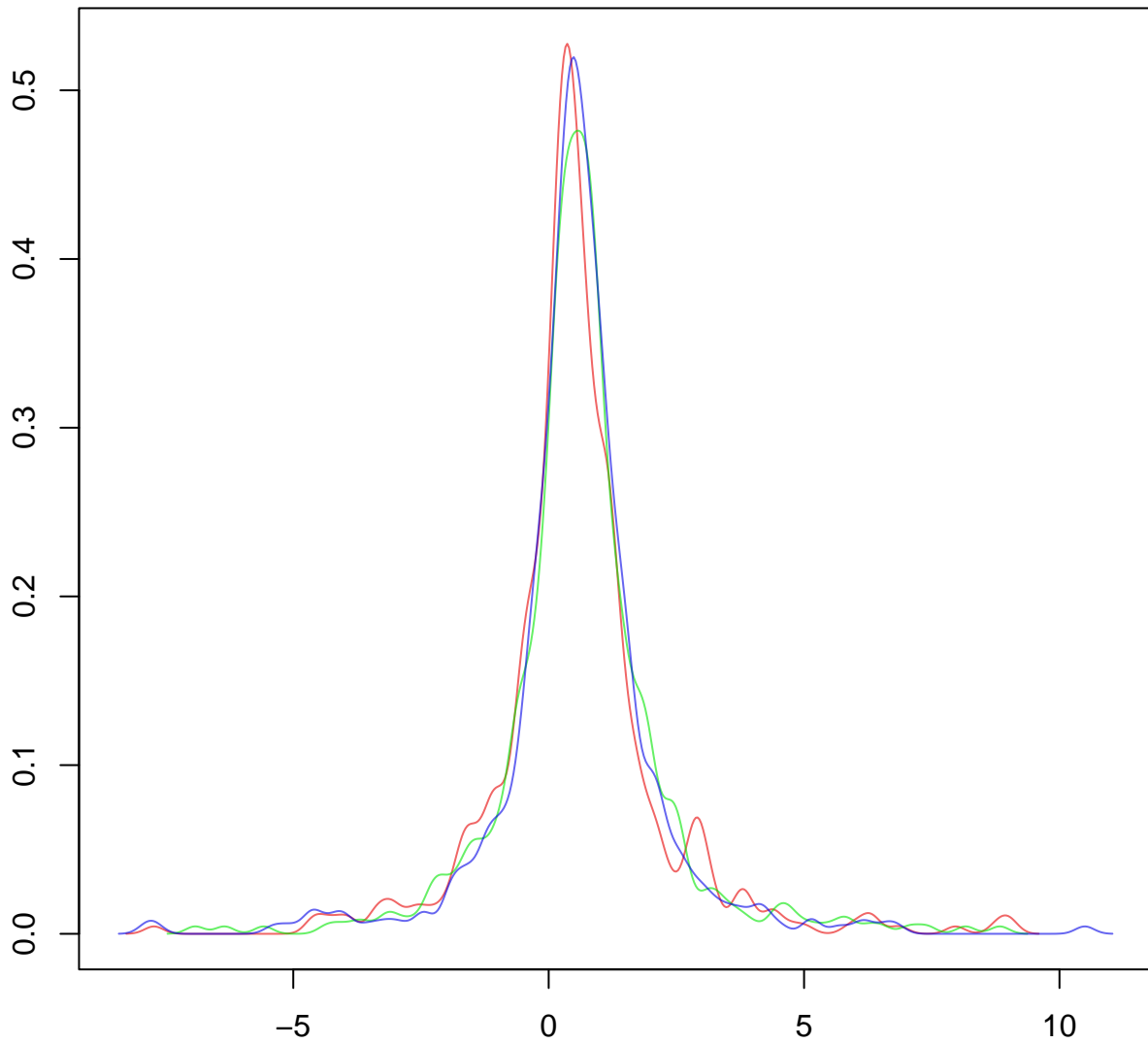
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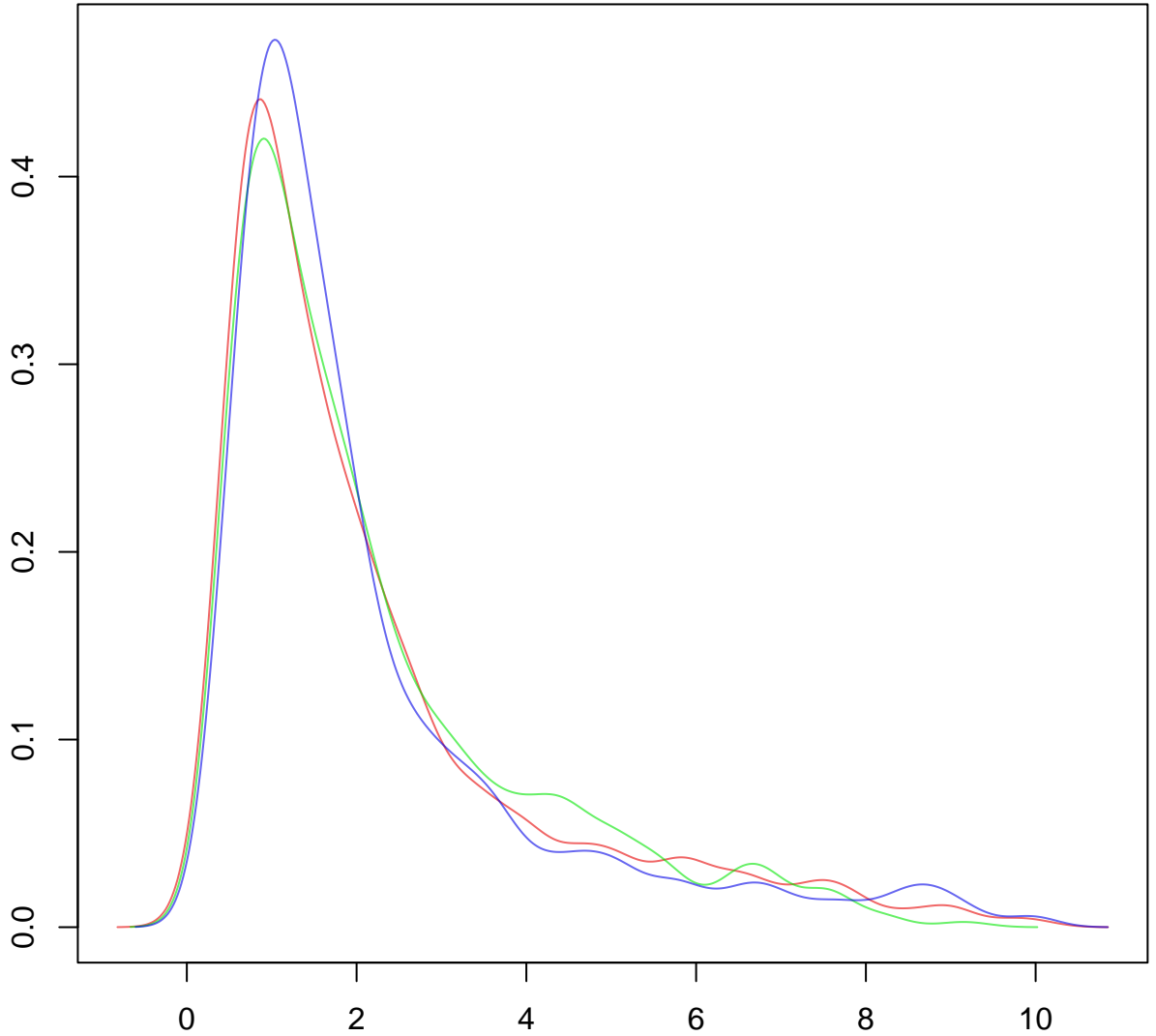
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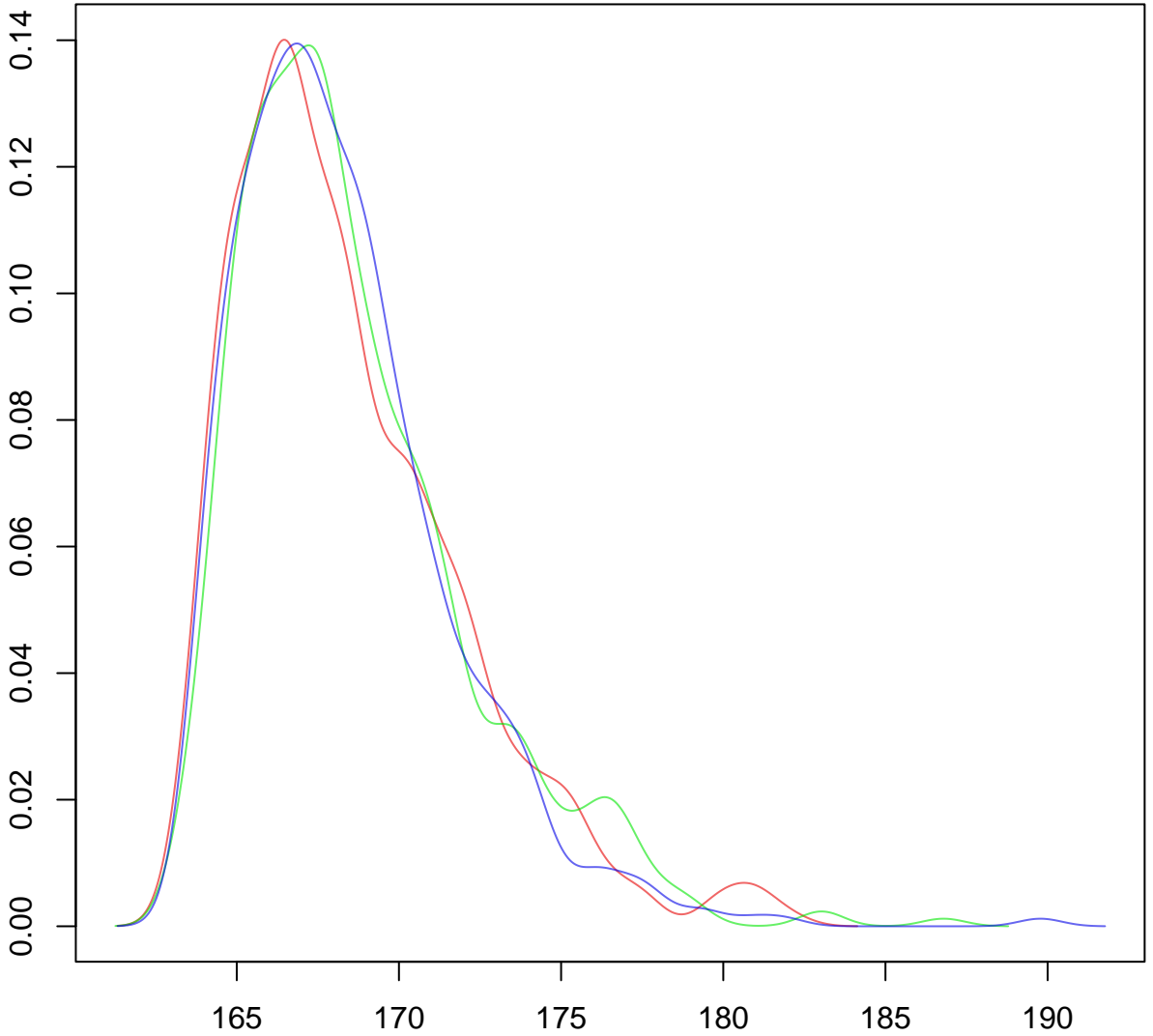
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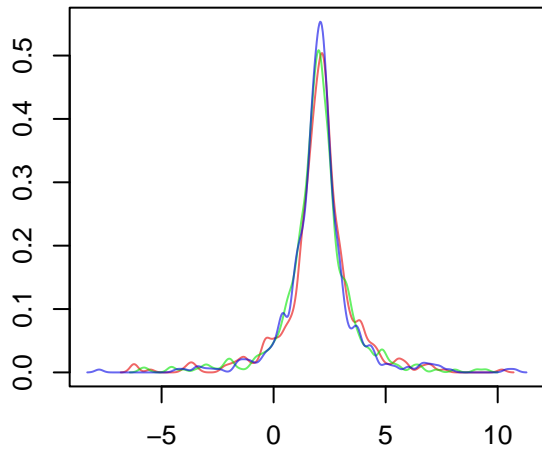
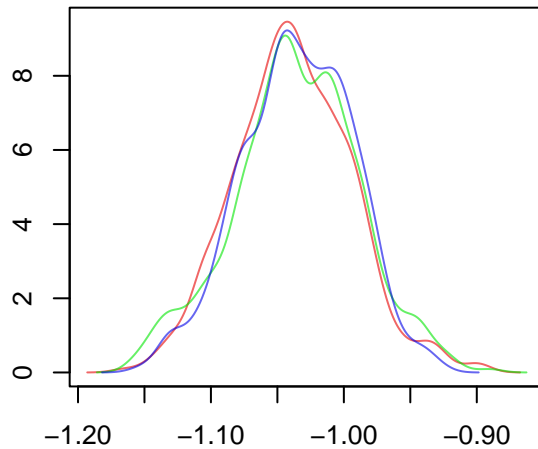
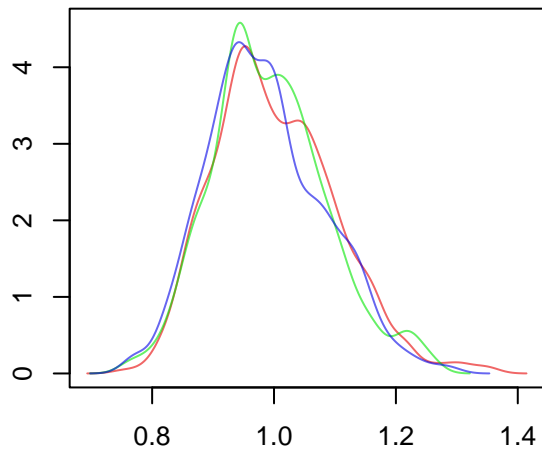
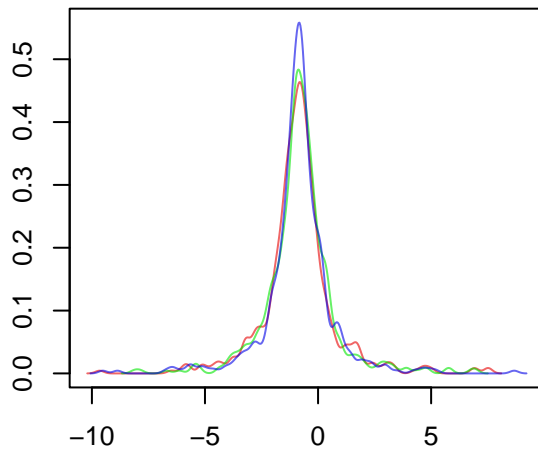


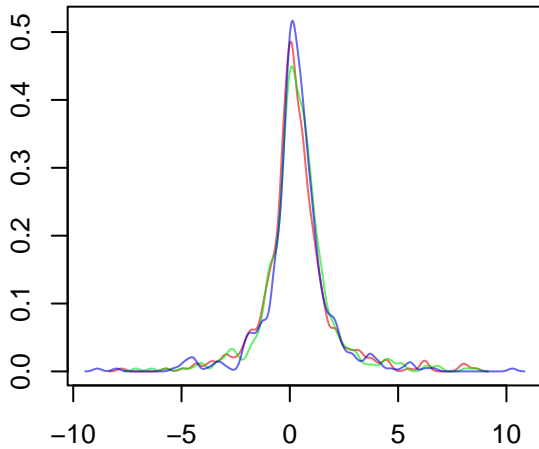
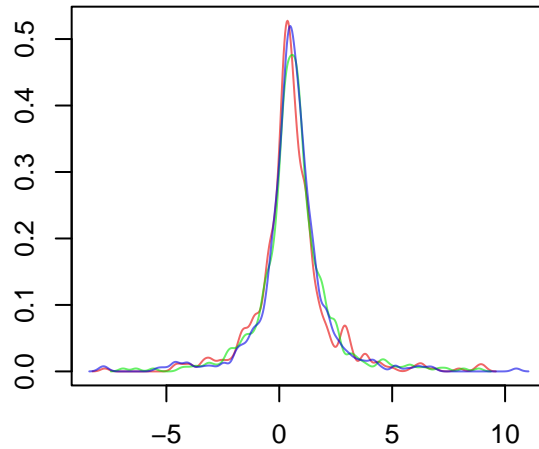
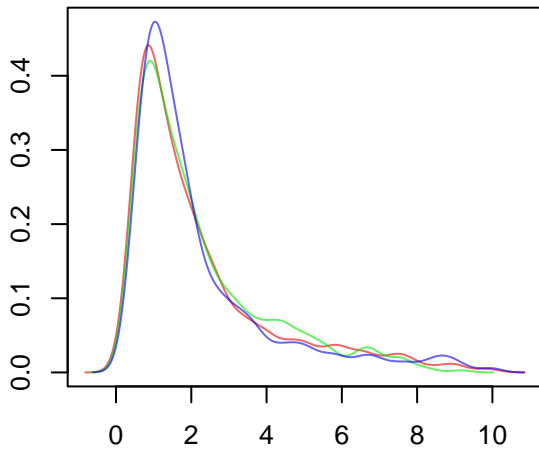
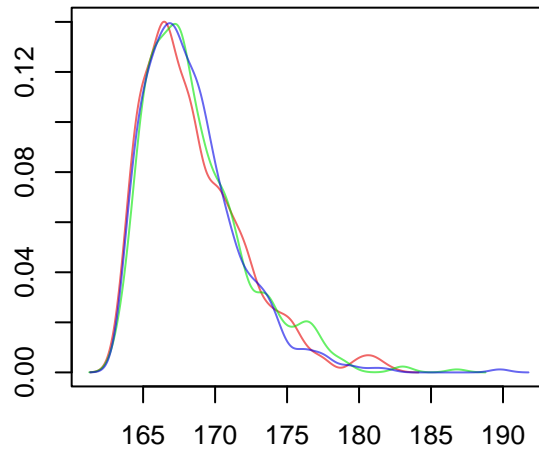
sig_a

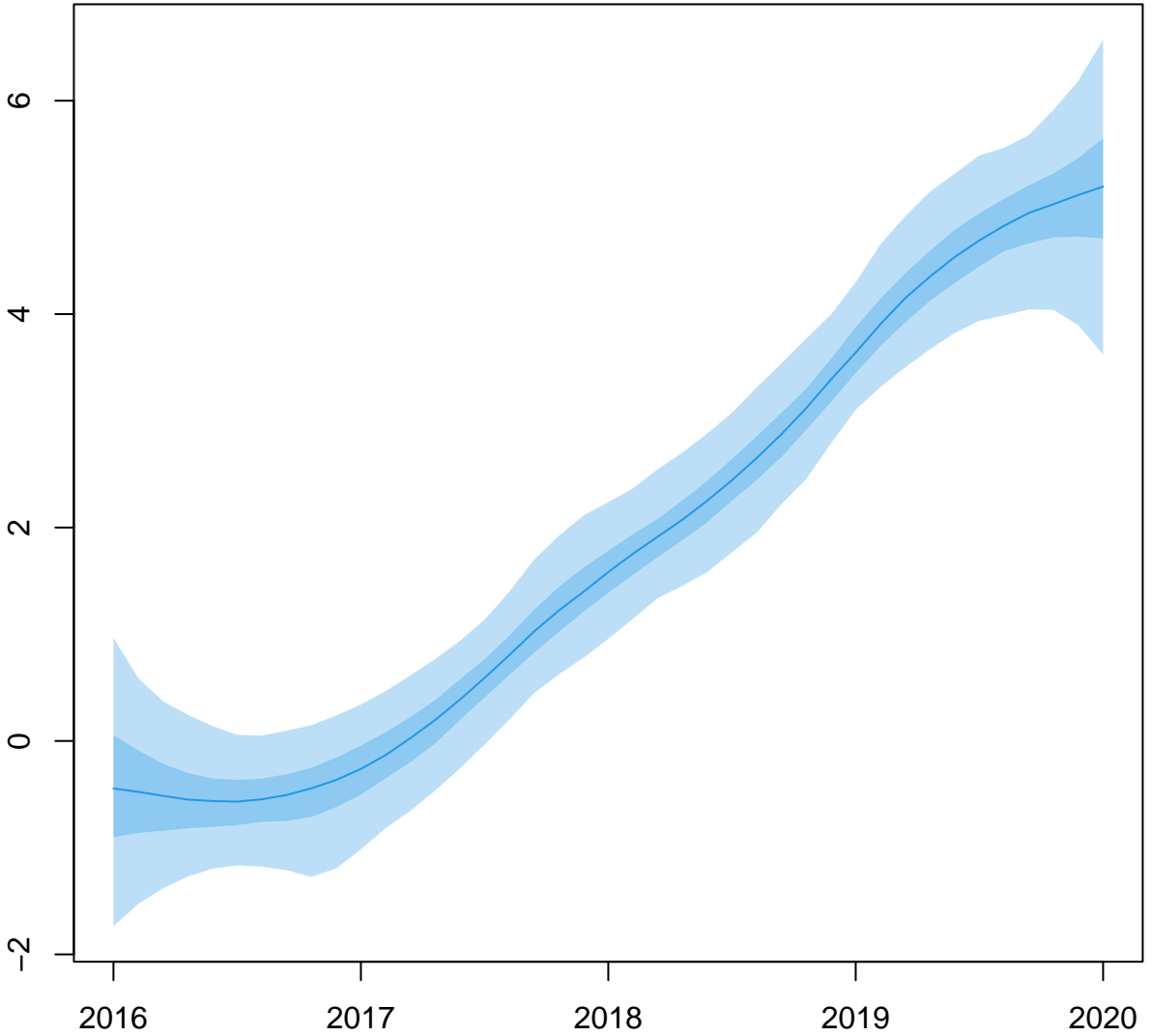


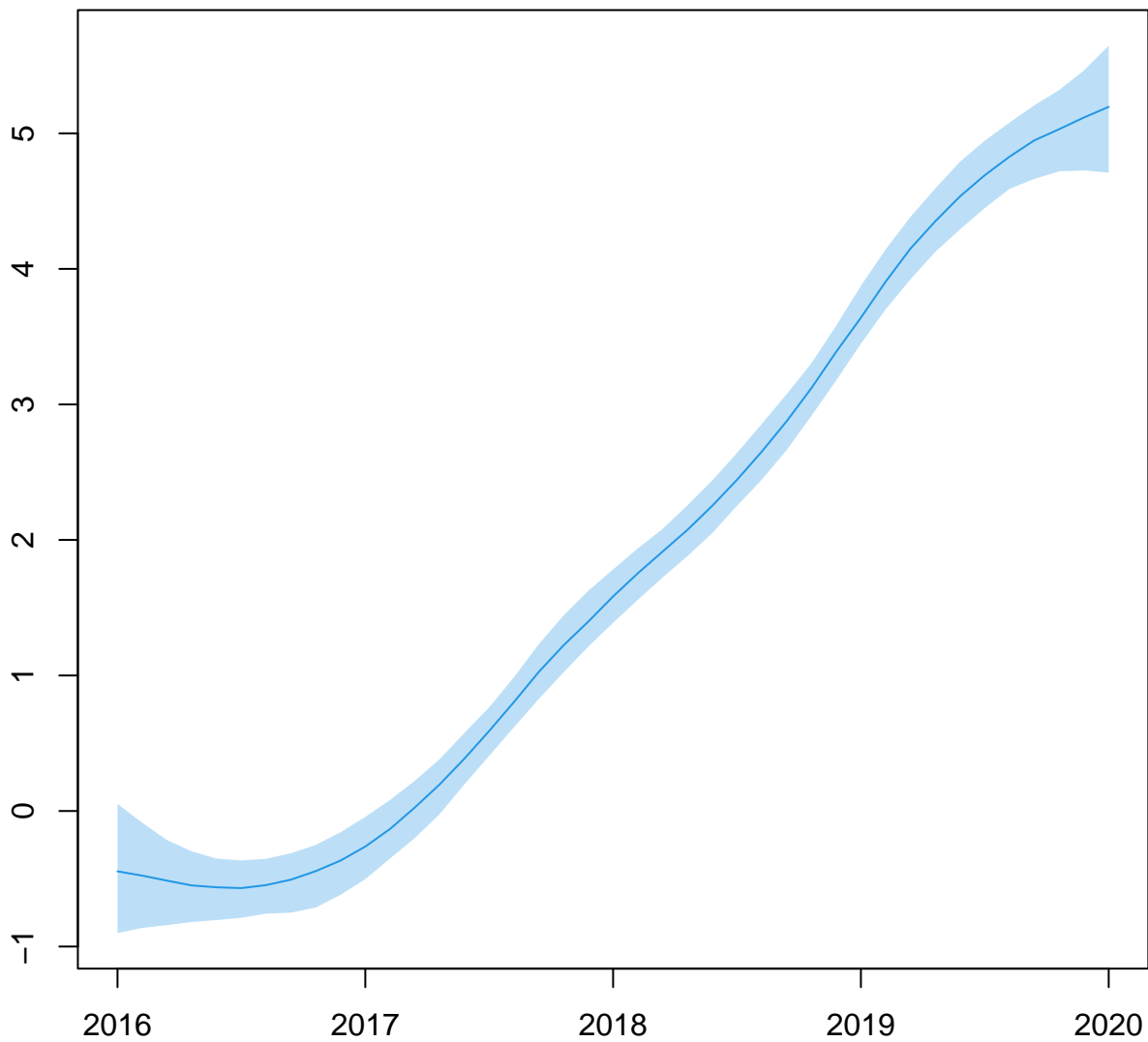
deviance

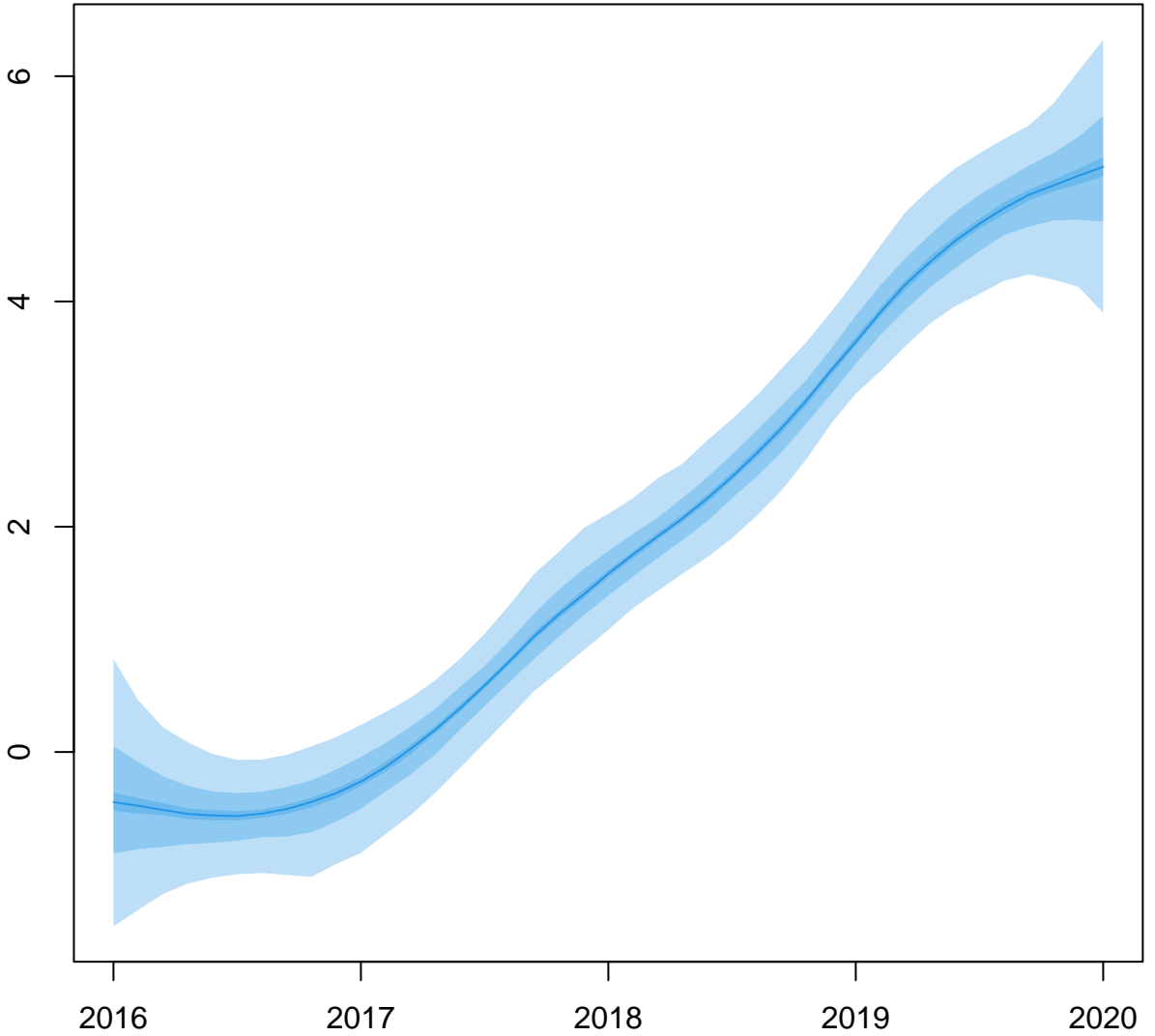


b0**b1****sig****a[1]**

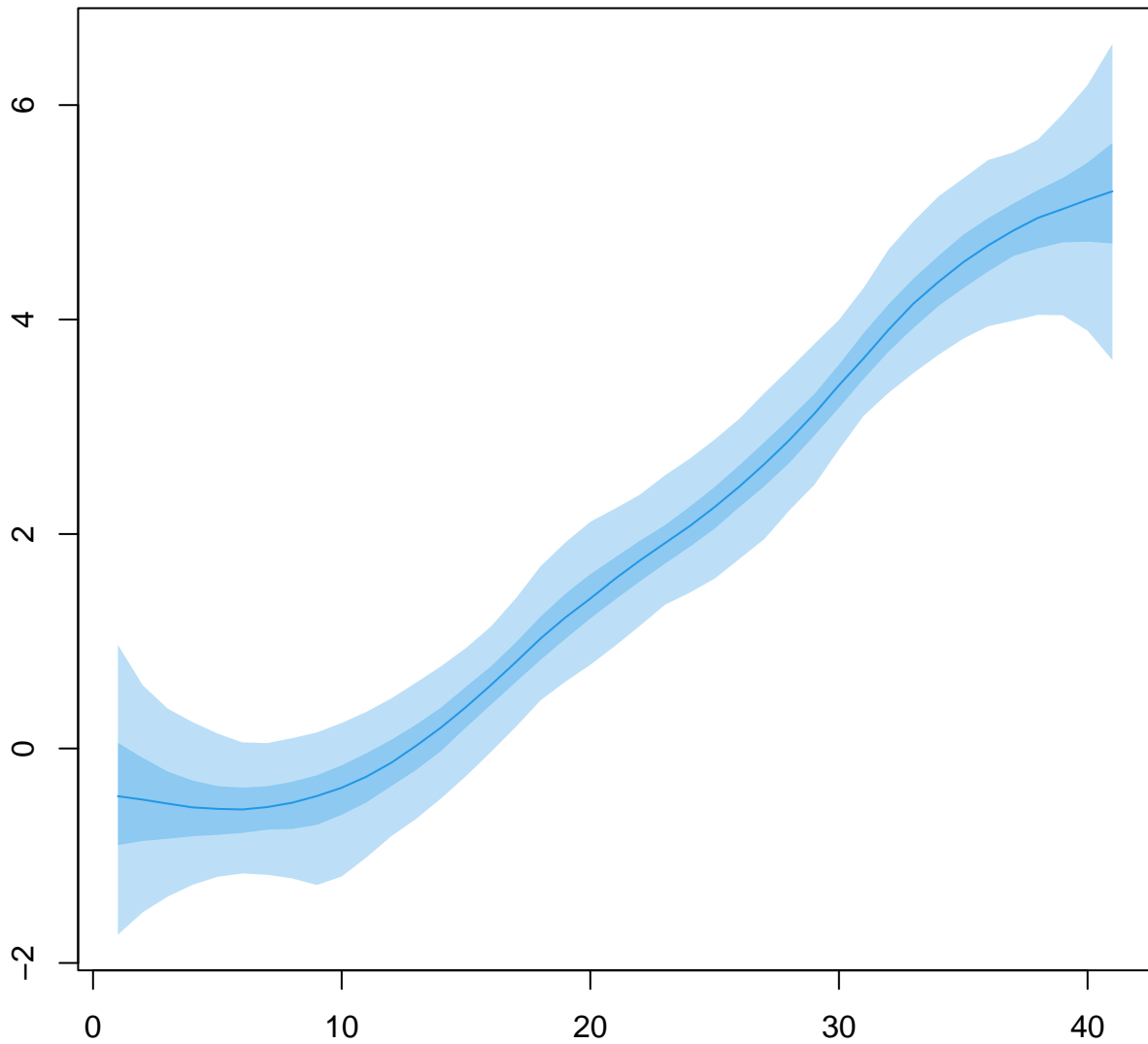
a[2]**a[3]****sig_a****deviance**



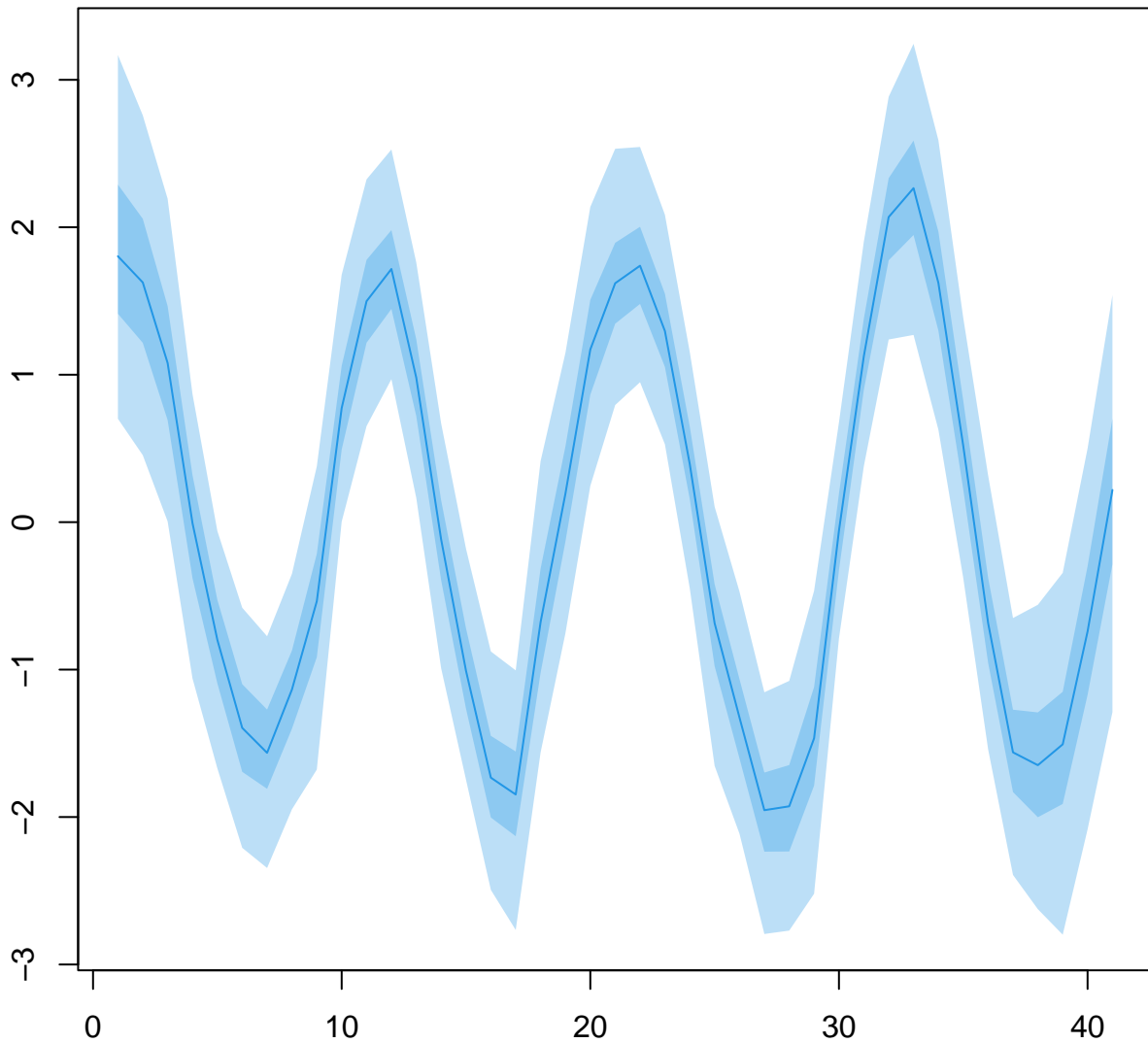




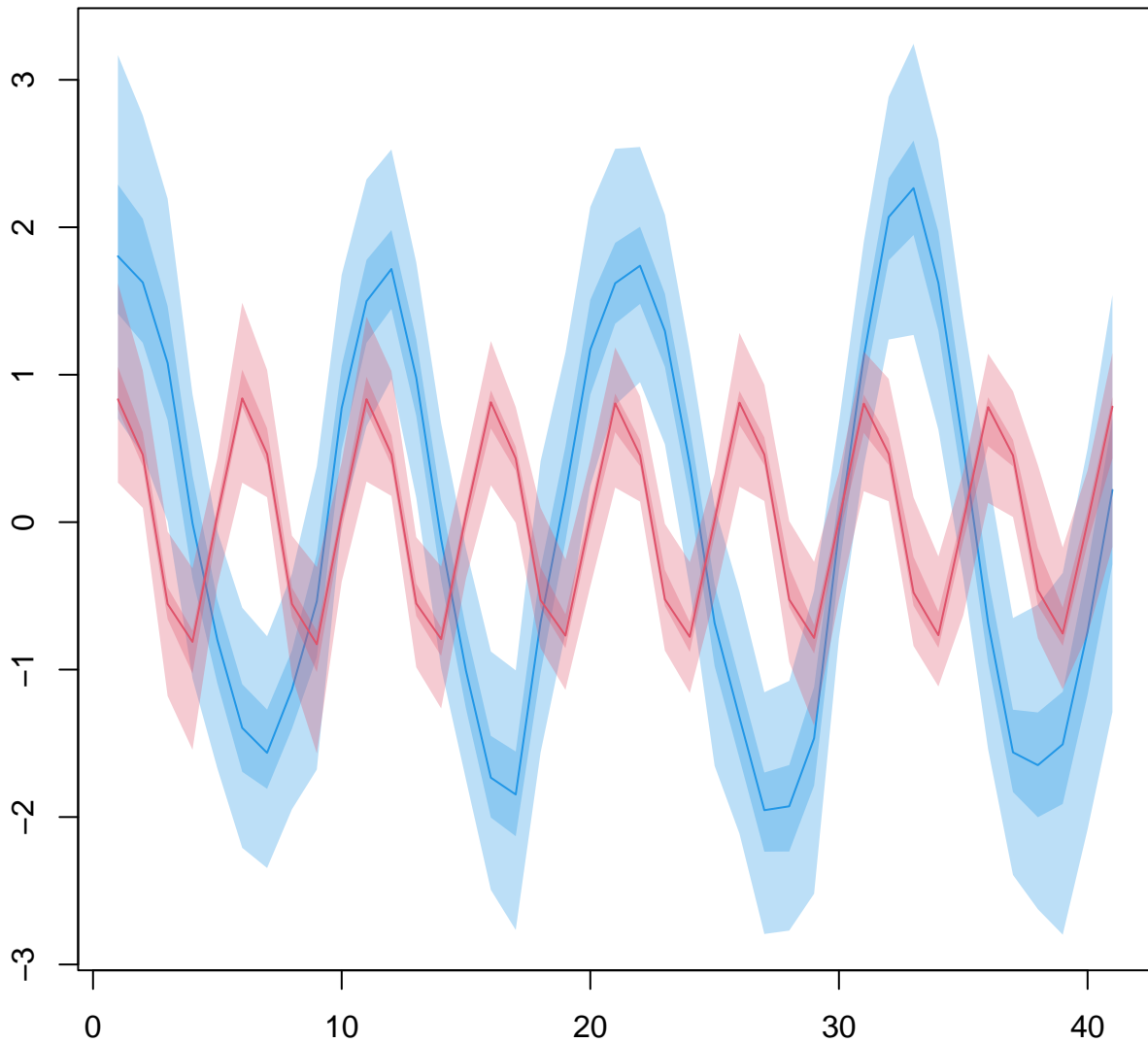
trend

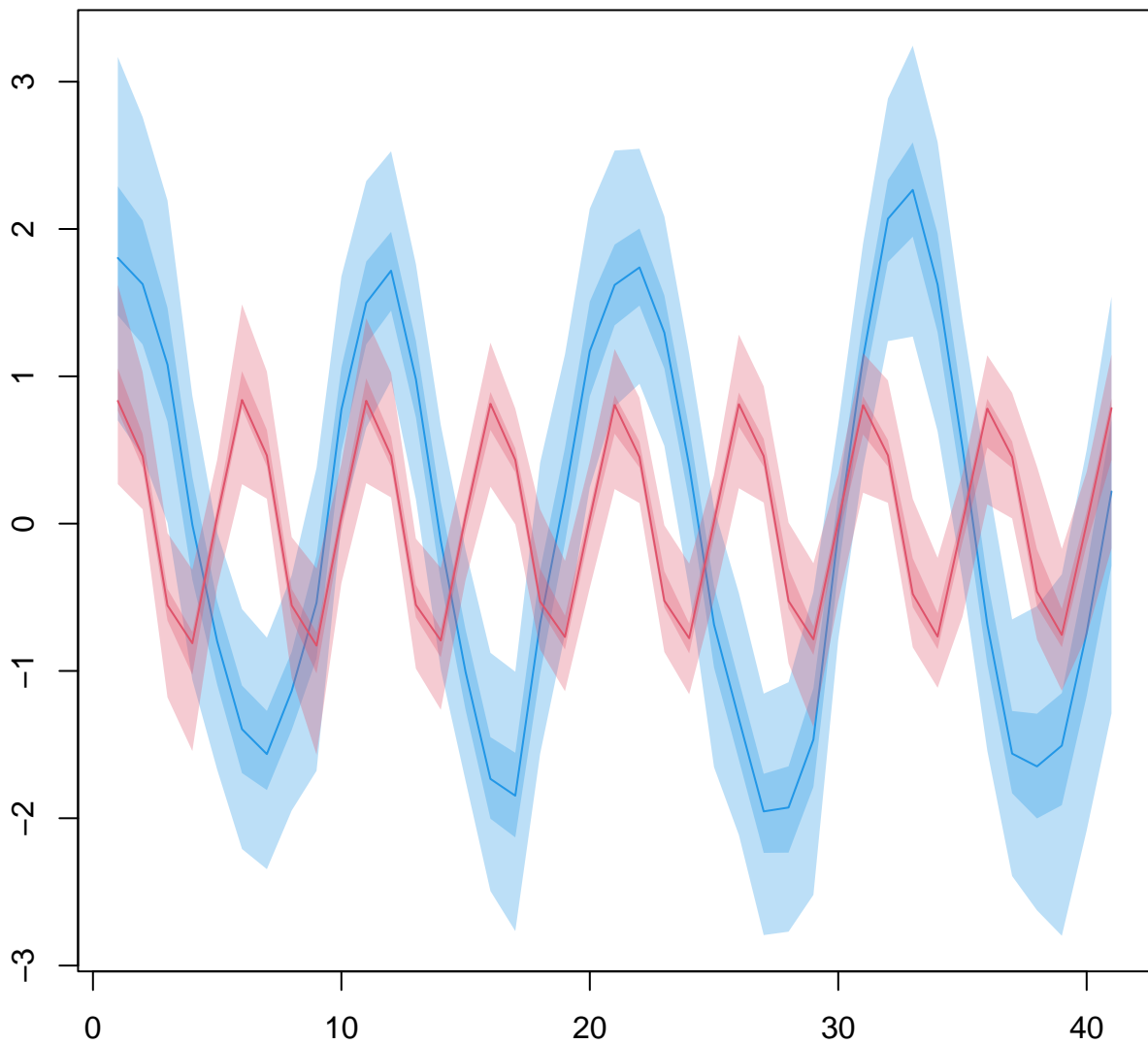


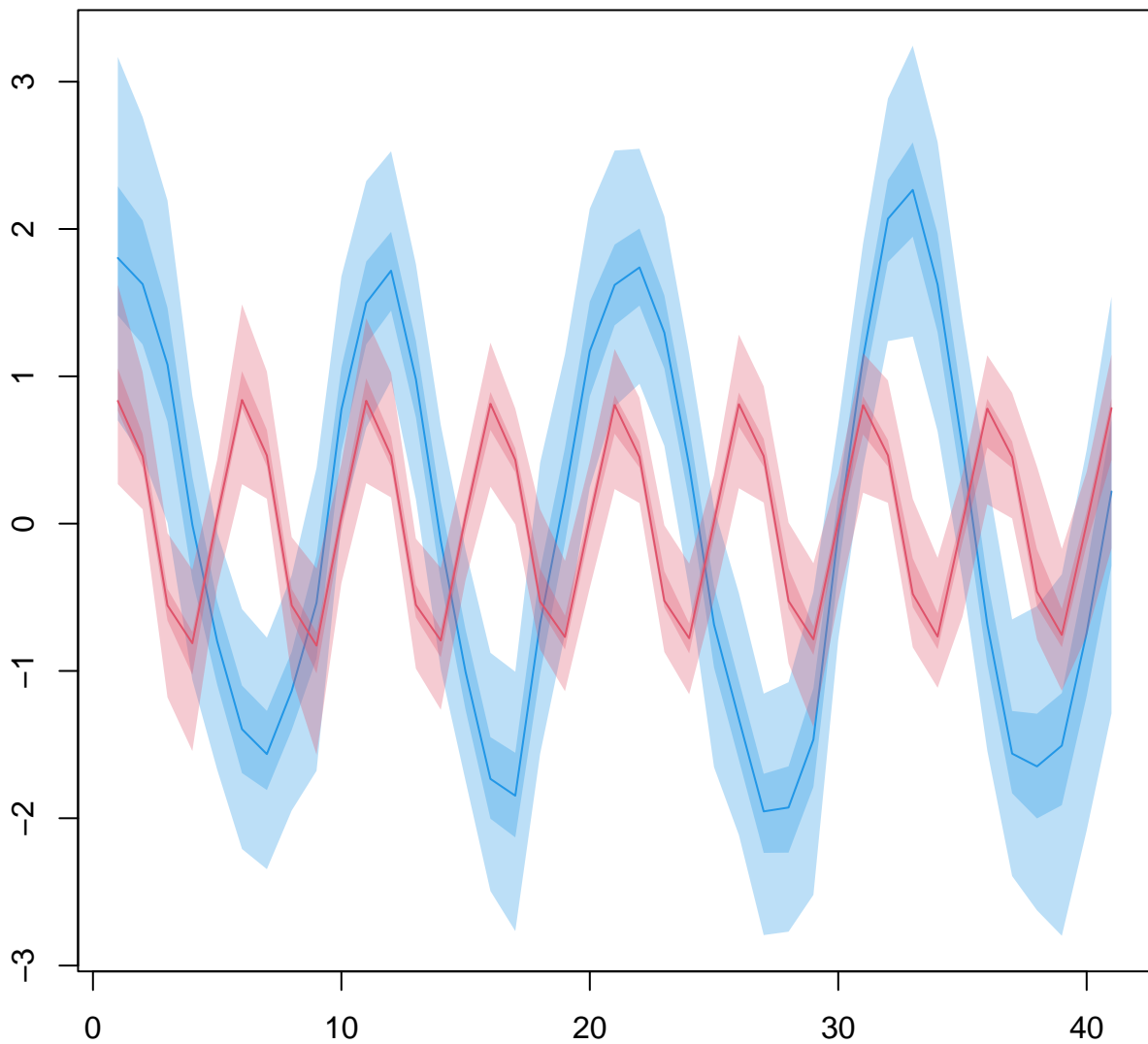
cycle_s[,1]



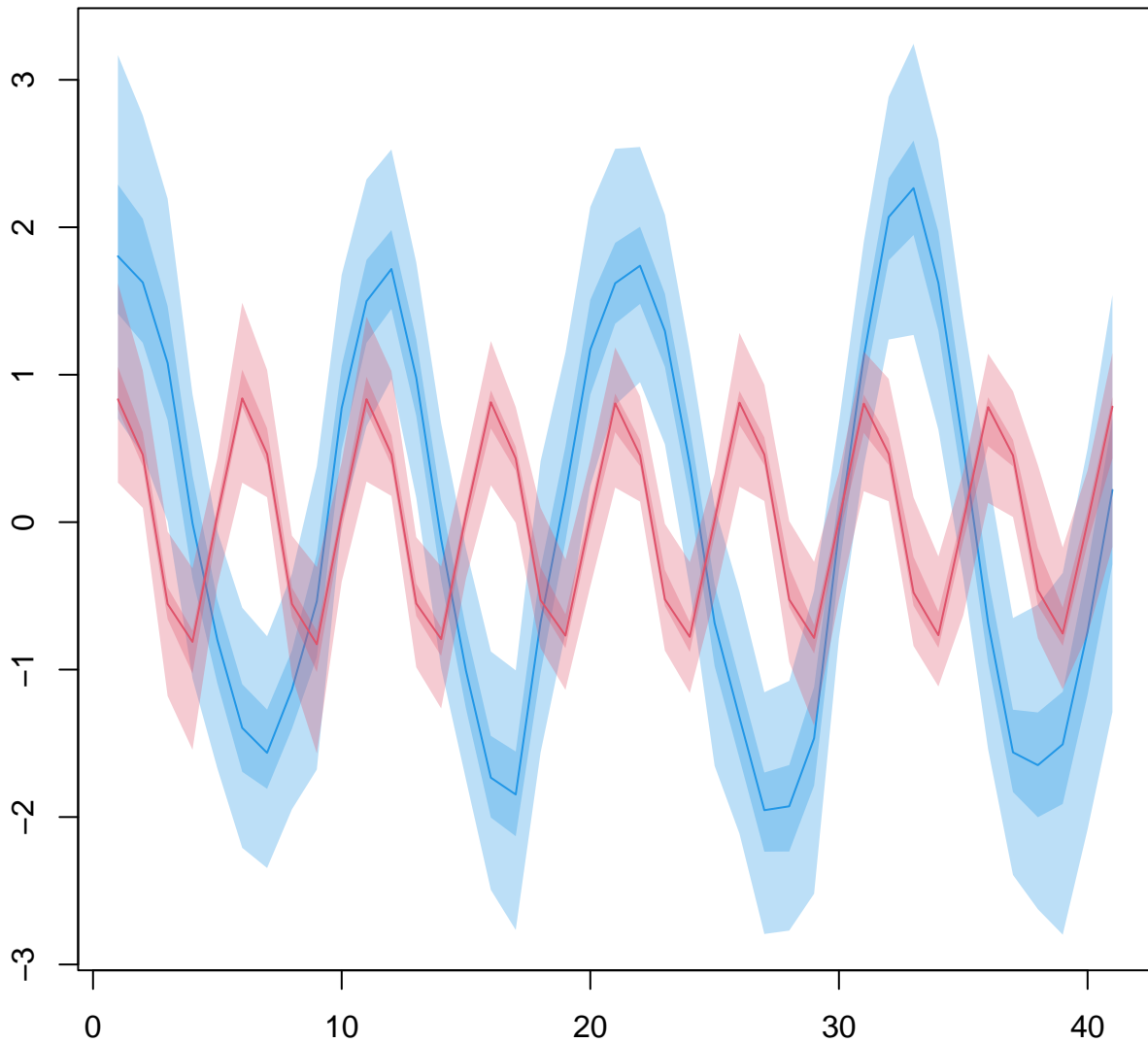
cycle_s

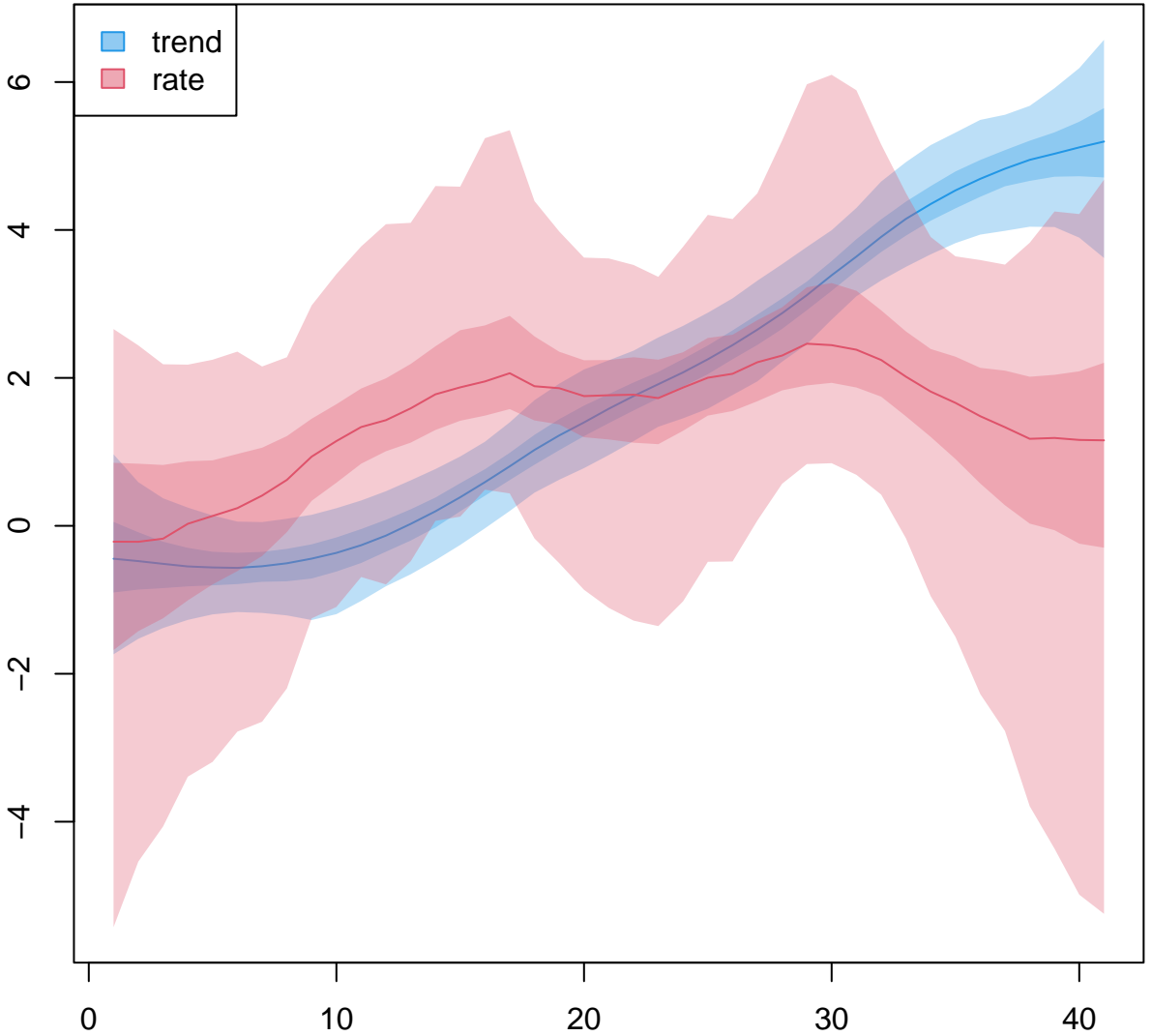


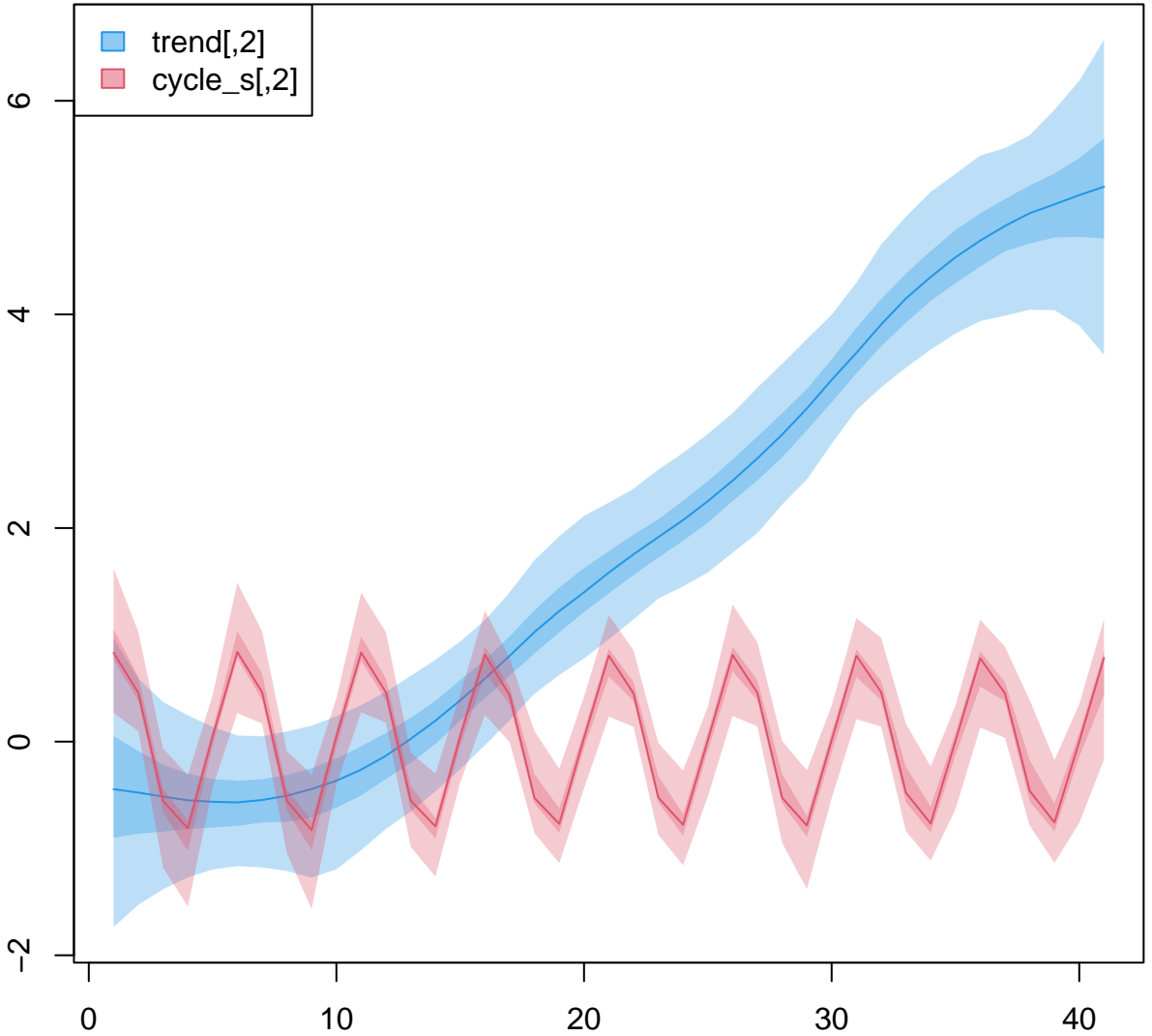


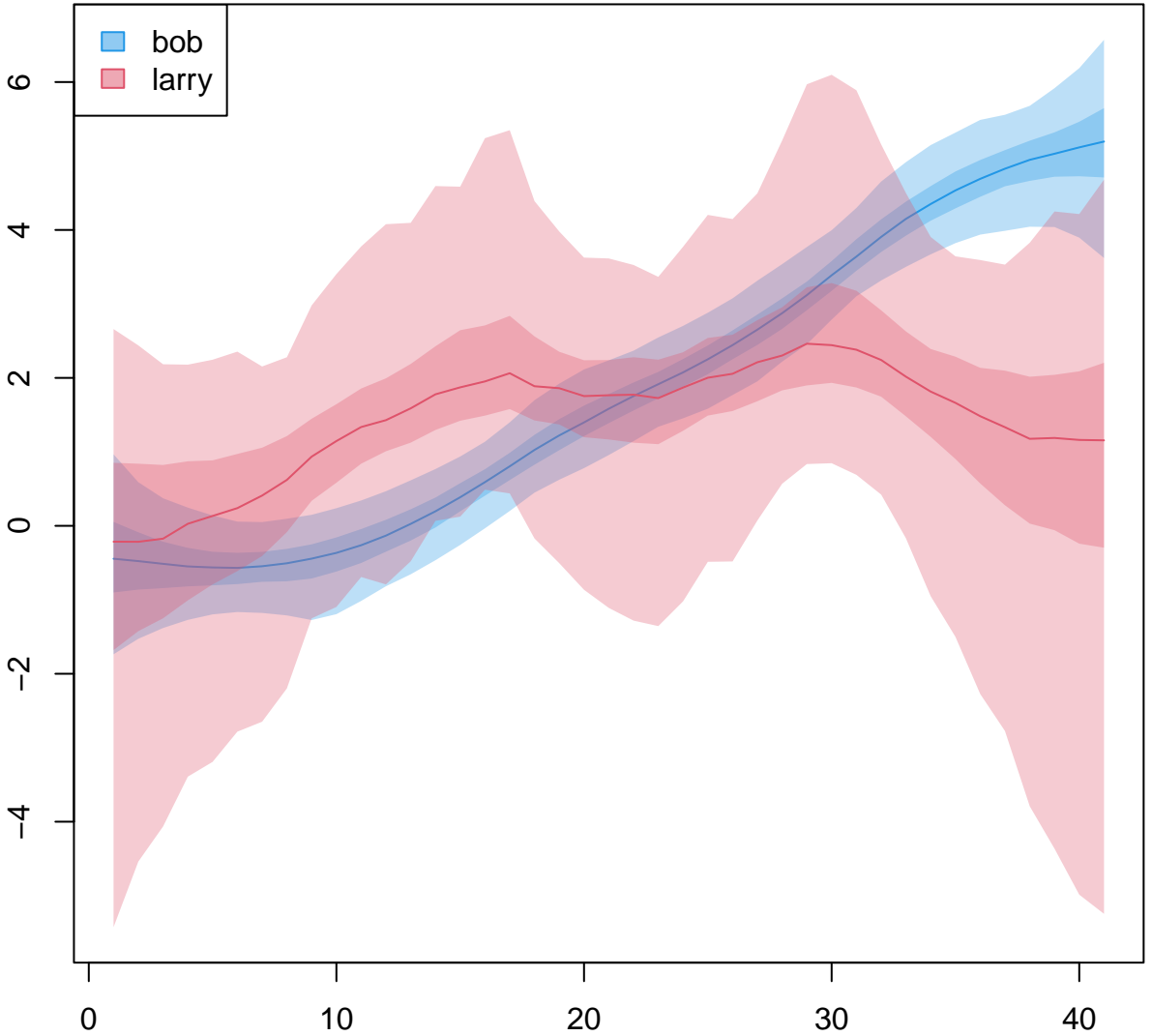


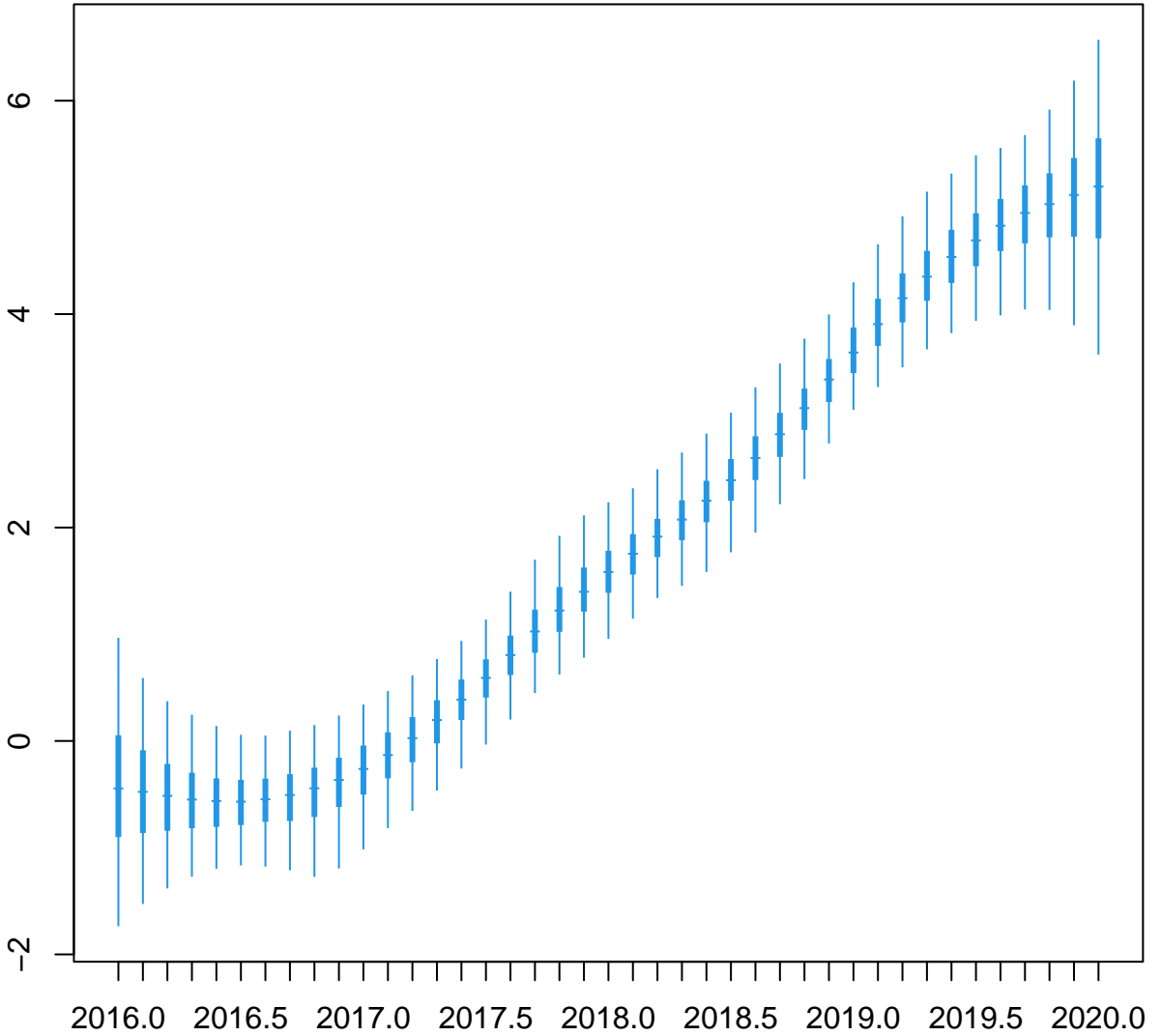
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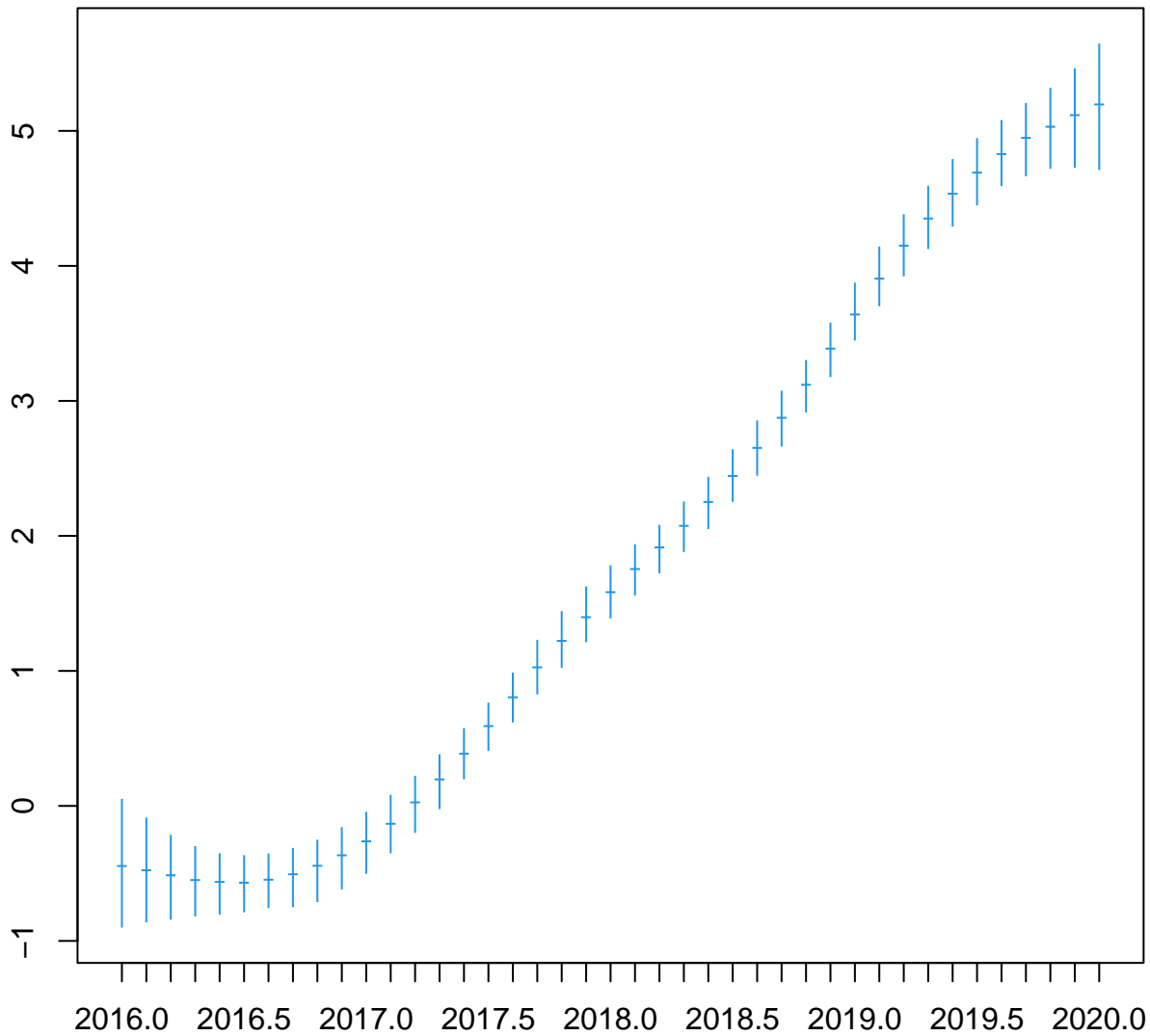


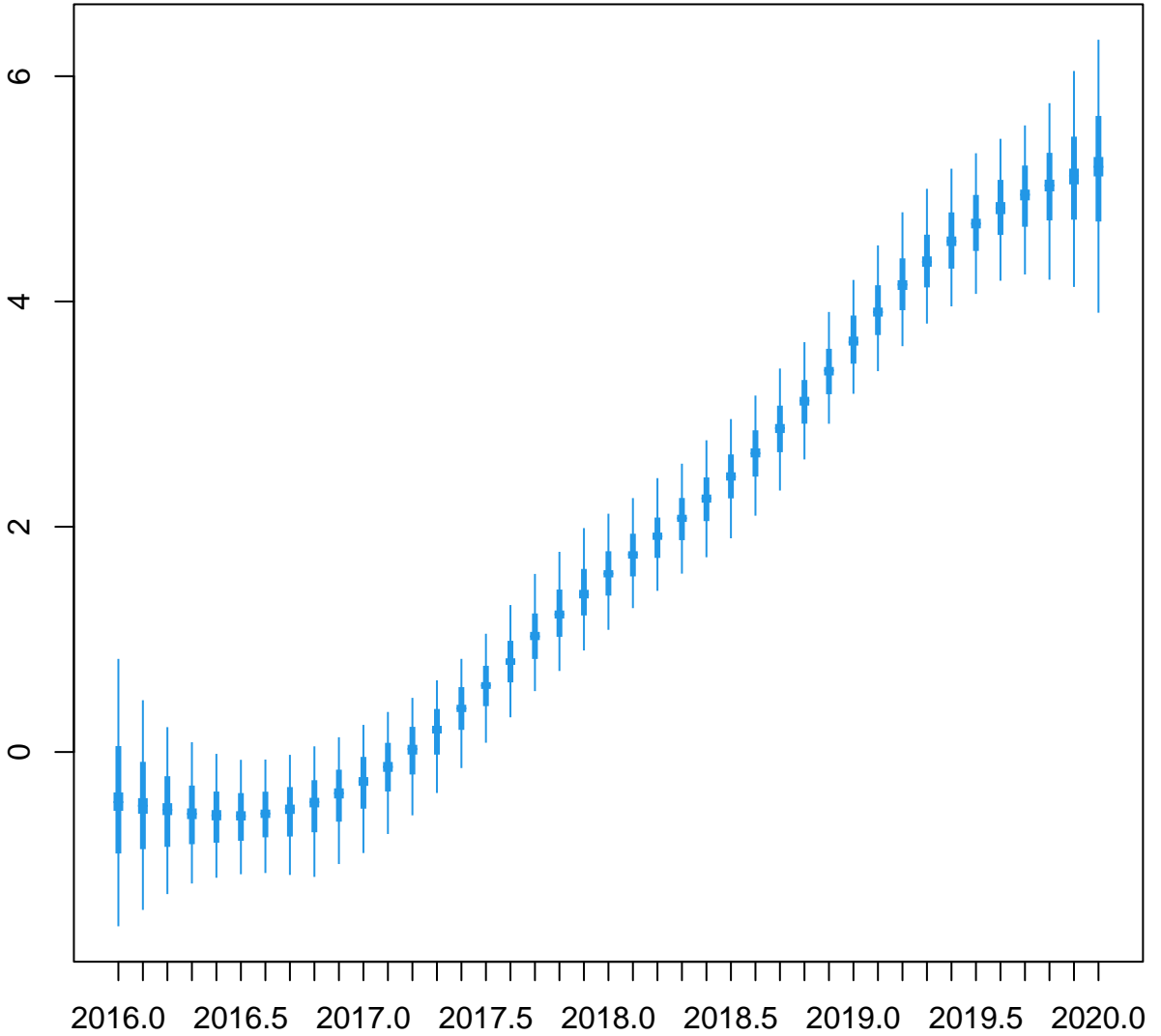




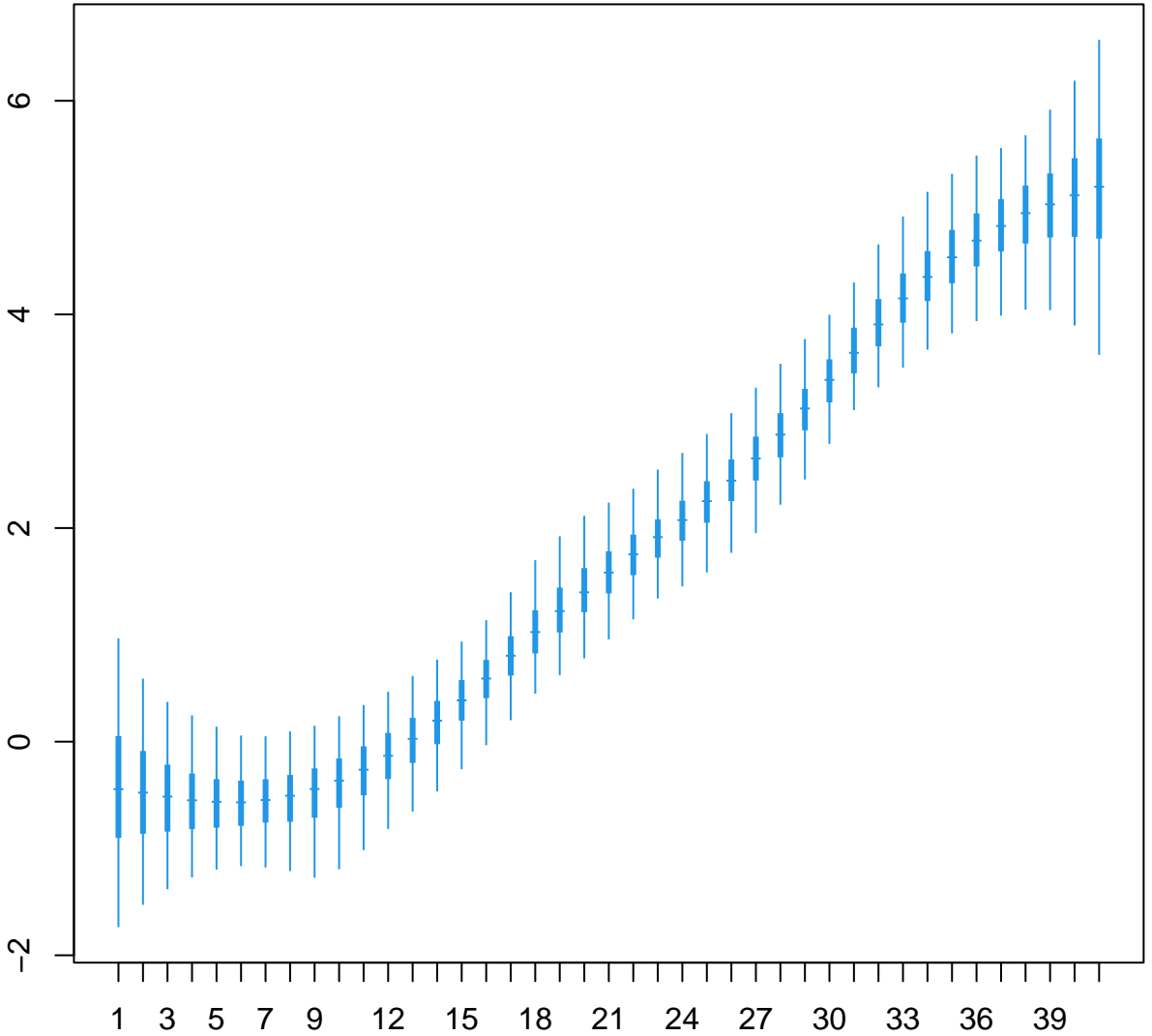




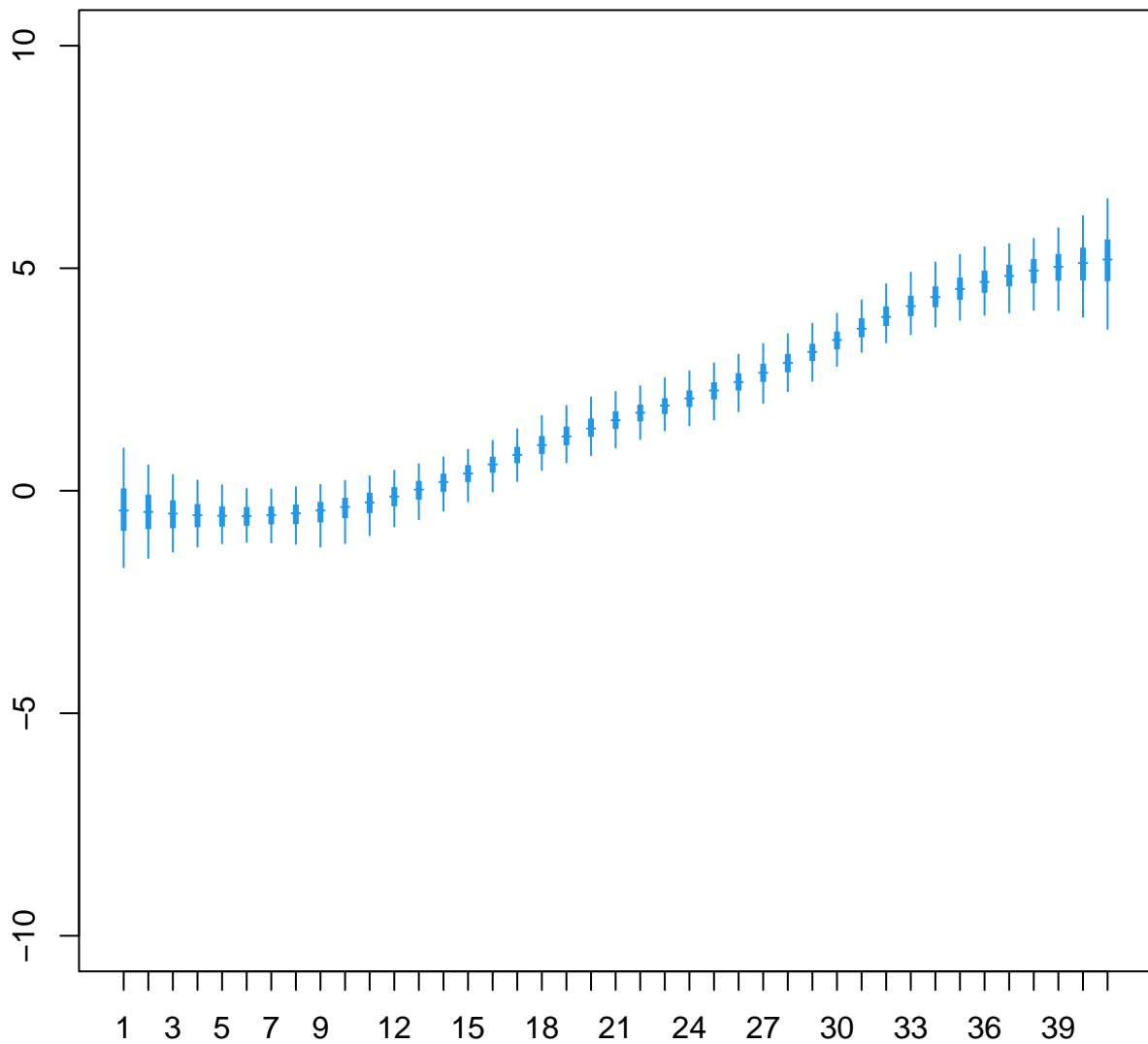




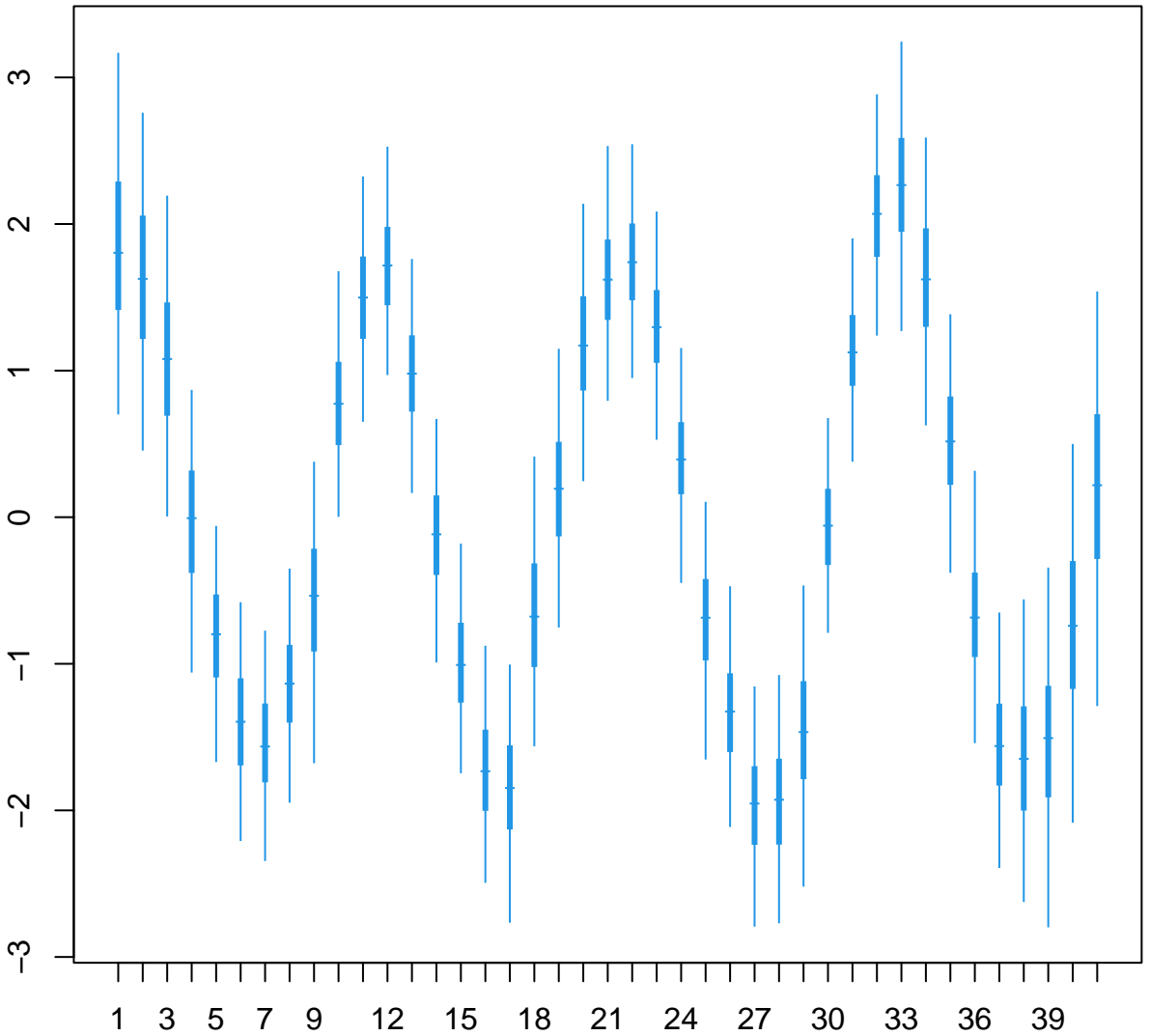
trend



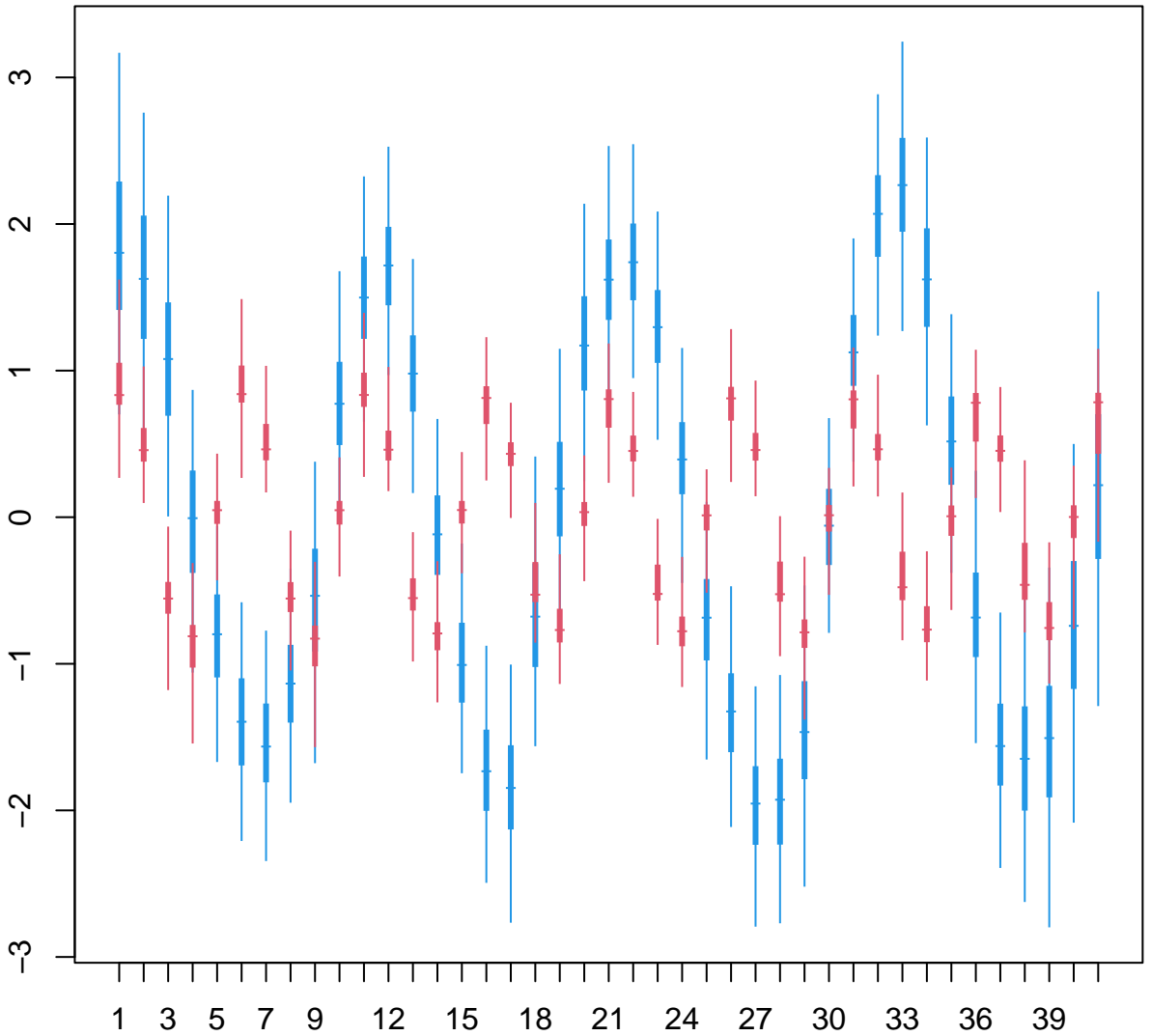
trend

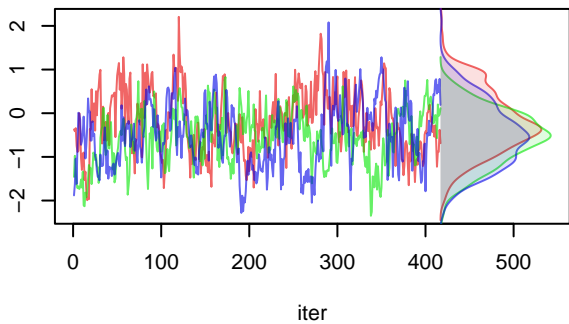
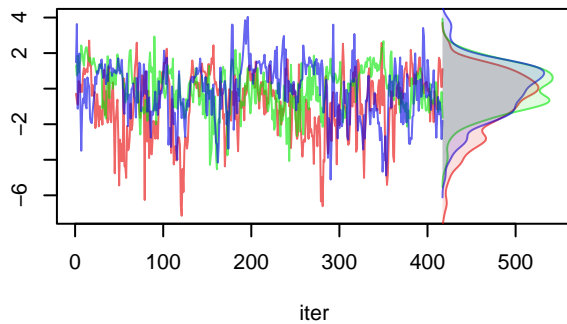
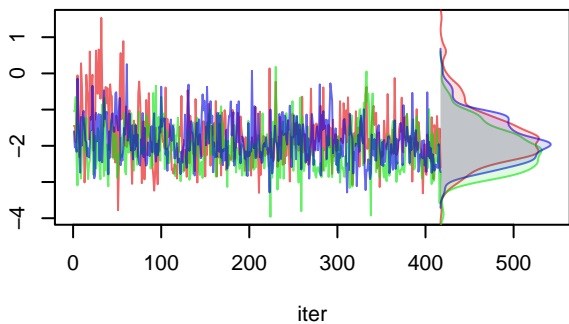
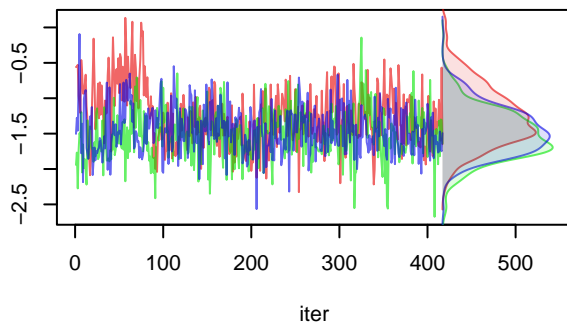
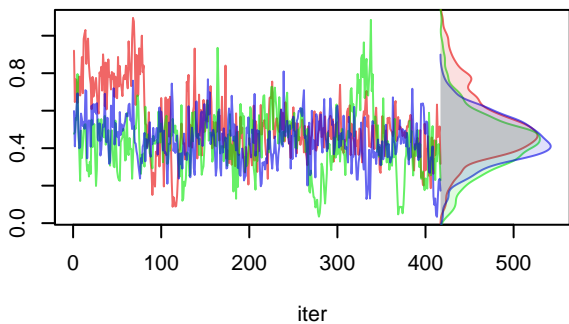
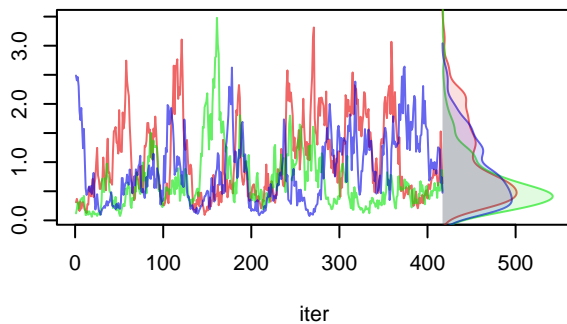


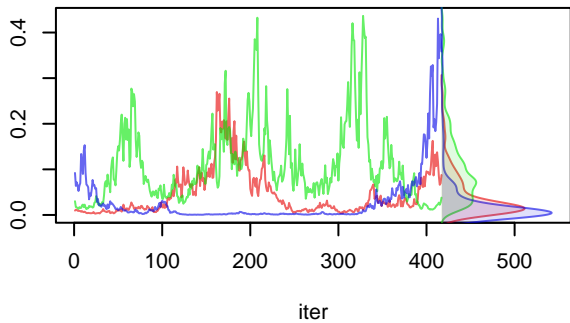
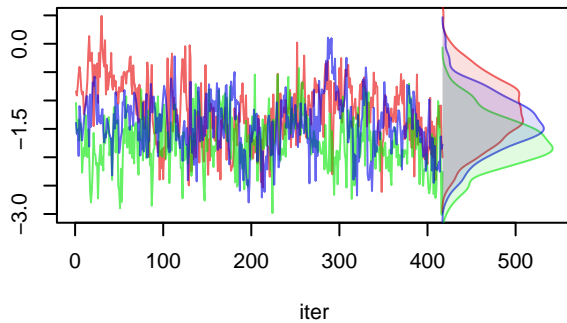
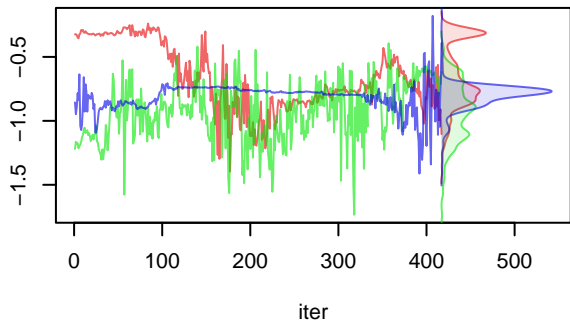
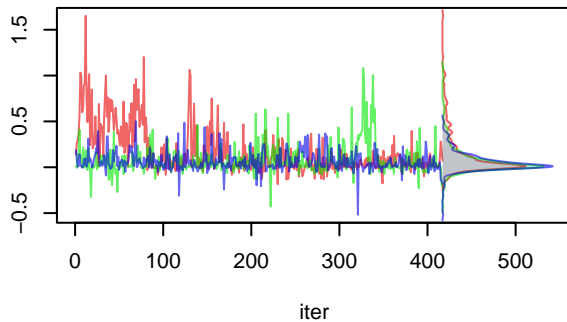
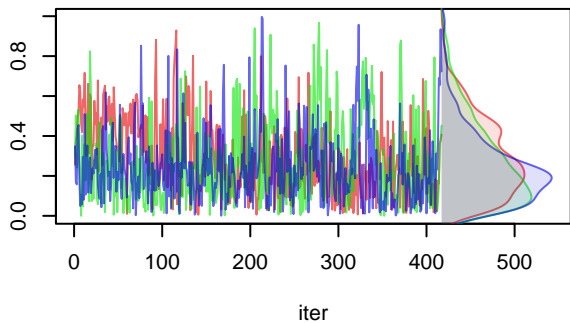
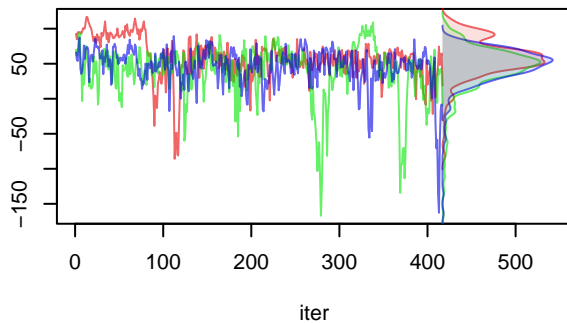
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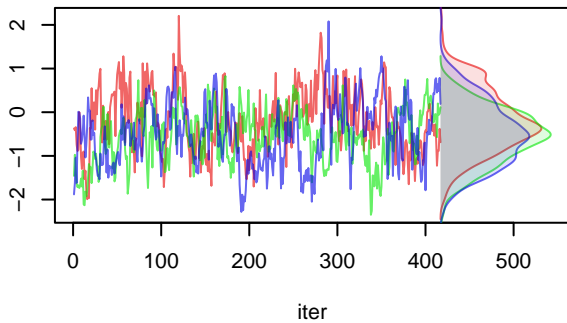
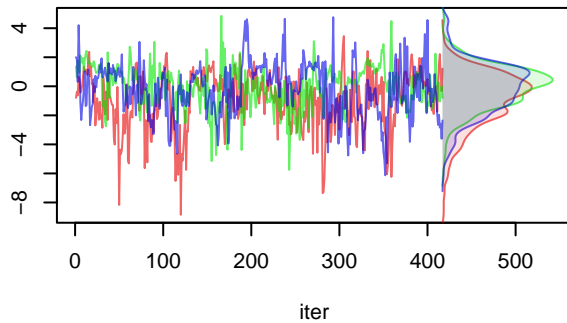
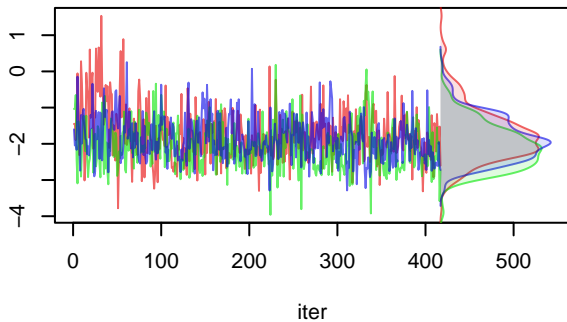
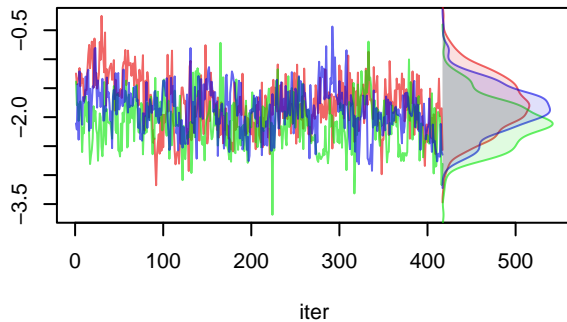
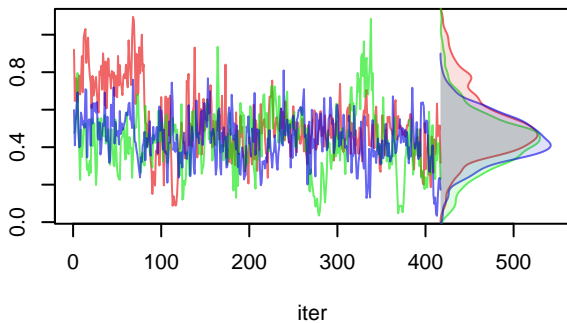
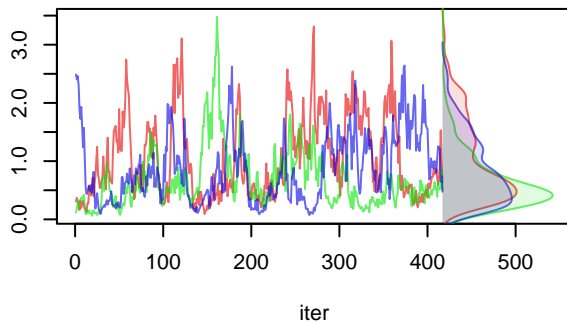


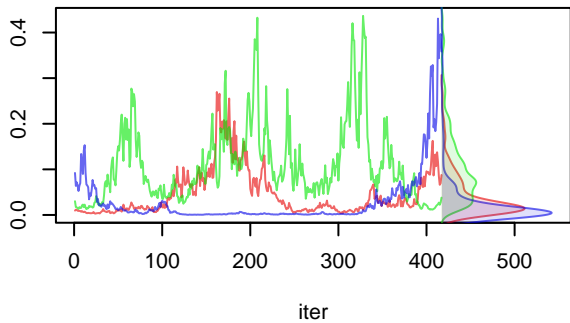
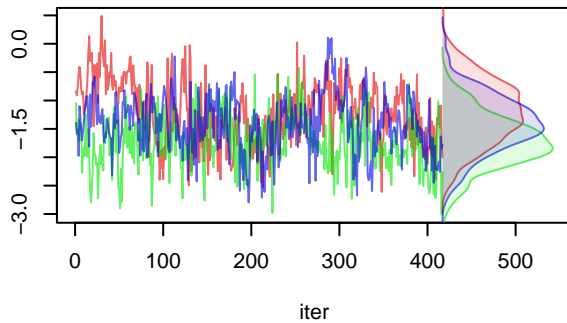
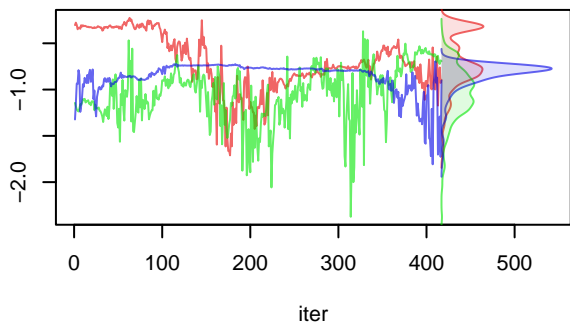
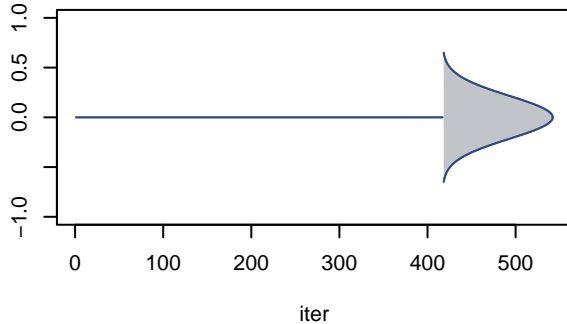
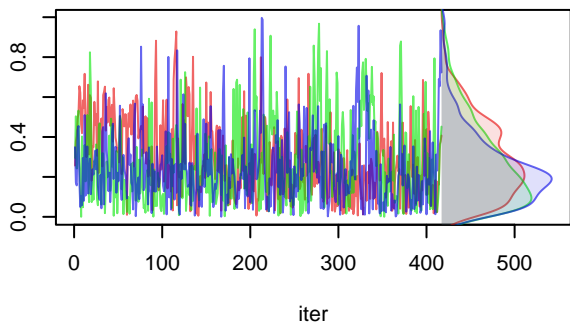
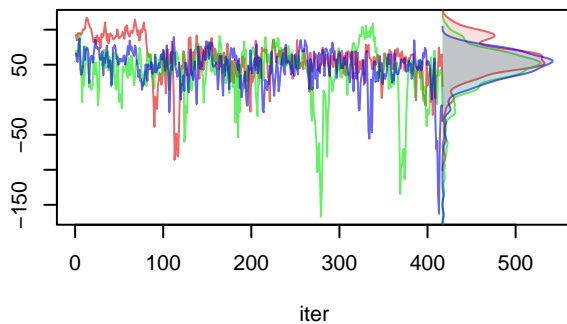
cycle_s



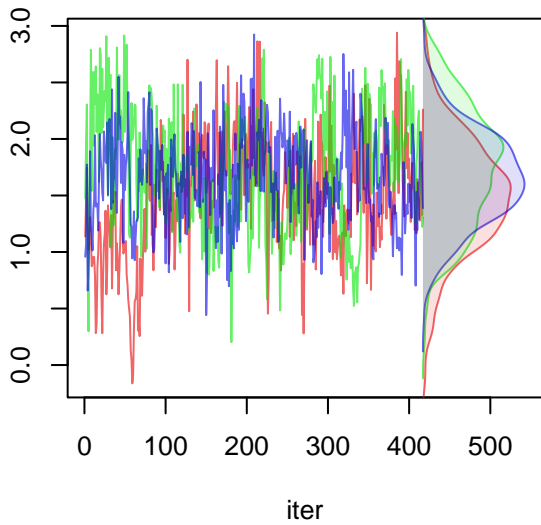
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sig_omega[2]**cycle[9]****cycle_s[14,2]****ar1[21]****phi****deviance**

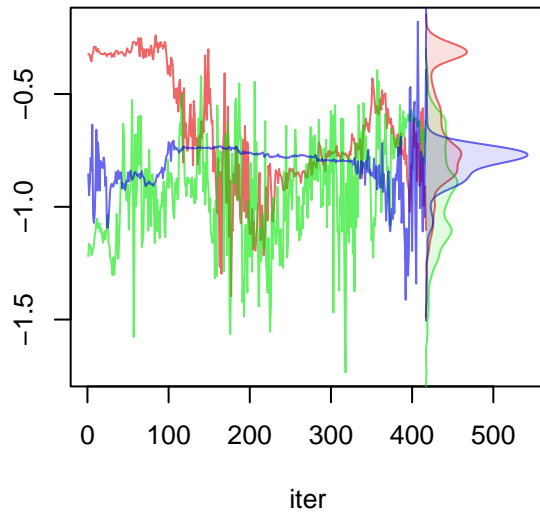
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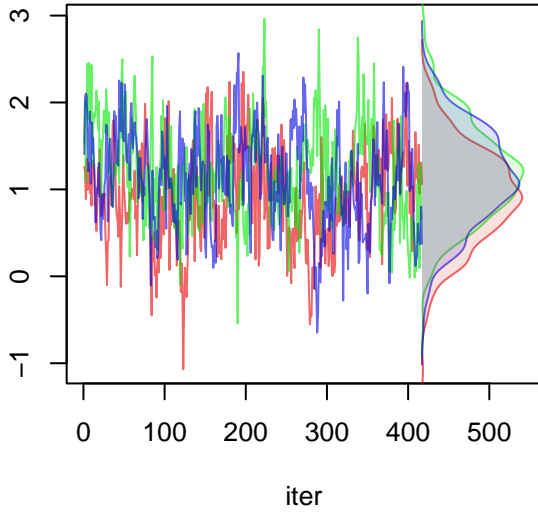
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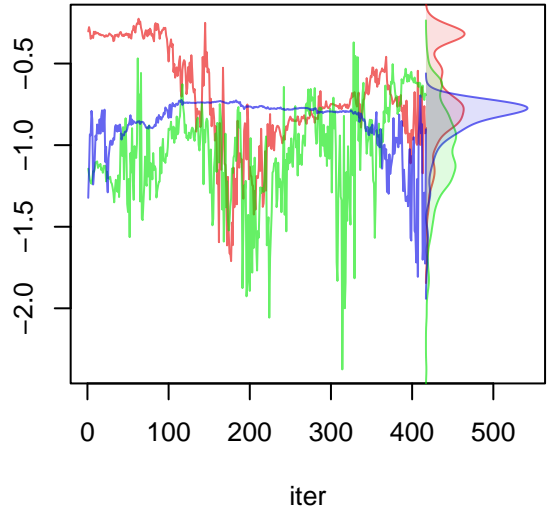
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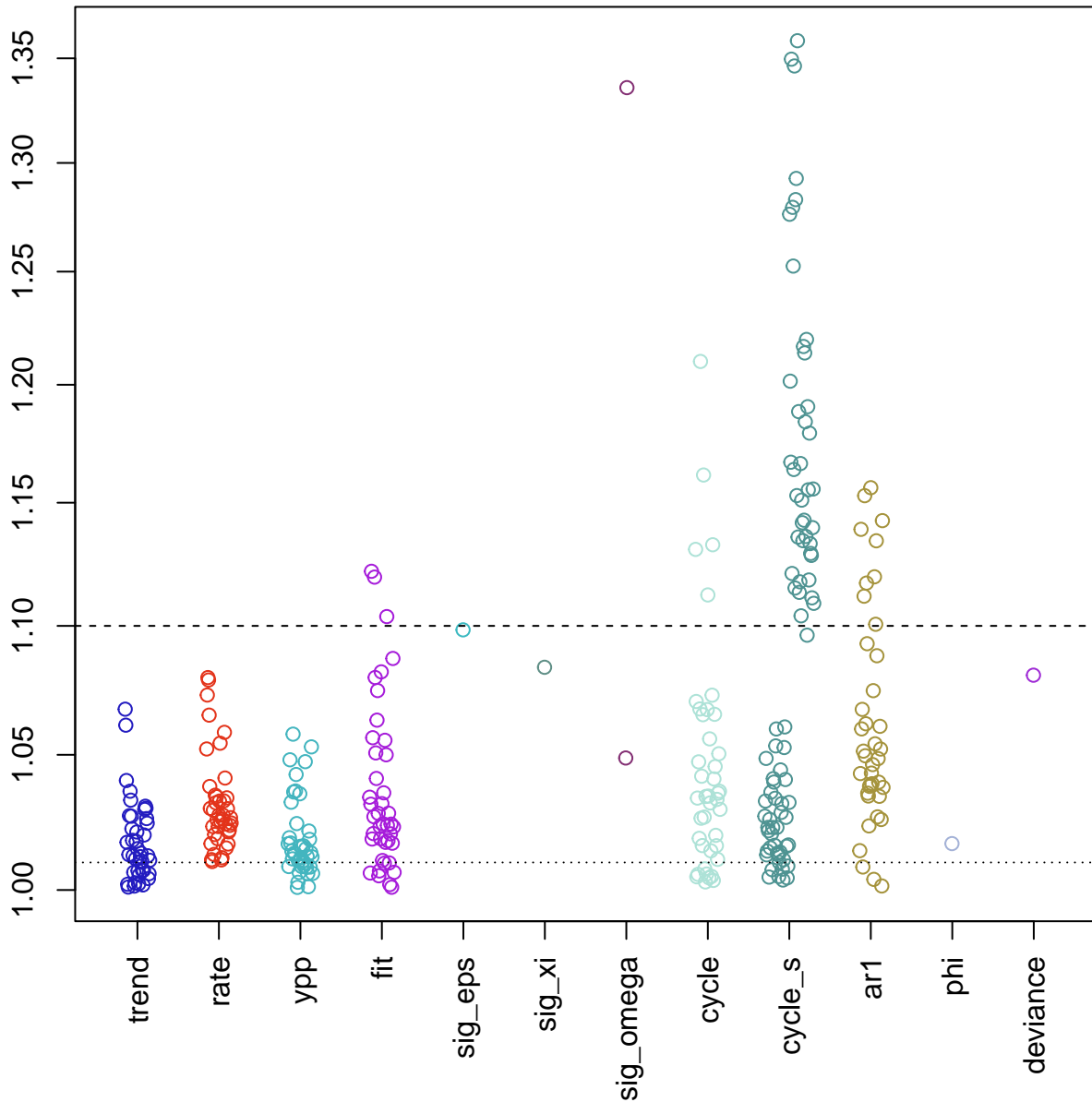
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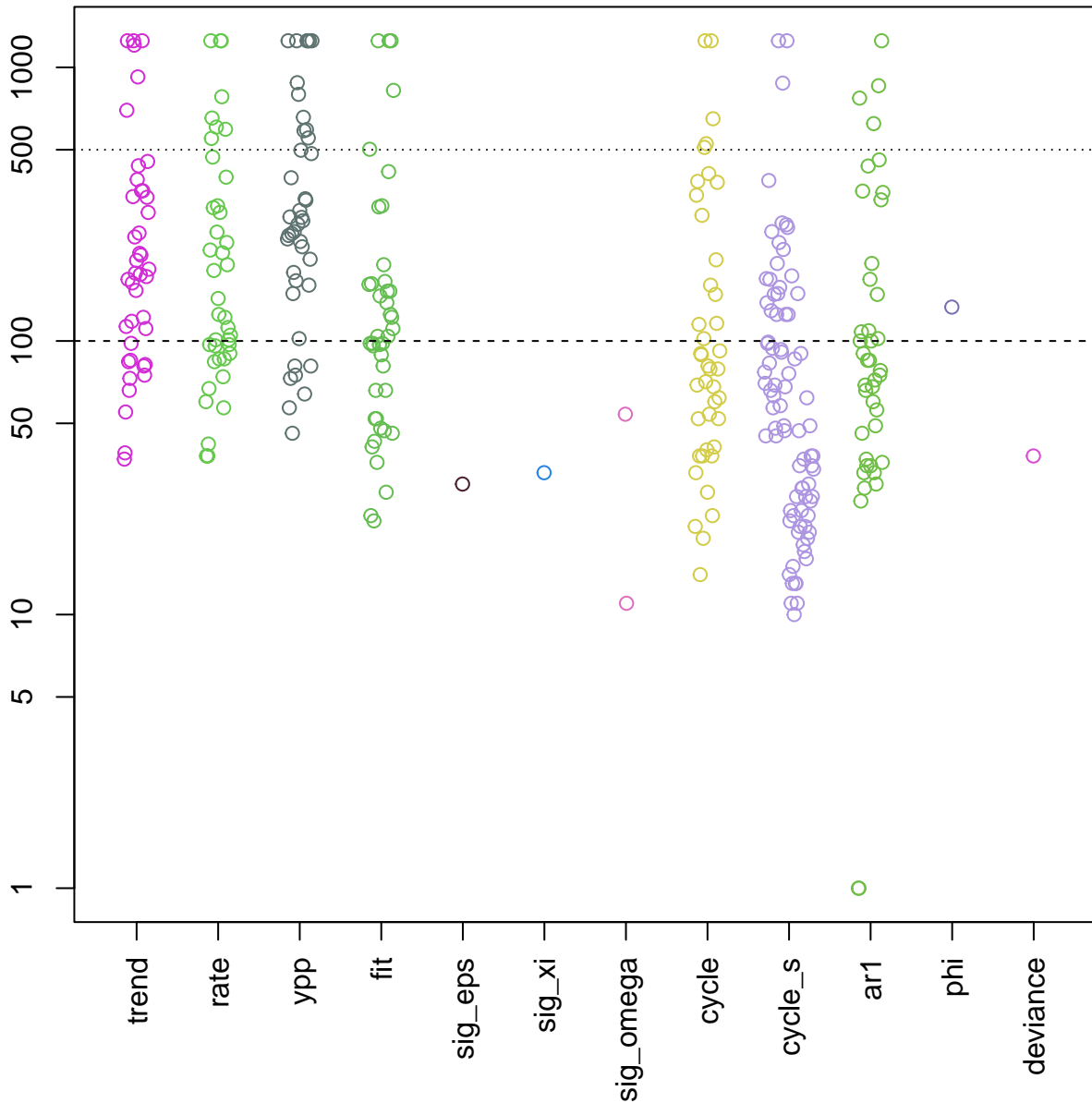
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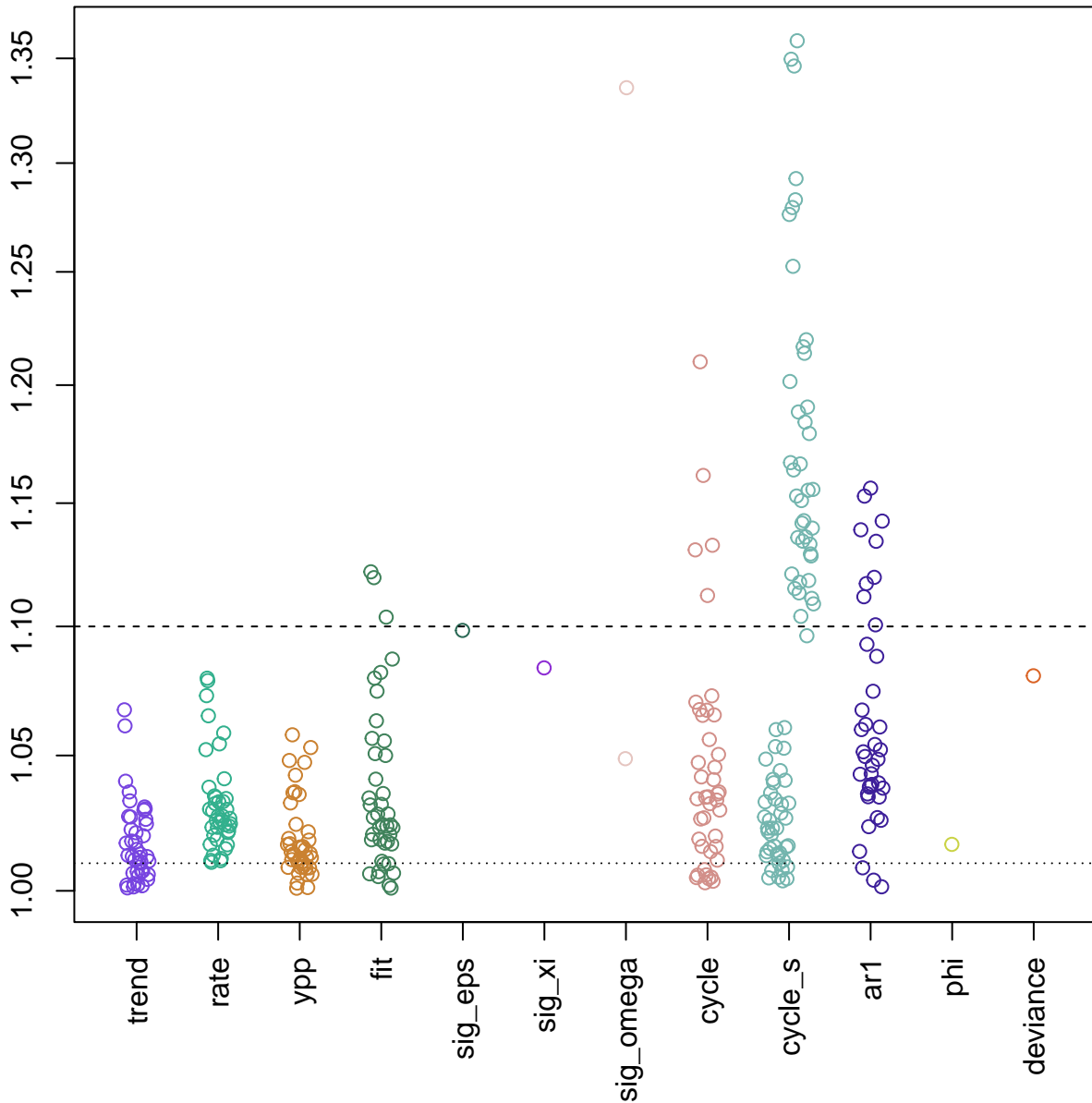
R hat



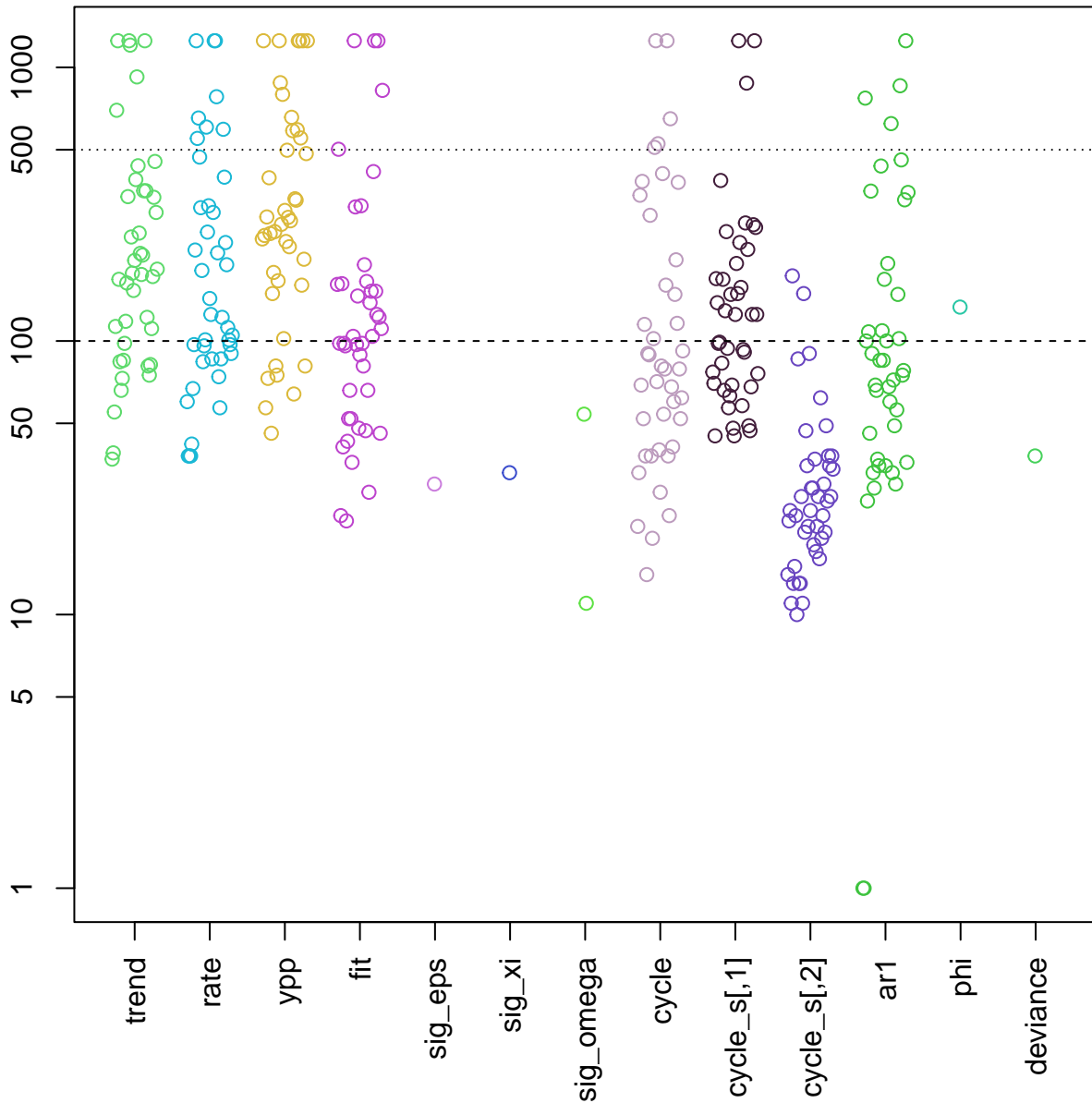
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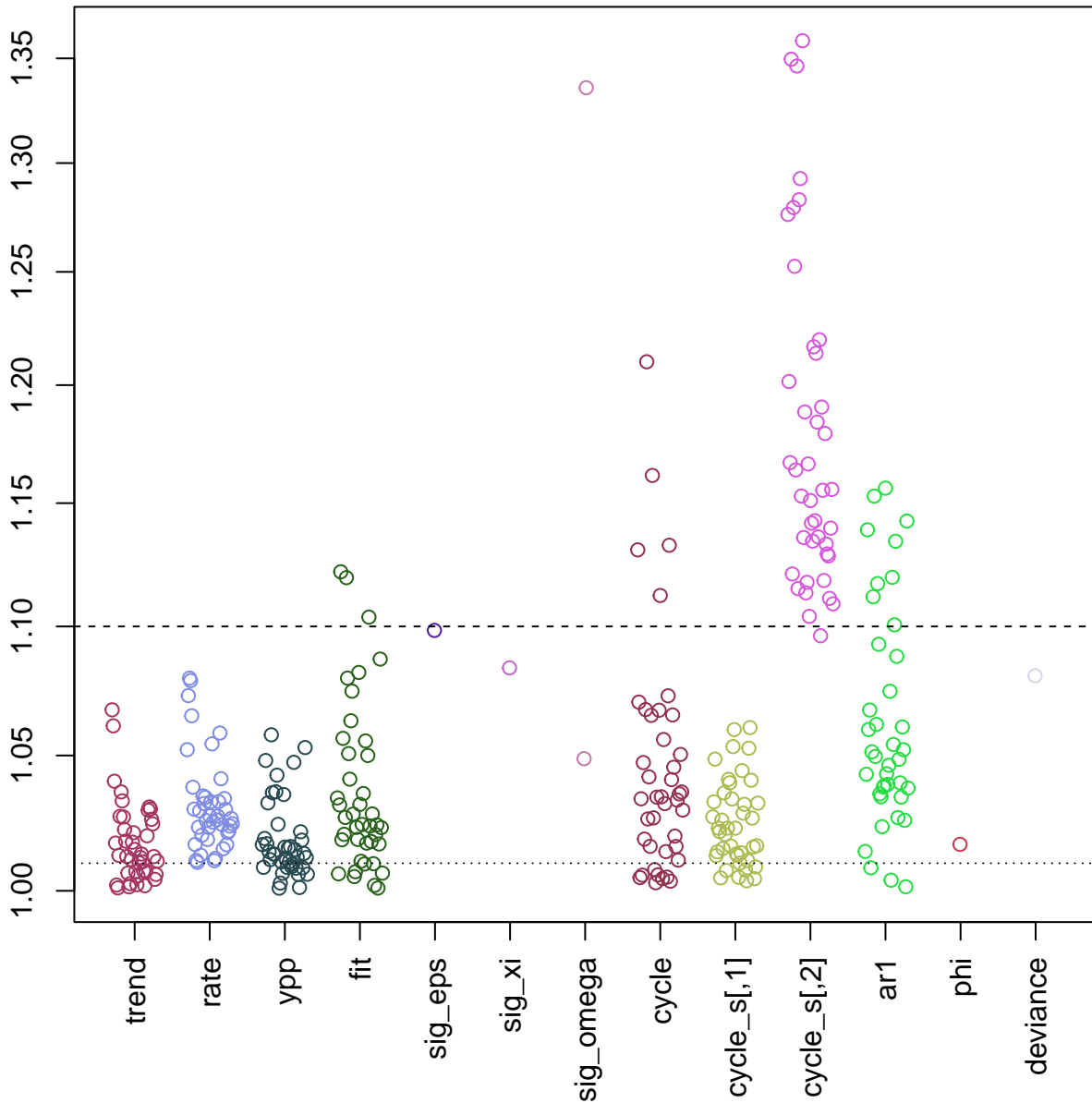
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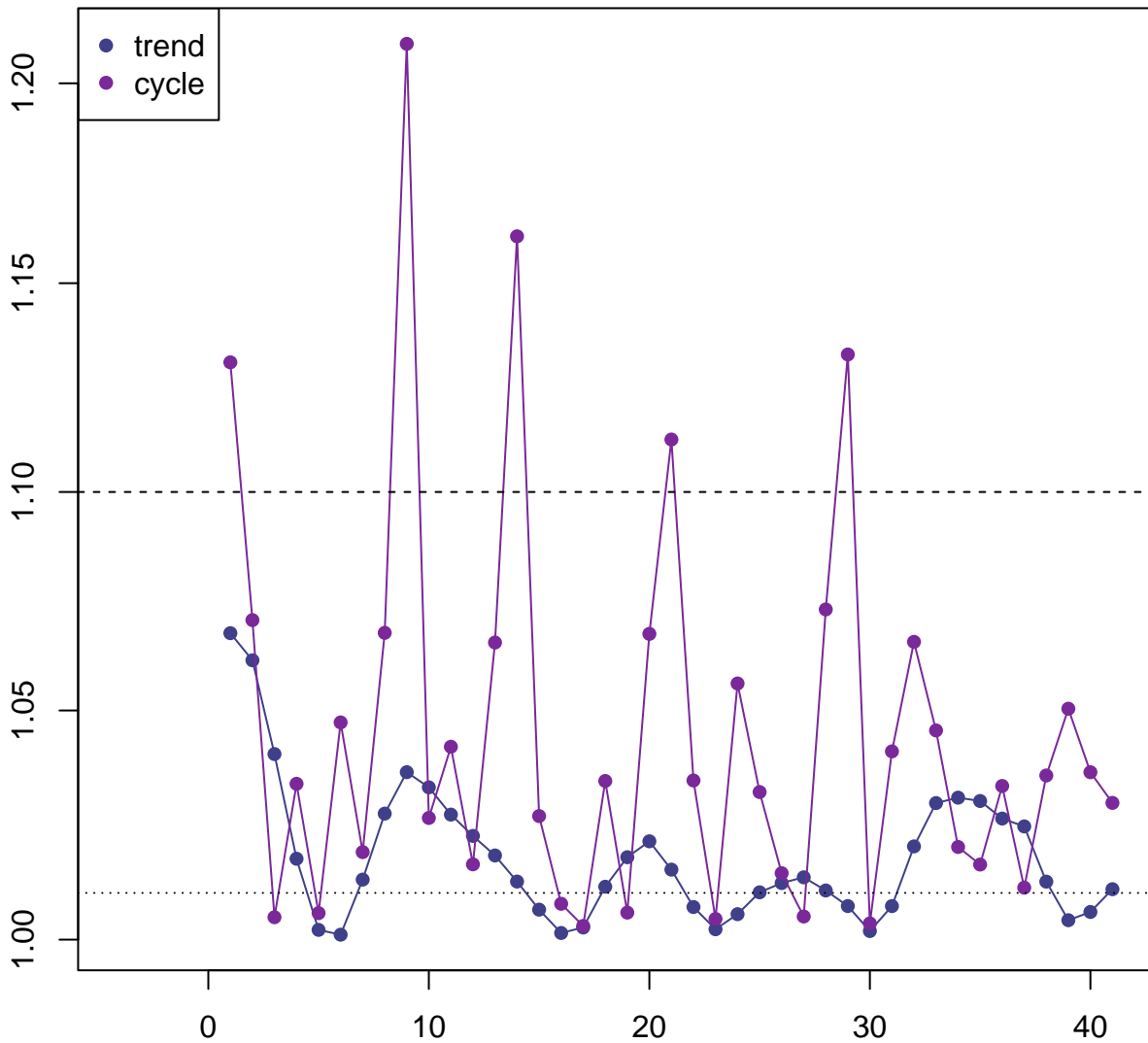
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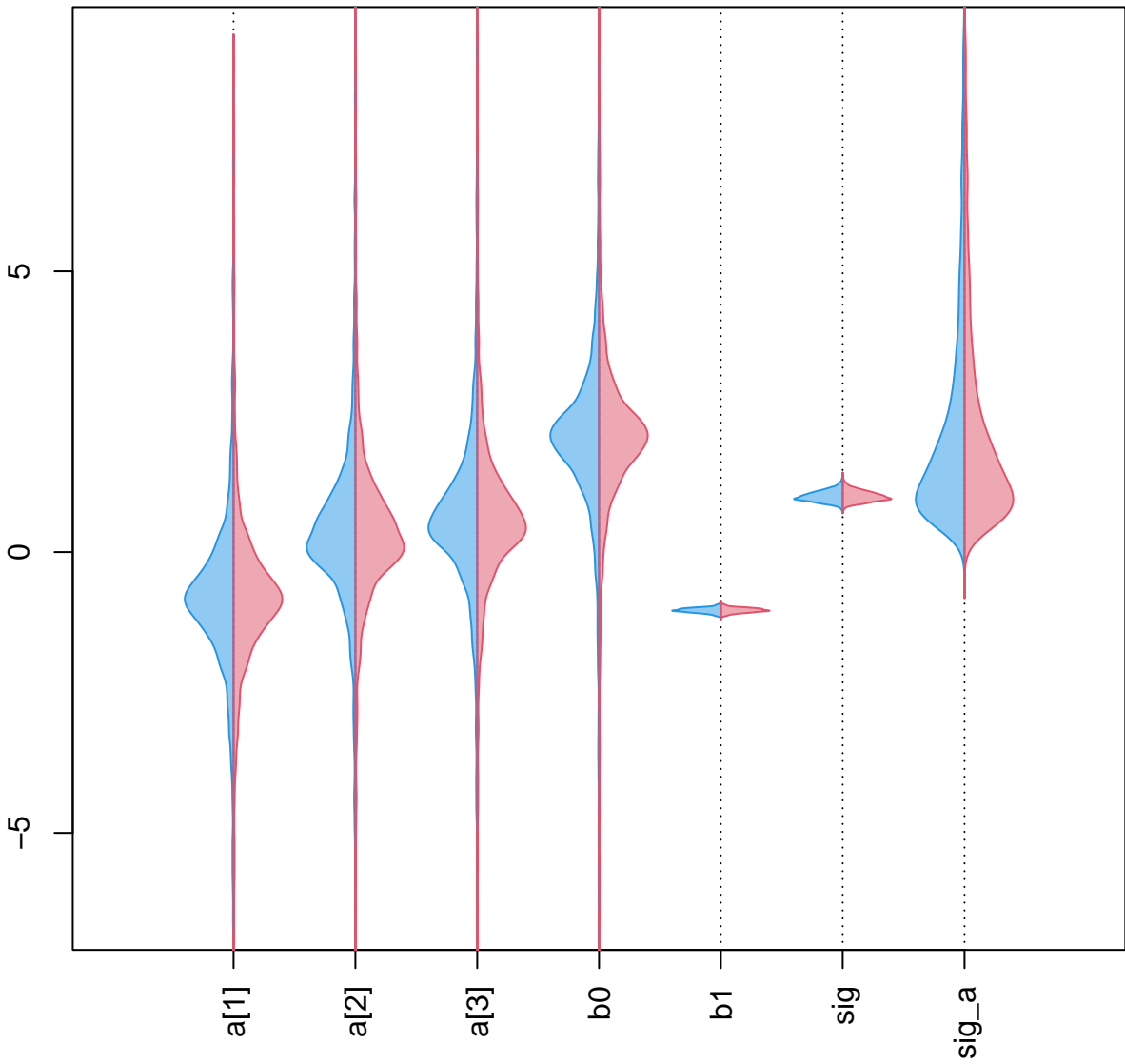


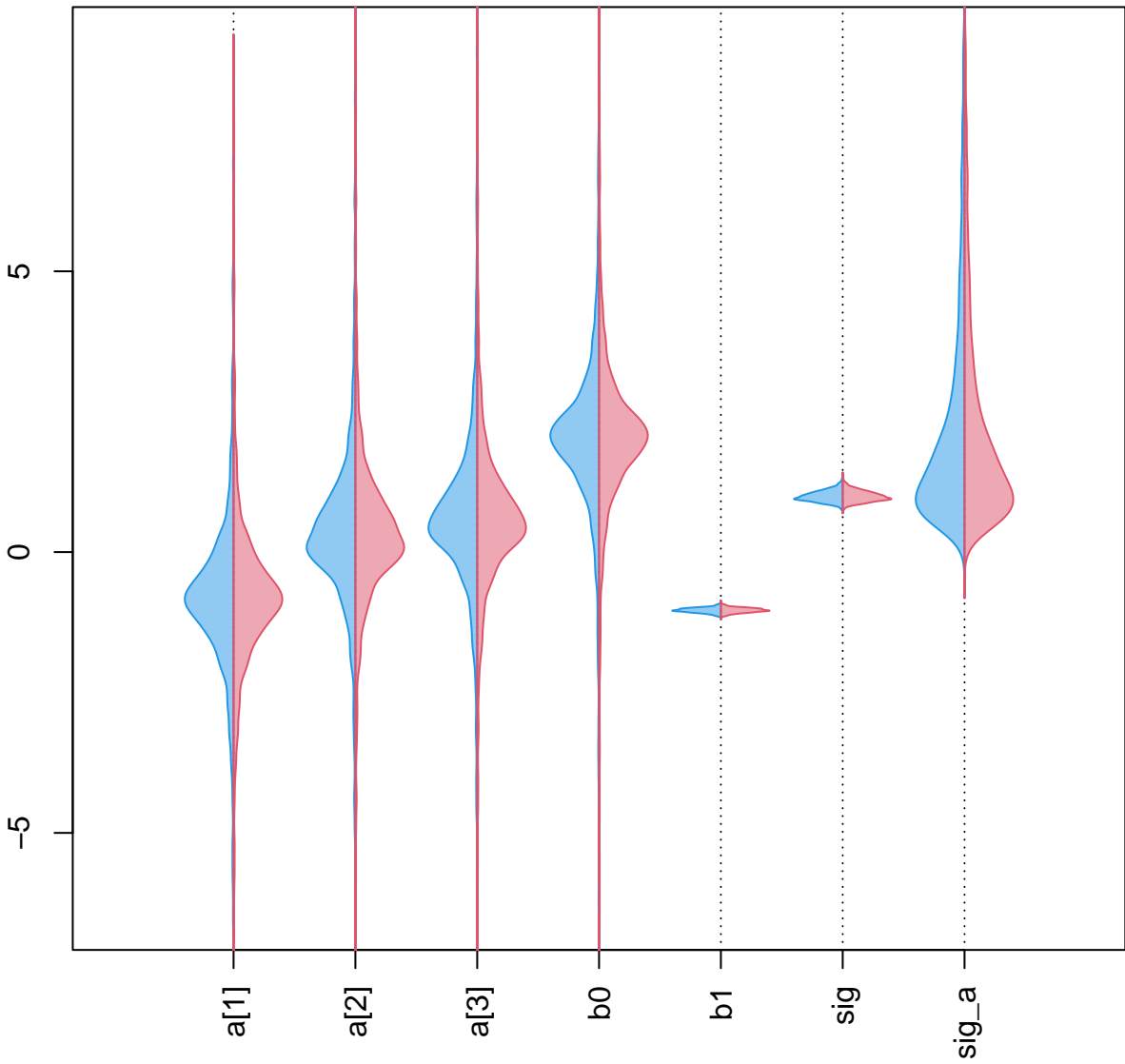
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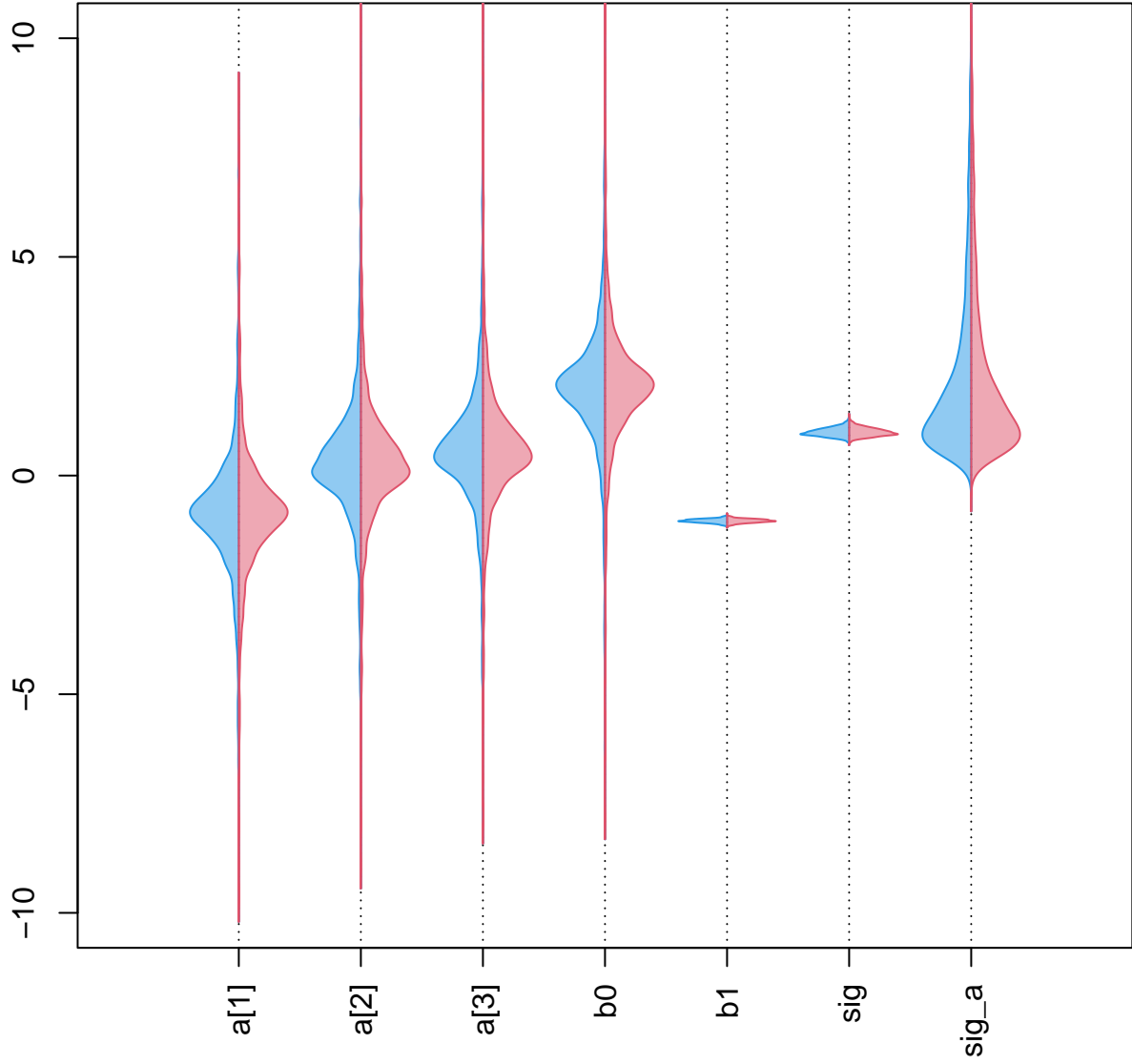


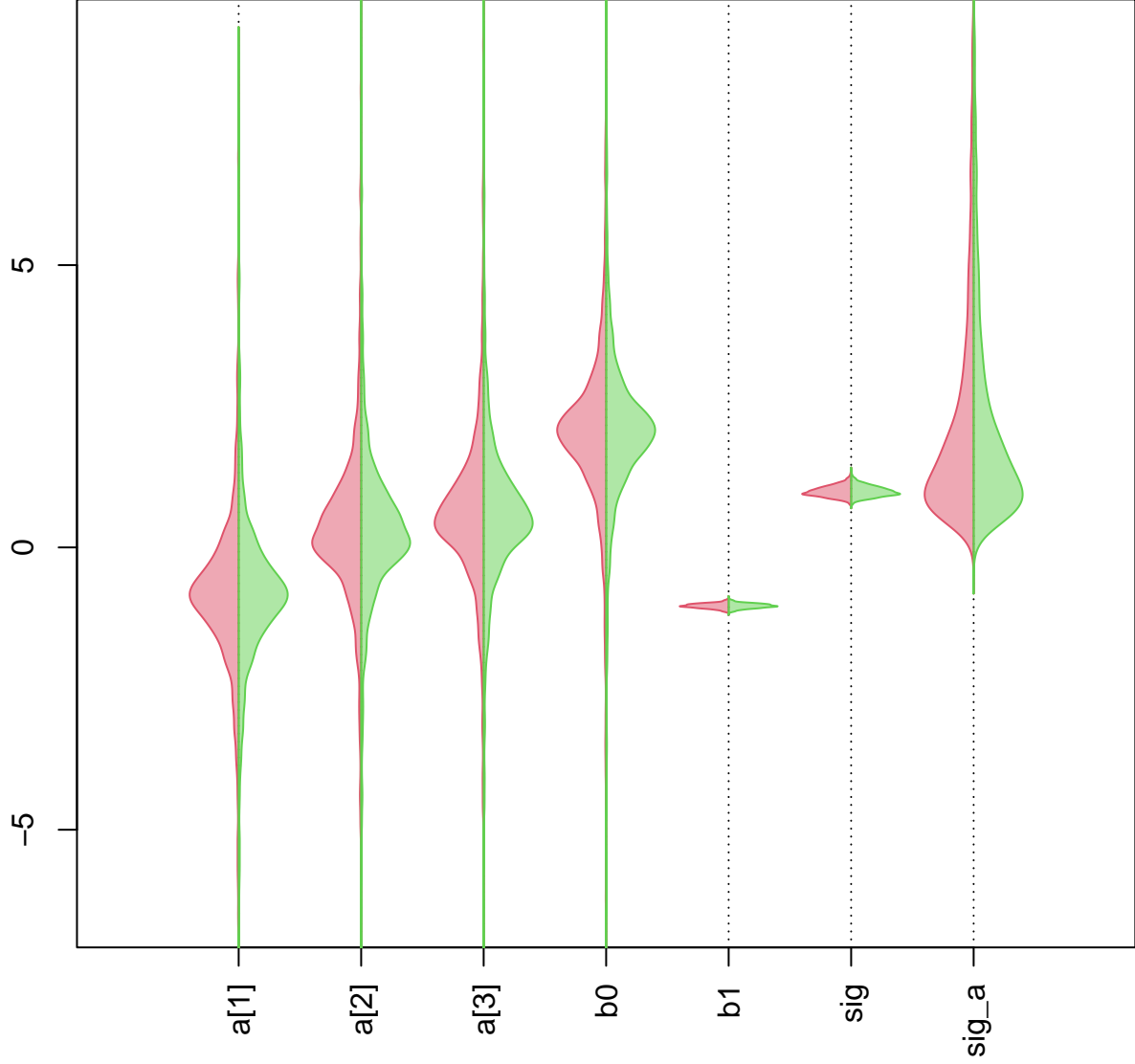
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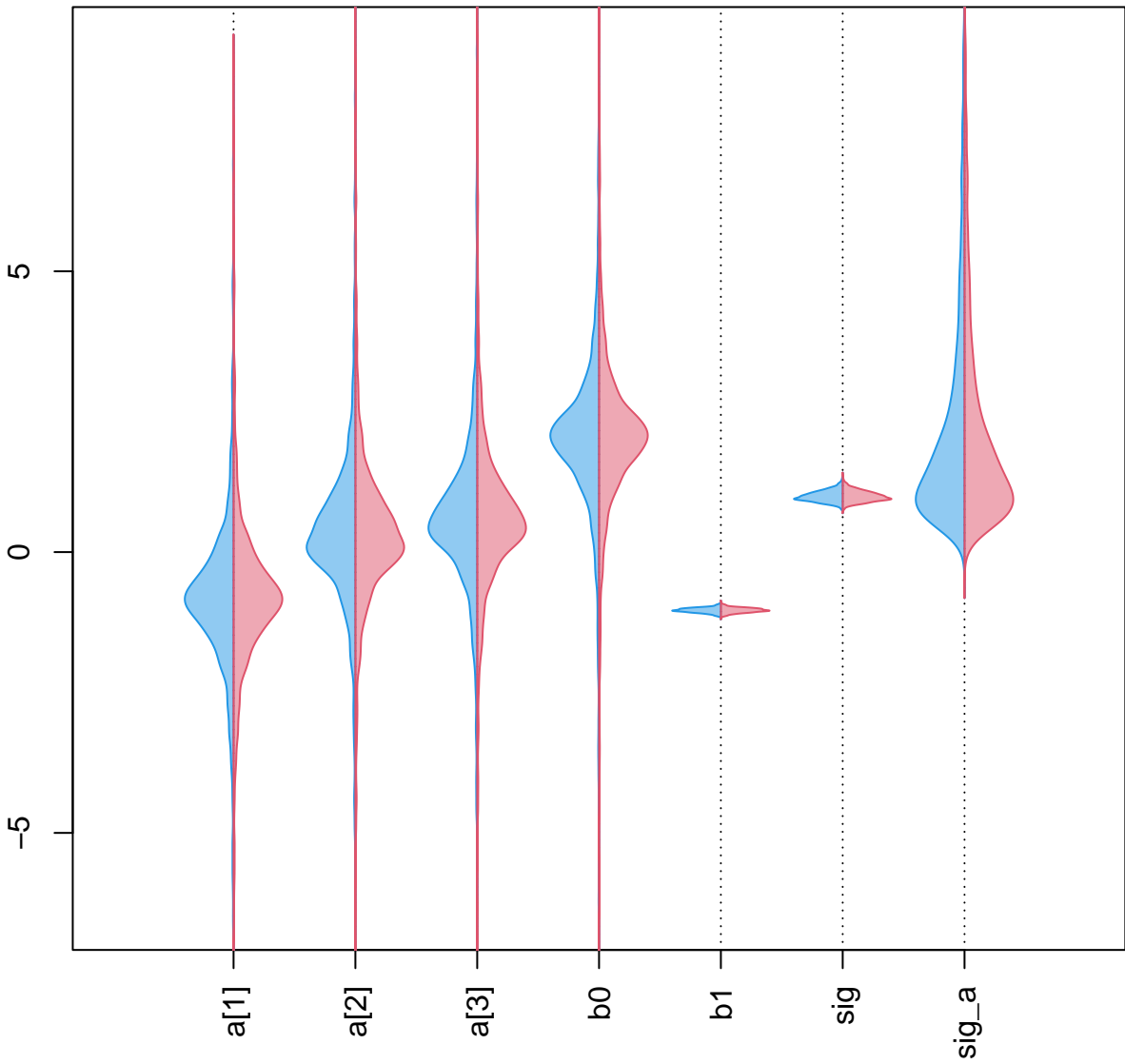


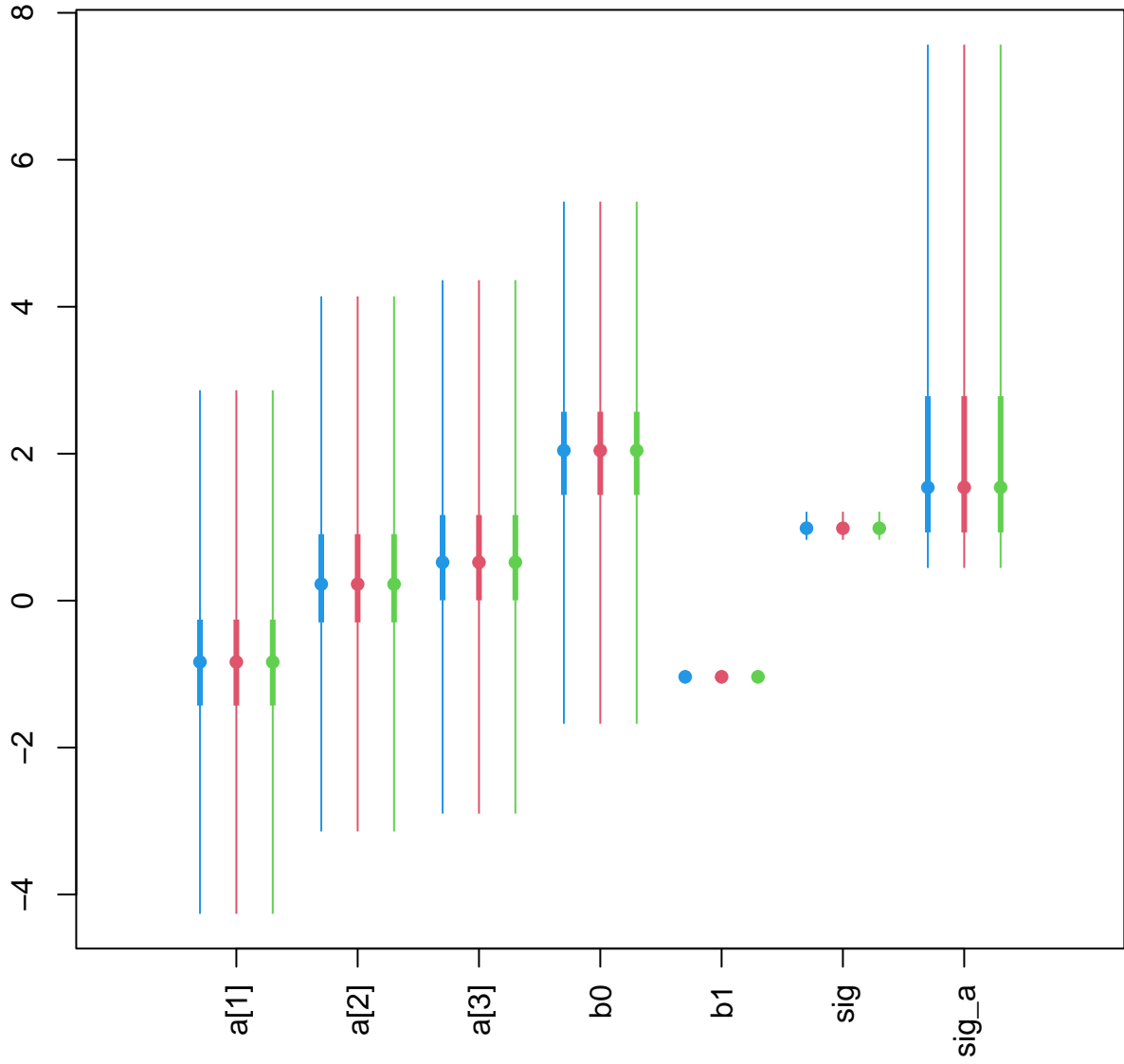


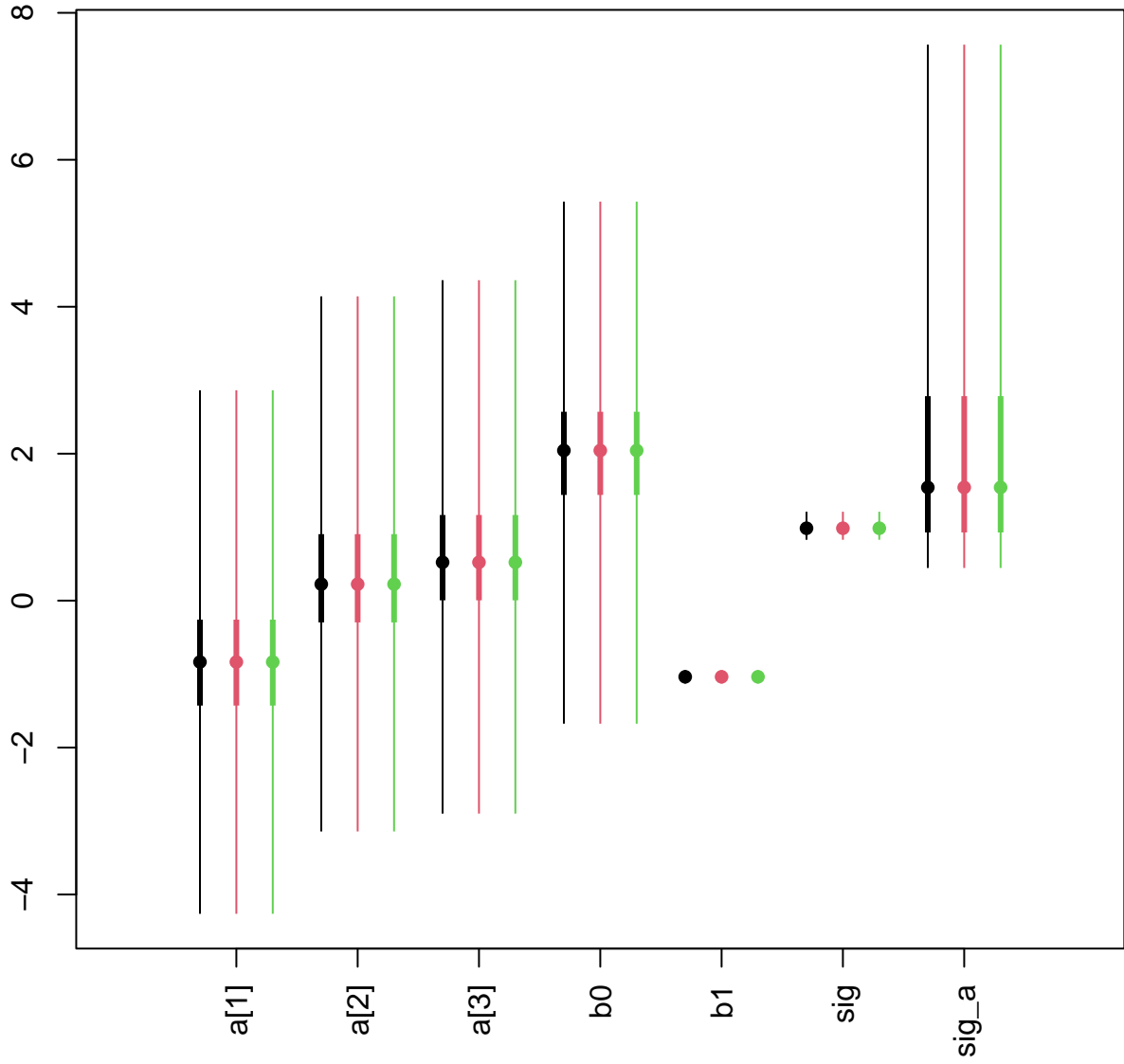


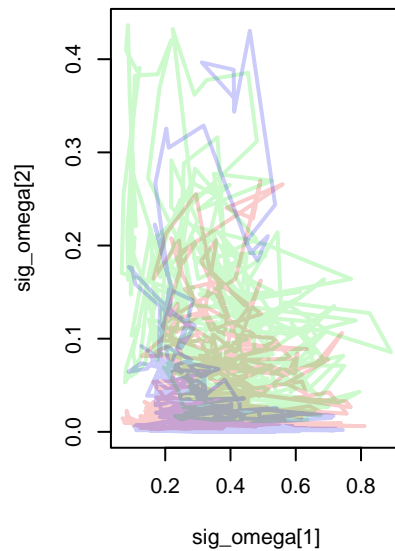
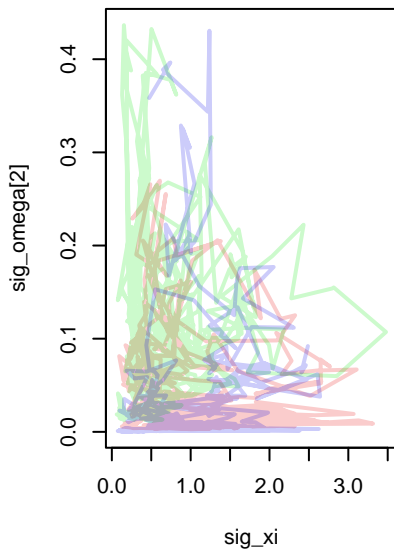
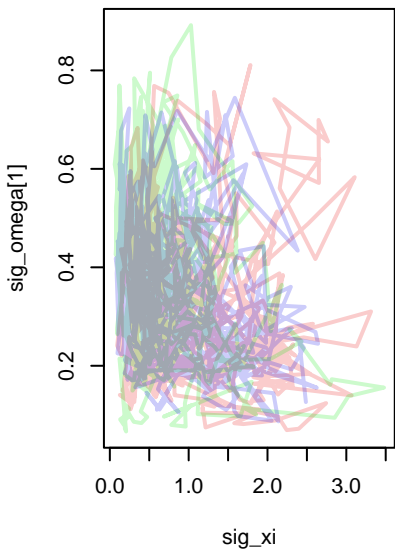
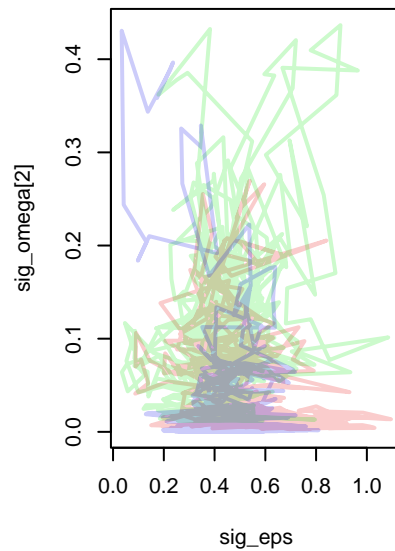
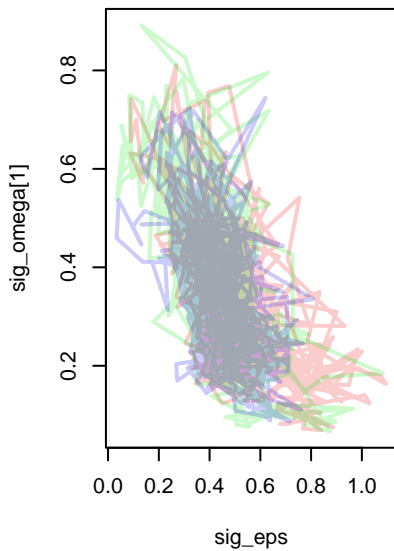
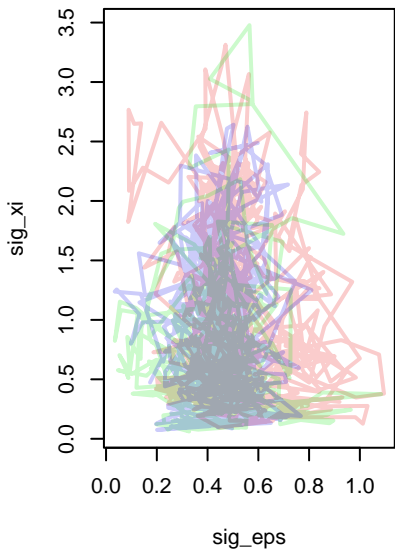


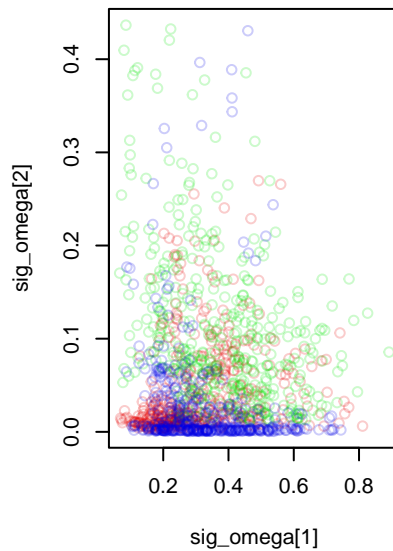
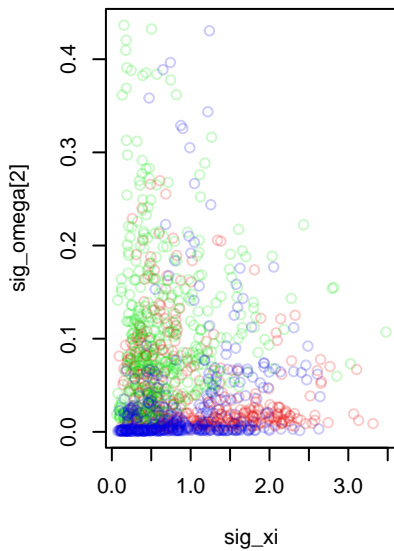
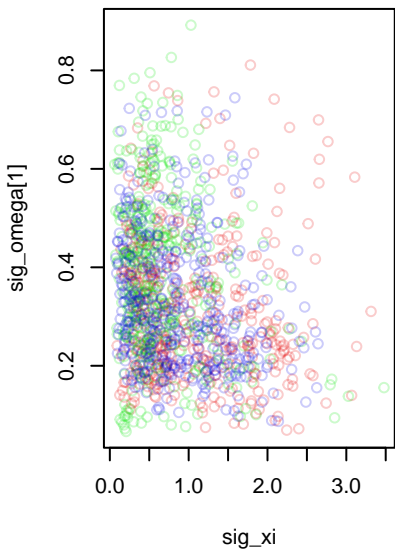
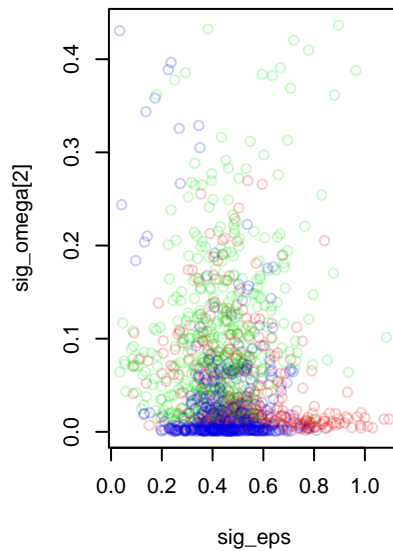
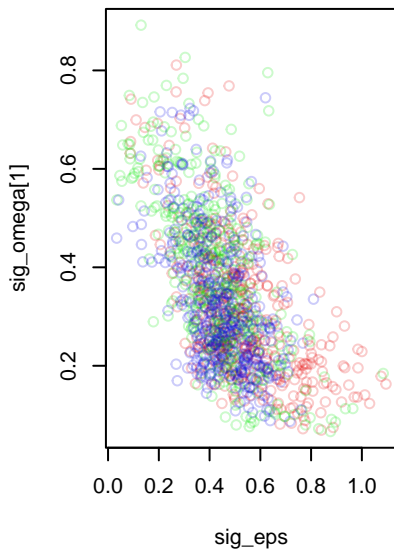
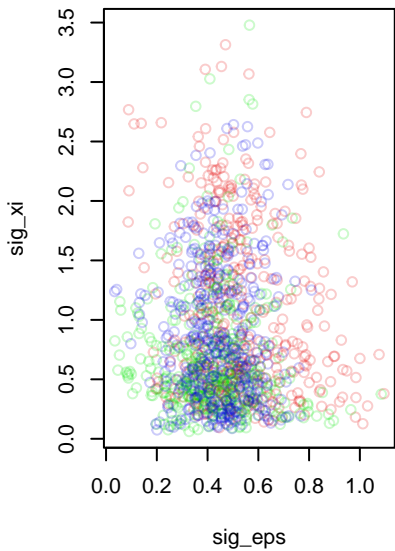


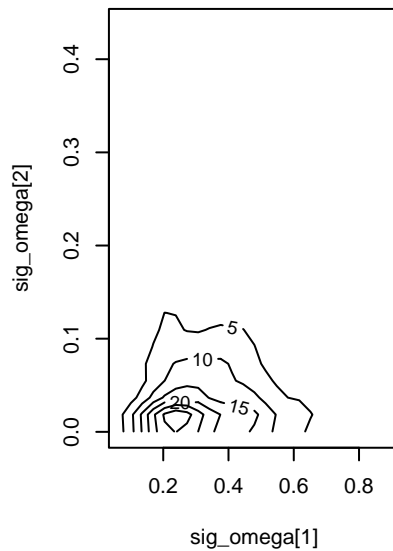
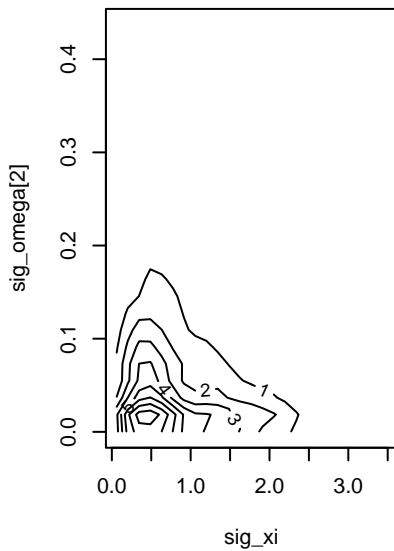
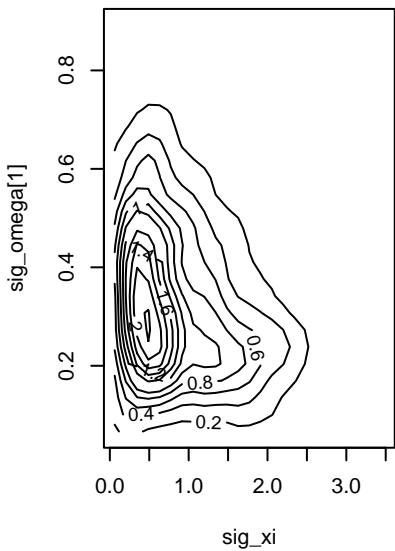
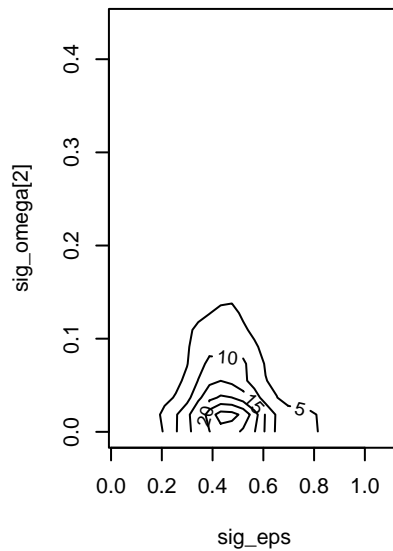
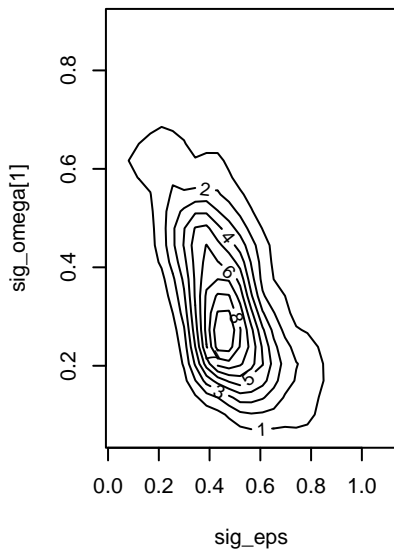
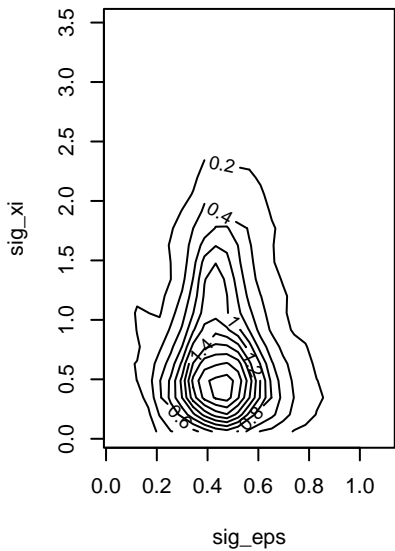


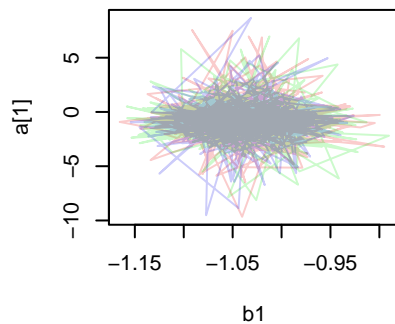
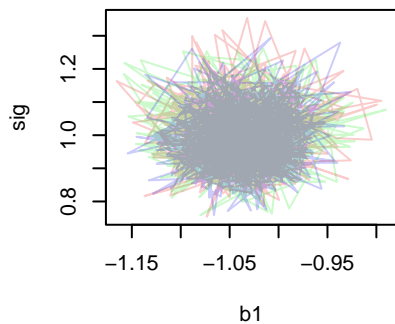
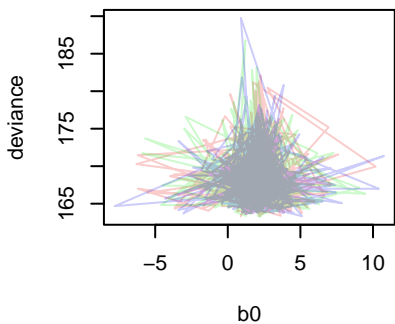
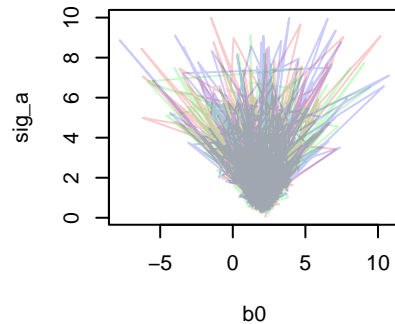
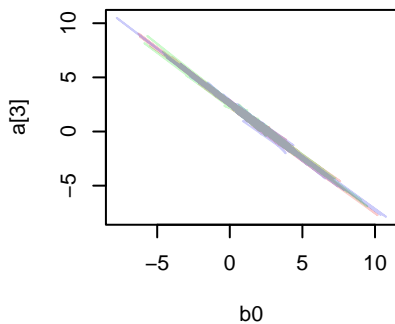
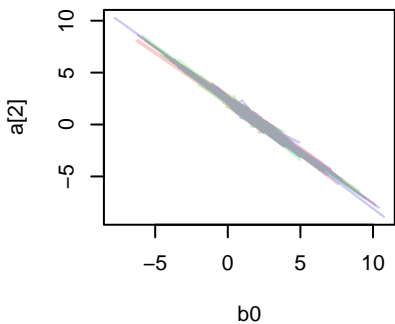
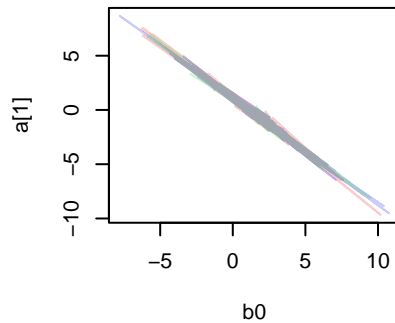
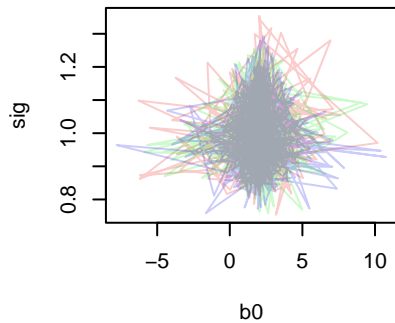
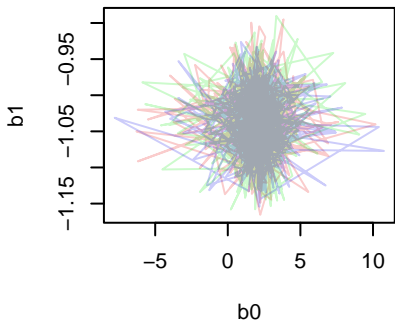


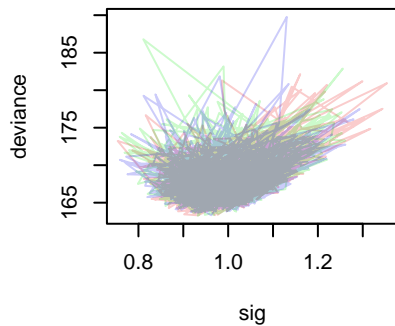
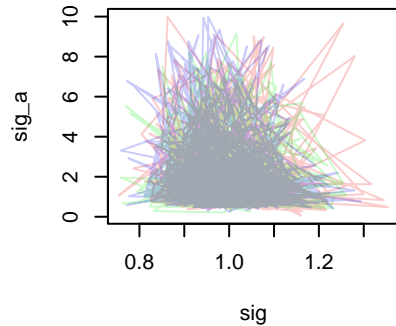
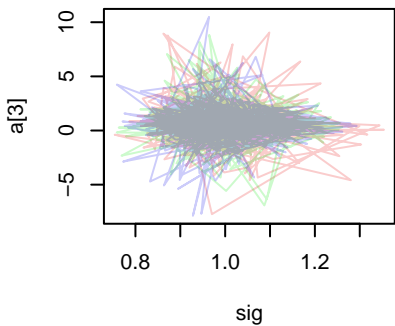
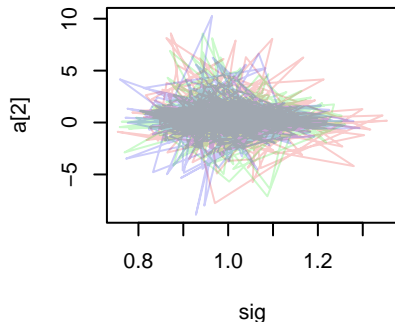
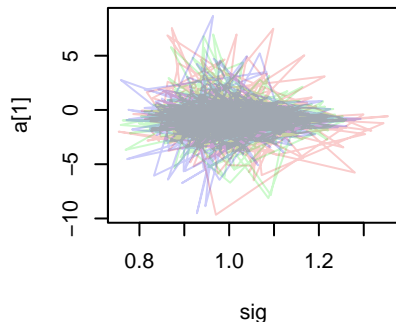
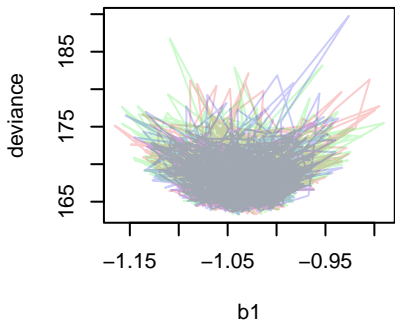
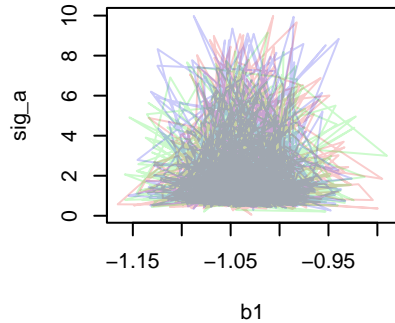
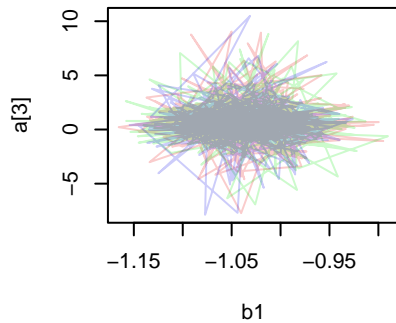
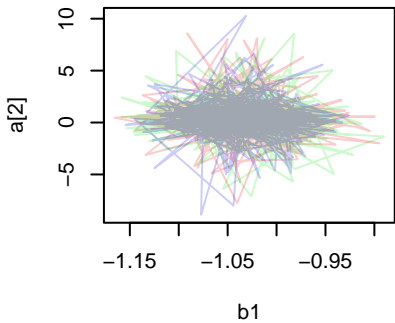


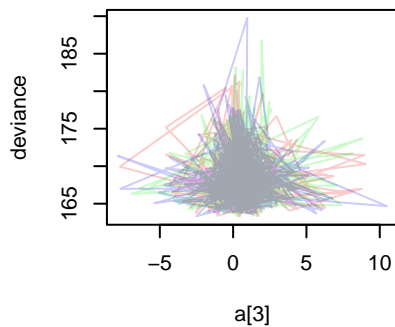
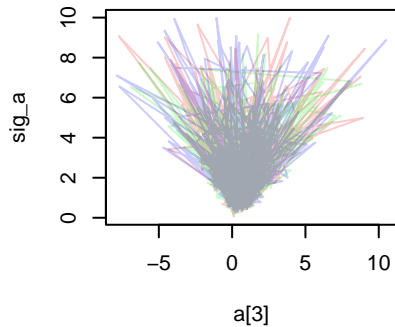
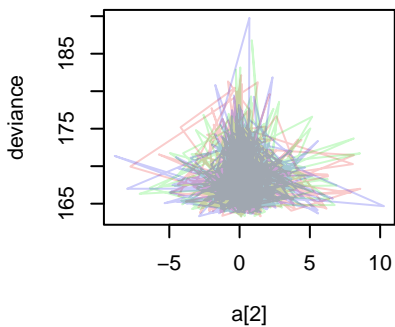
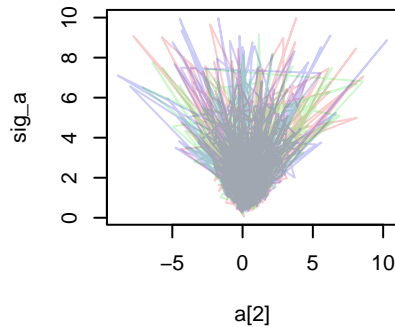
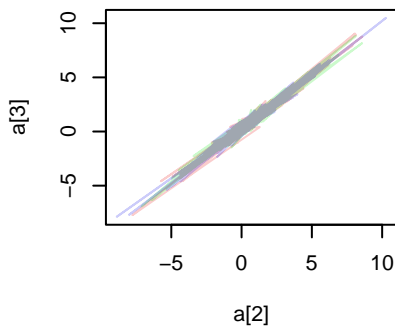
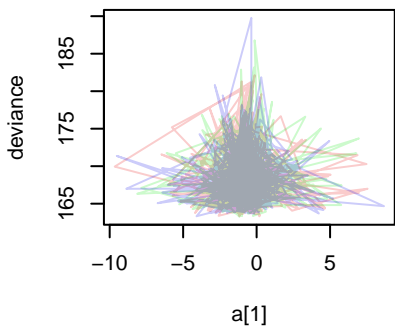
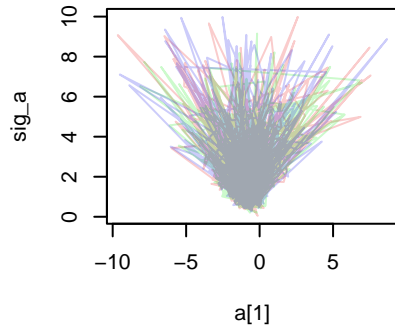
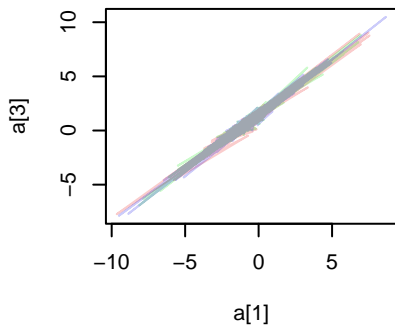
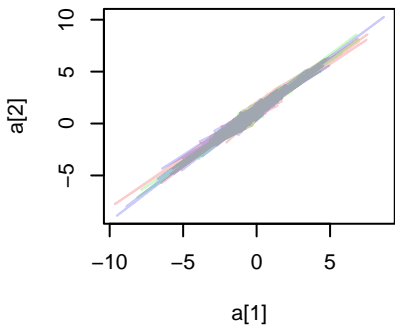


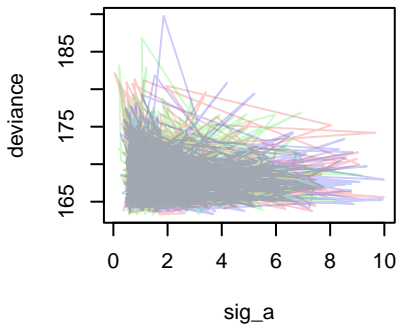


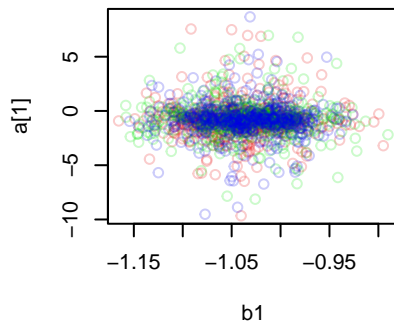
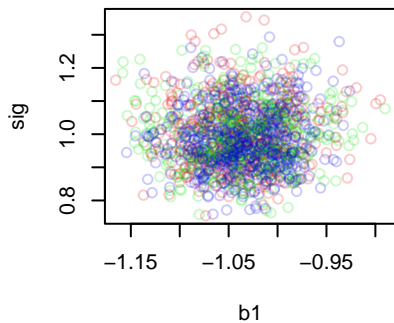
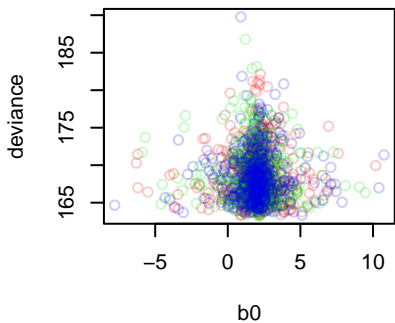
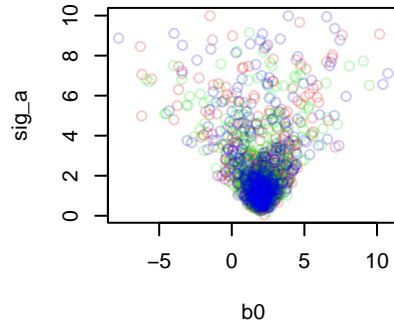
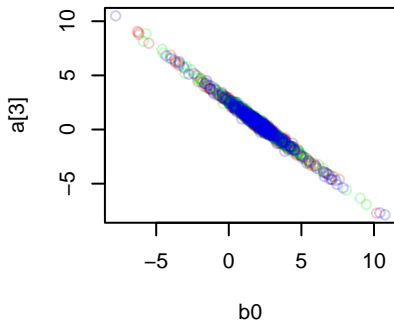
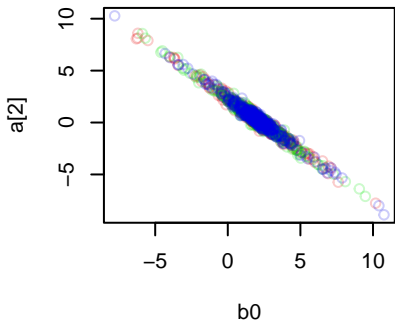
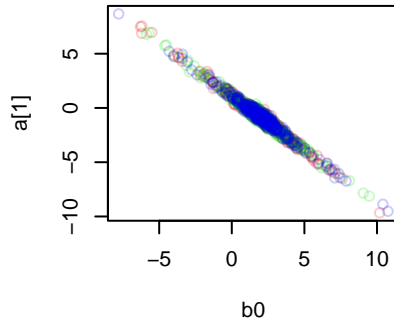
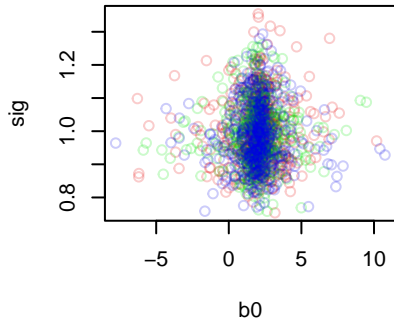
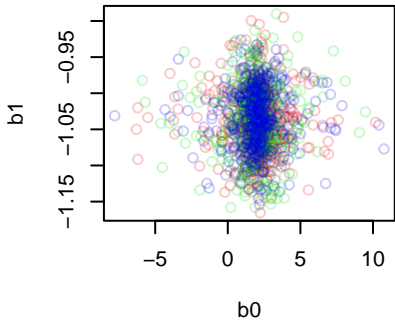


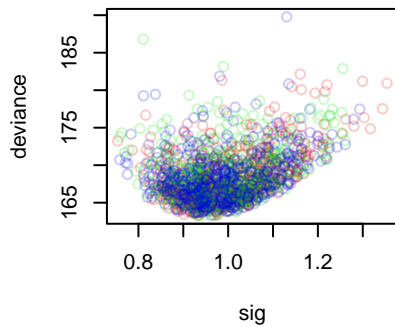
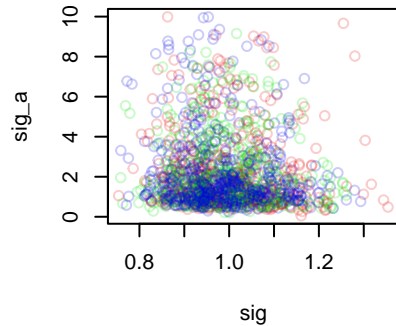
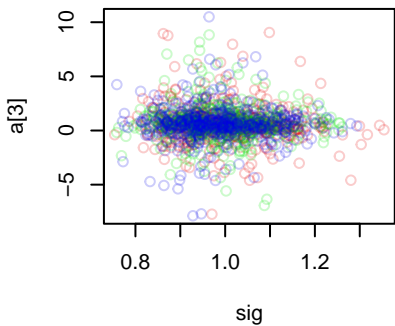
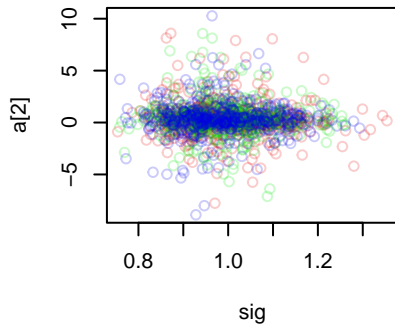
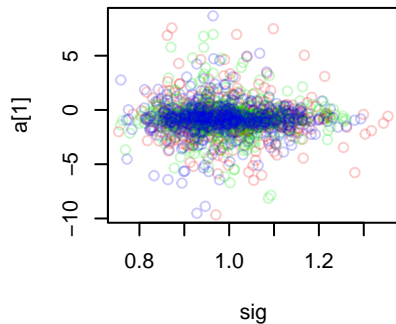
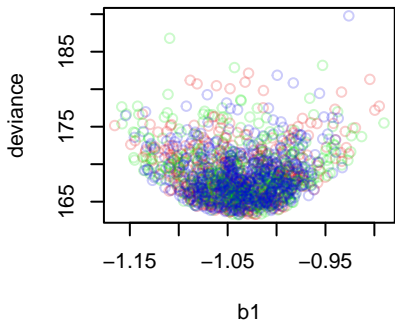
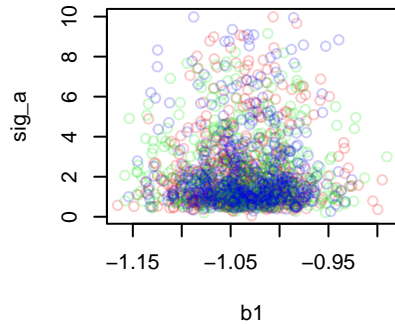
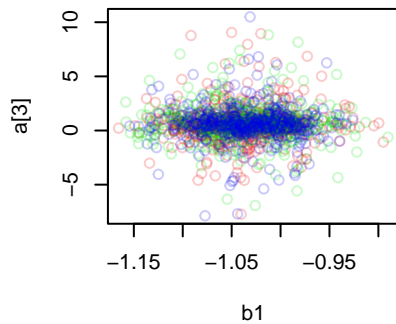
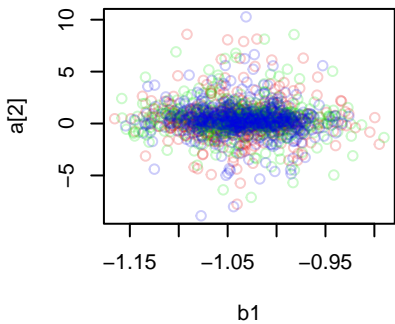


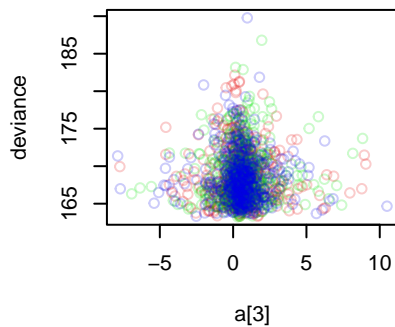
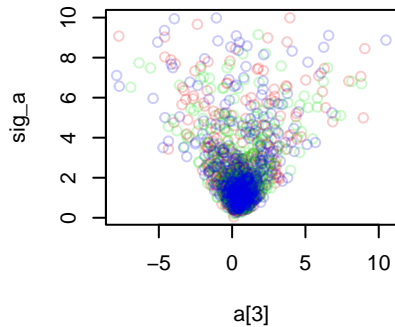
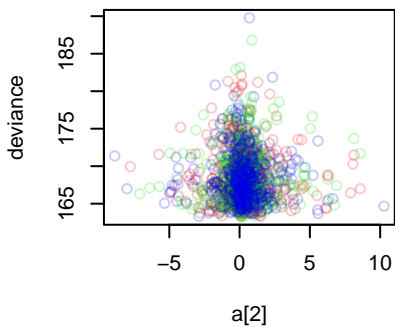
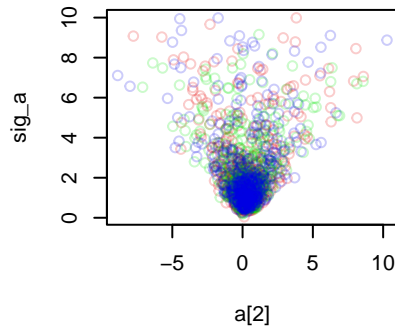
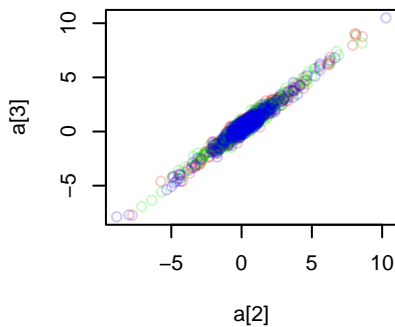
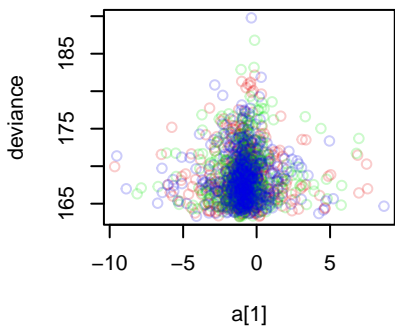
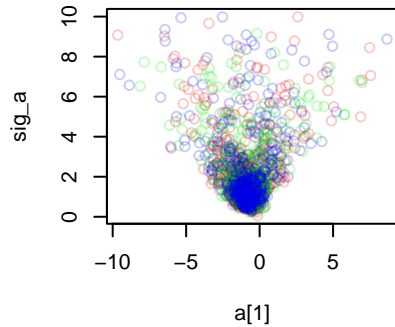
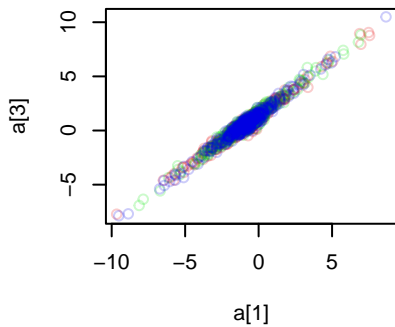
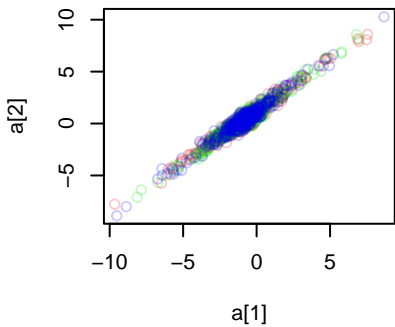


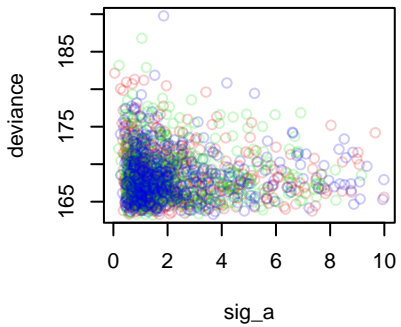


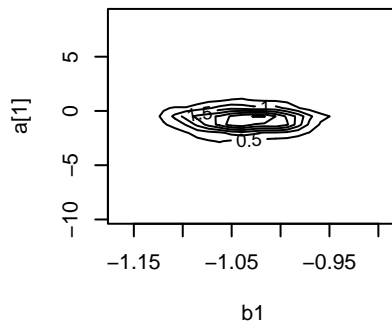
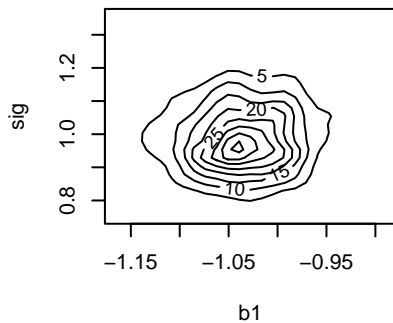
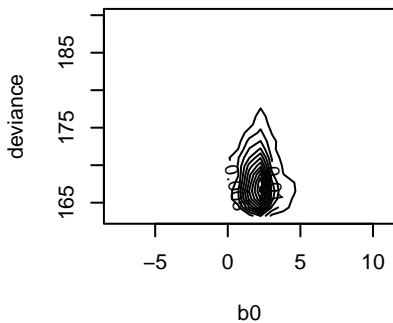
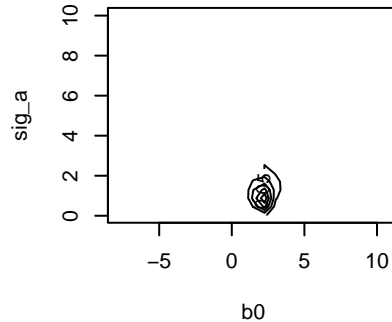
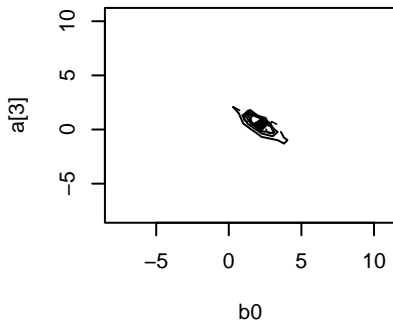
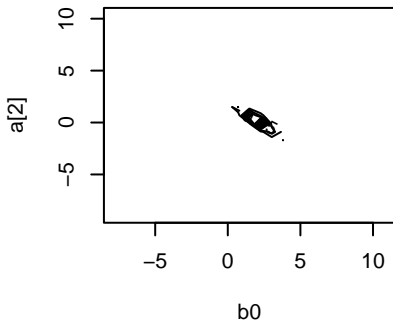
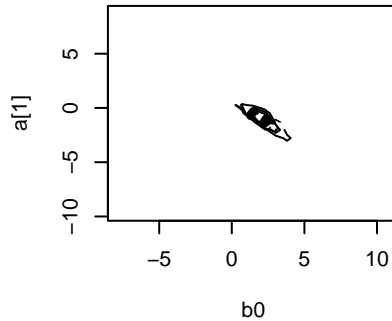
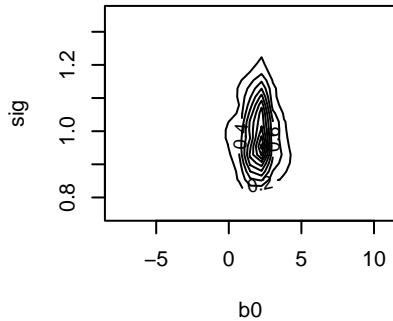
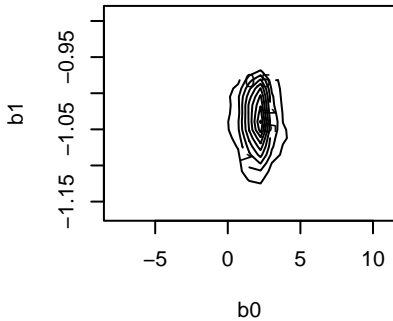


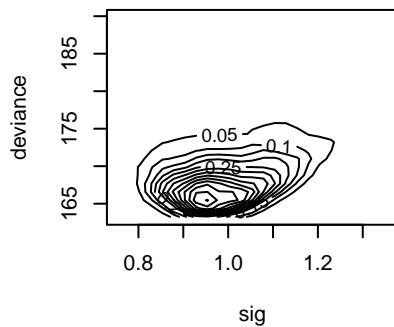
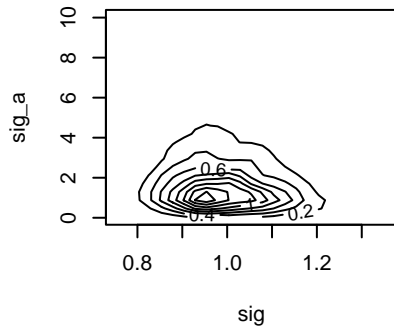
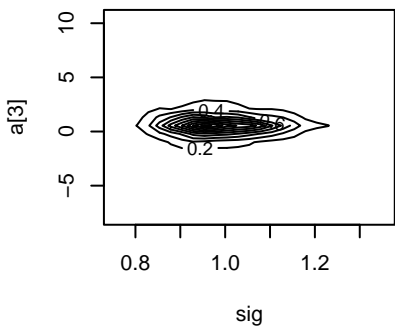
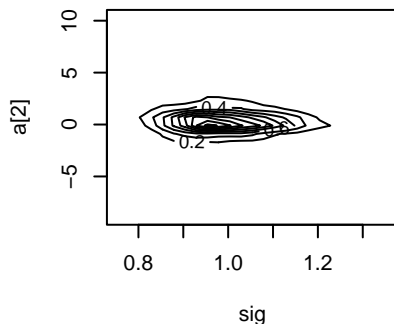
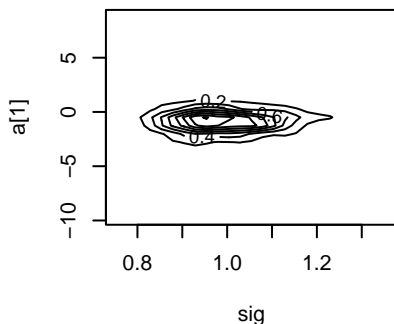
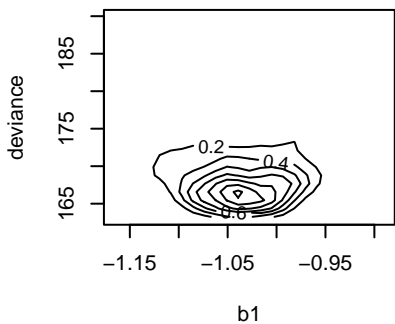
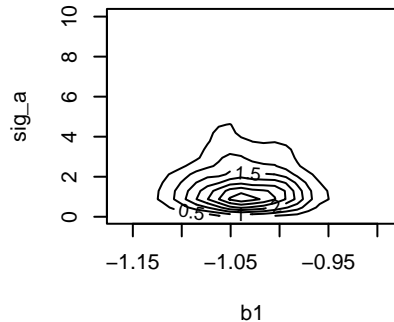
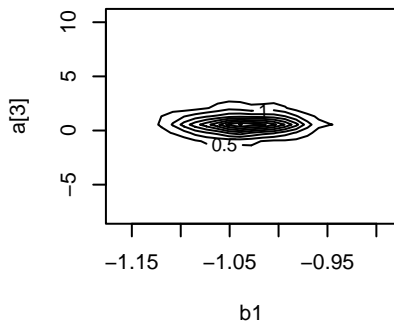
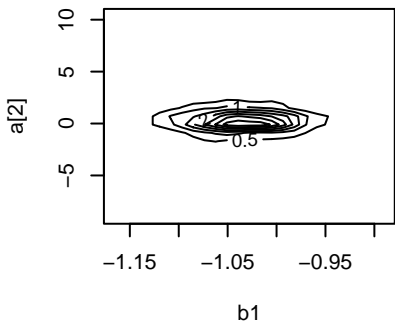


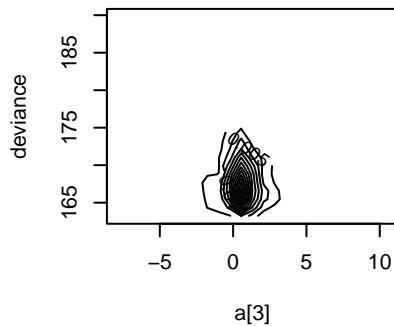
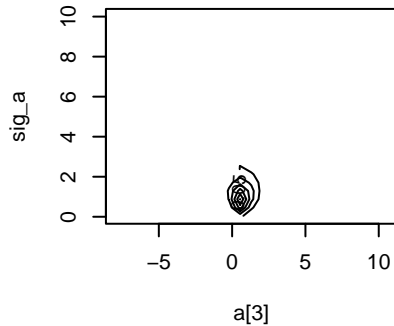
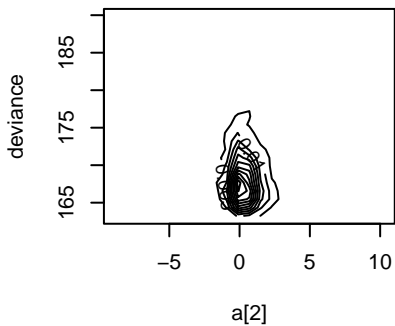
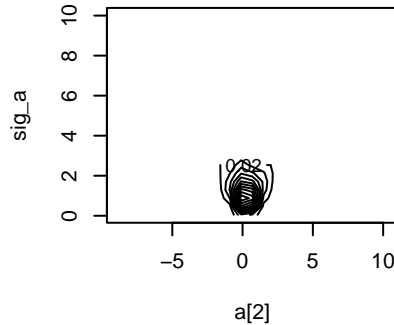
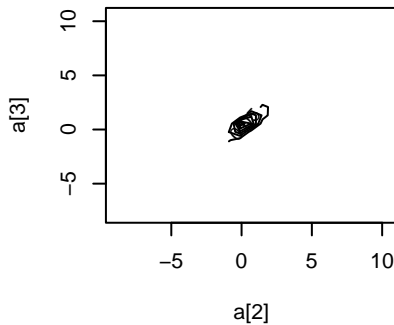
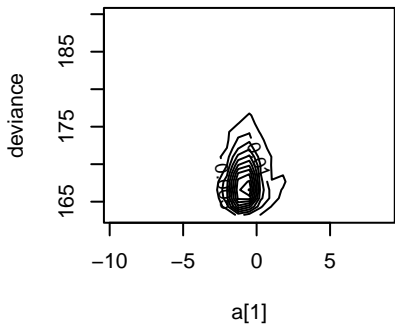
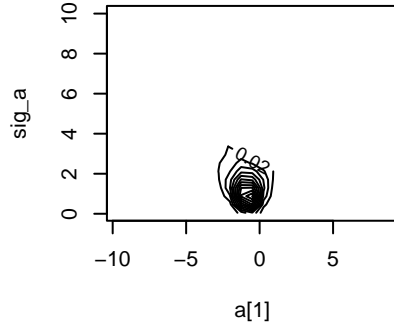
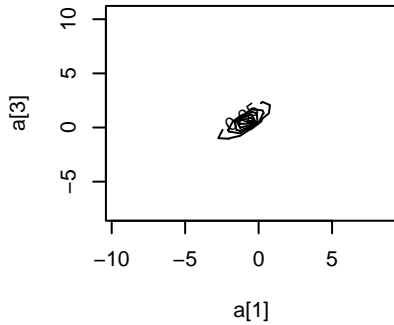
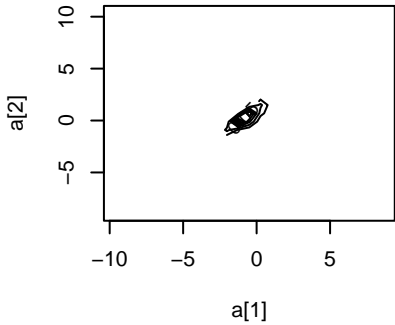


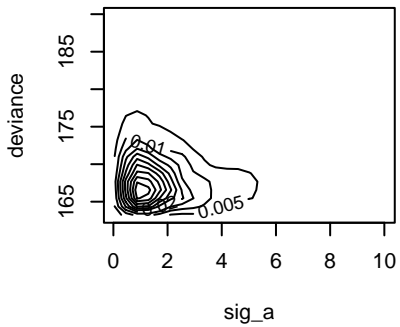


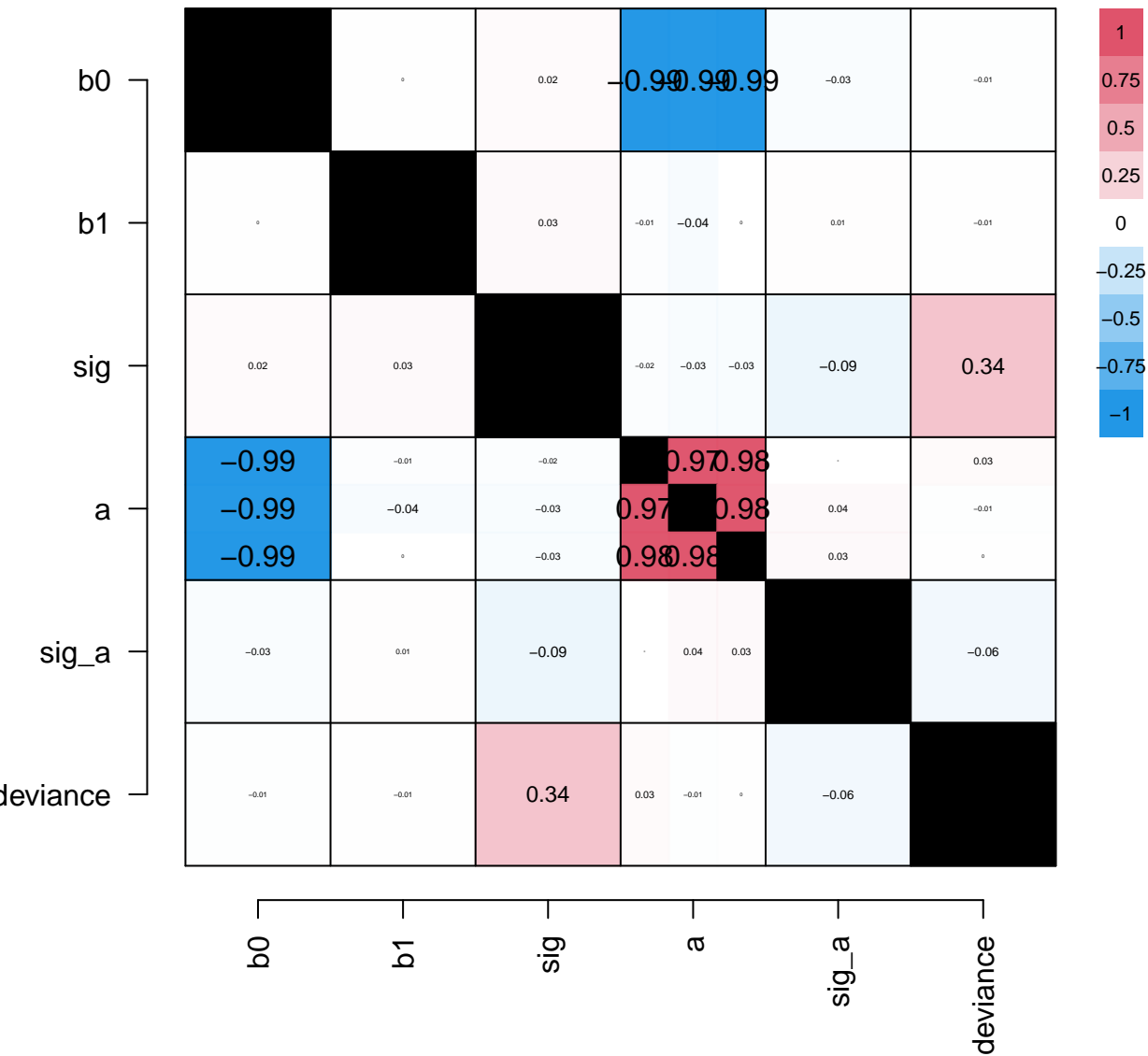


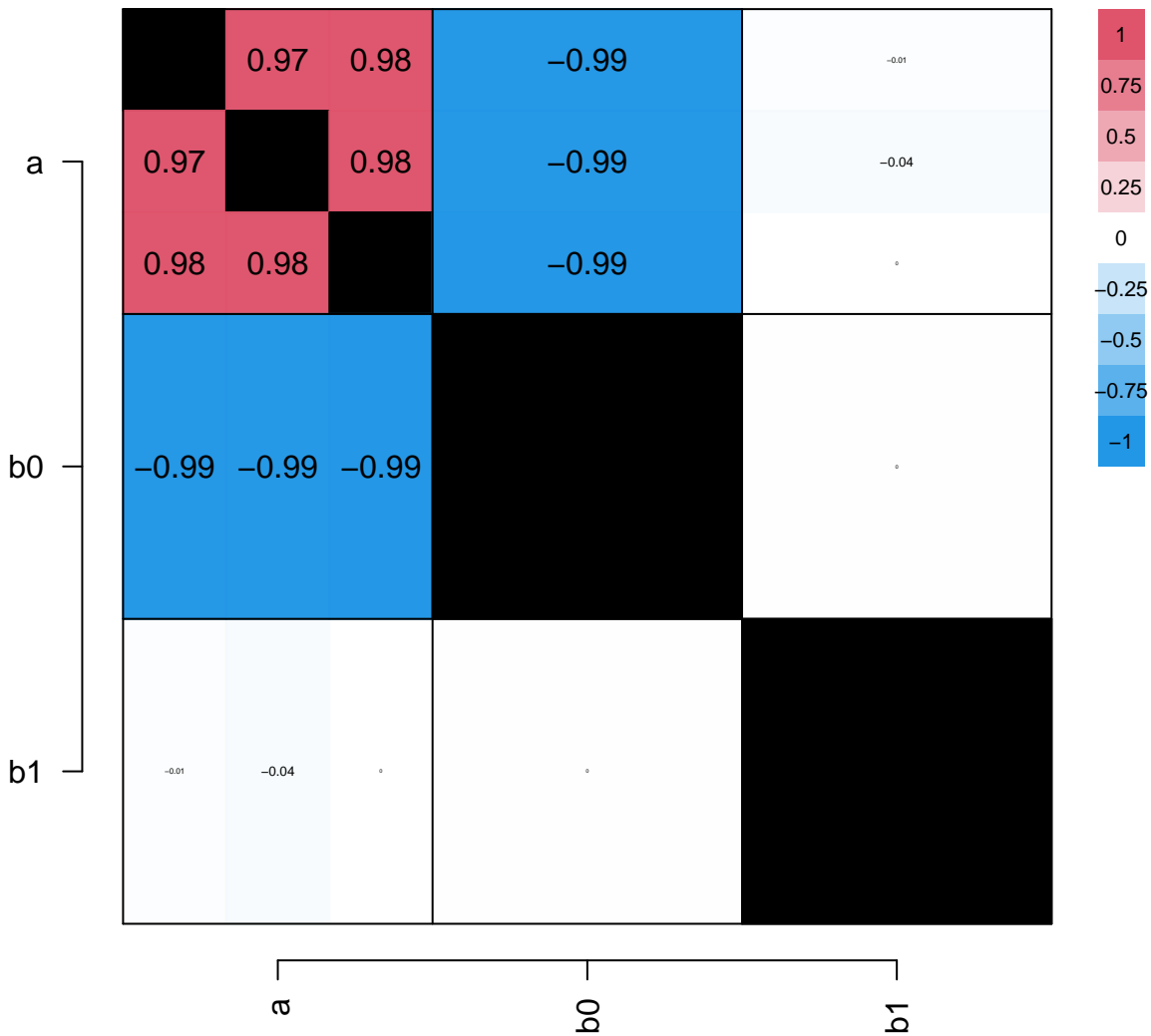


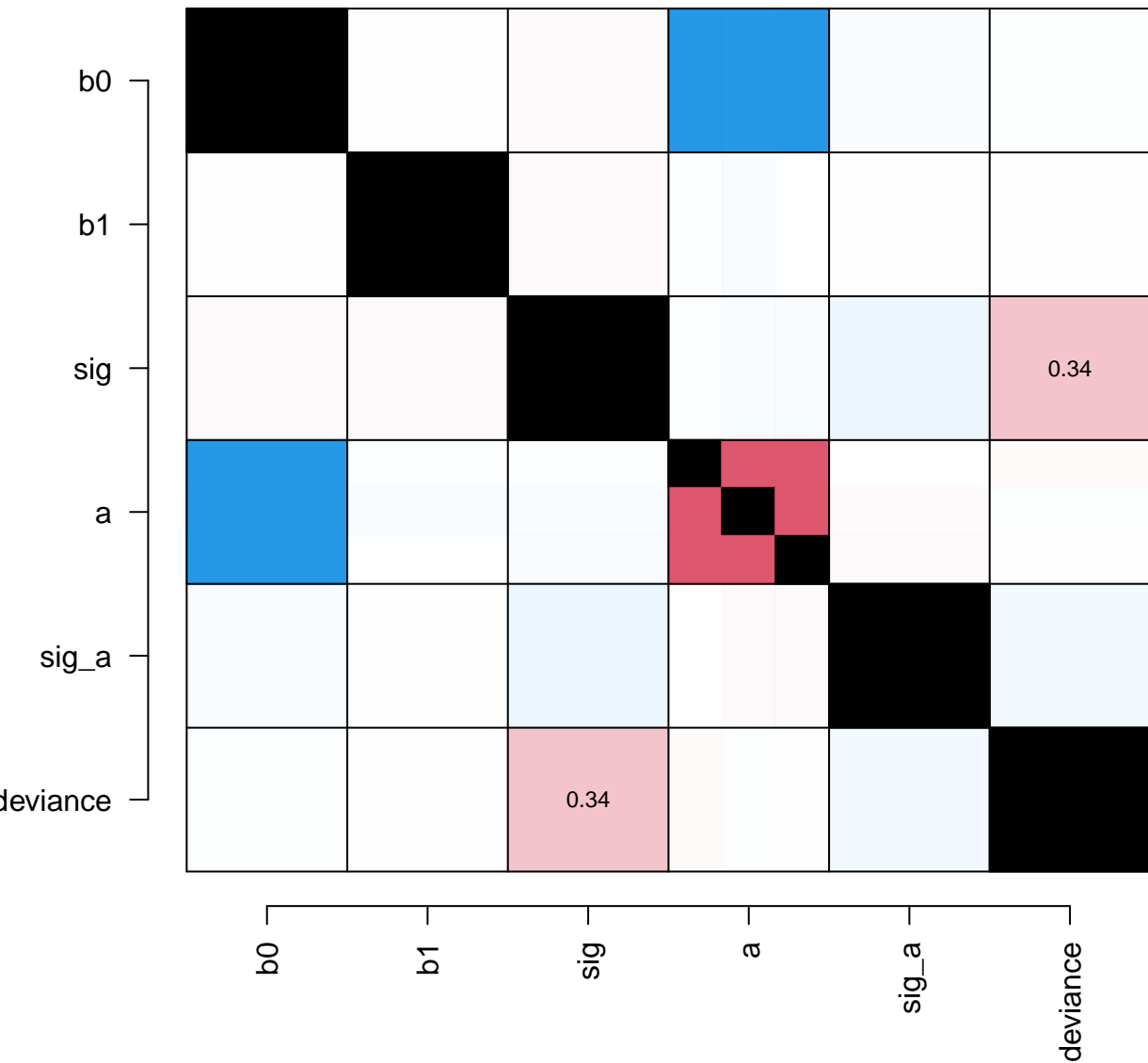




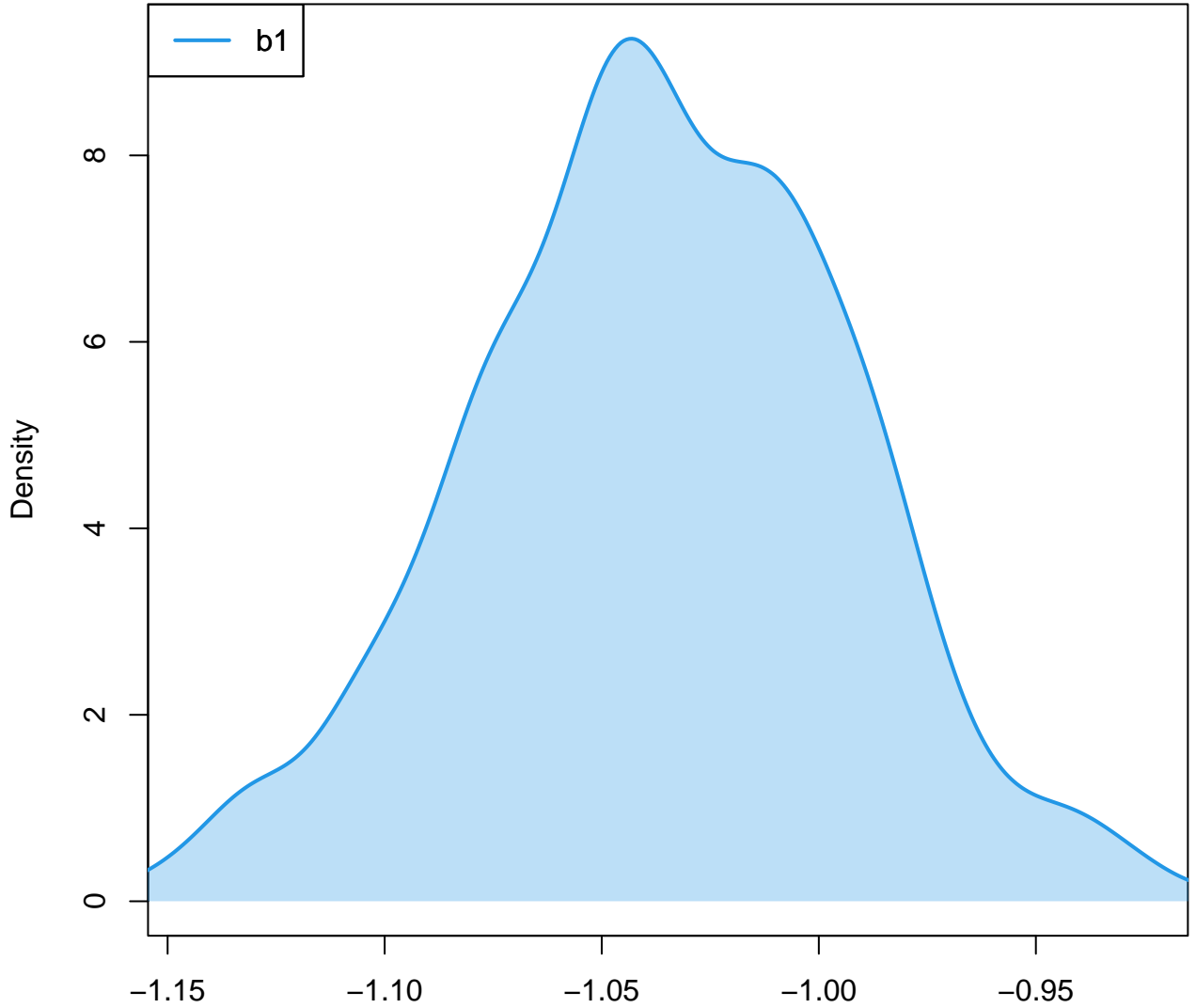




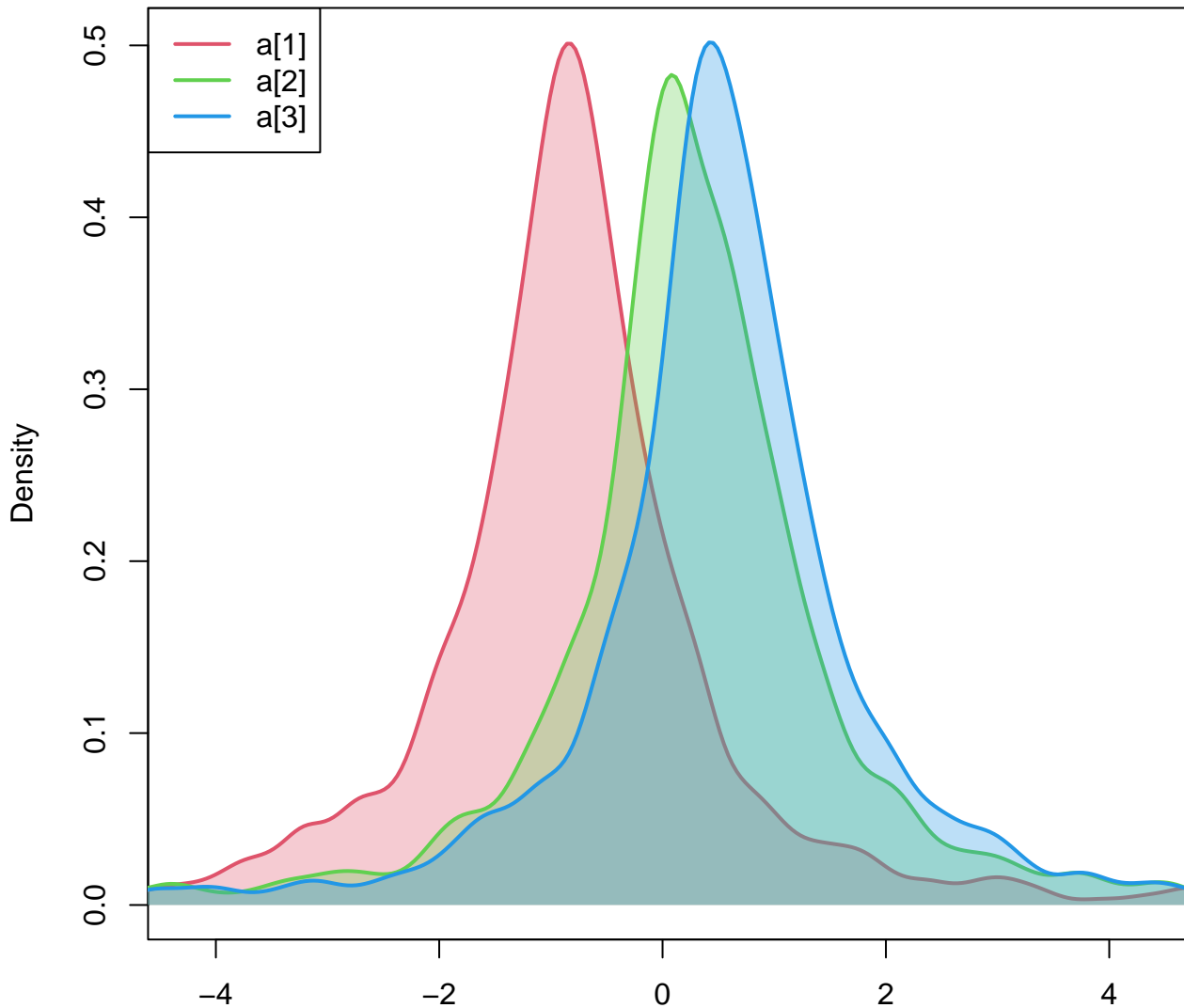


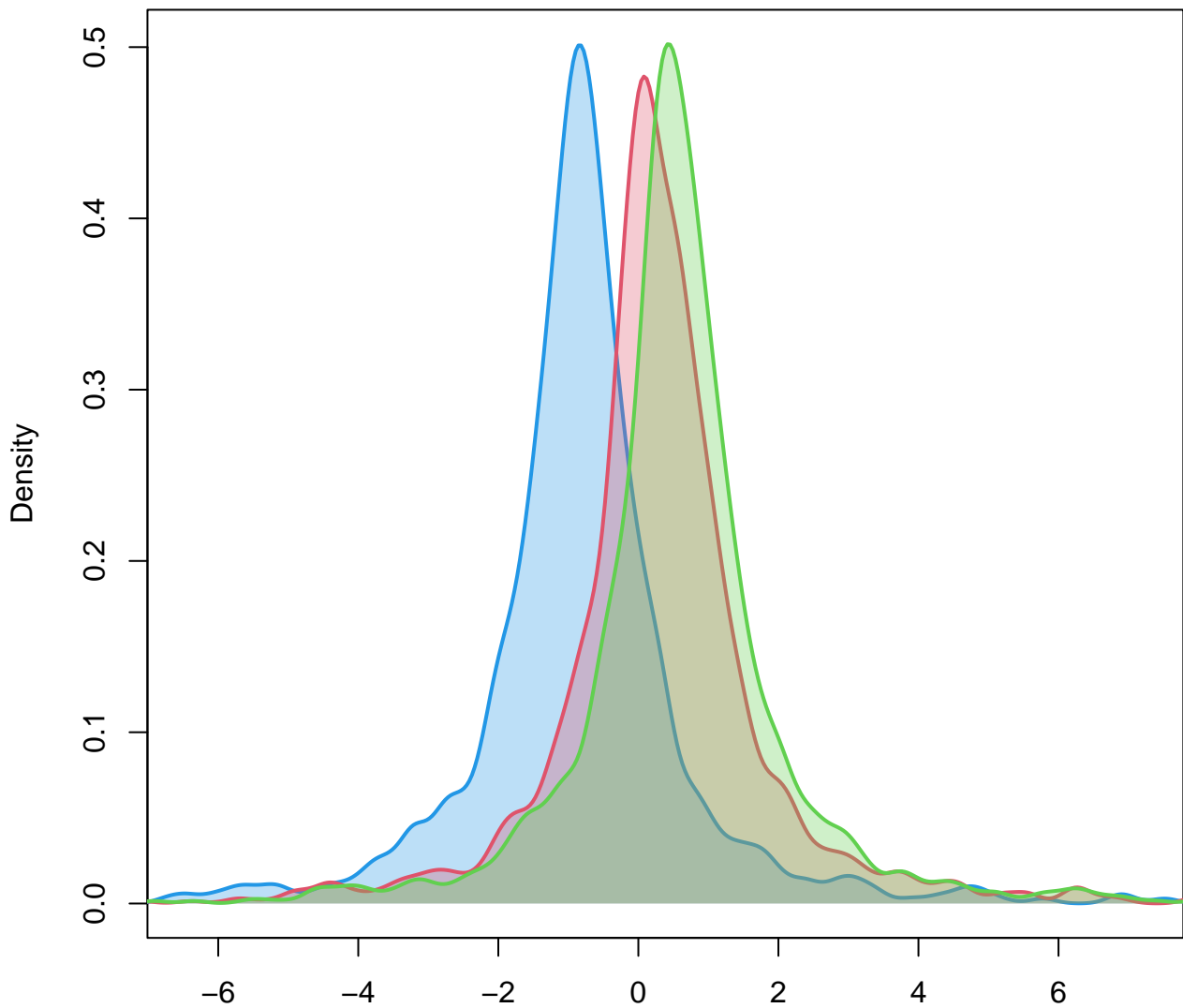


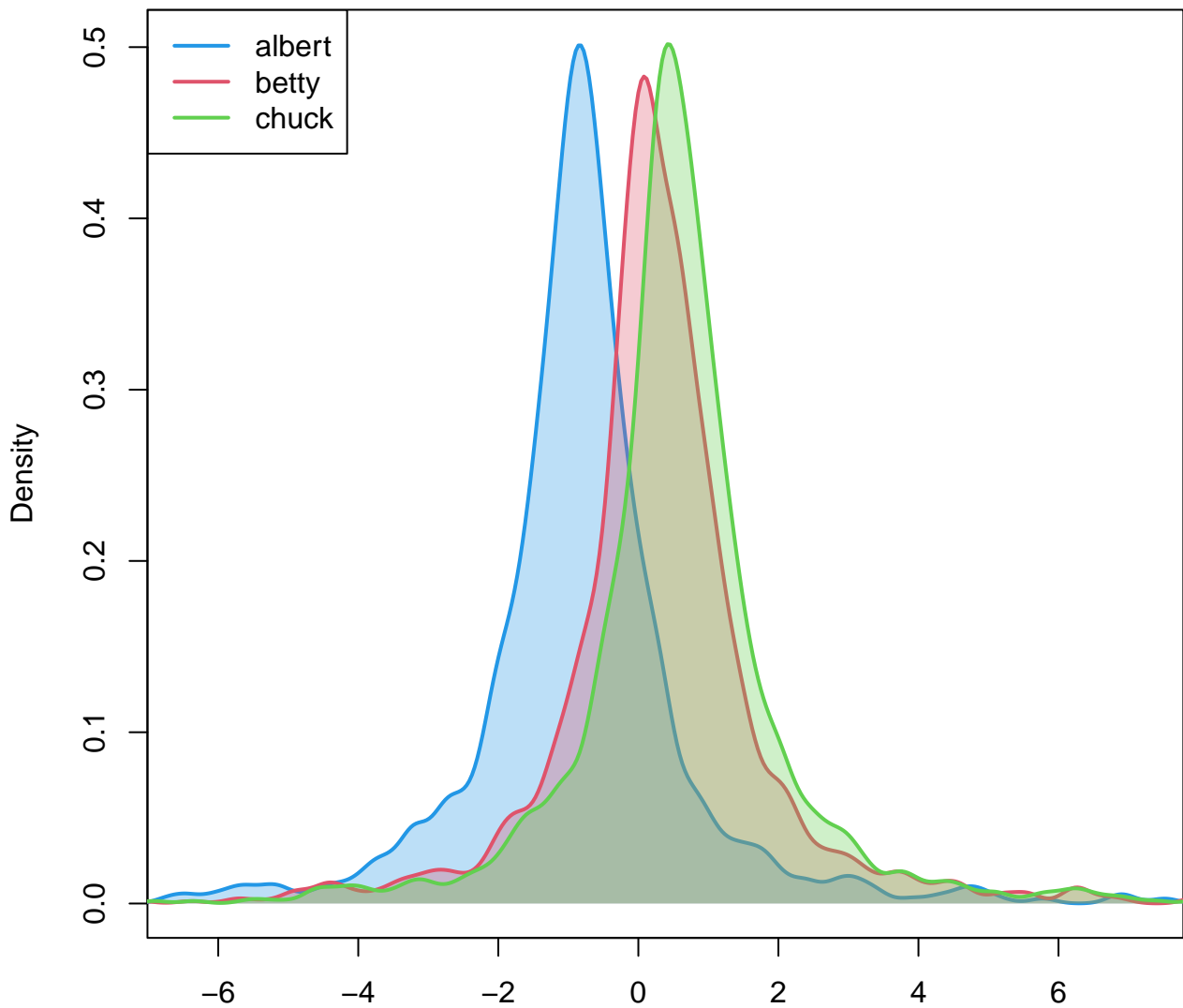
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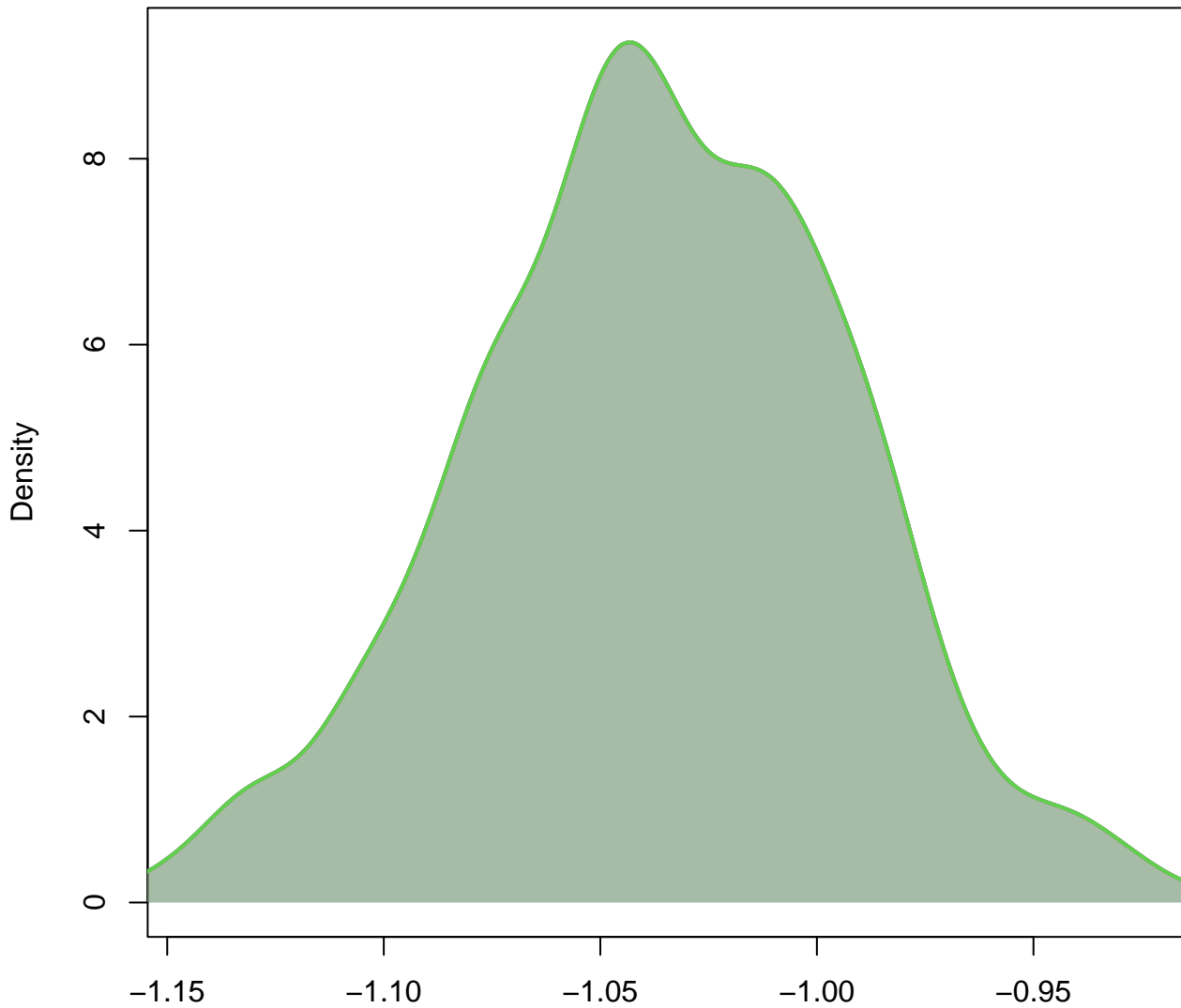
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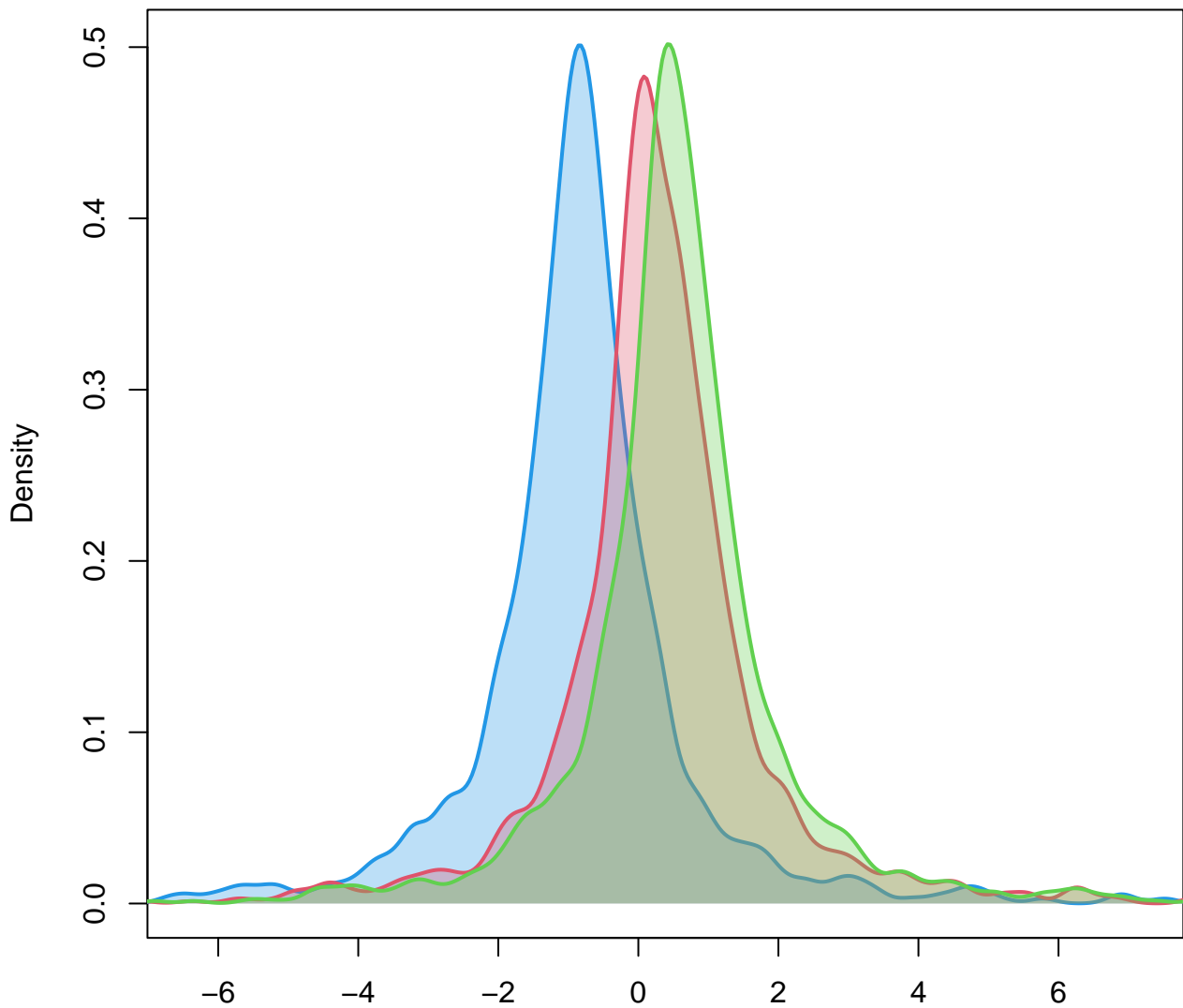


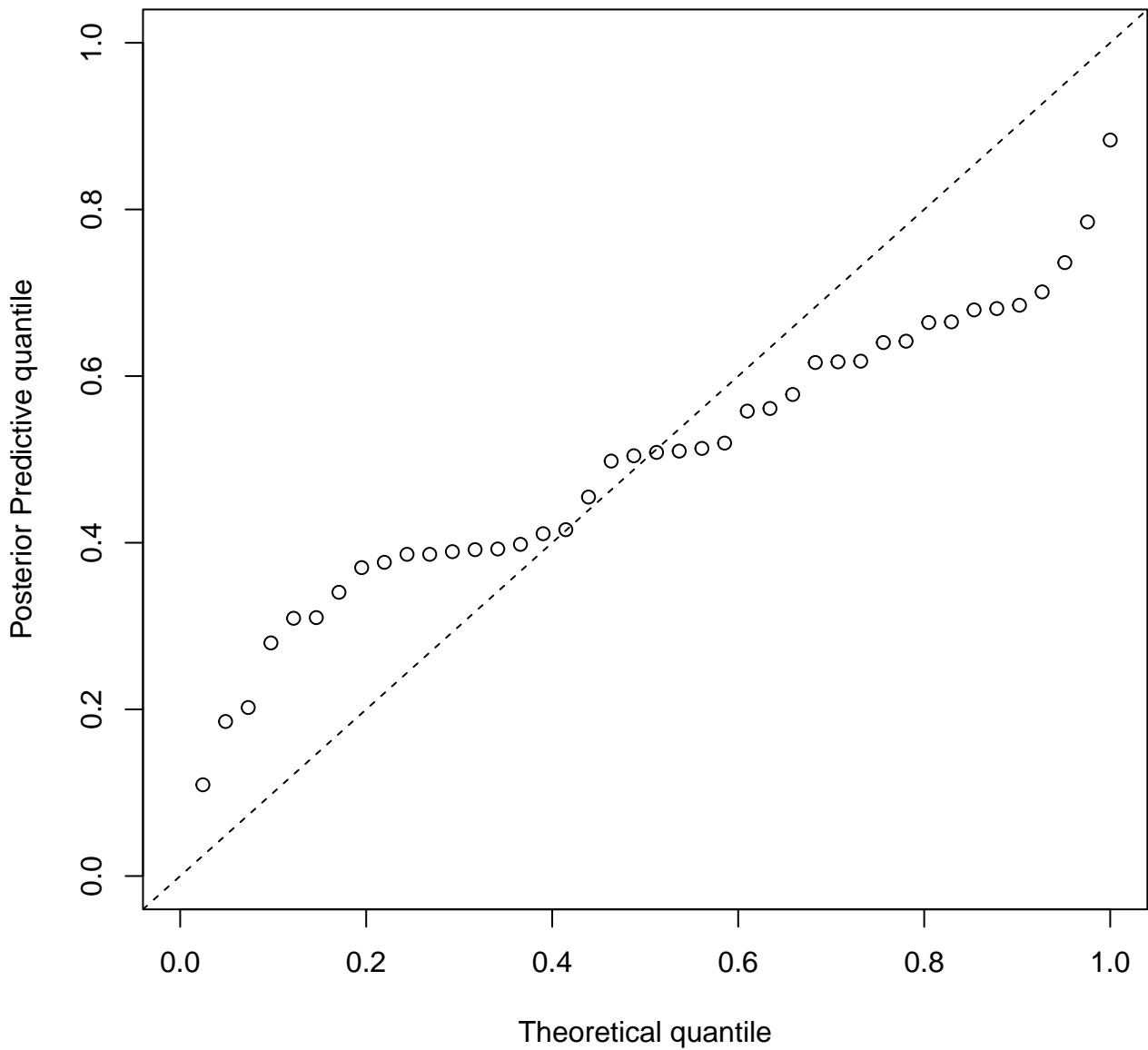


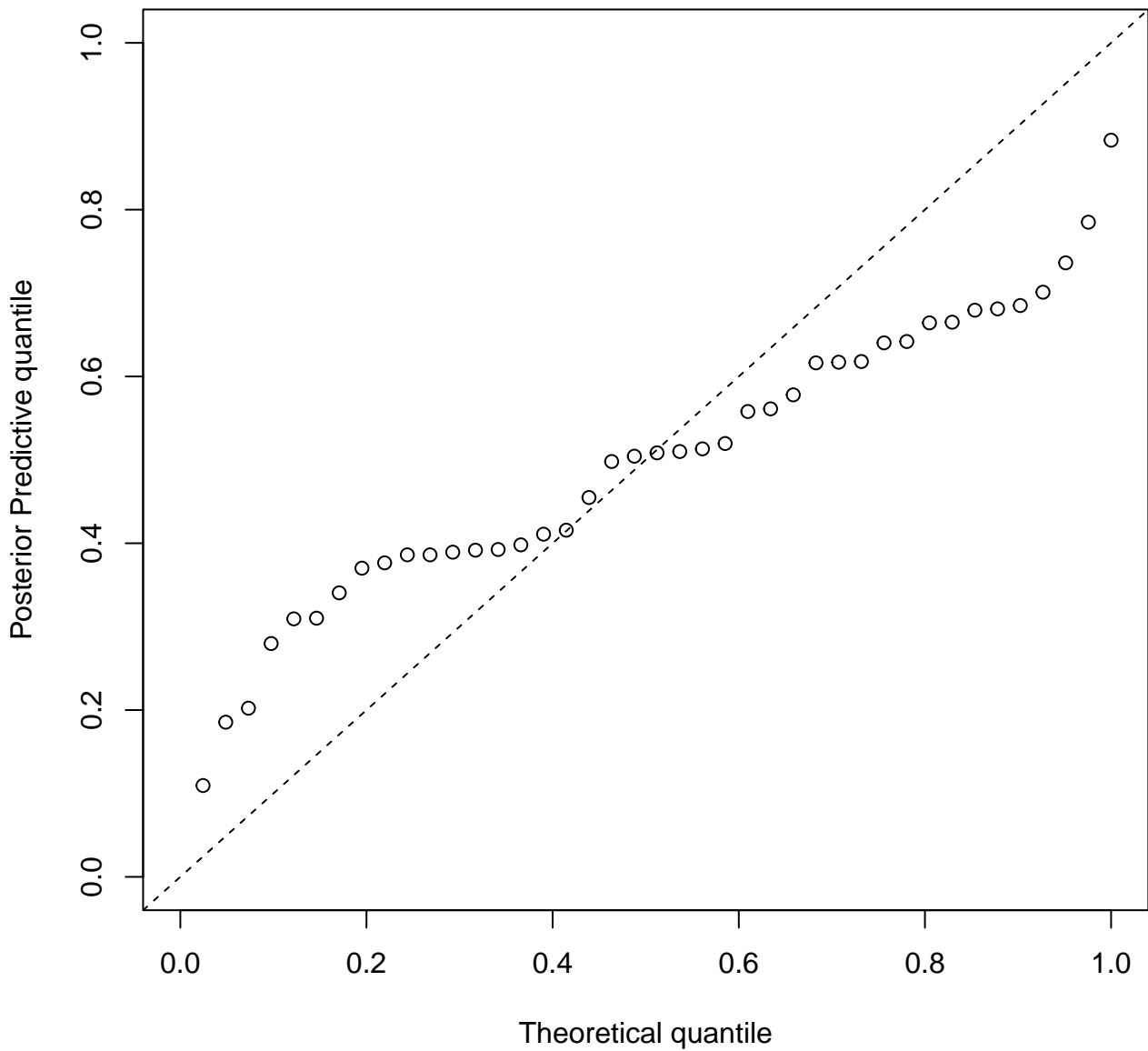


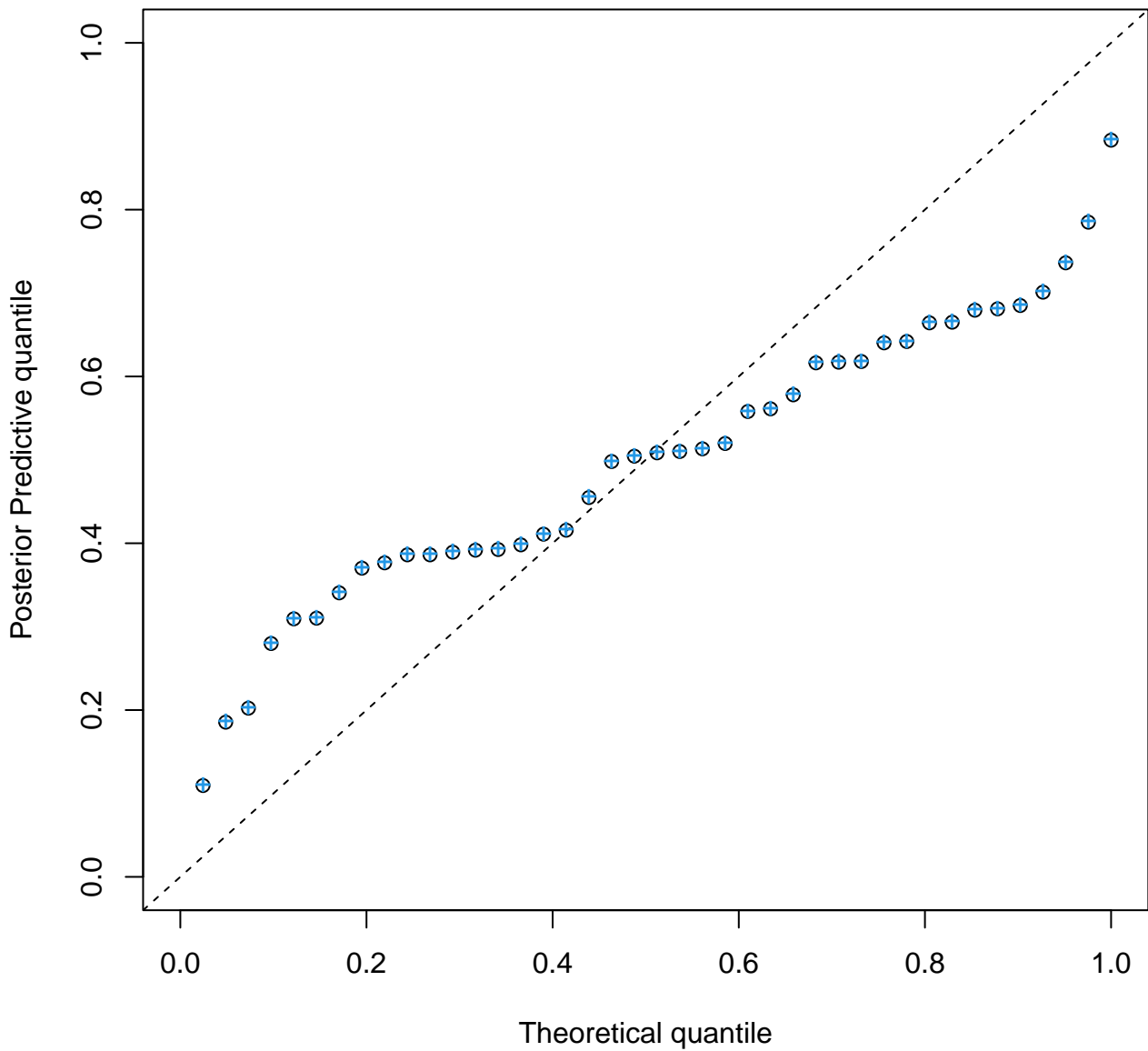
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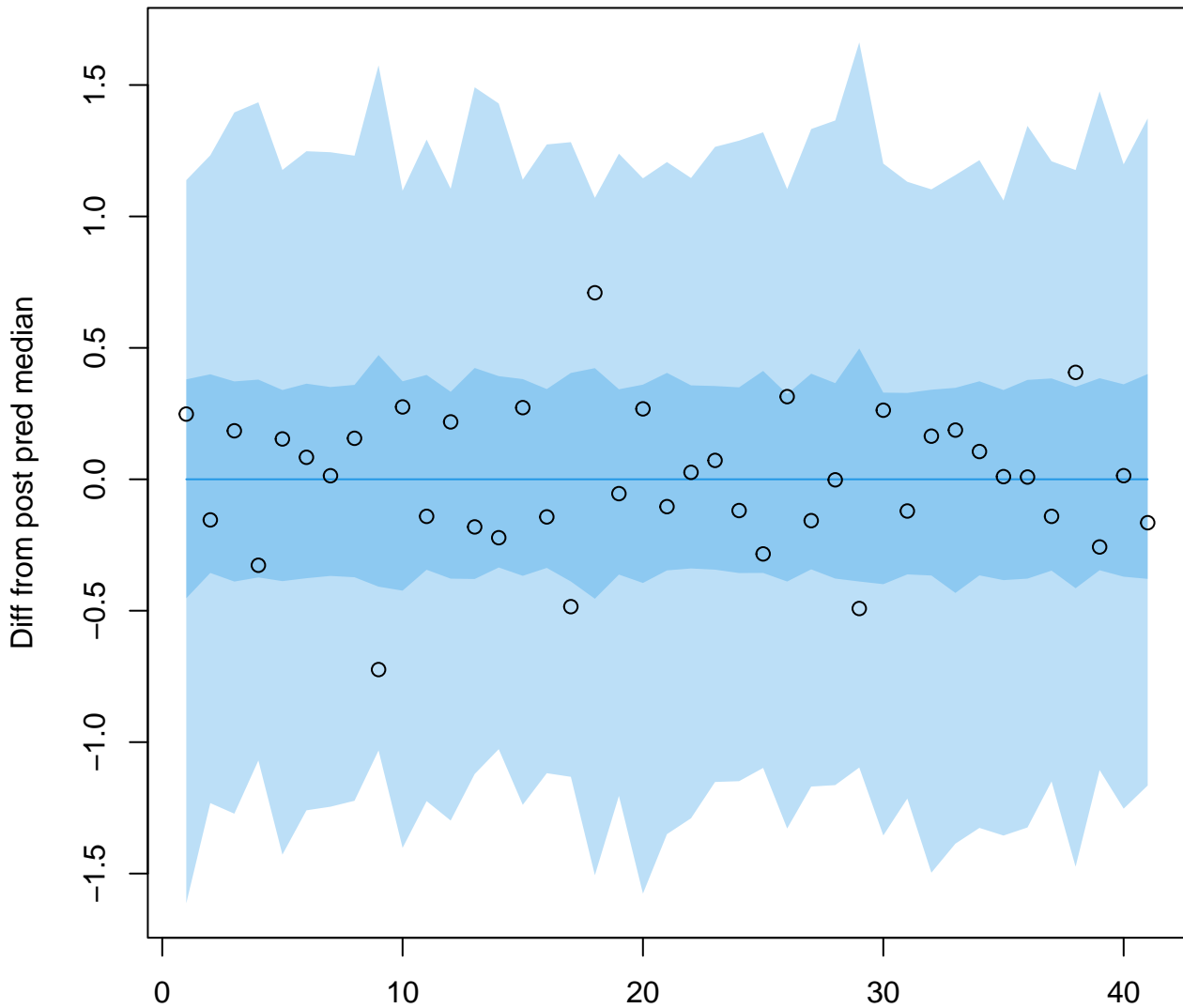


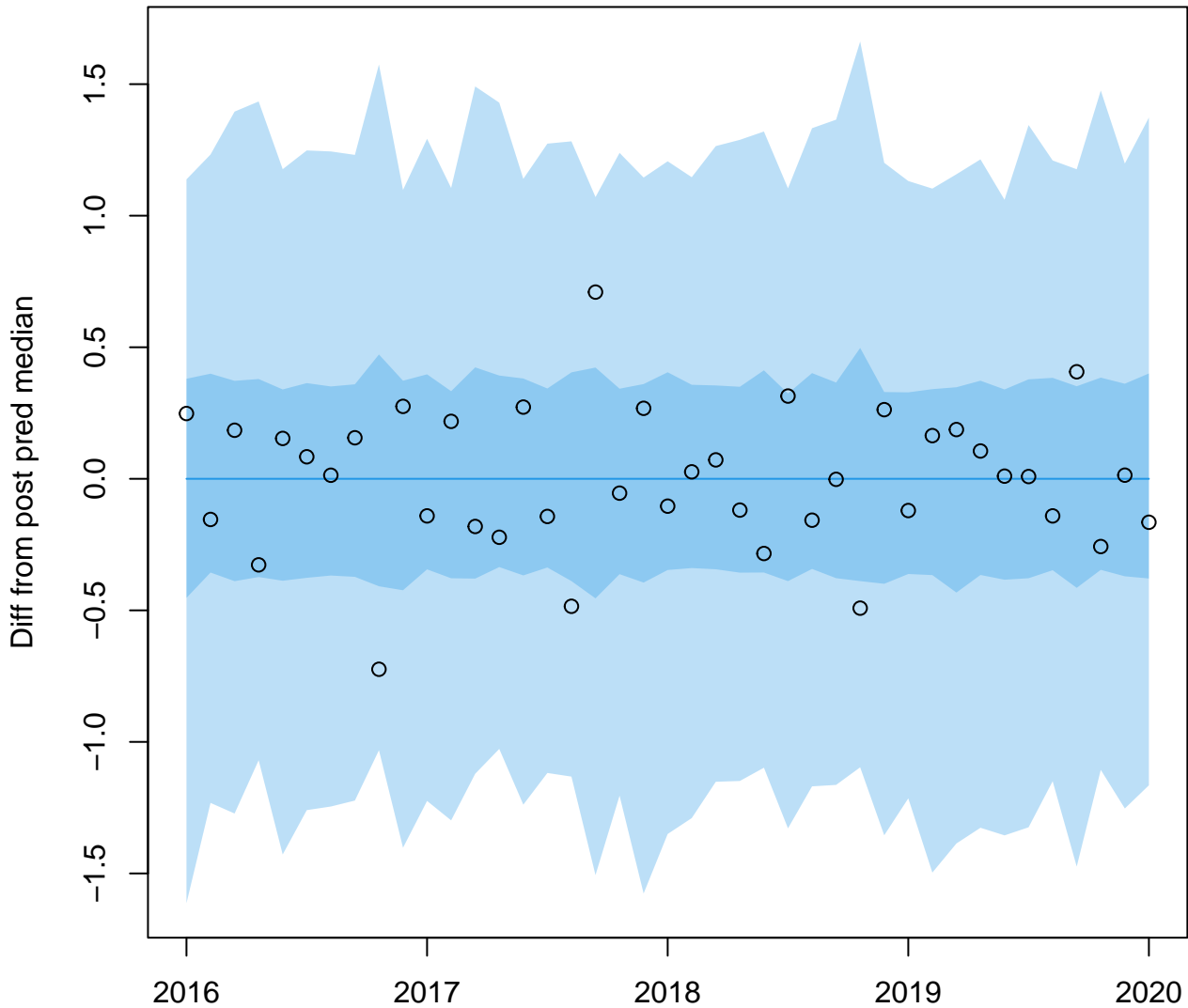


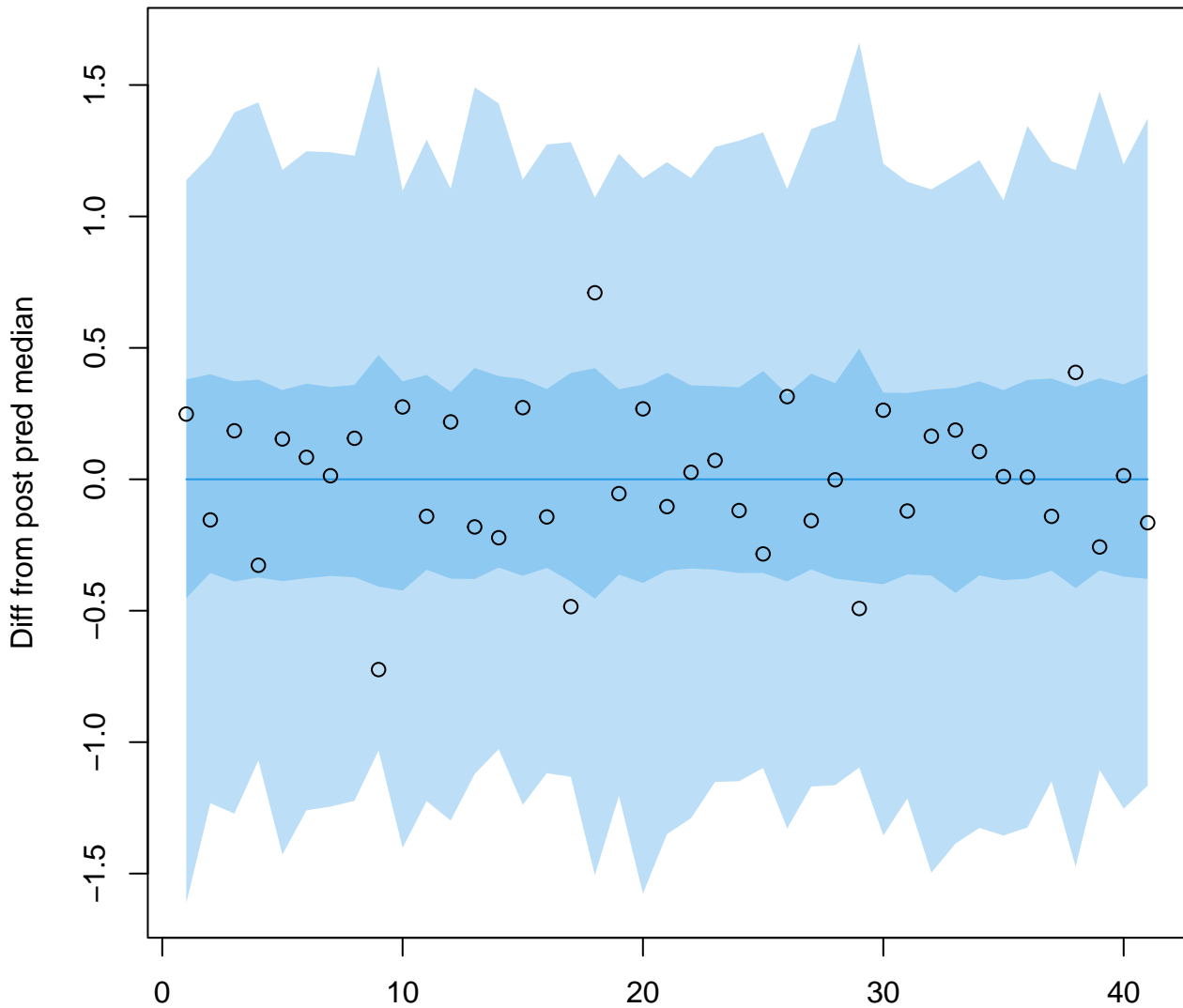


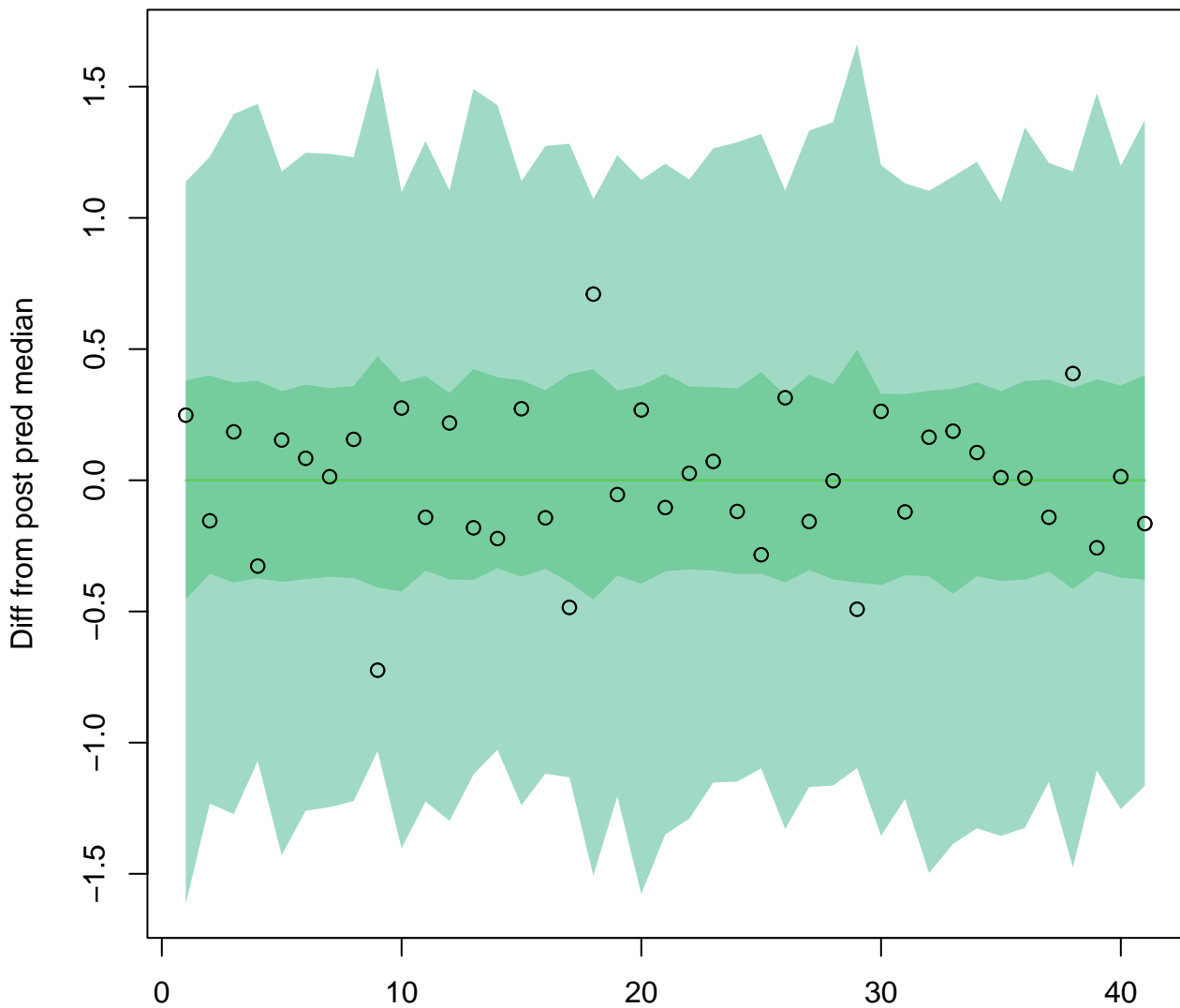




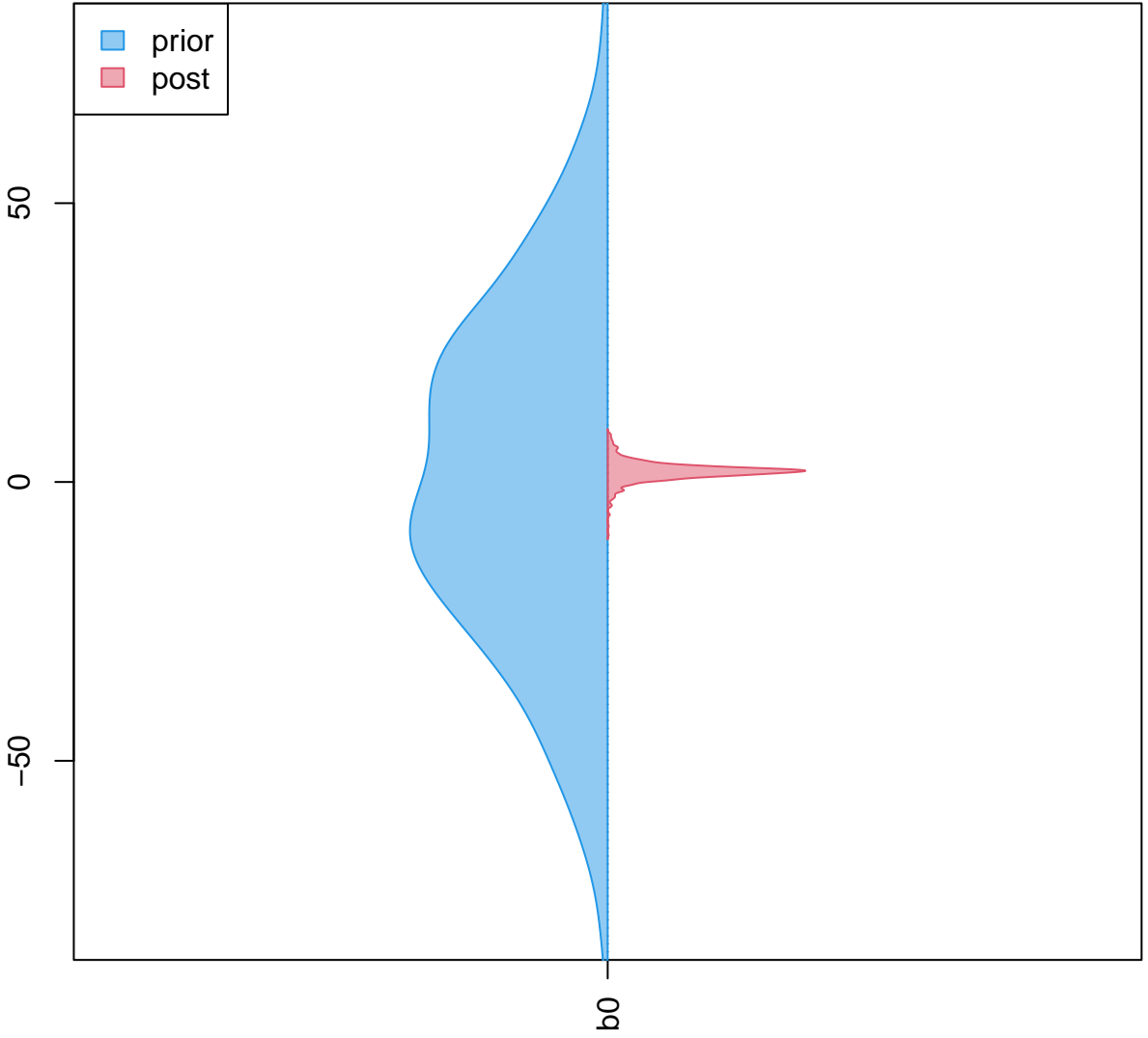




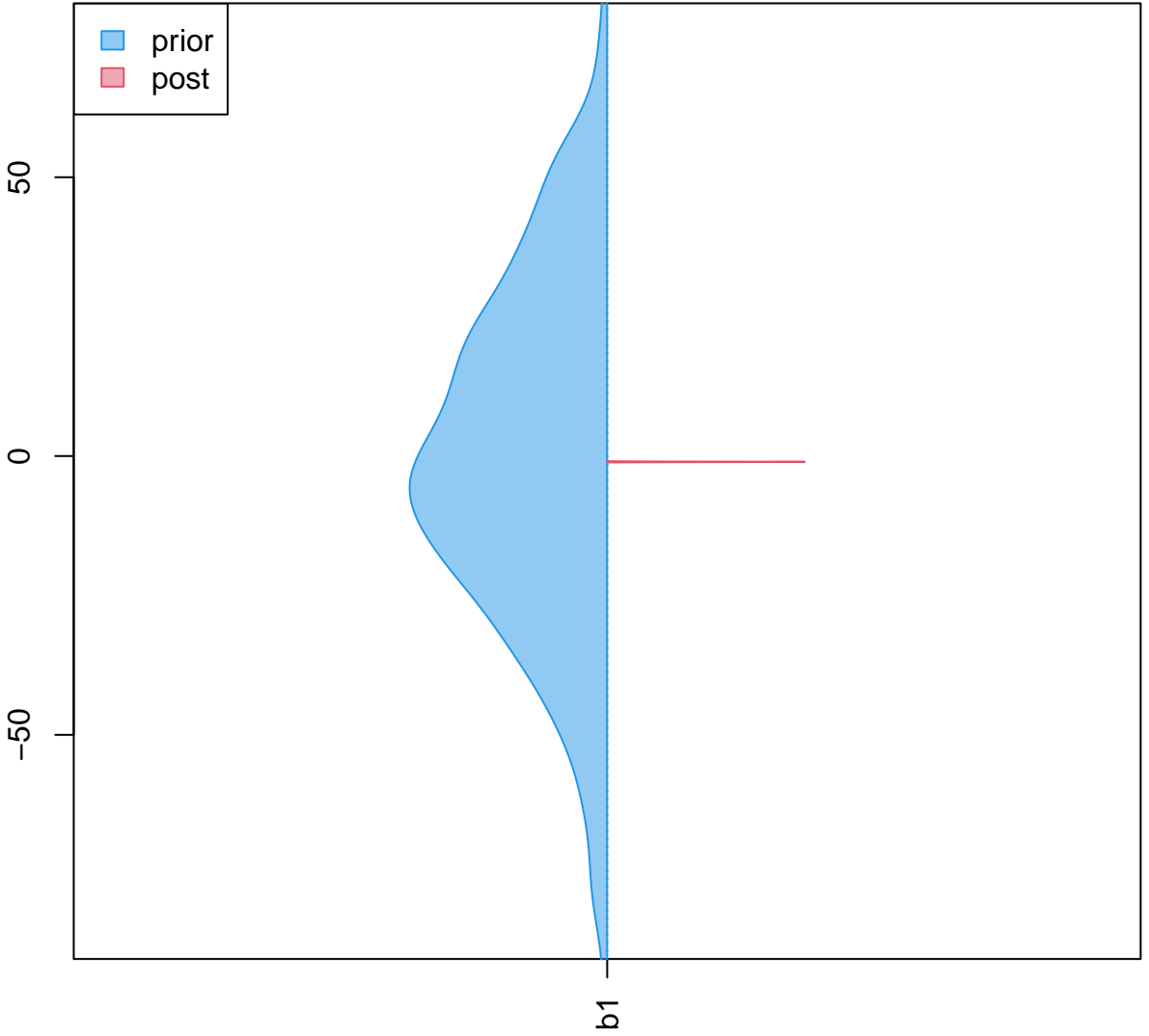




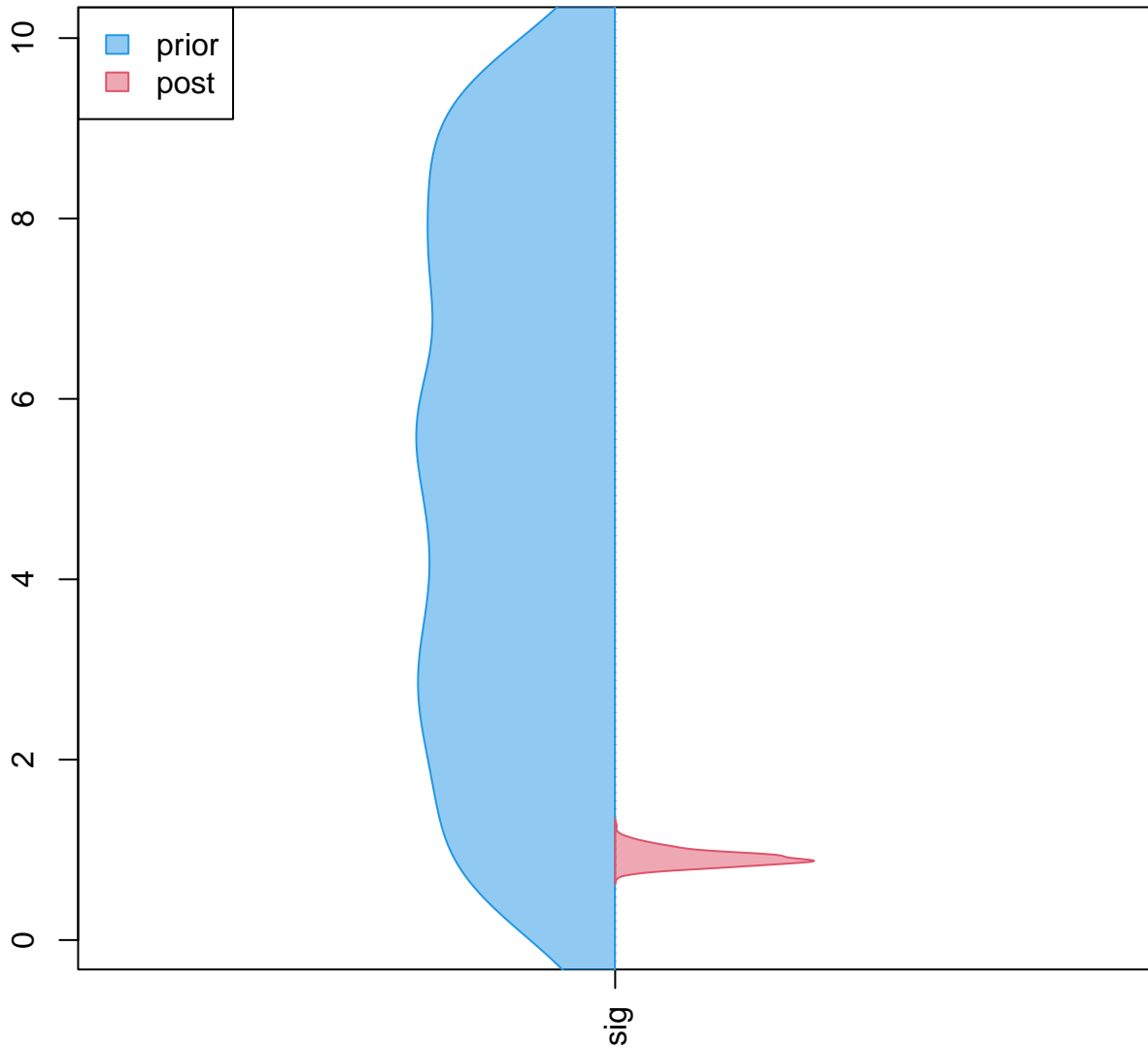
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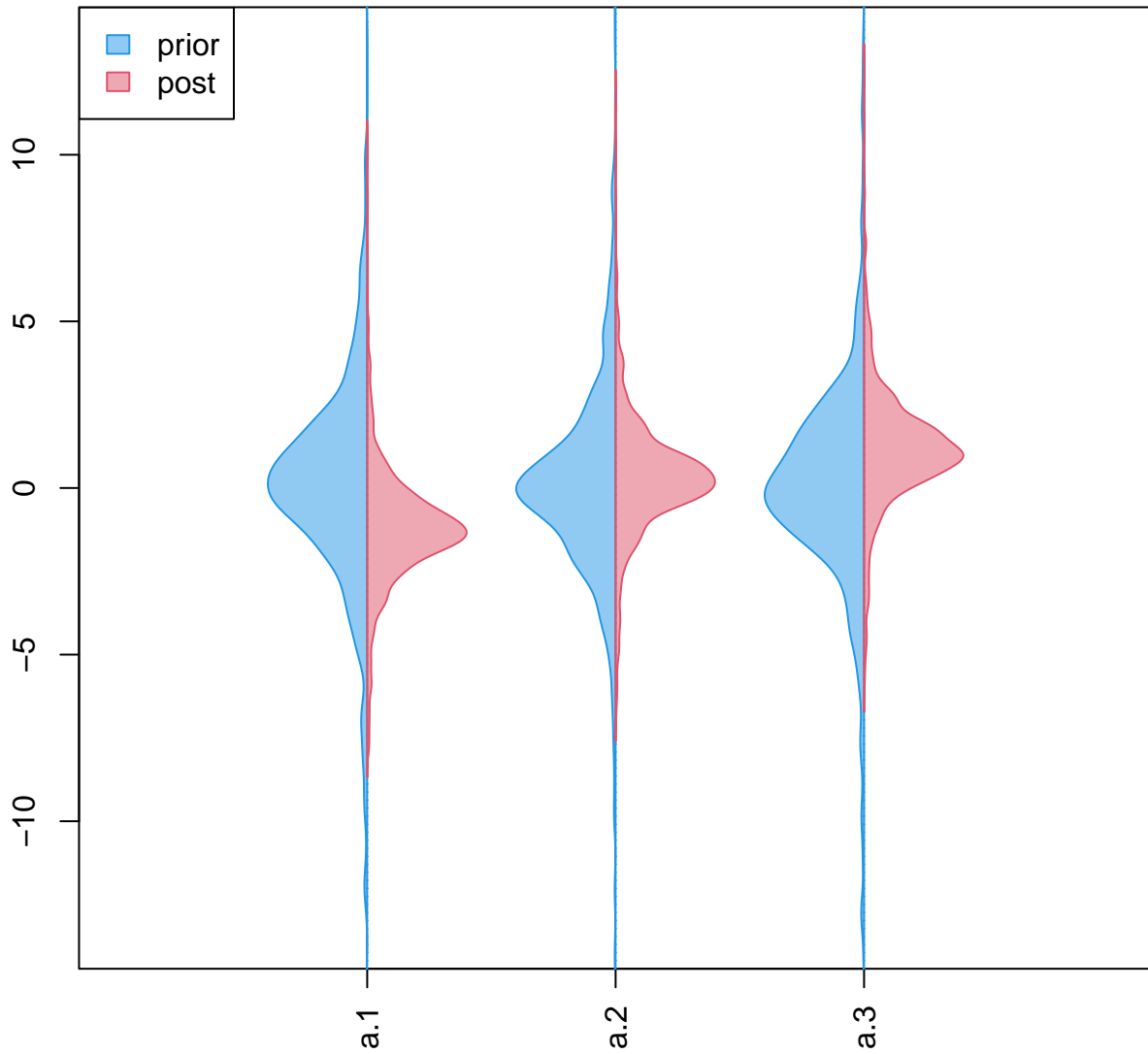
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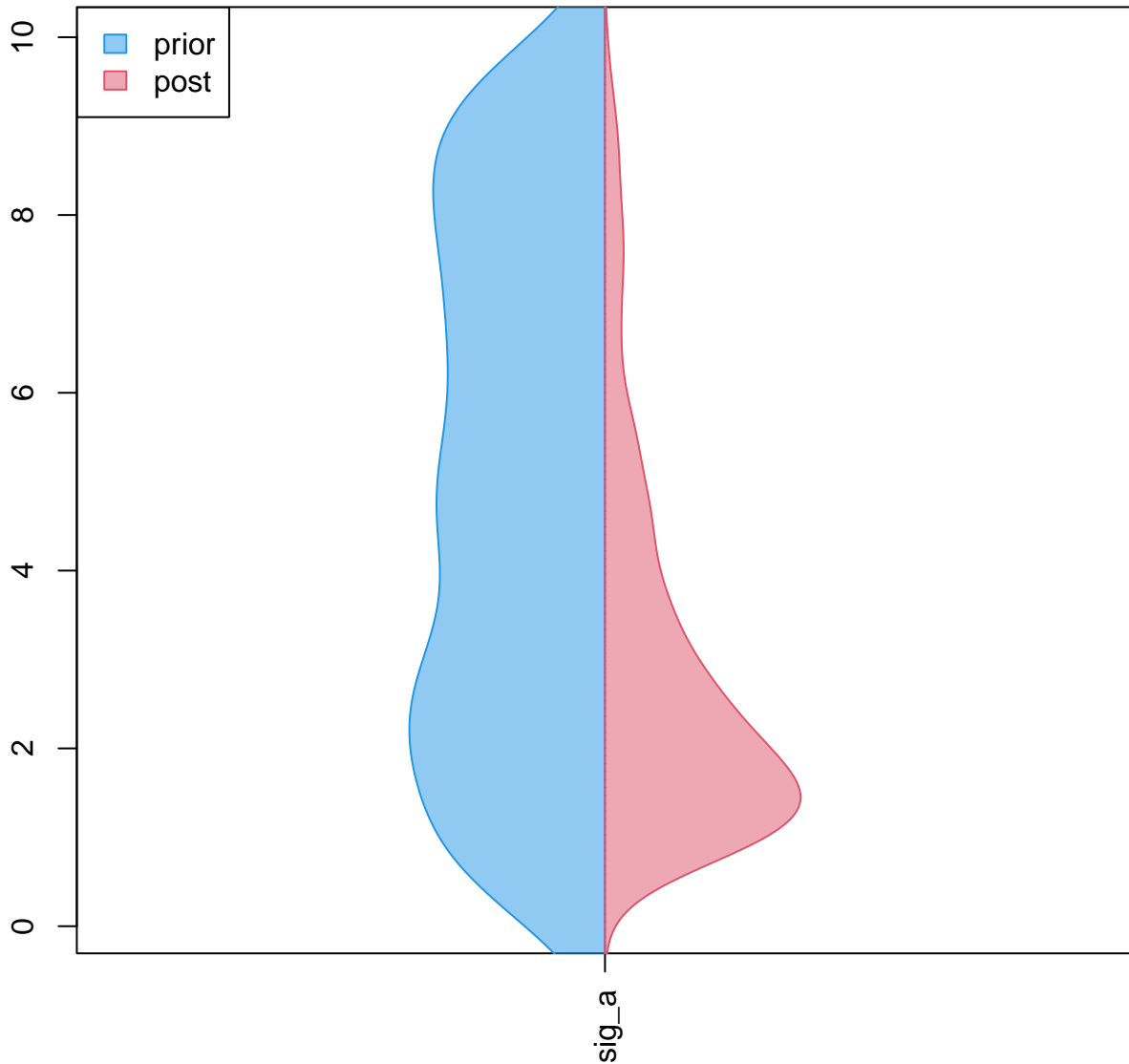
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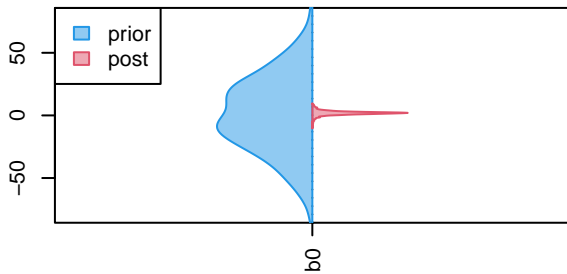
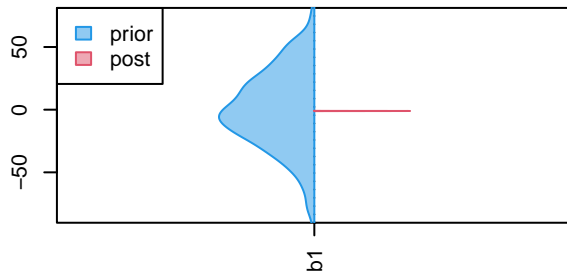
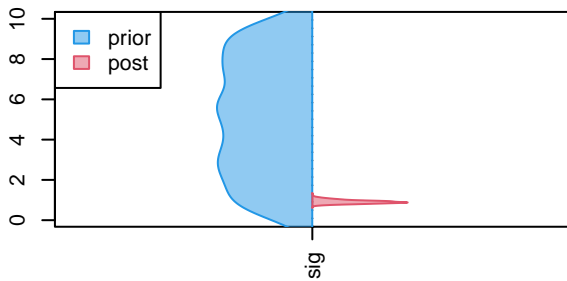
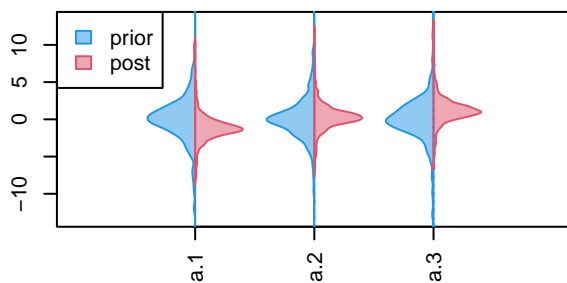
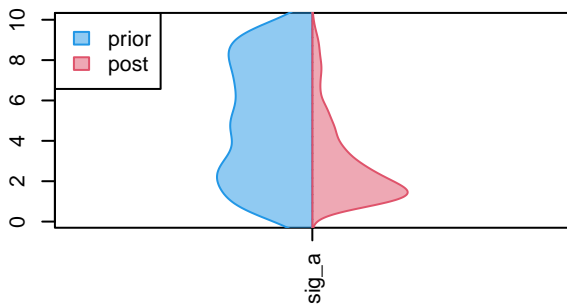


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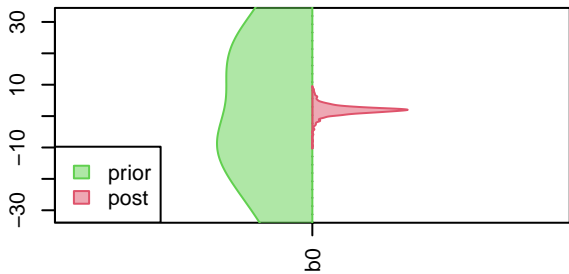


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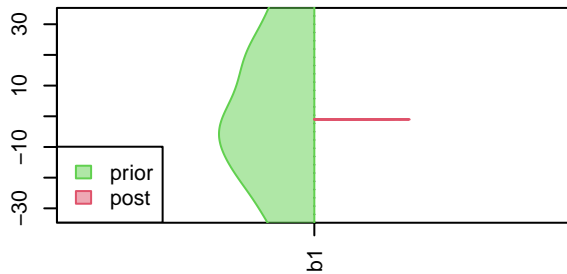


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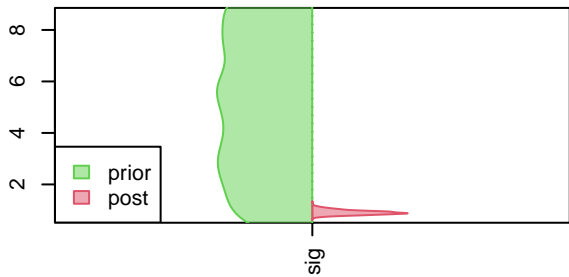
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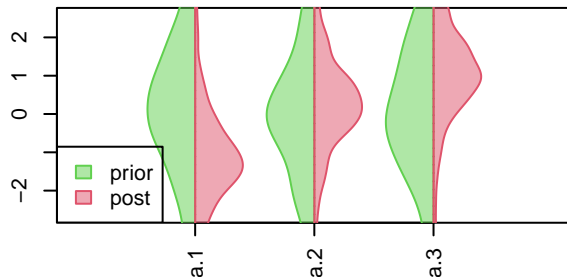
b1



sig



a



sig_a

