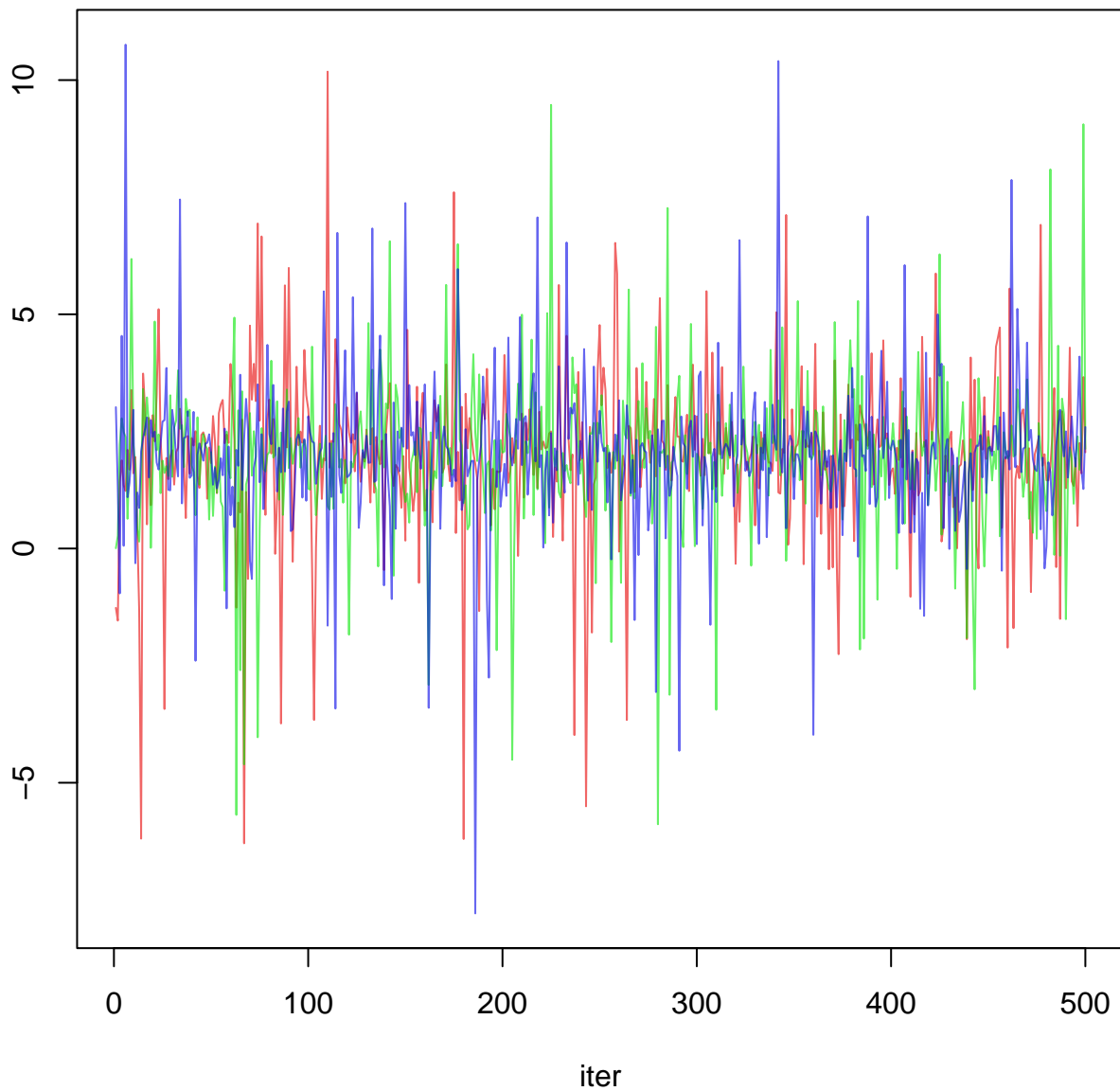
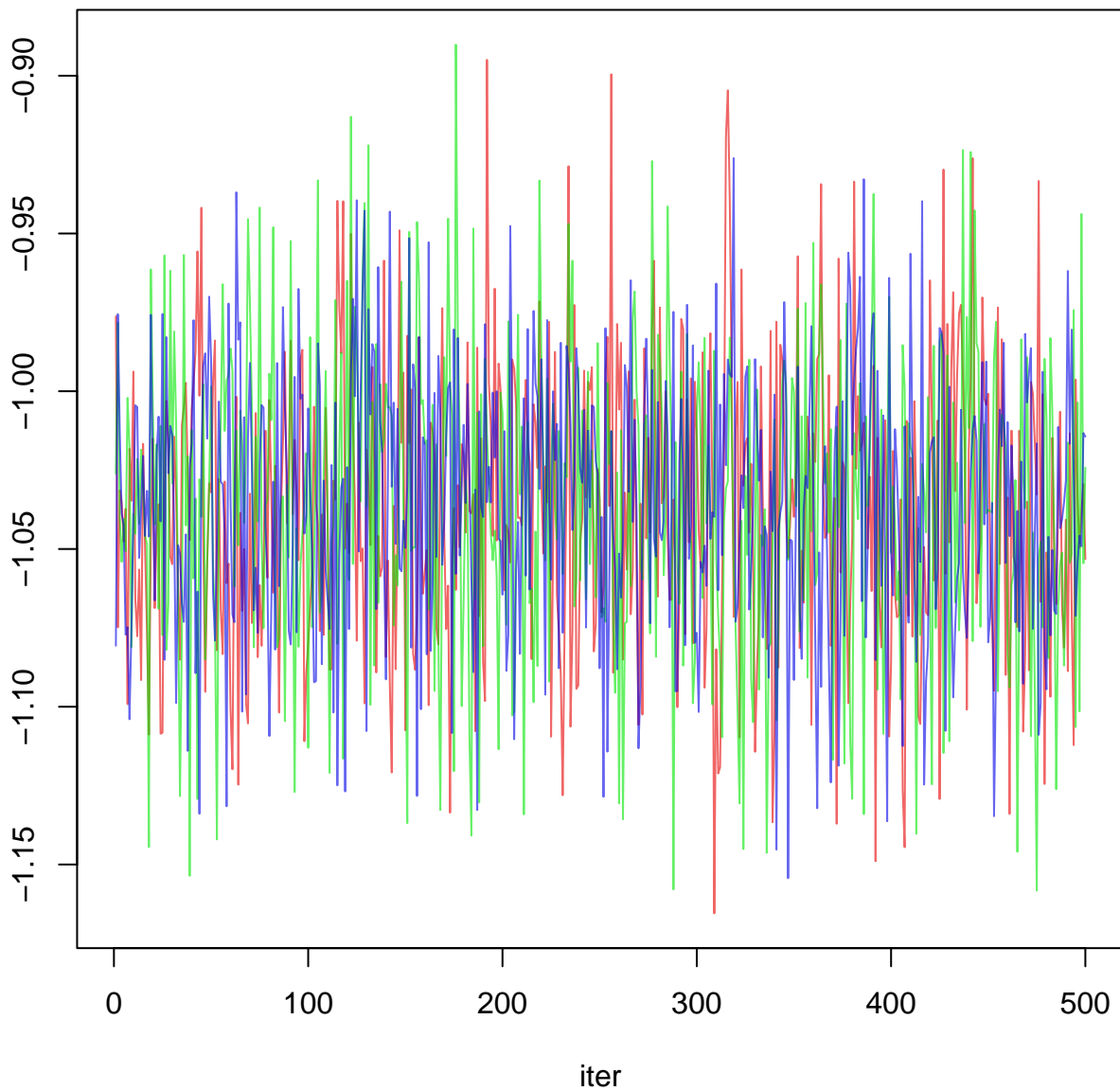


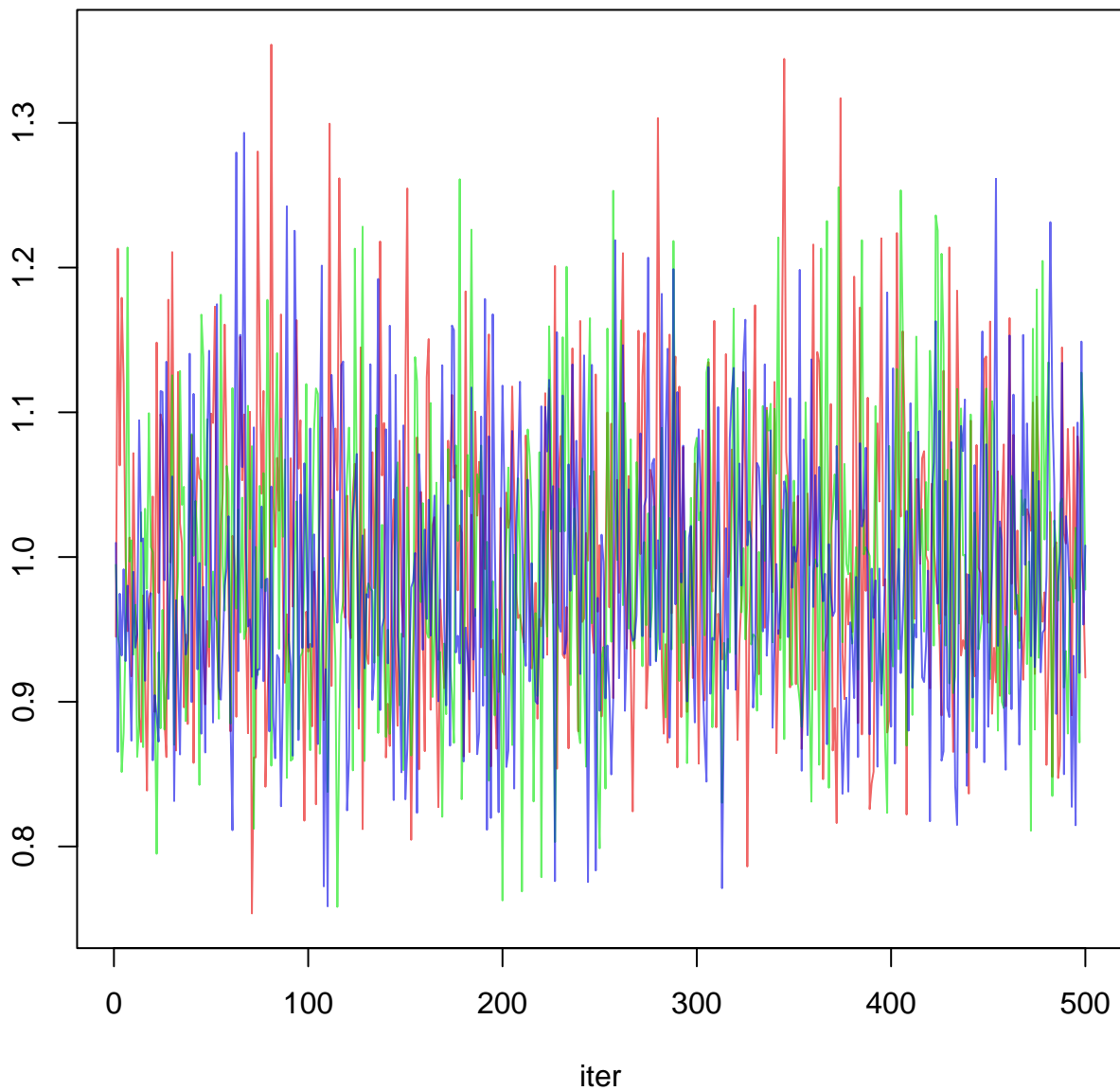
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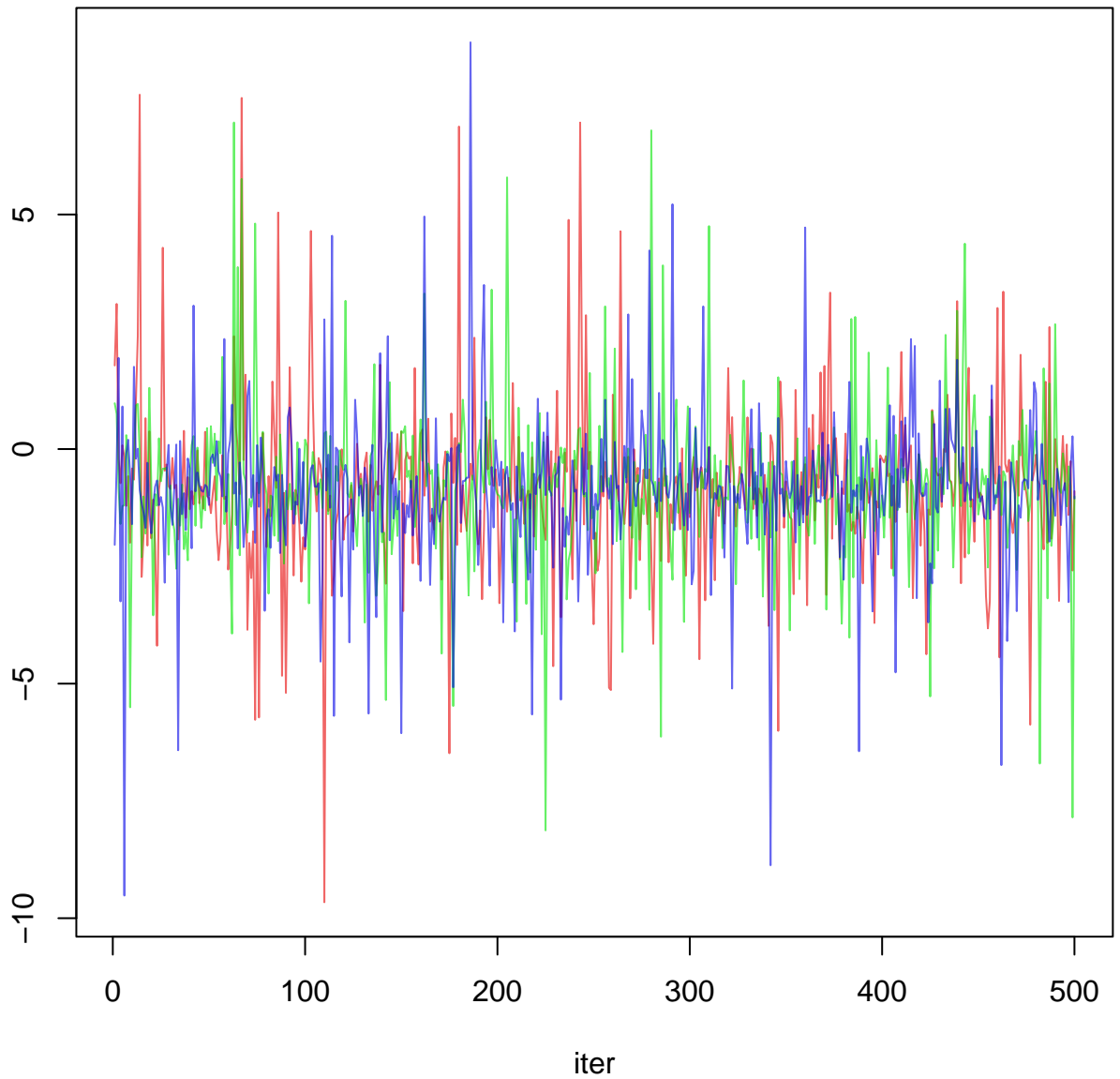
b1



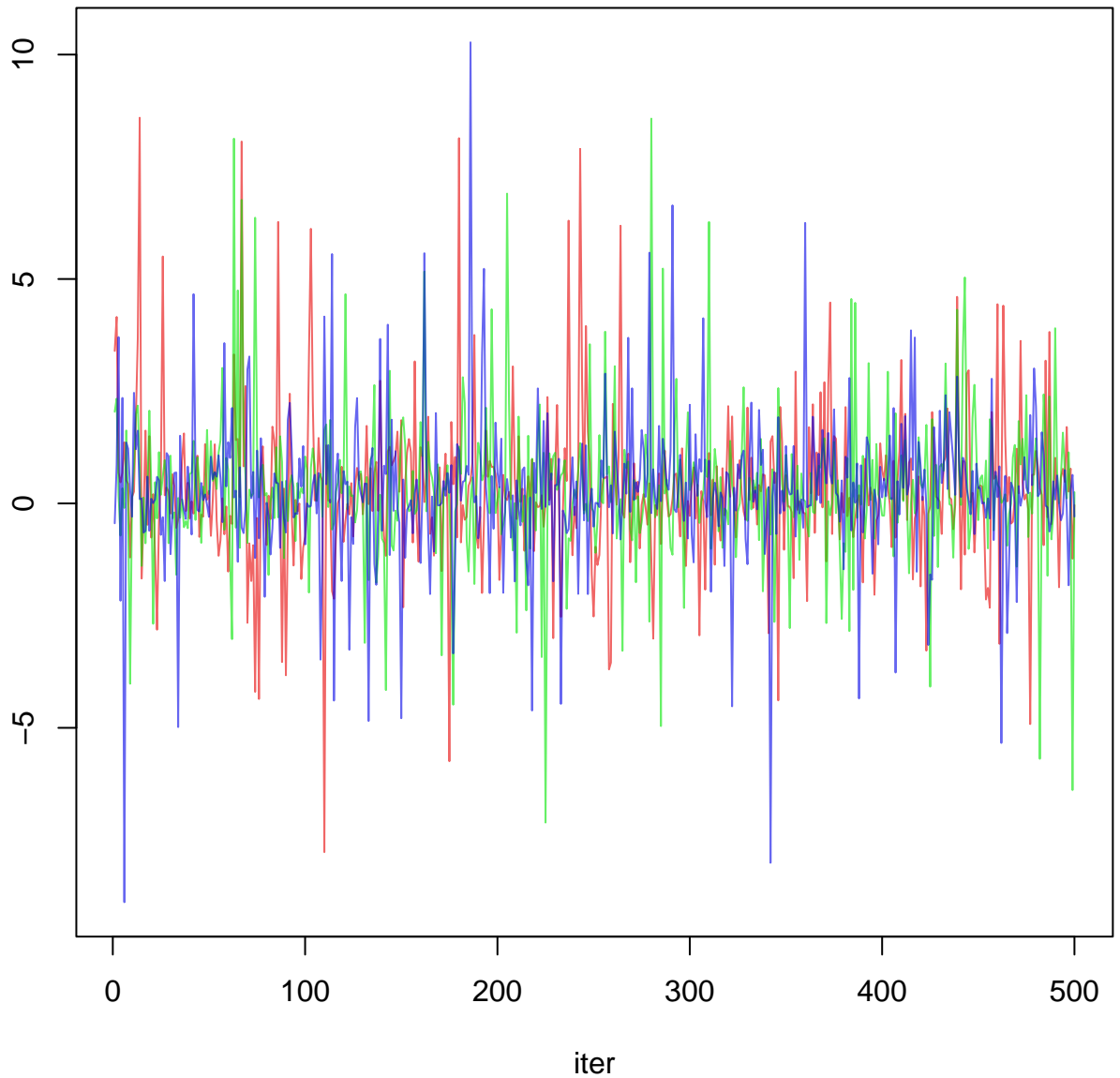
sig



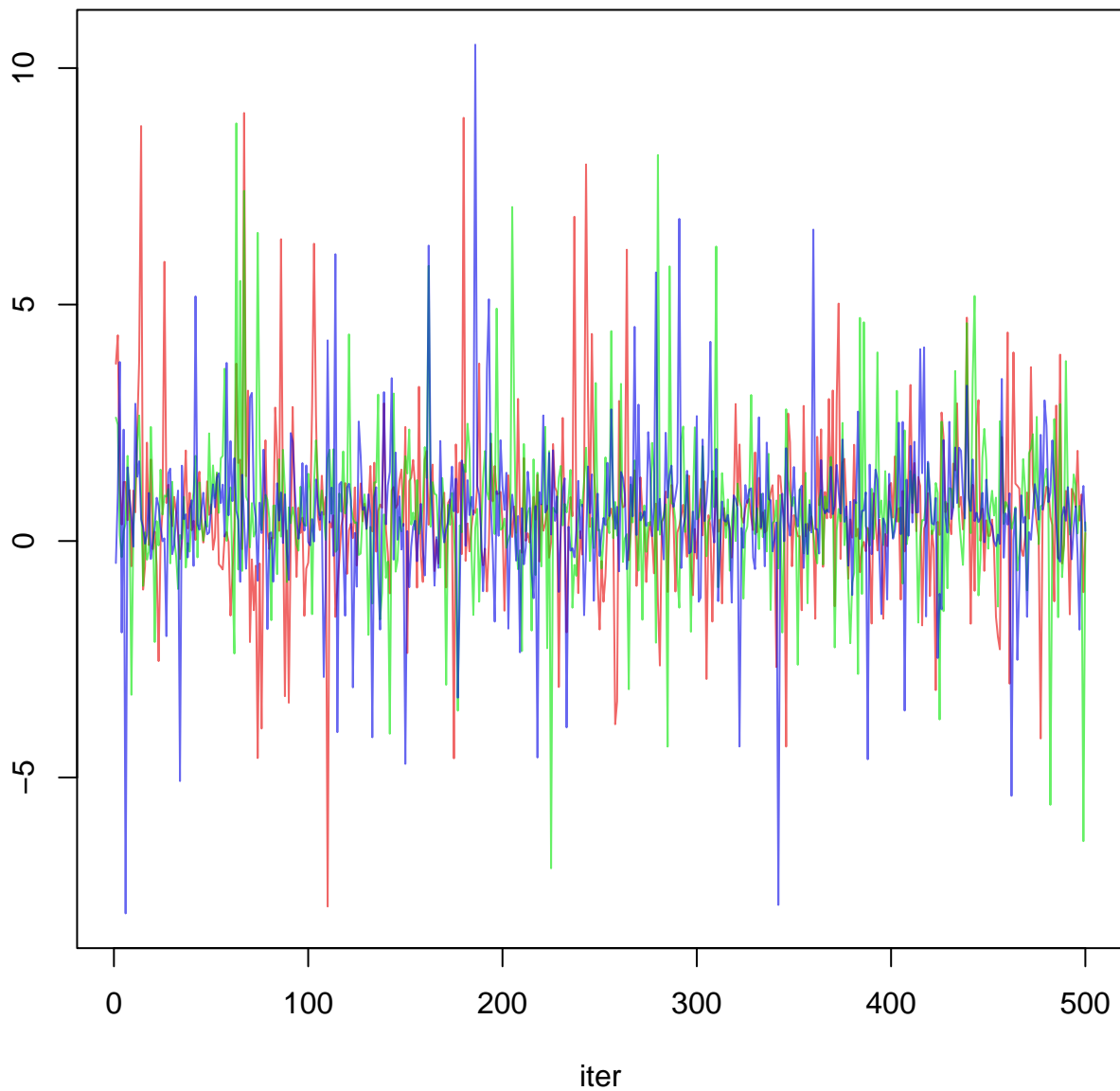
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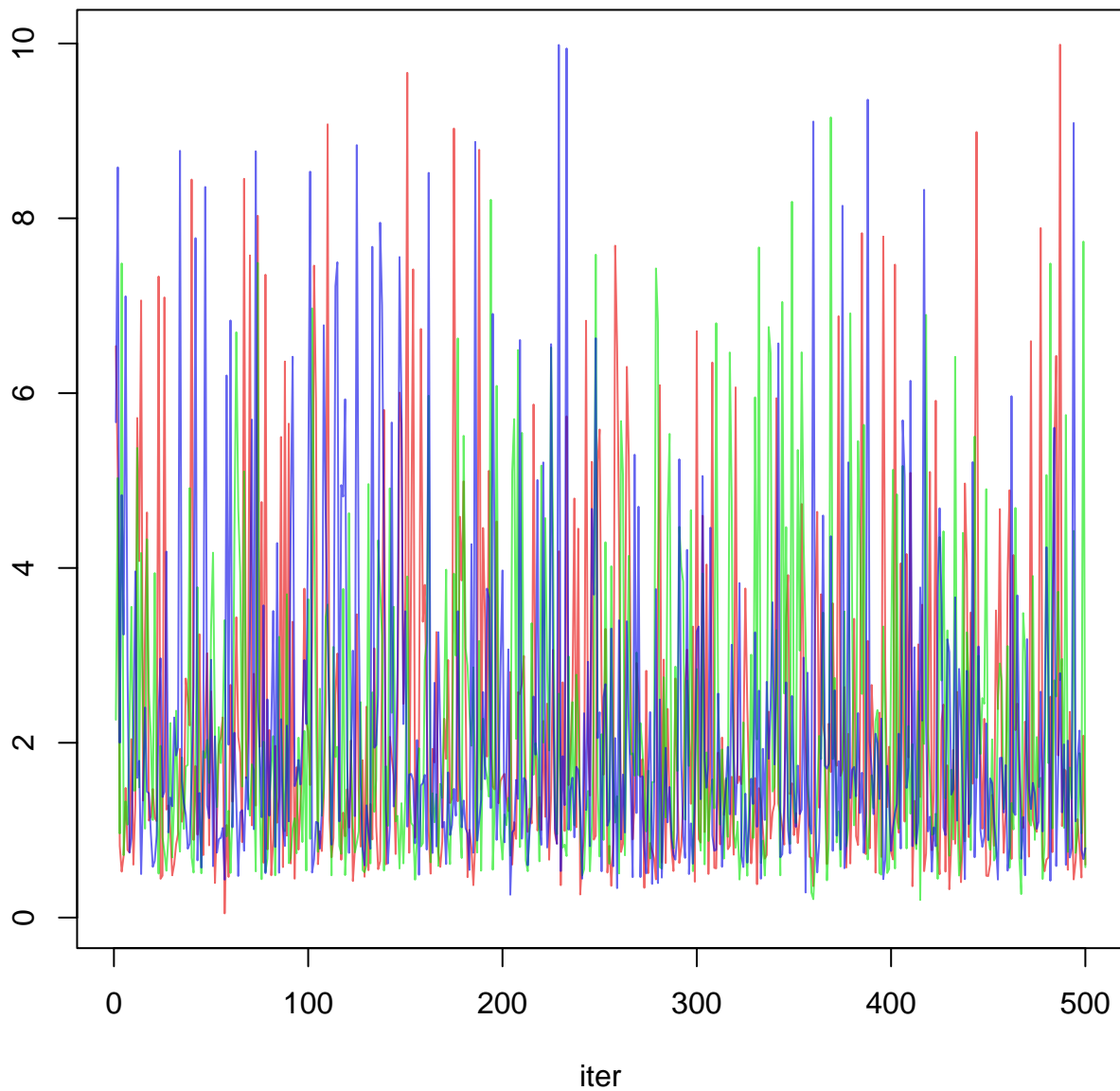
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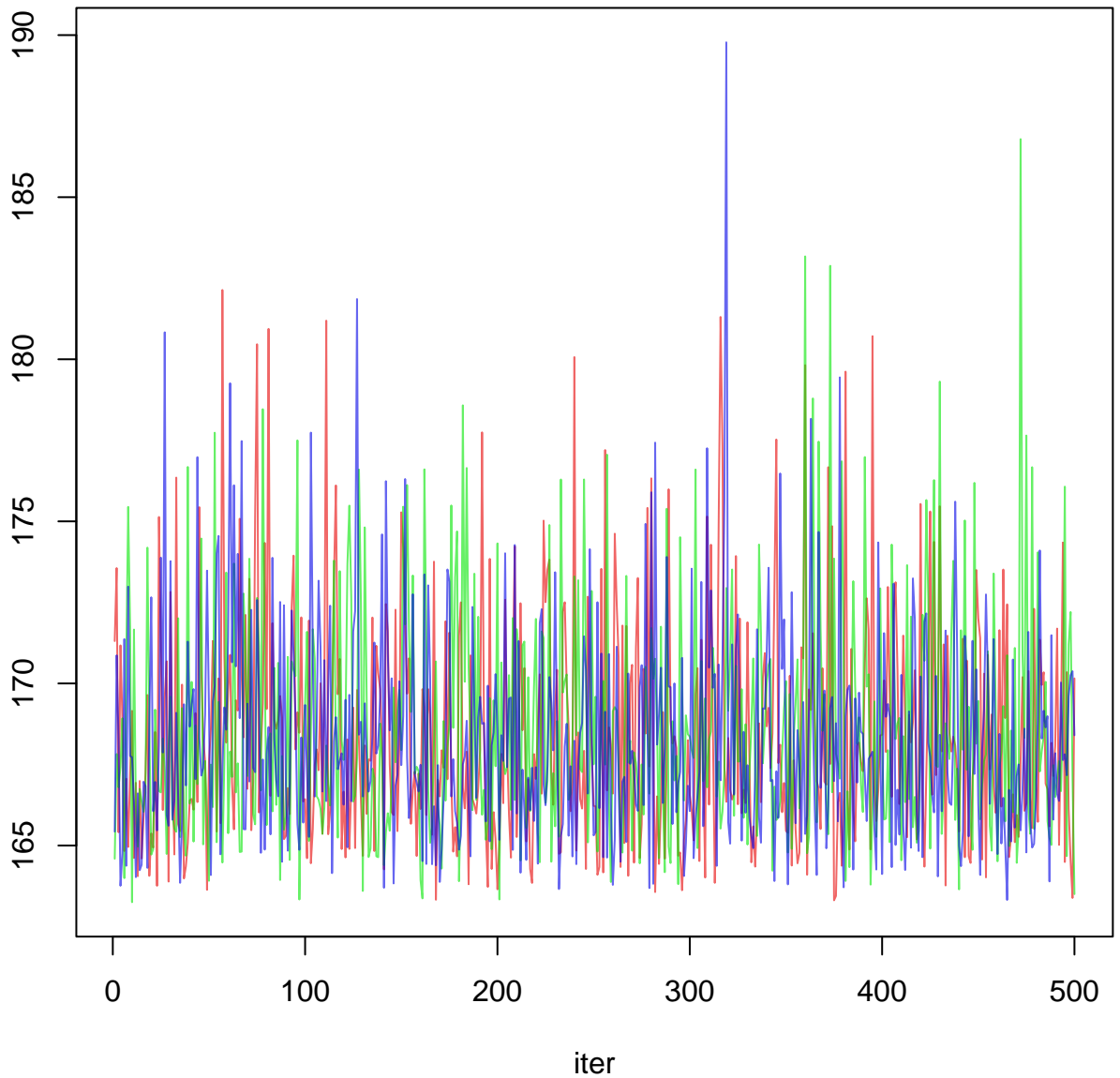
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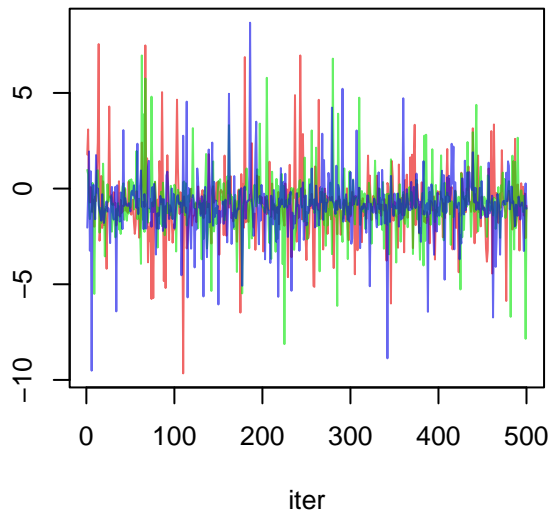
sig_a



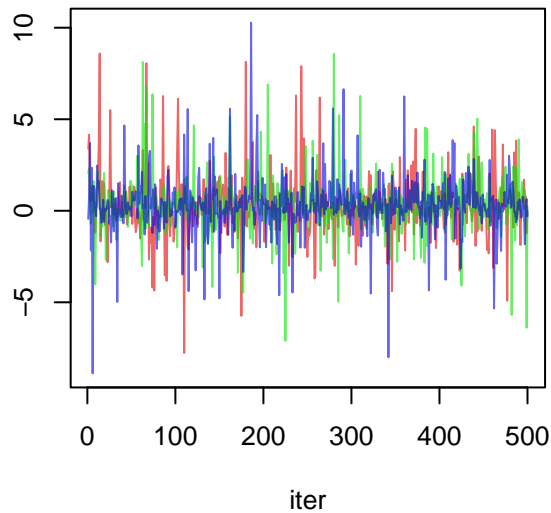
deviance



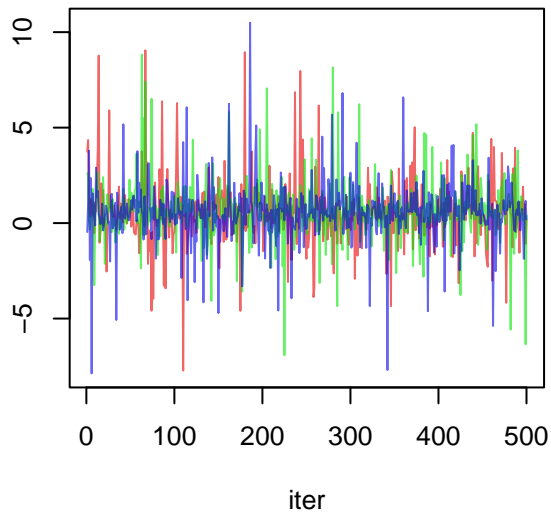
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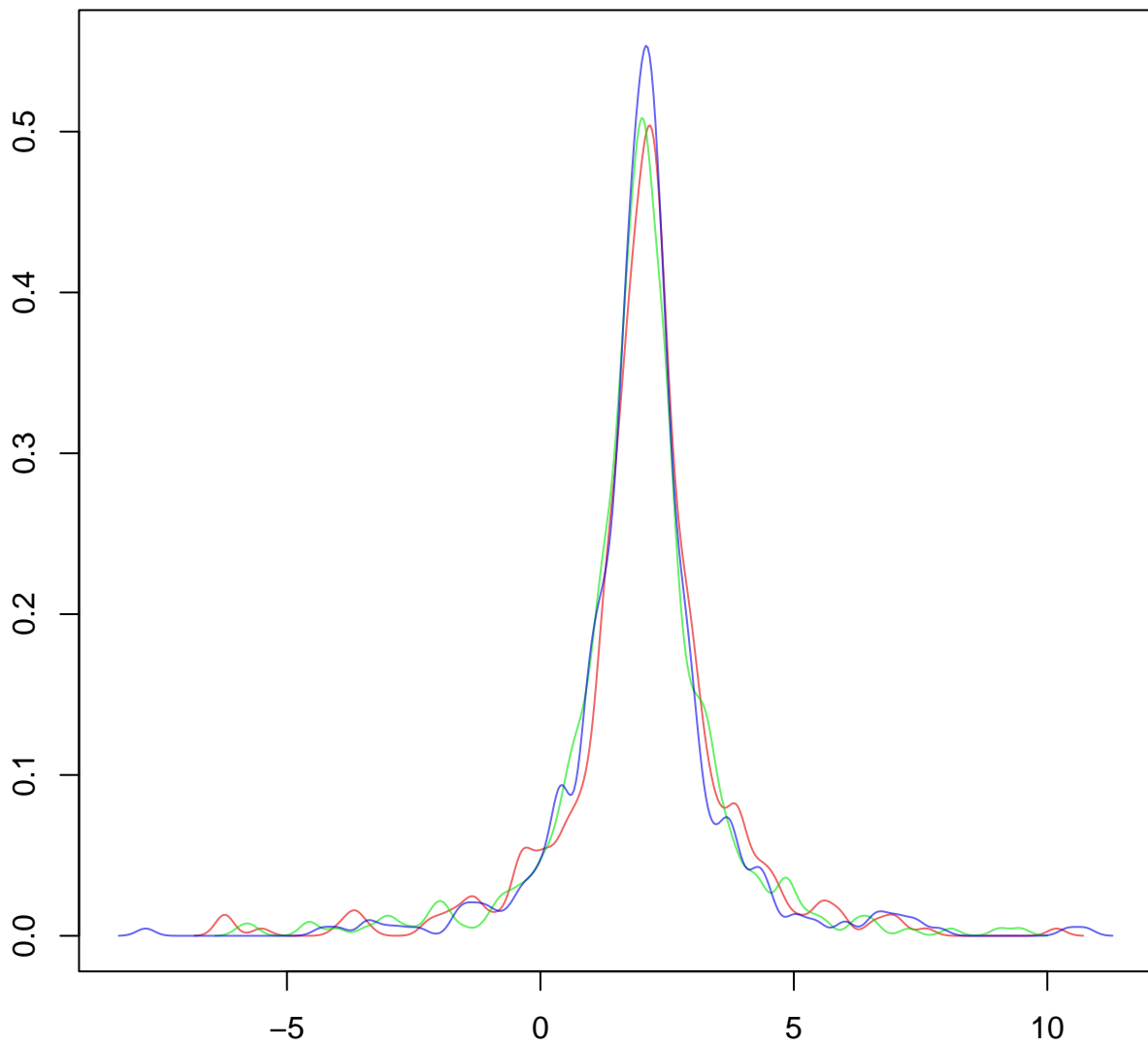
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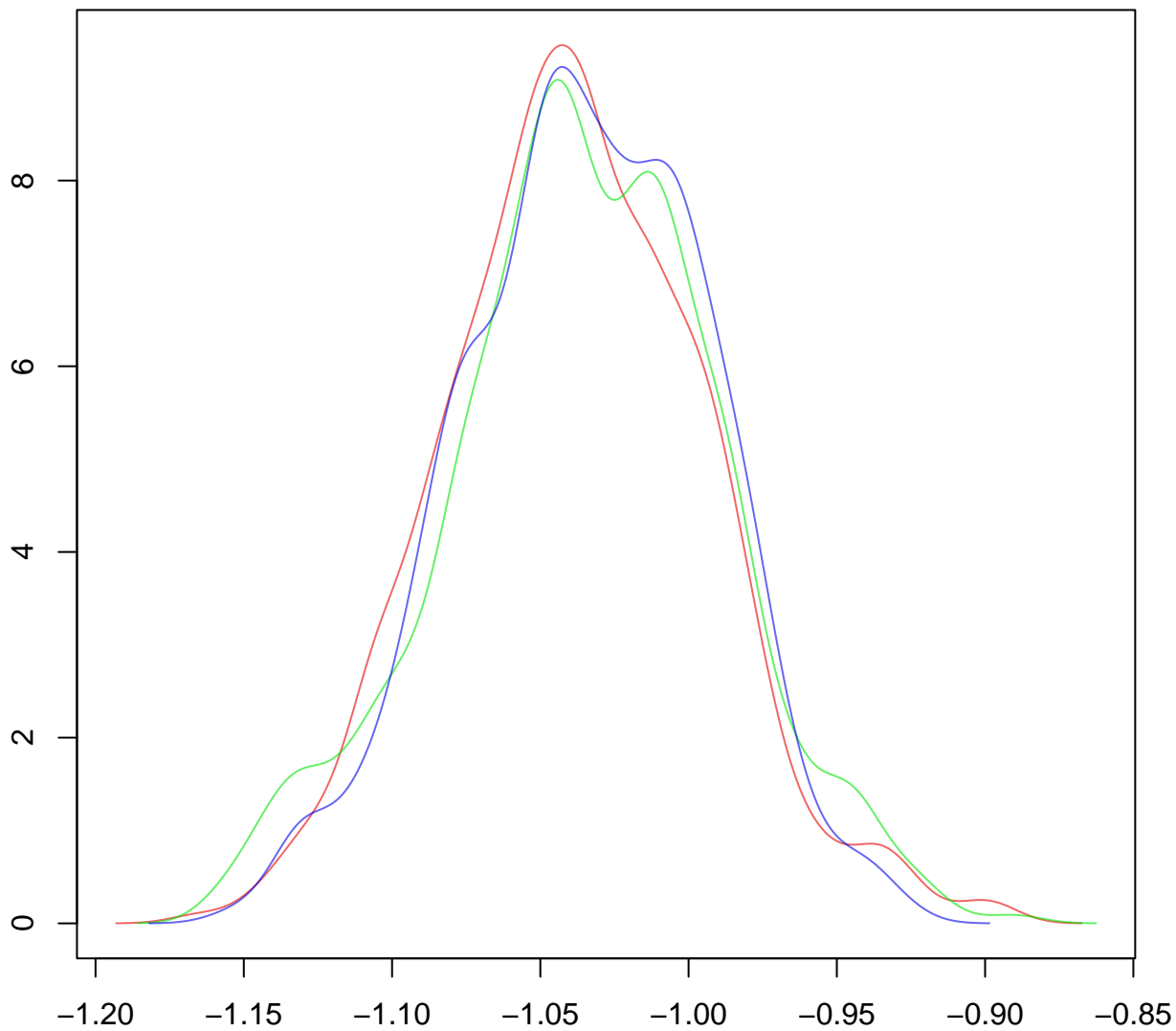
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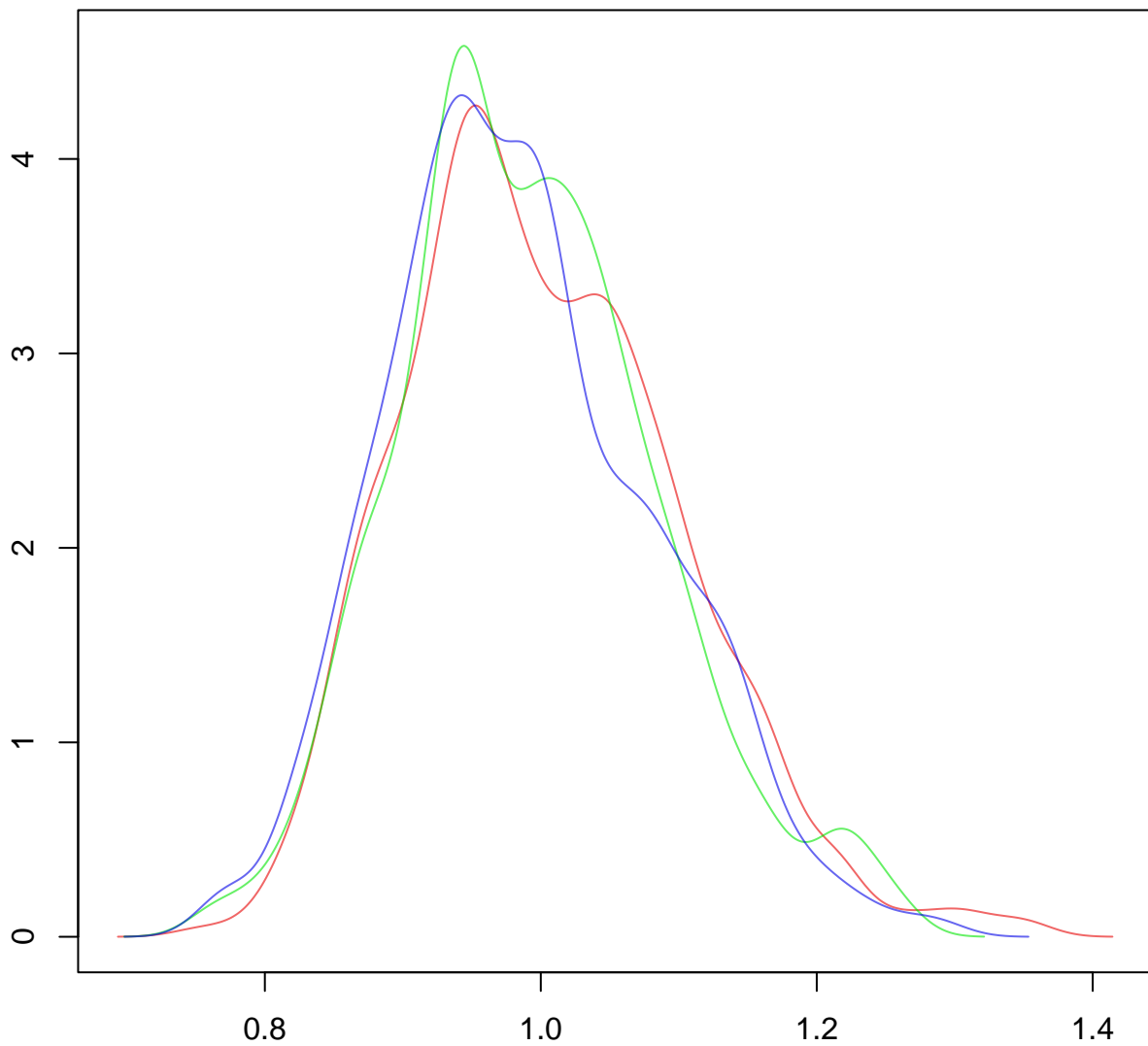
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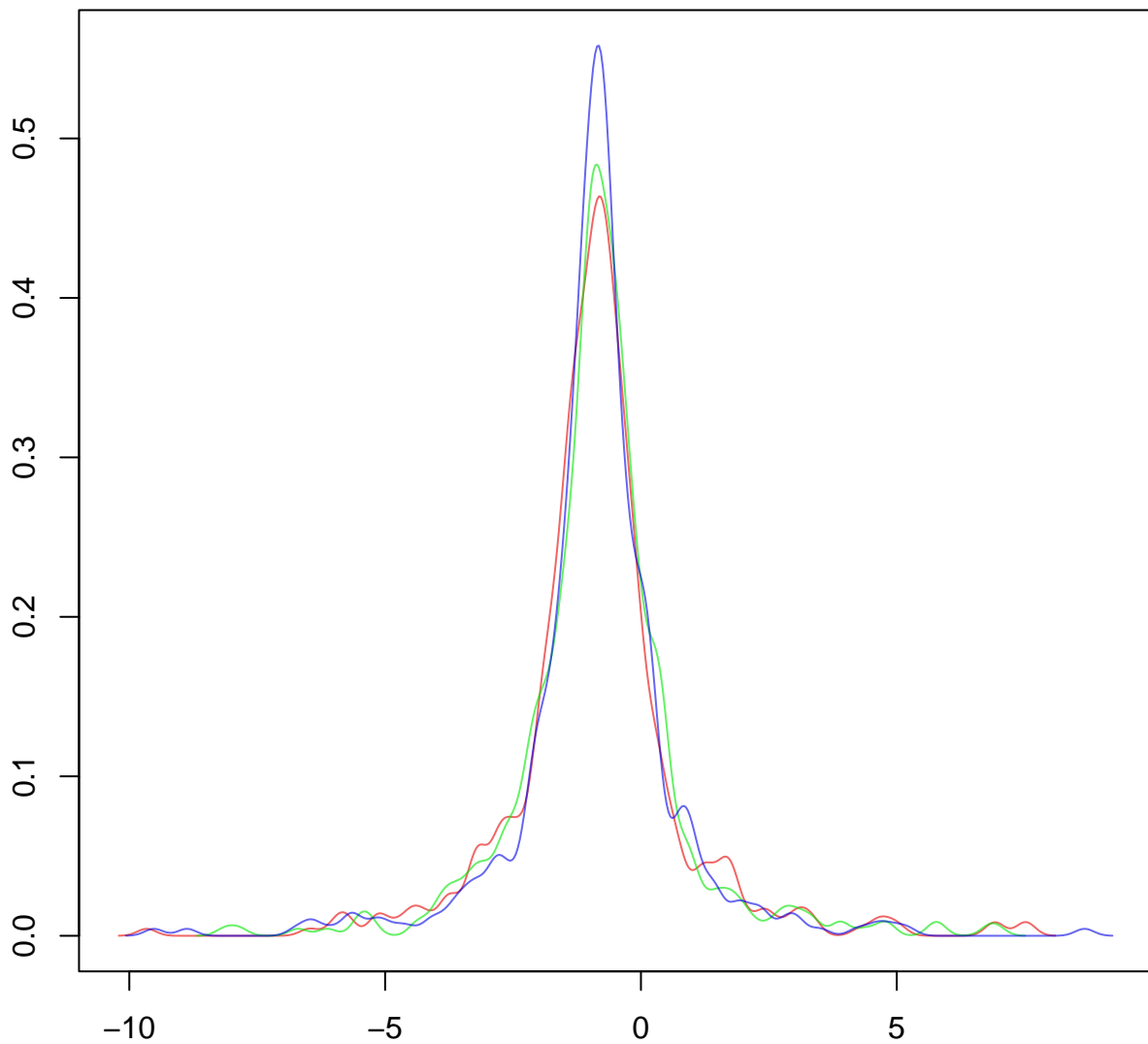
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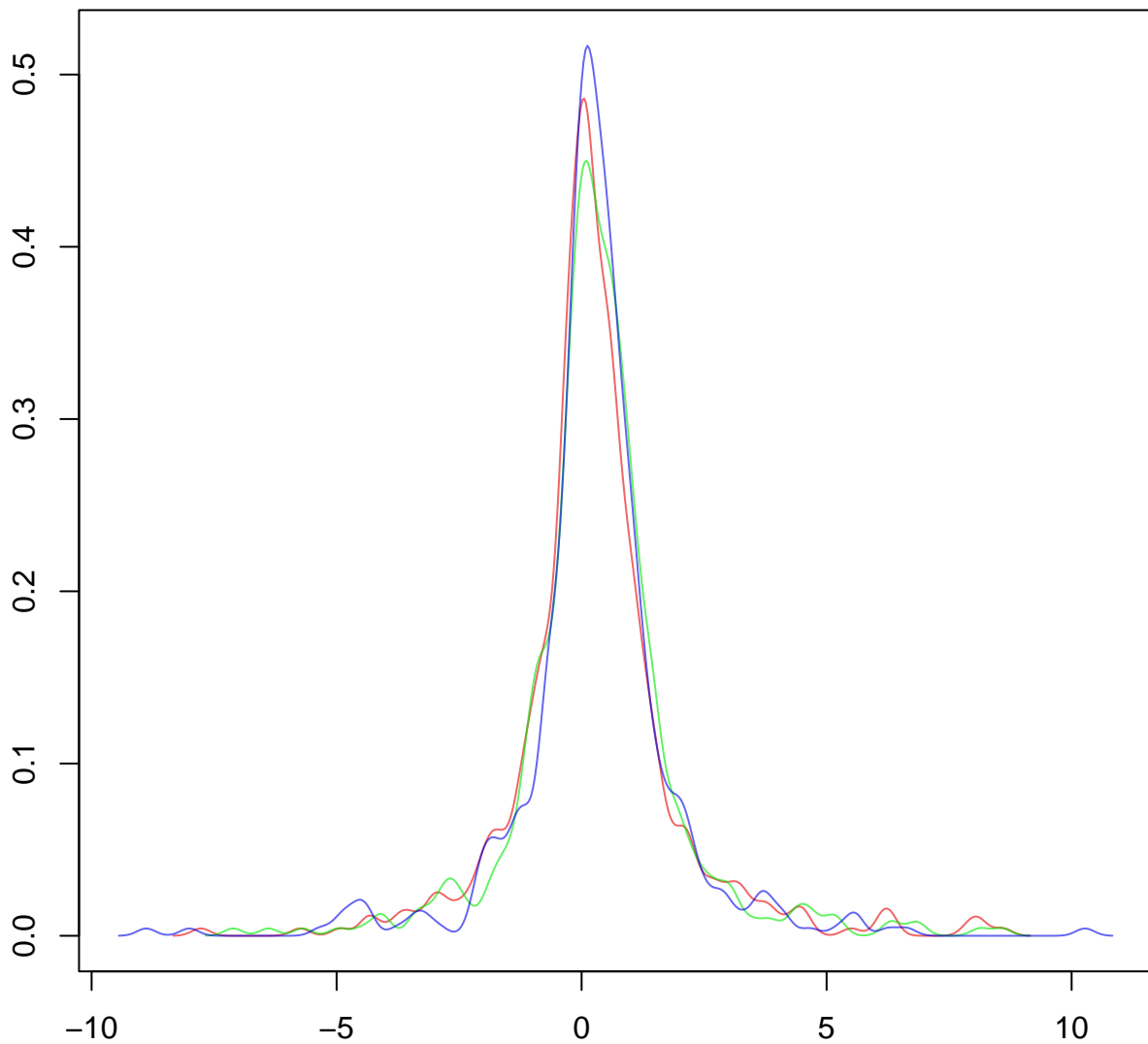
sig



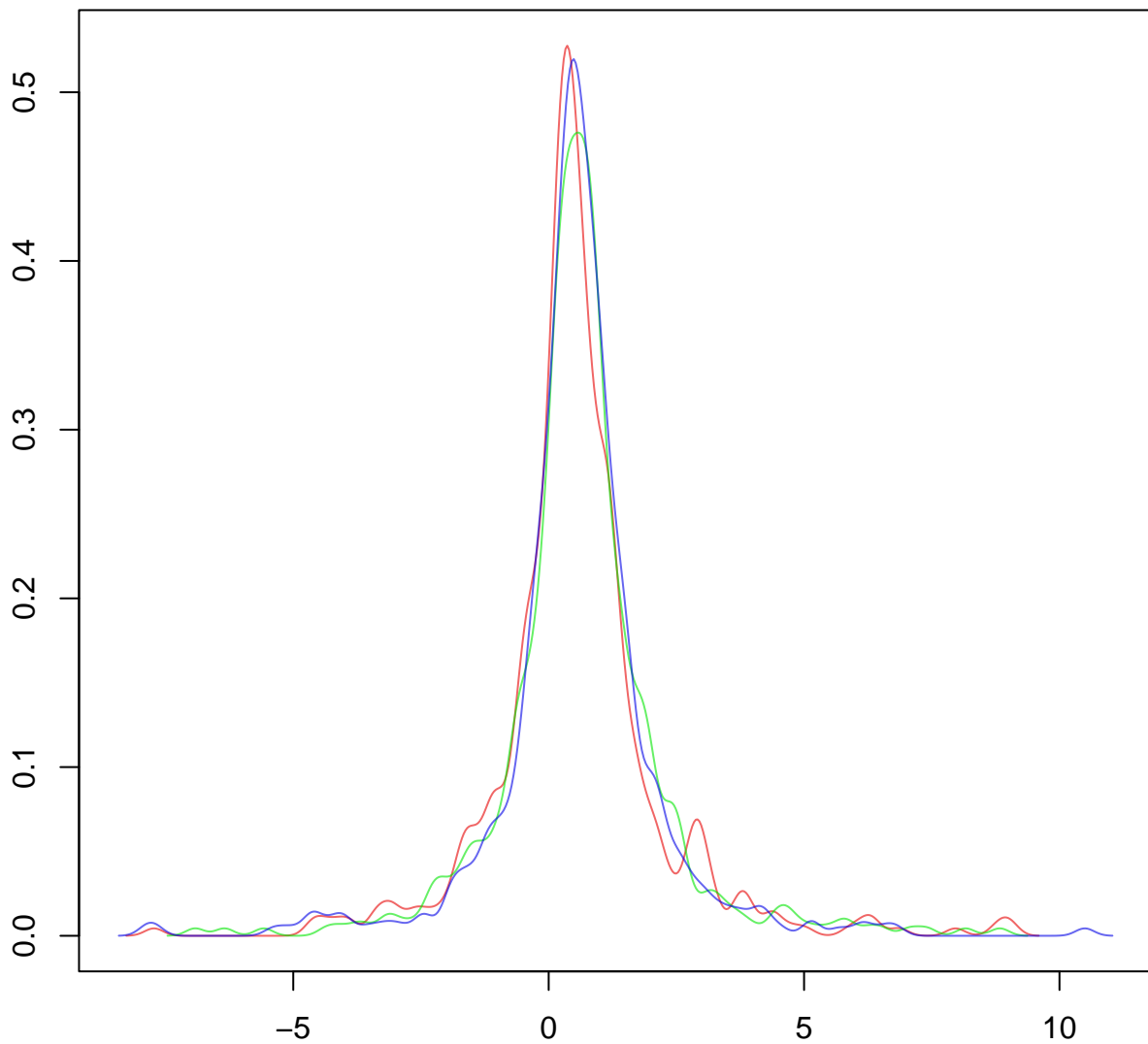
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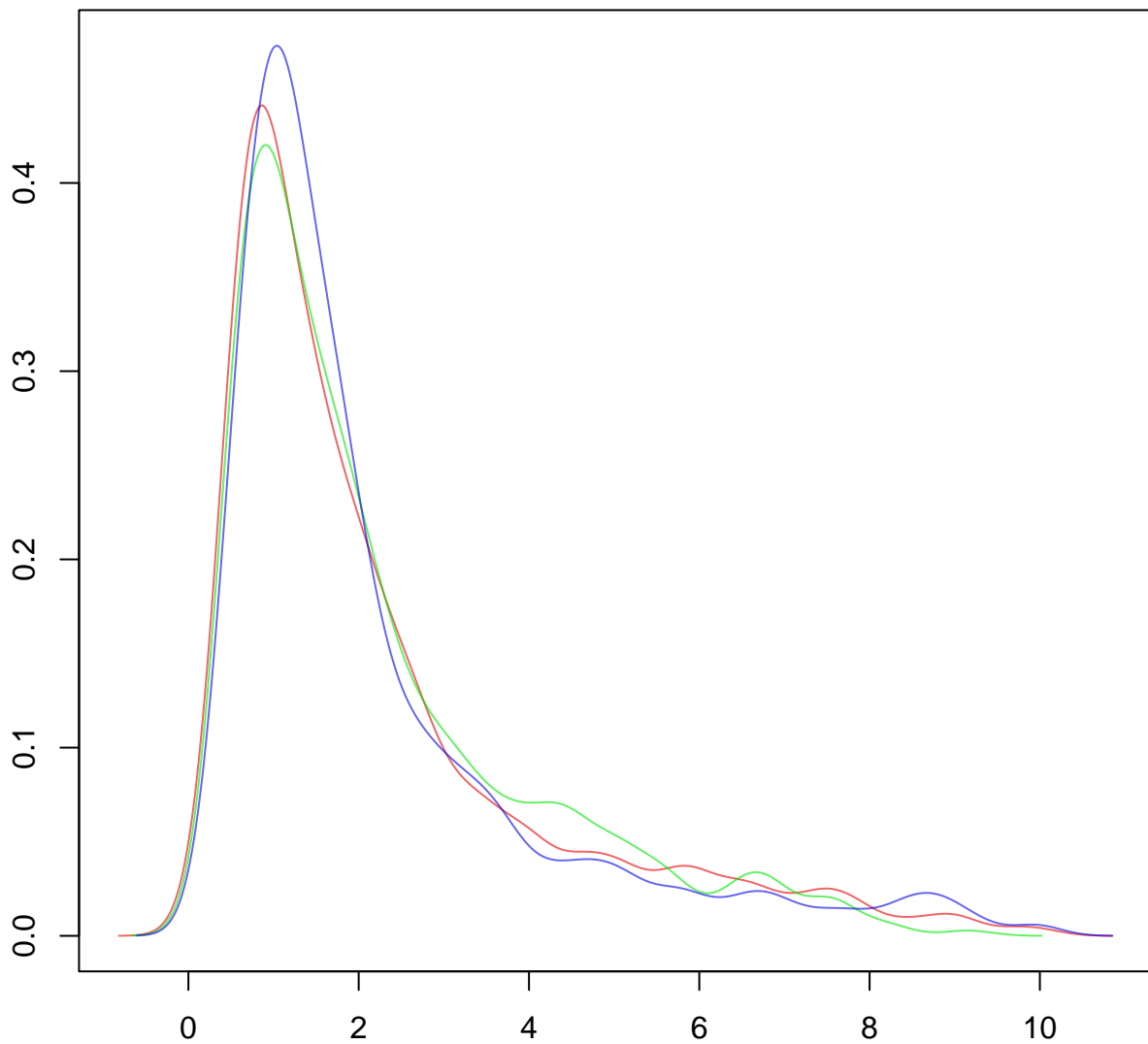
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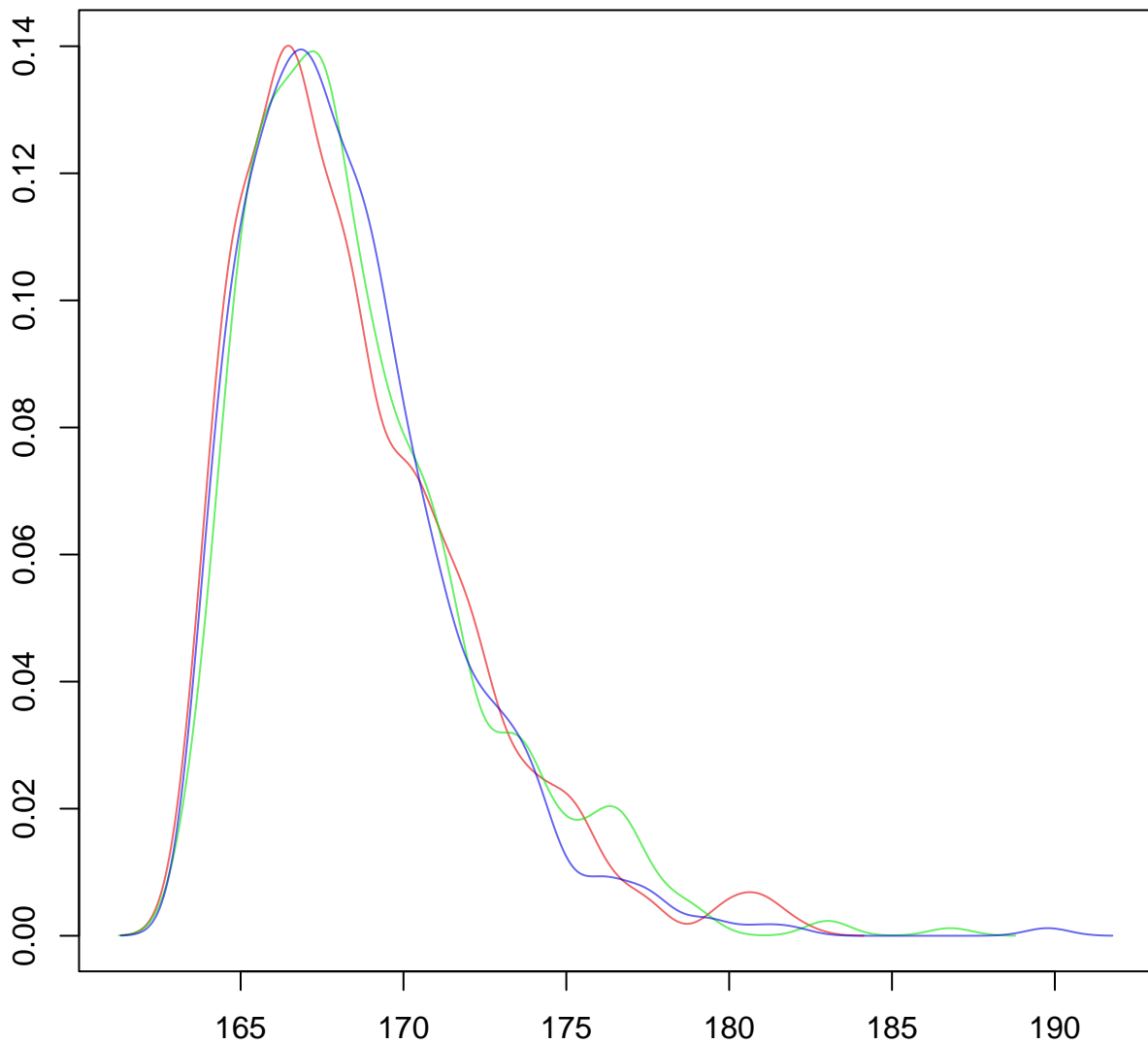
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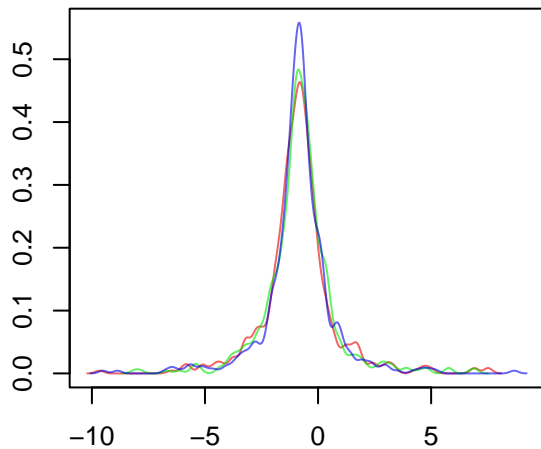
sig_a



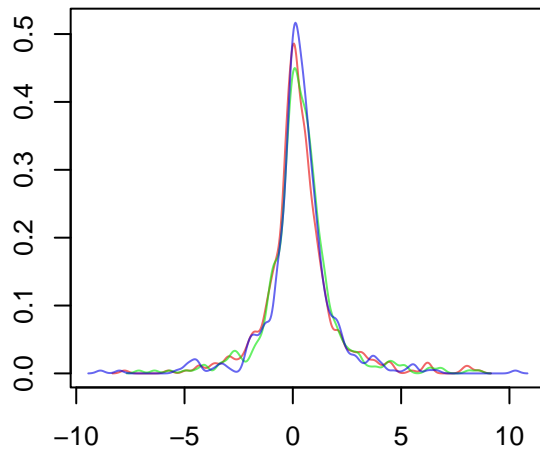
deviance



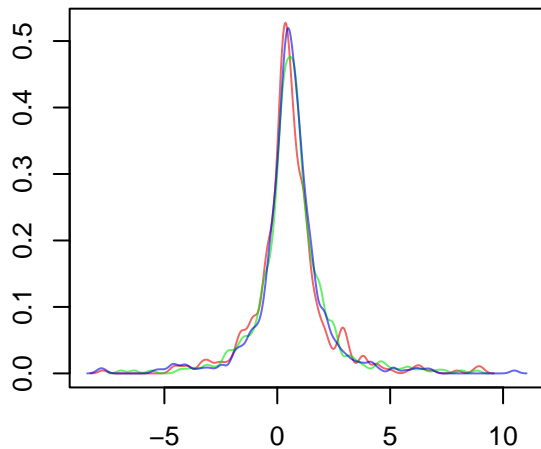
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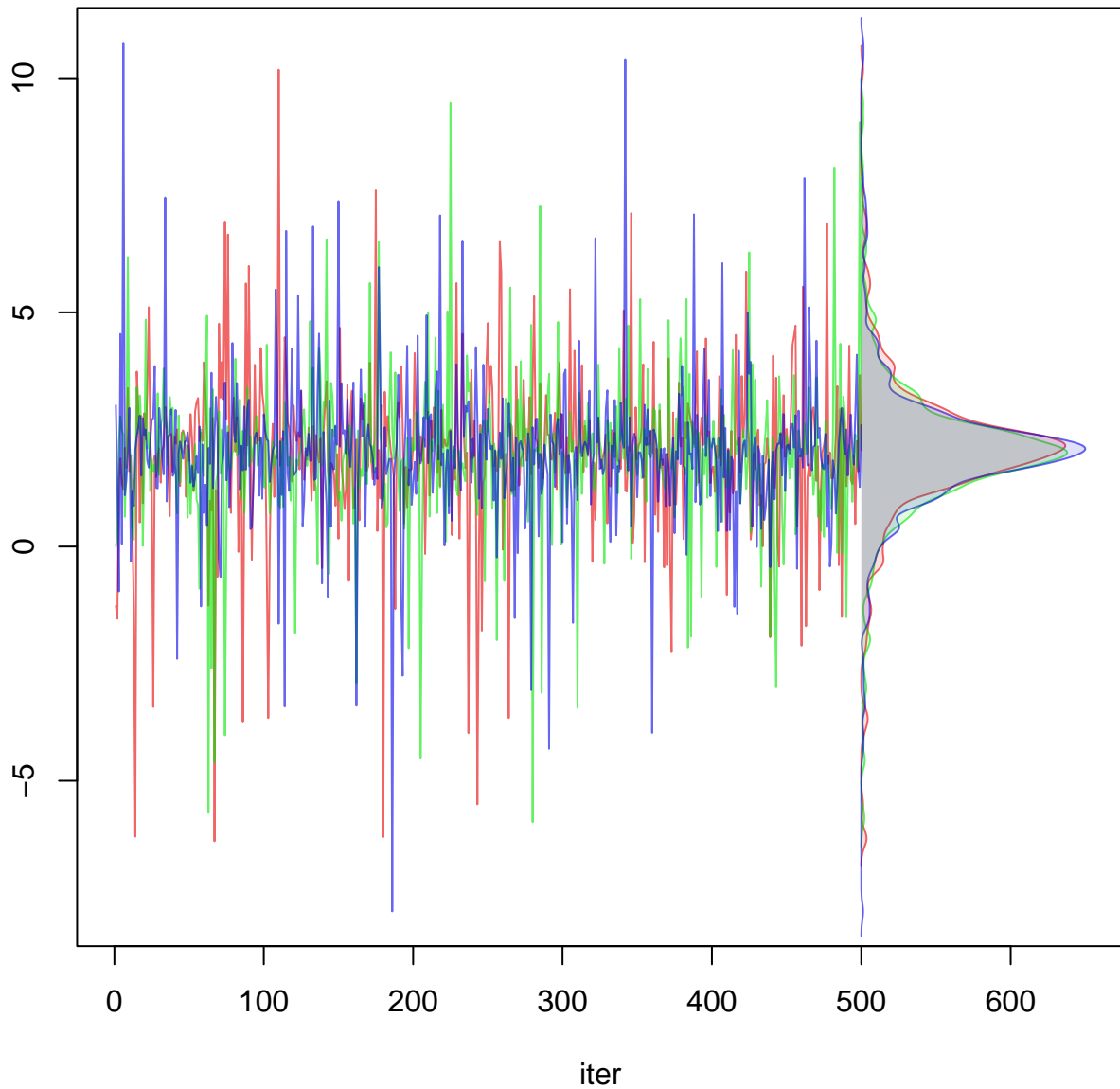
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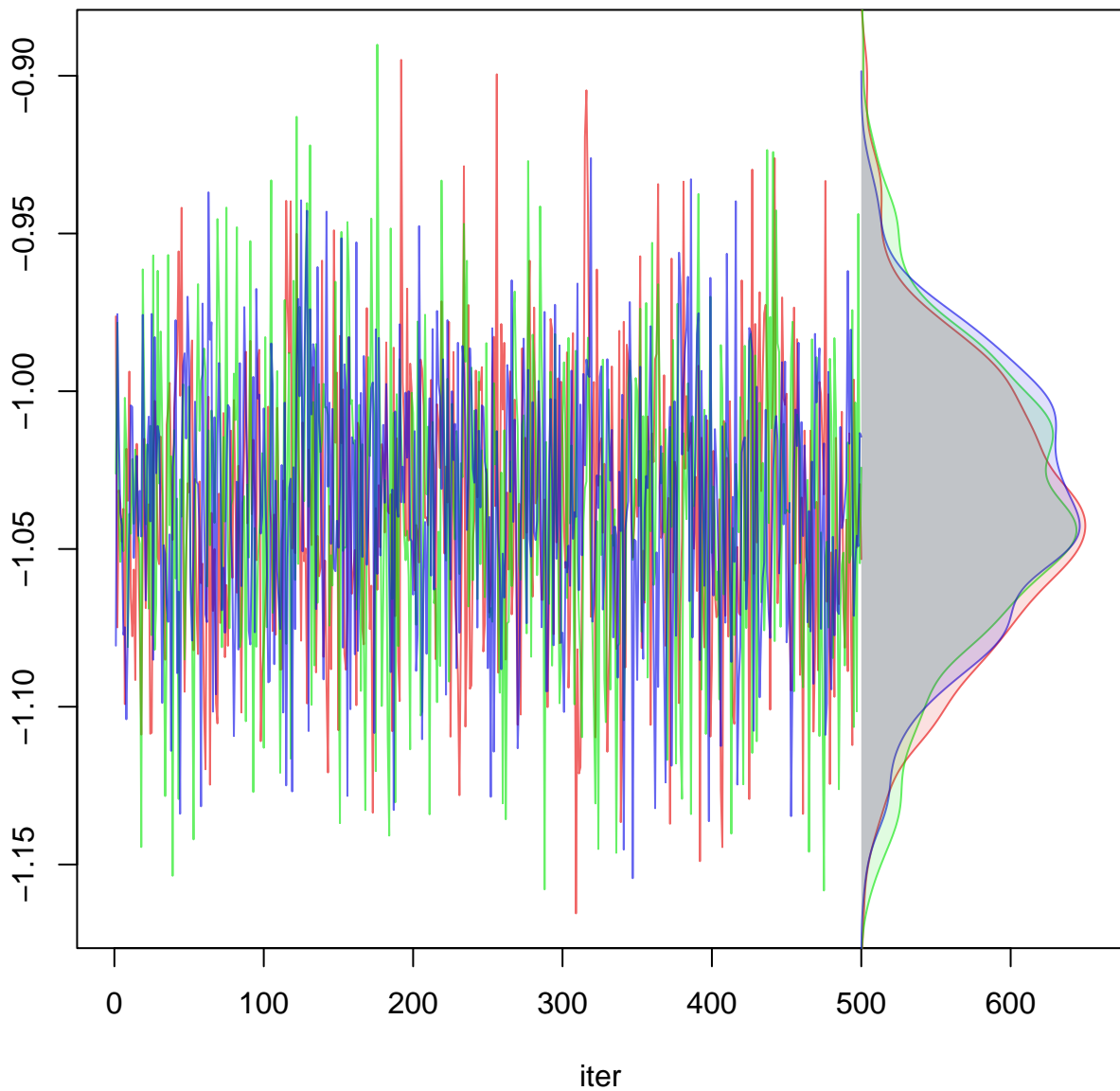
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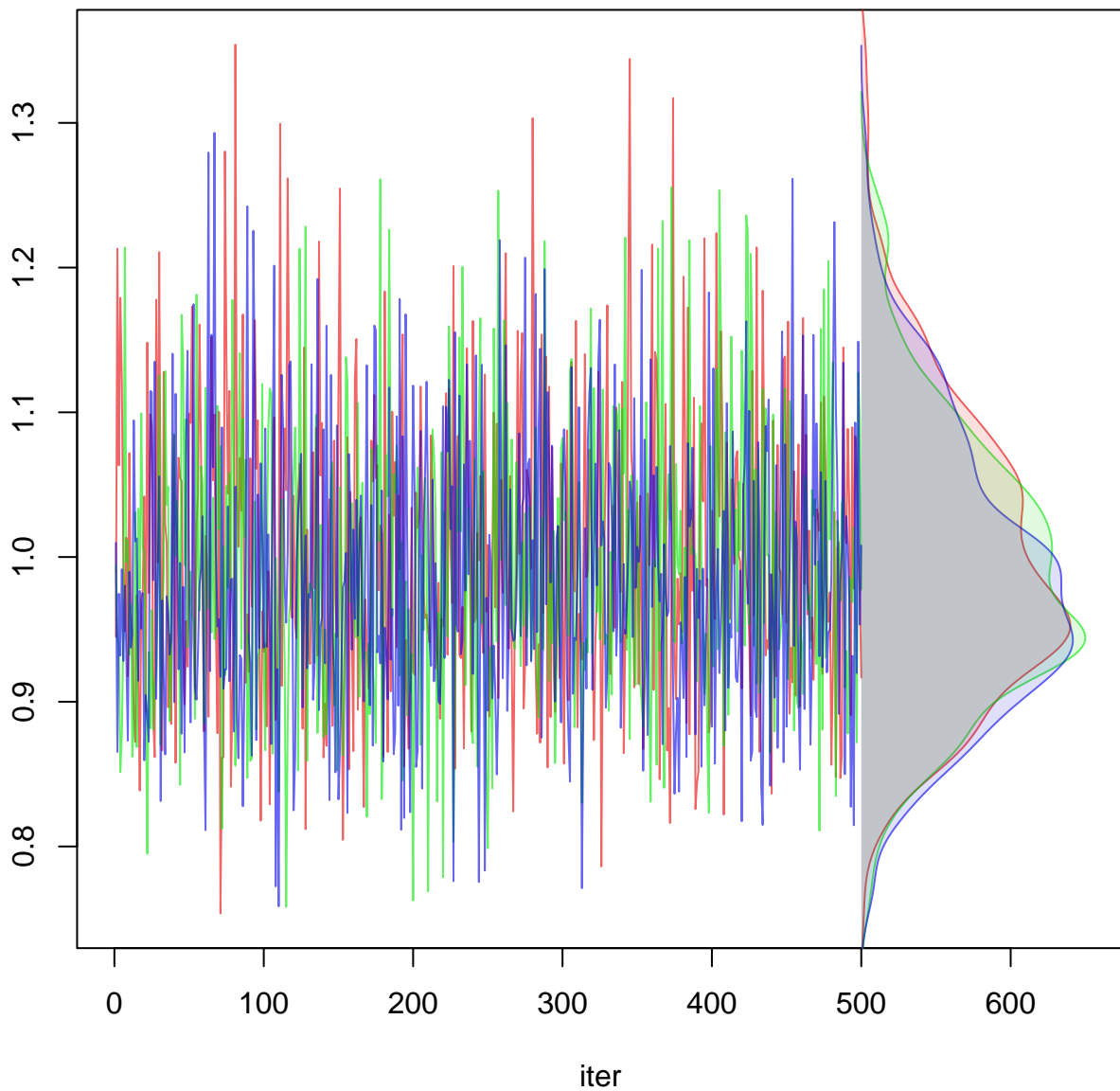
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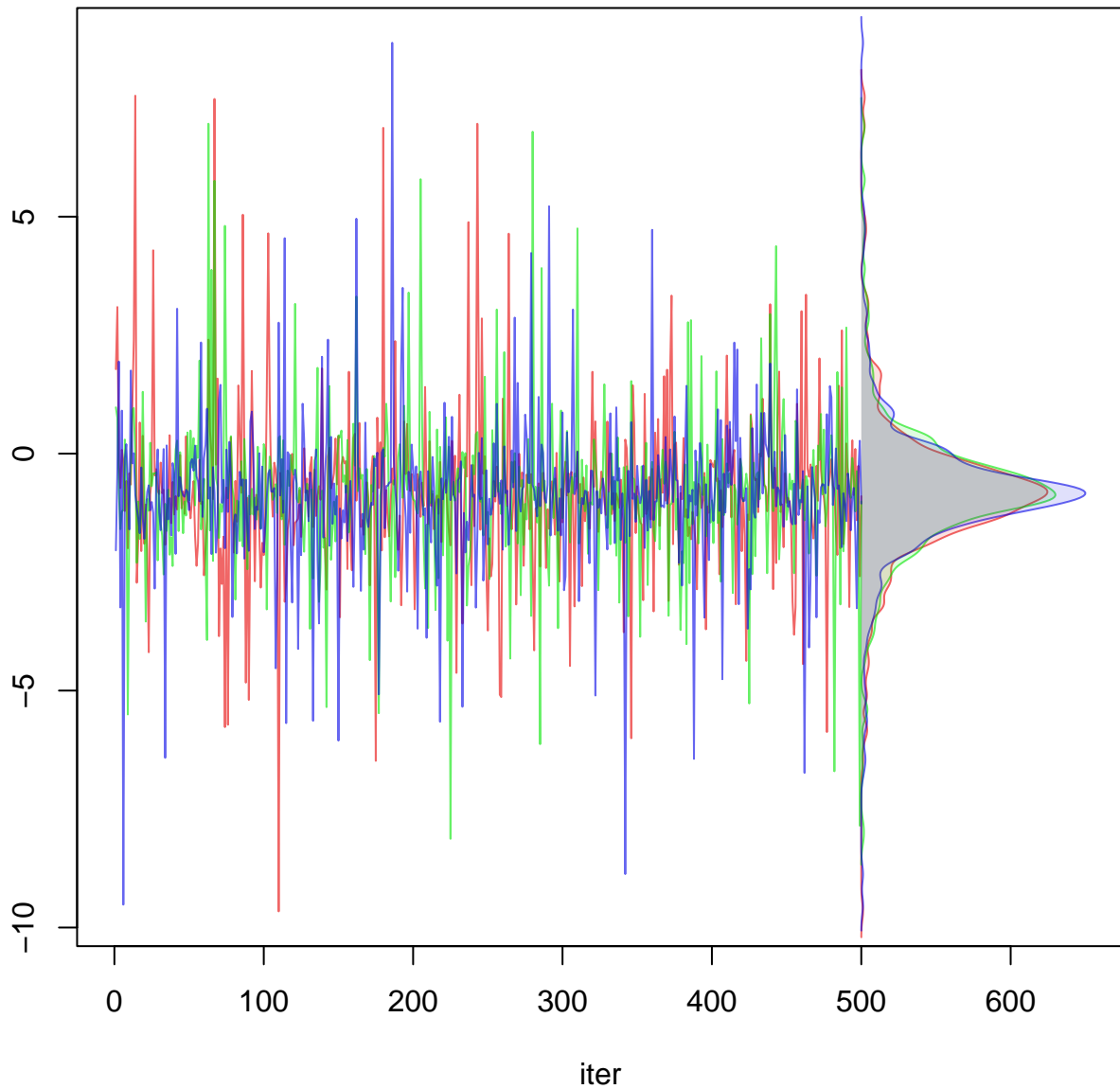
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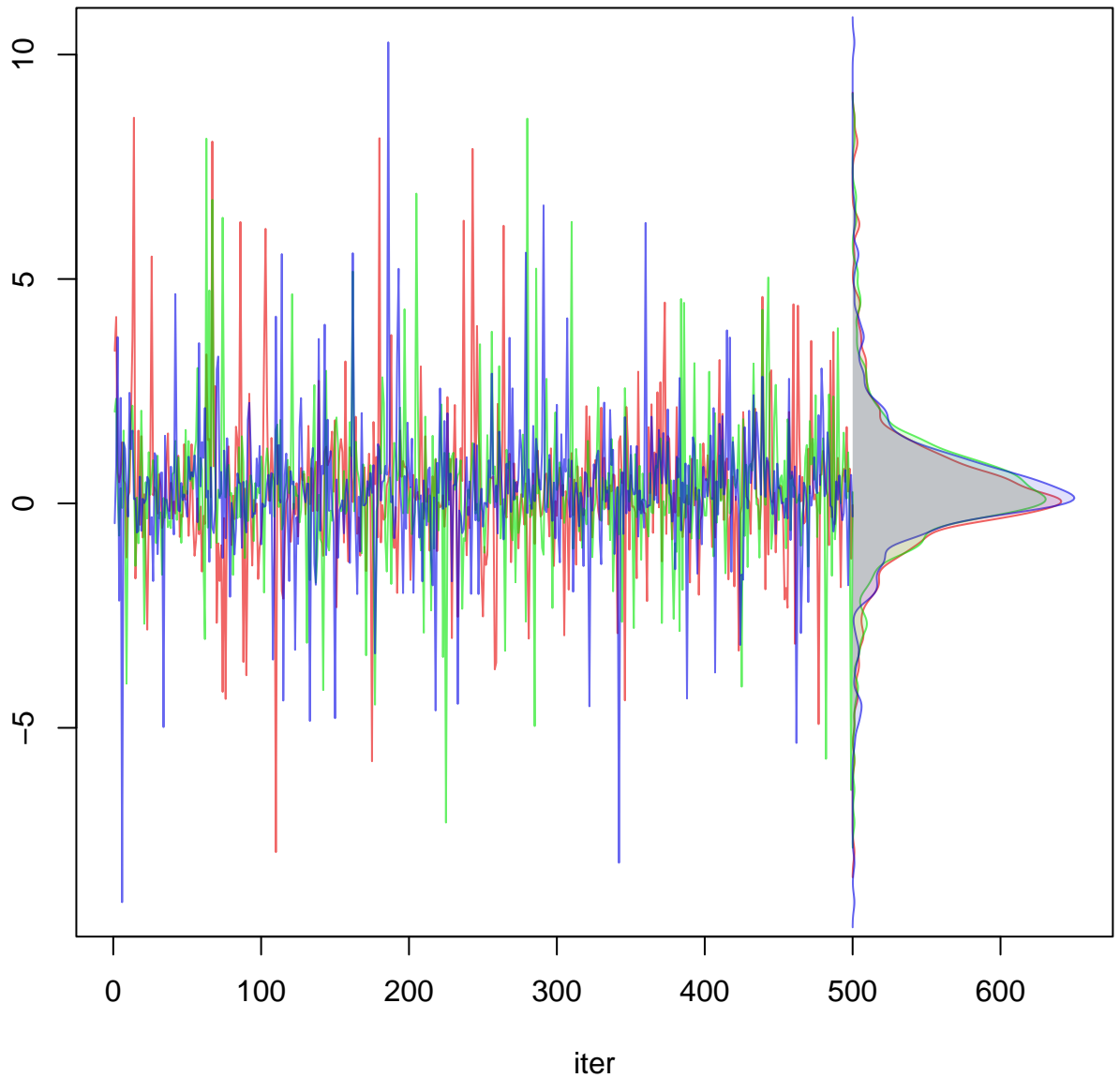
sig



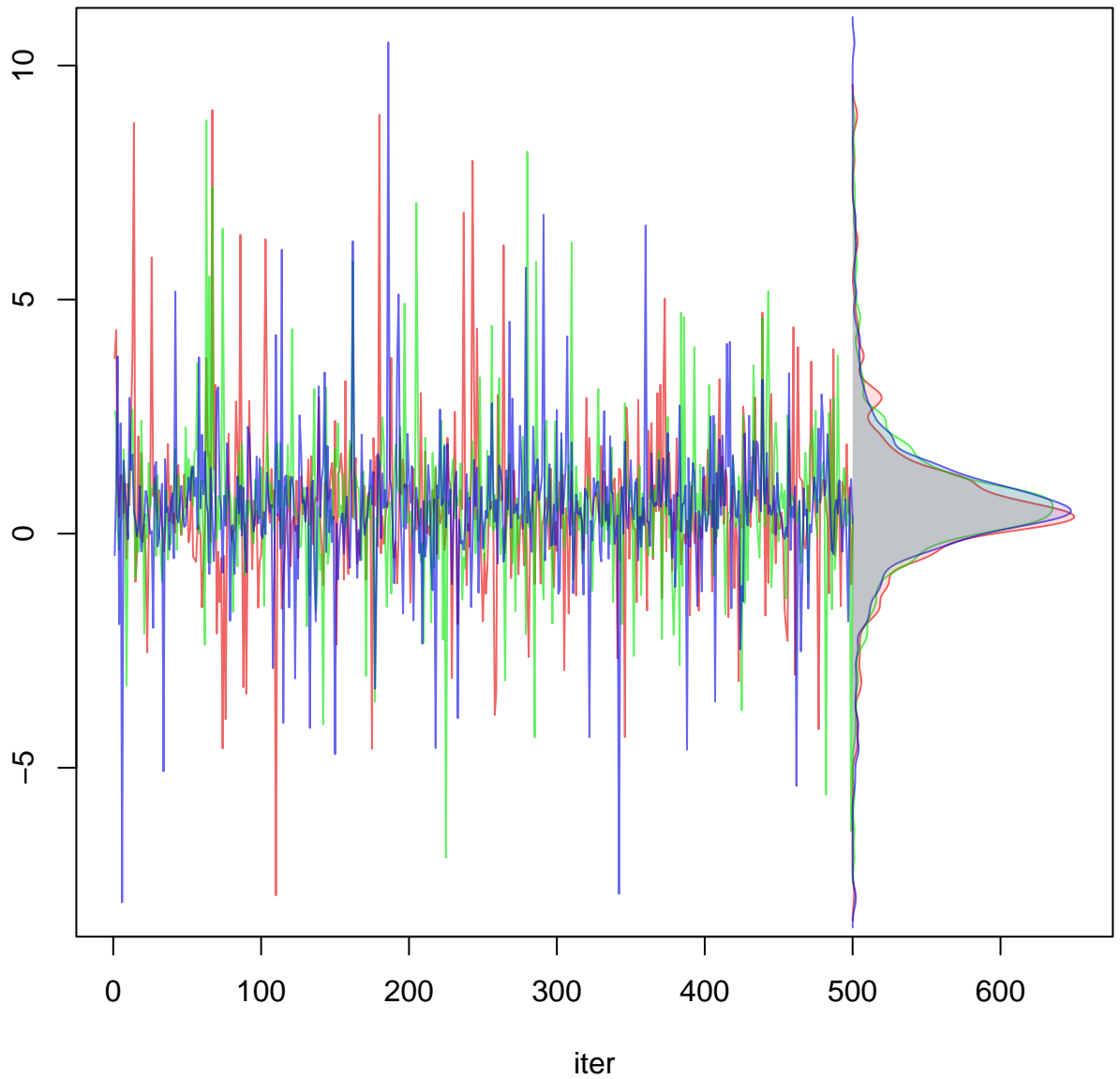
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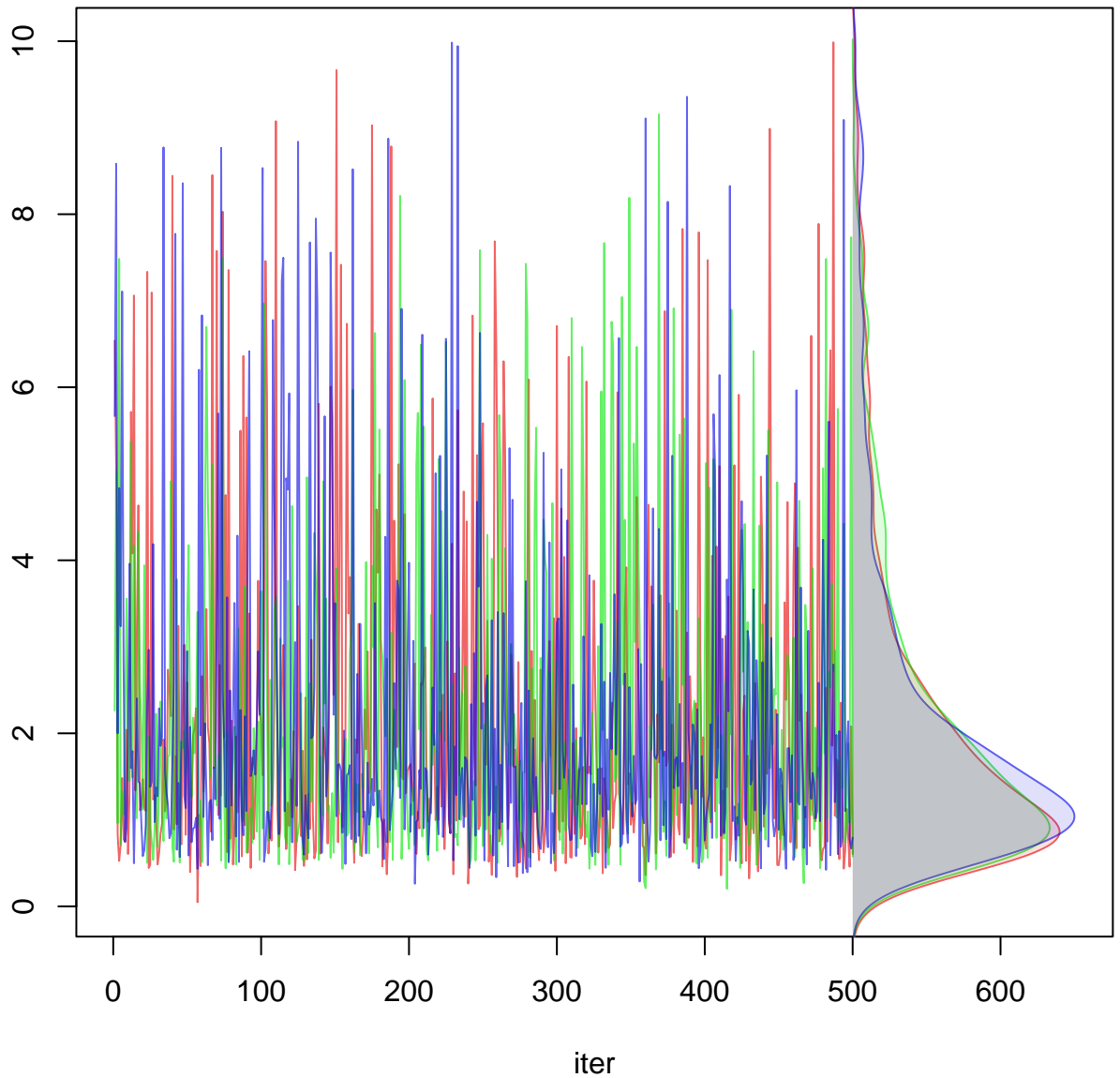
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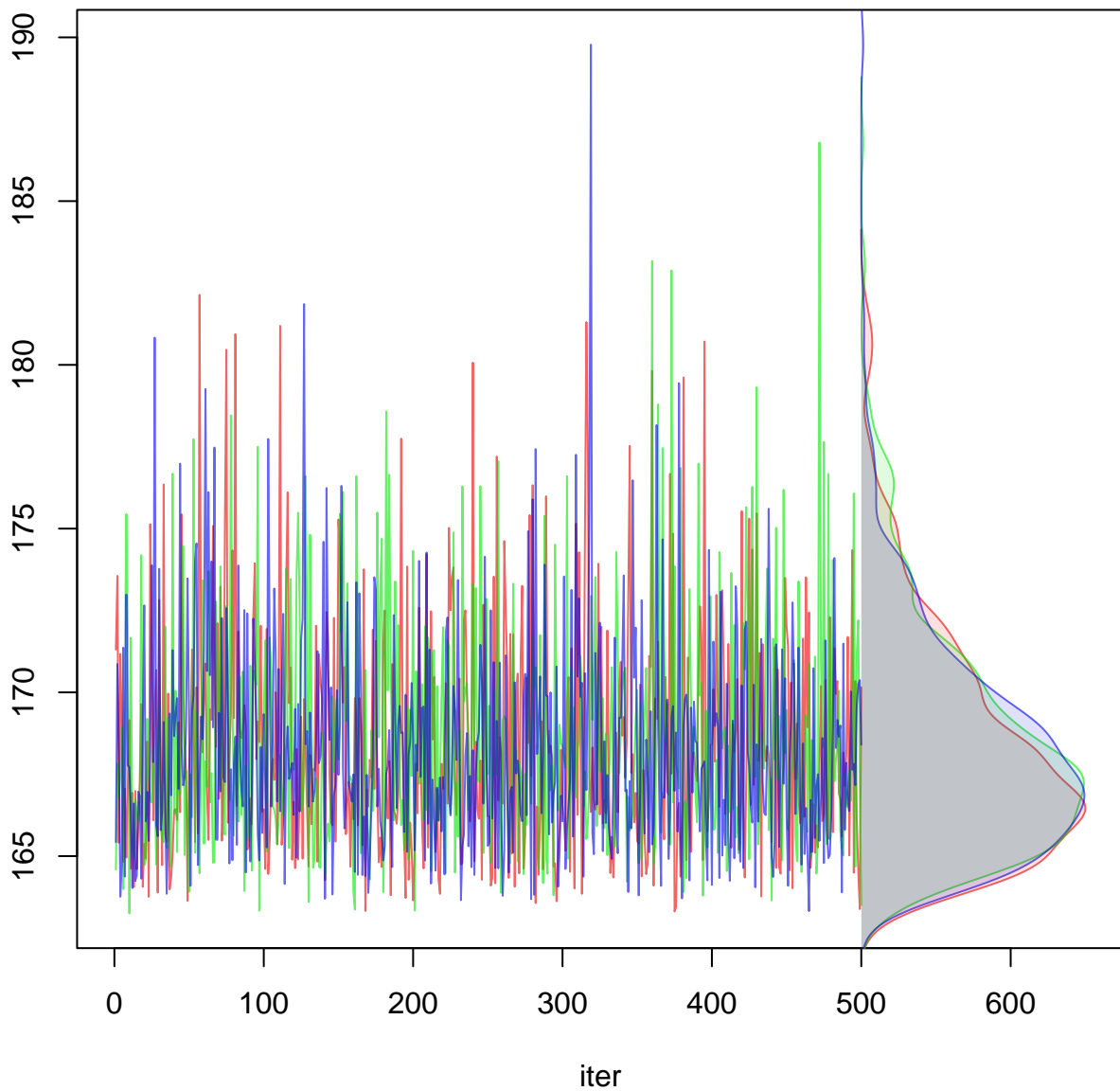
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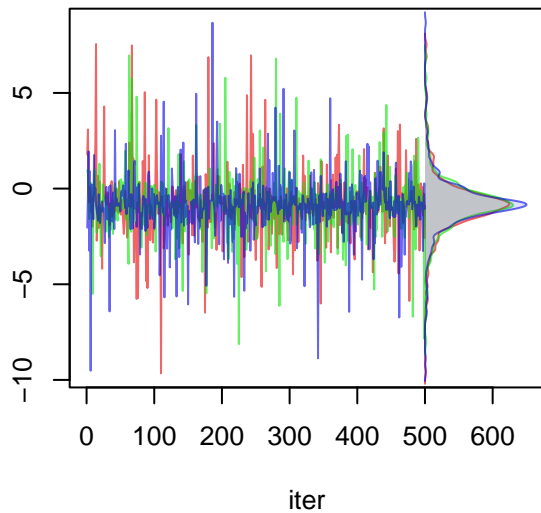
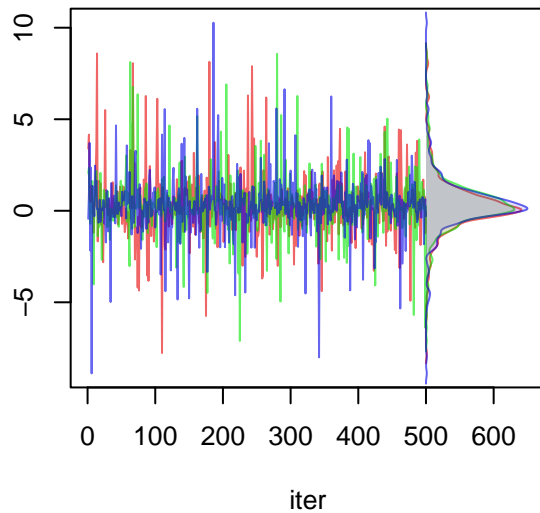
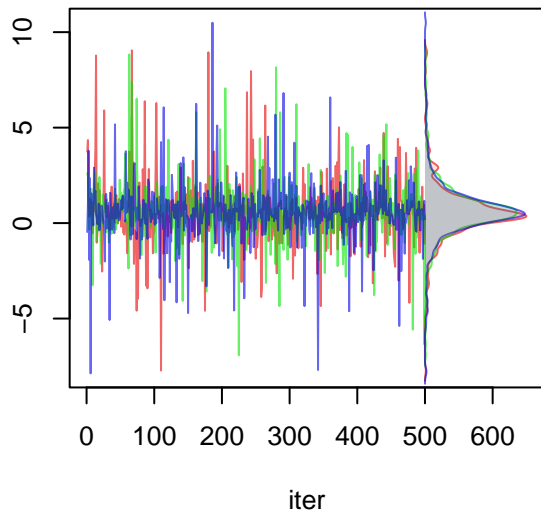


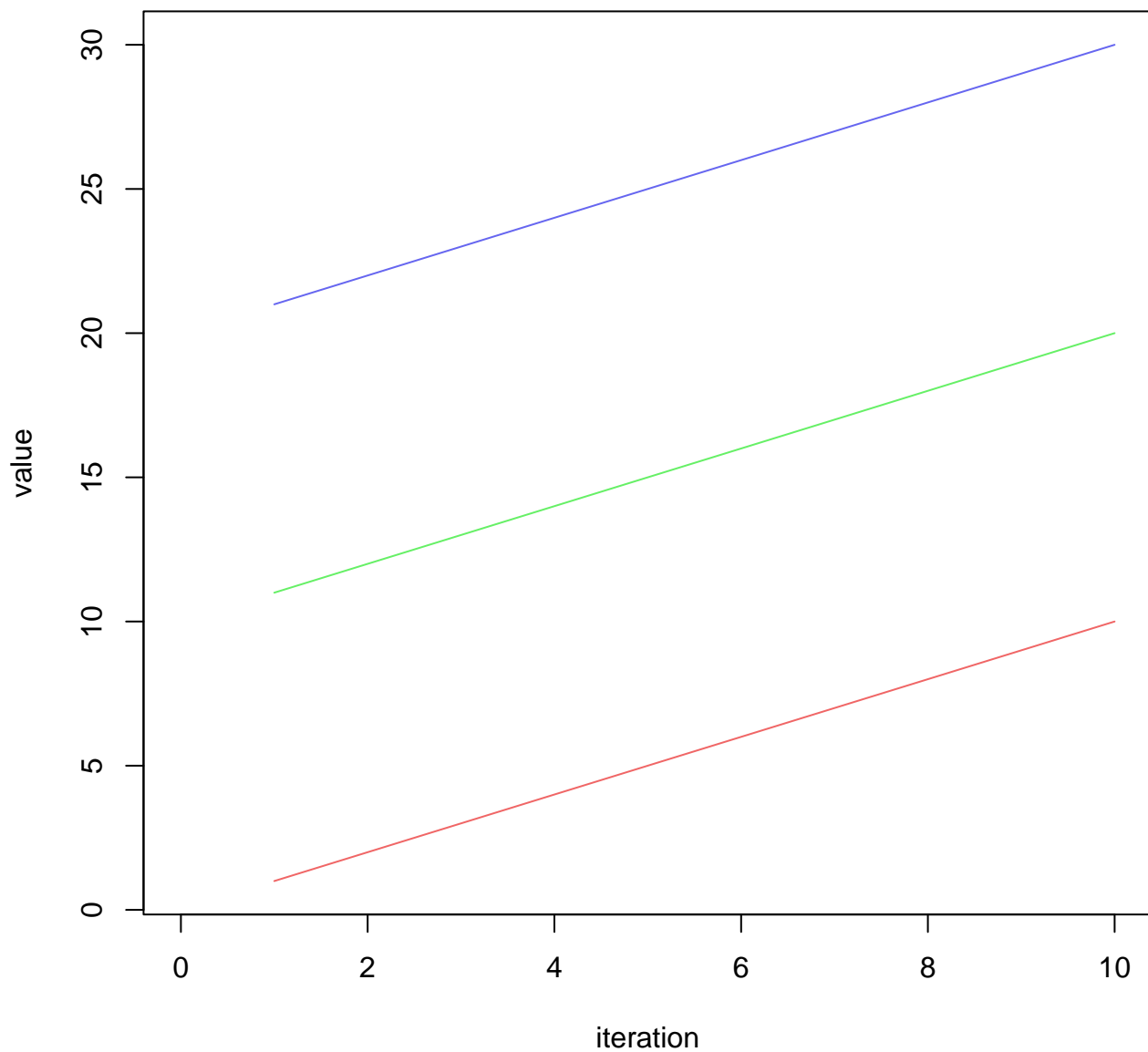
sig_a

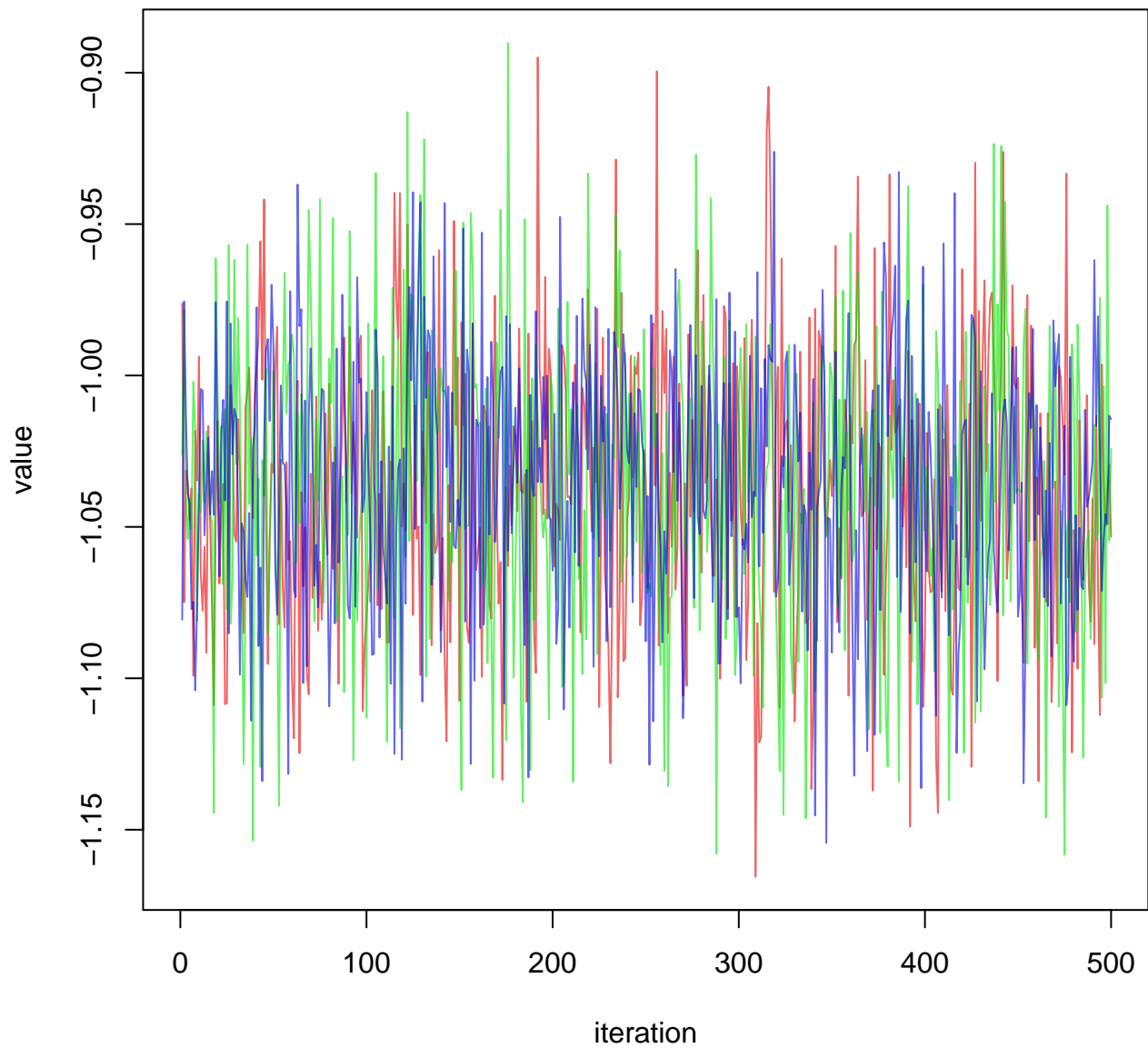


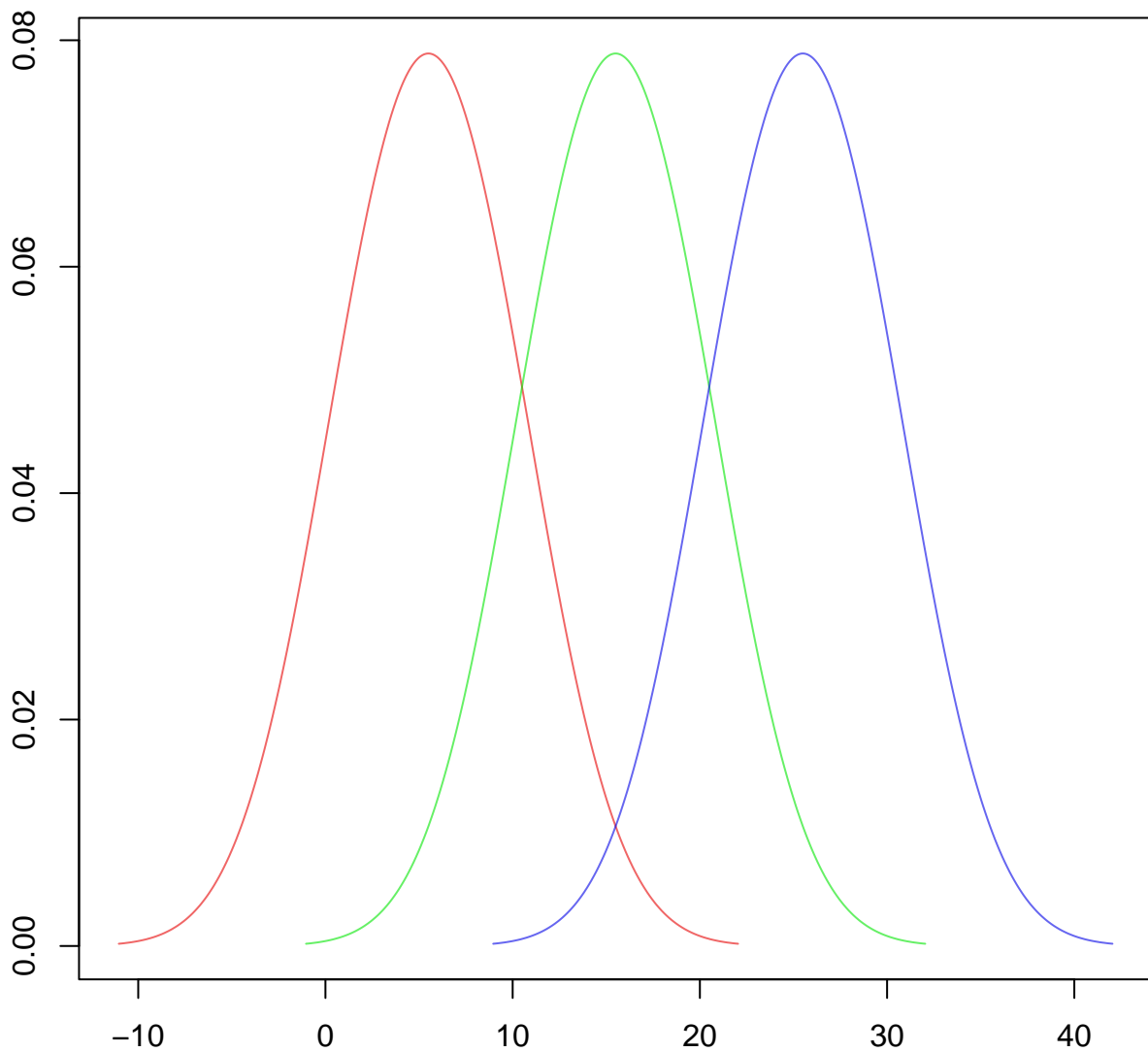
deviance

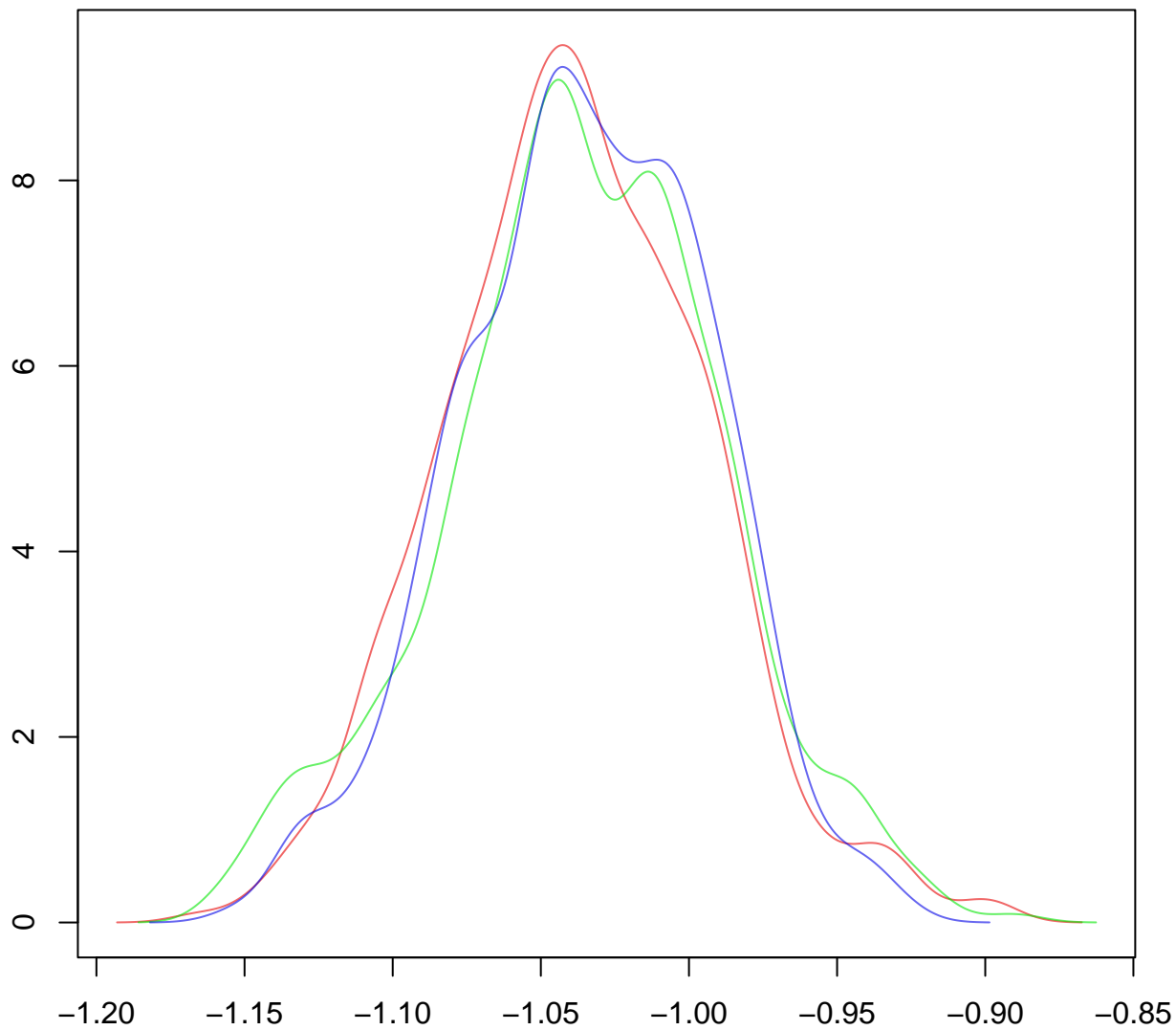


a[1]**a[2]****a[3]**

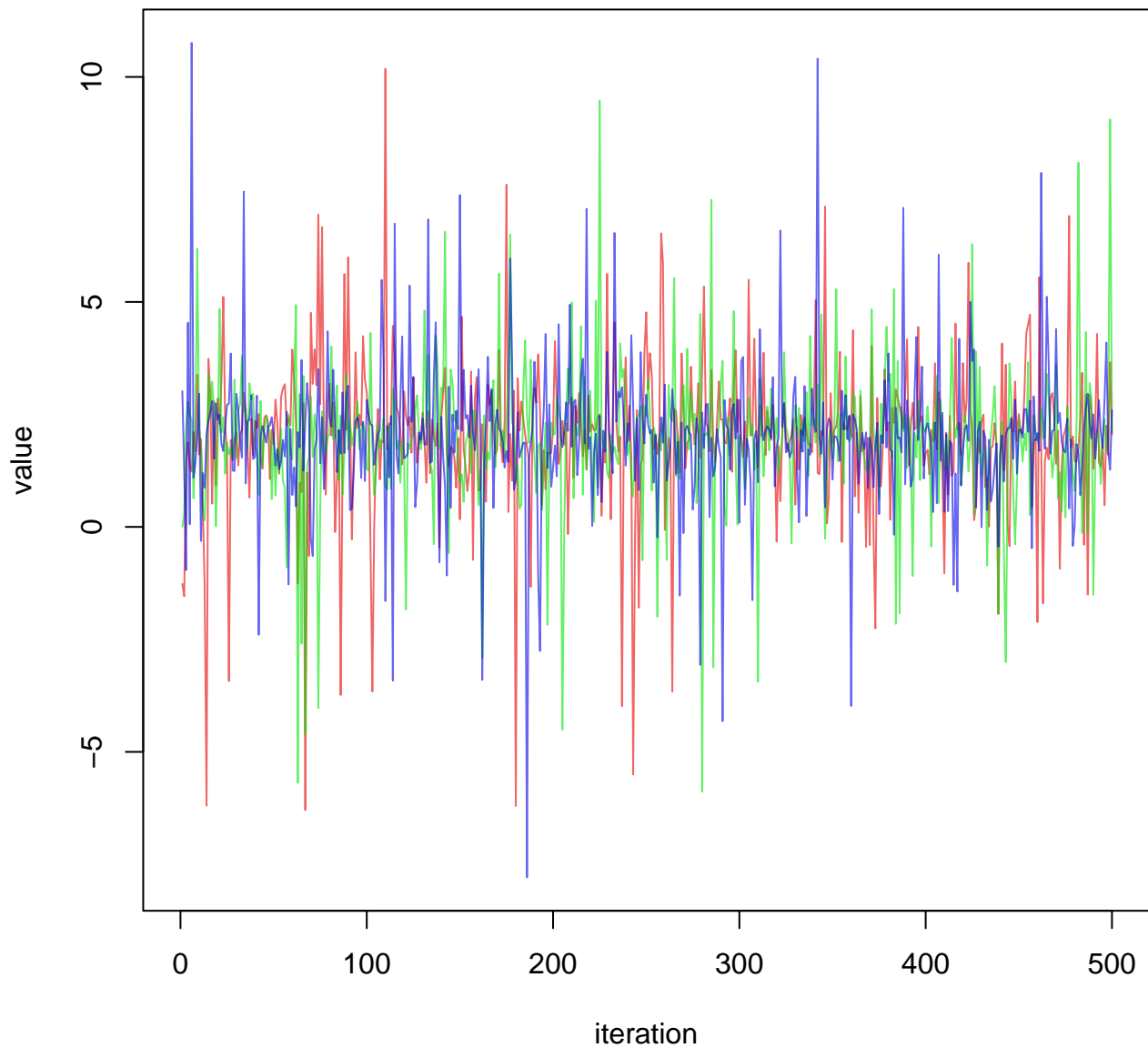




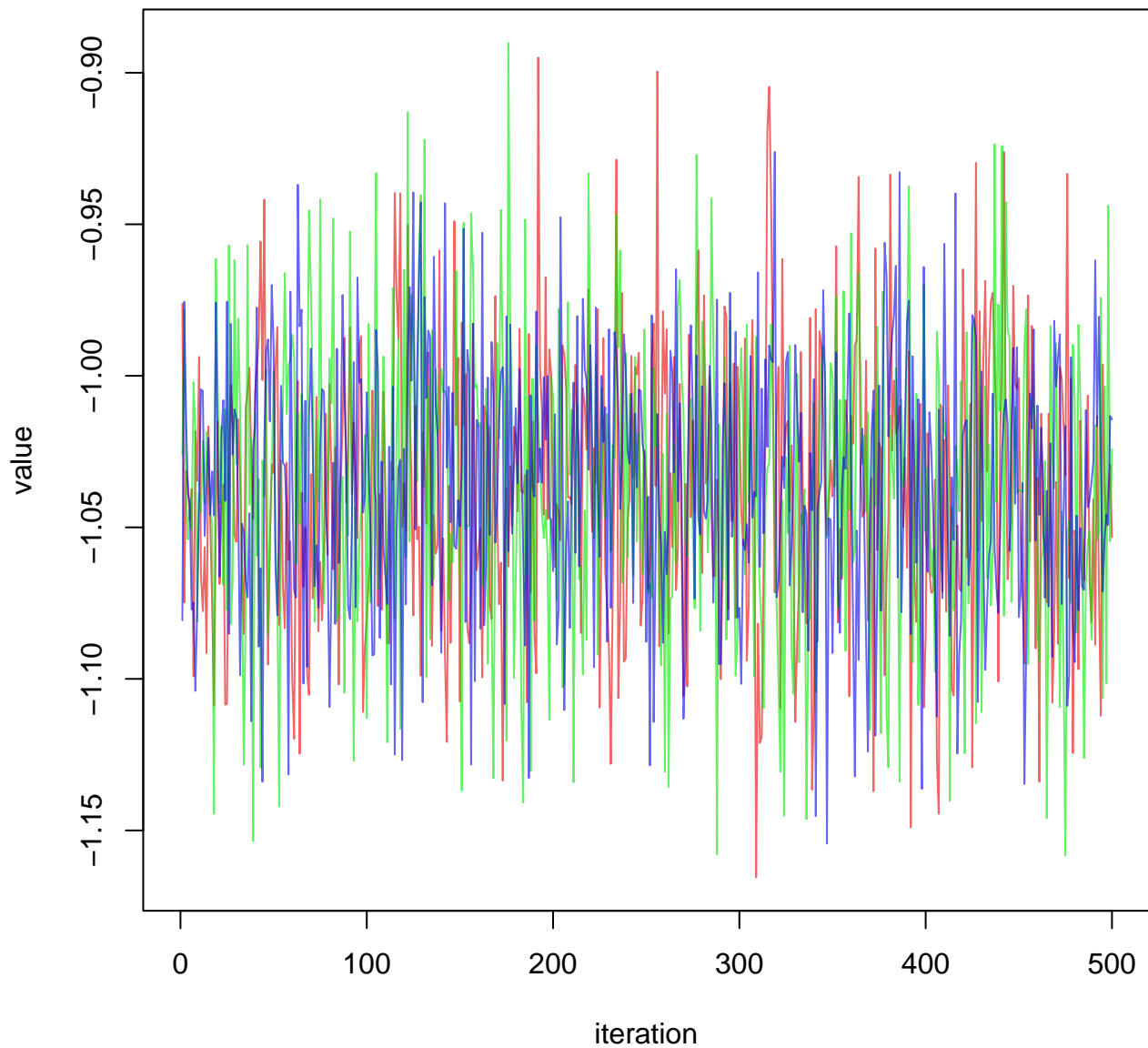




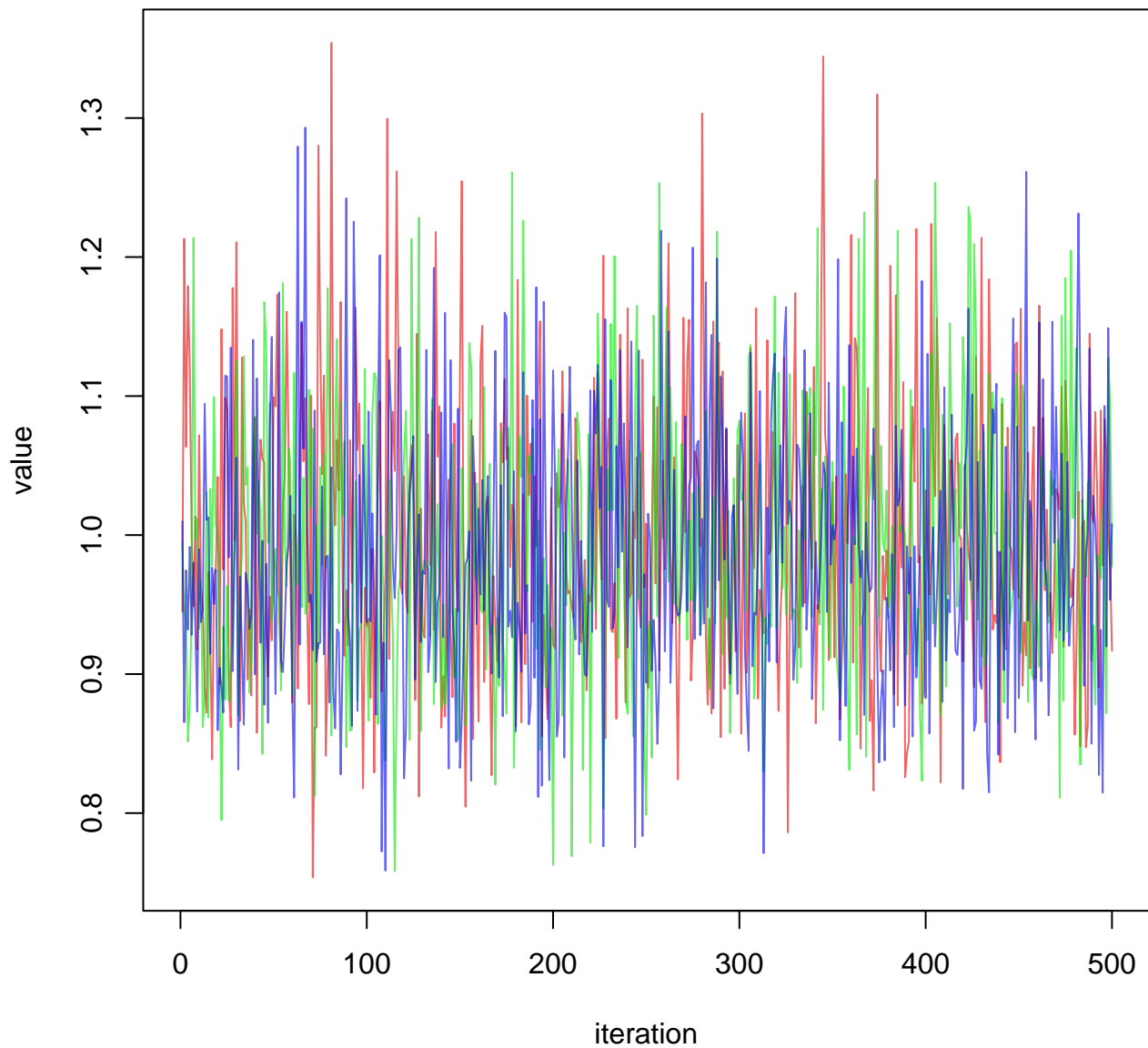
b0



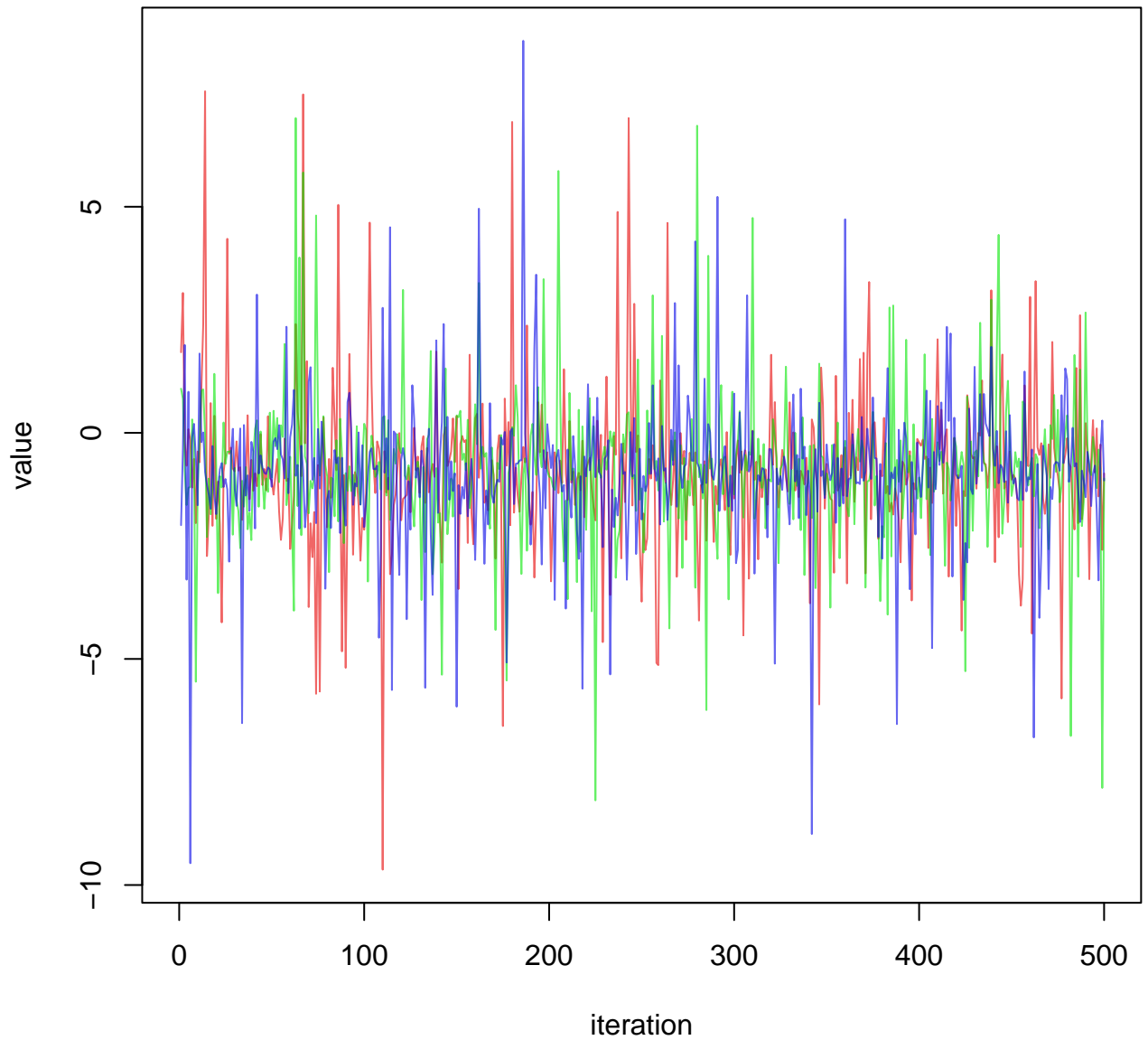
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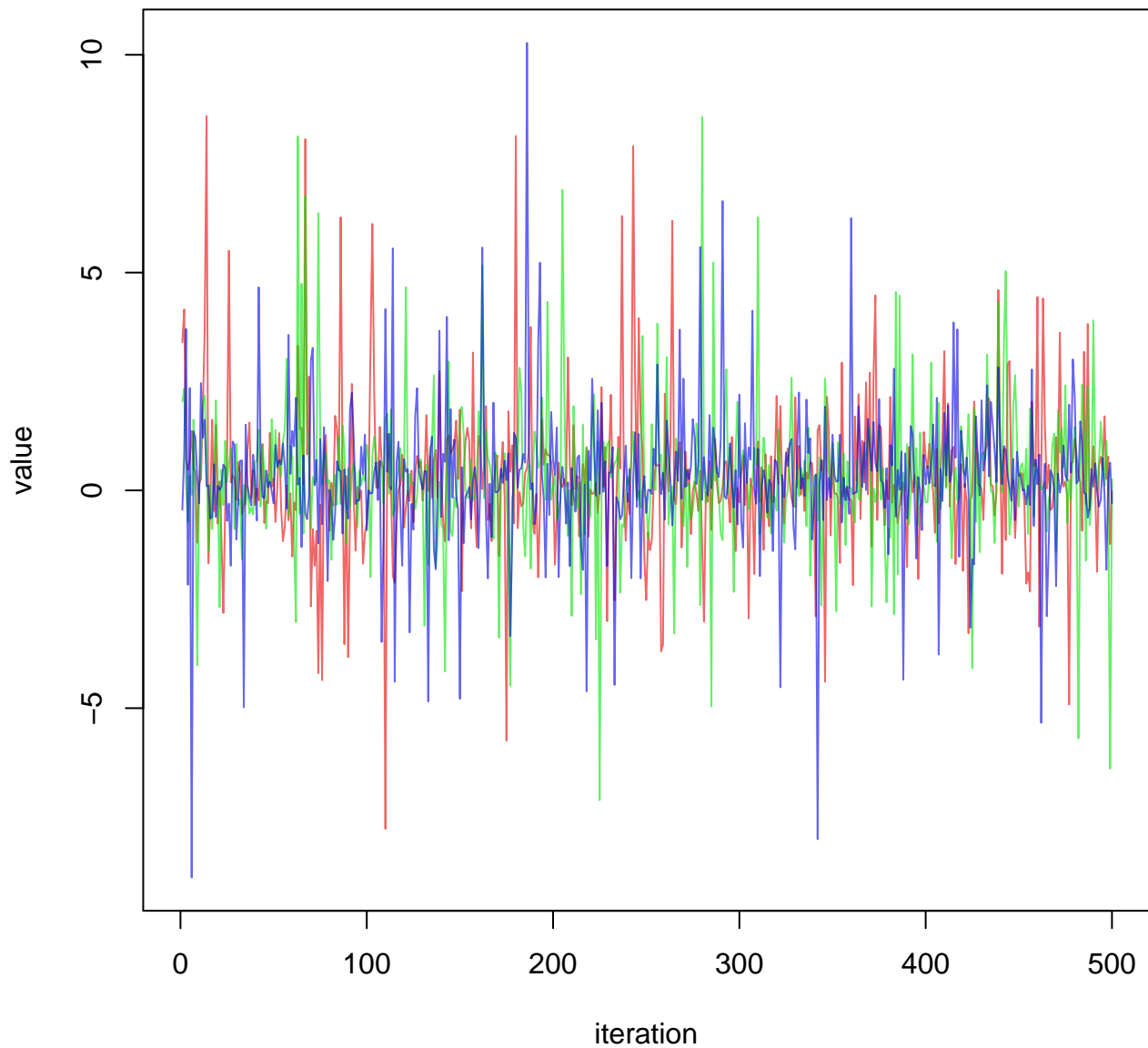
sig



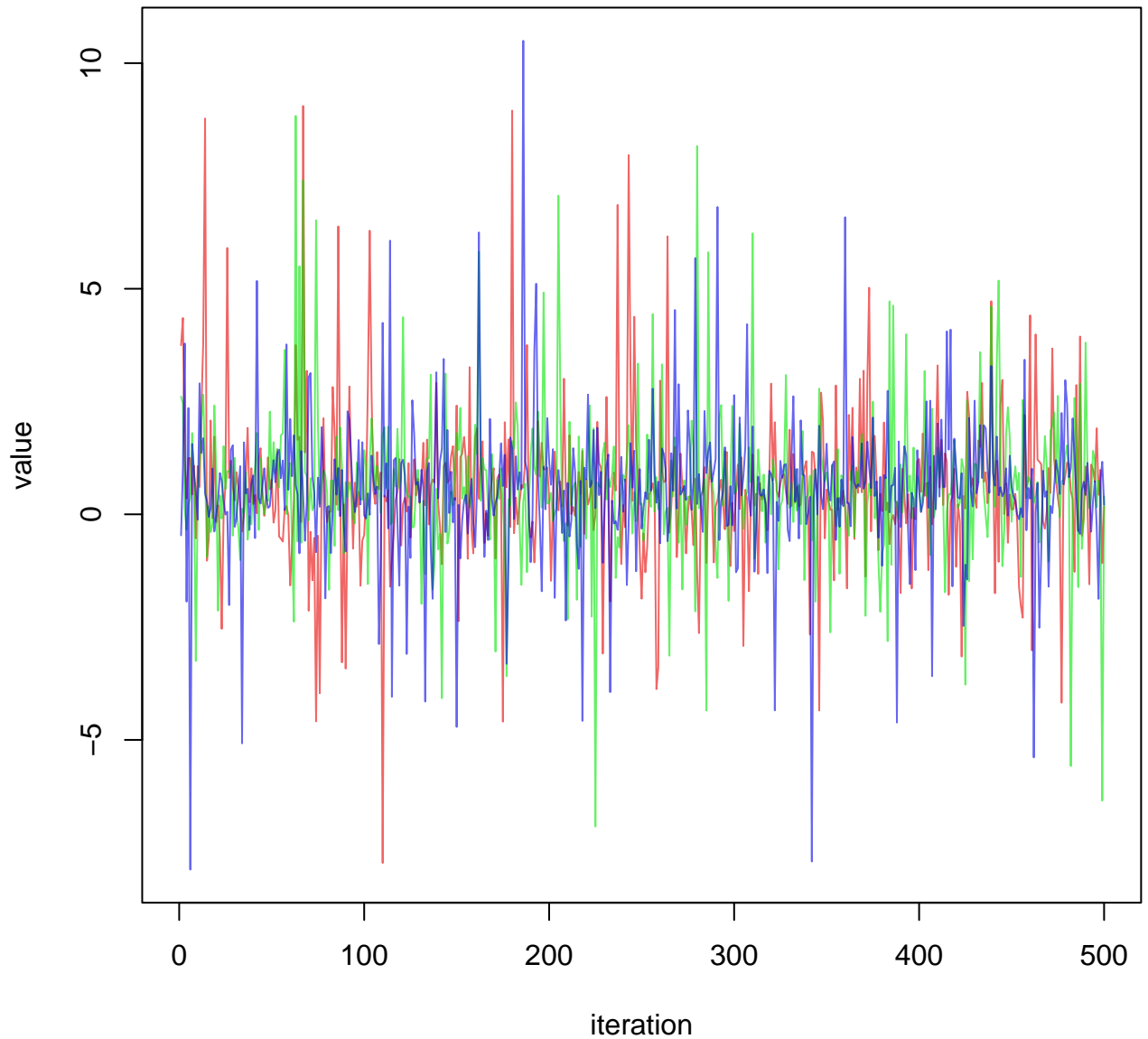
a[1]



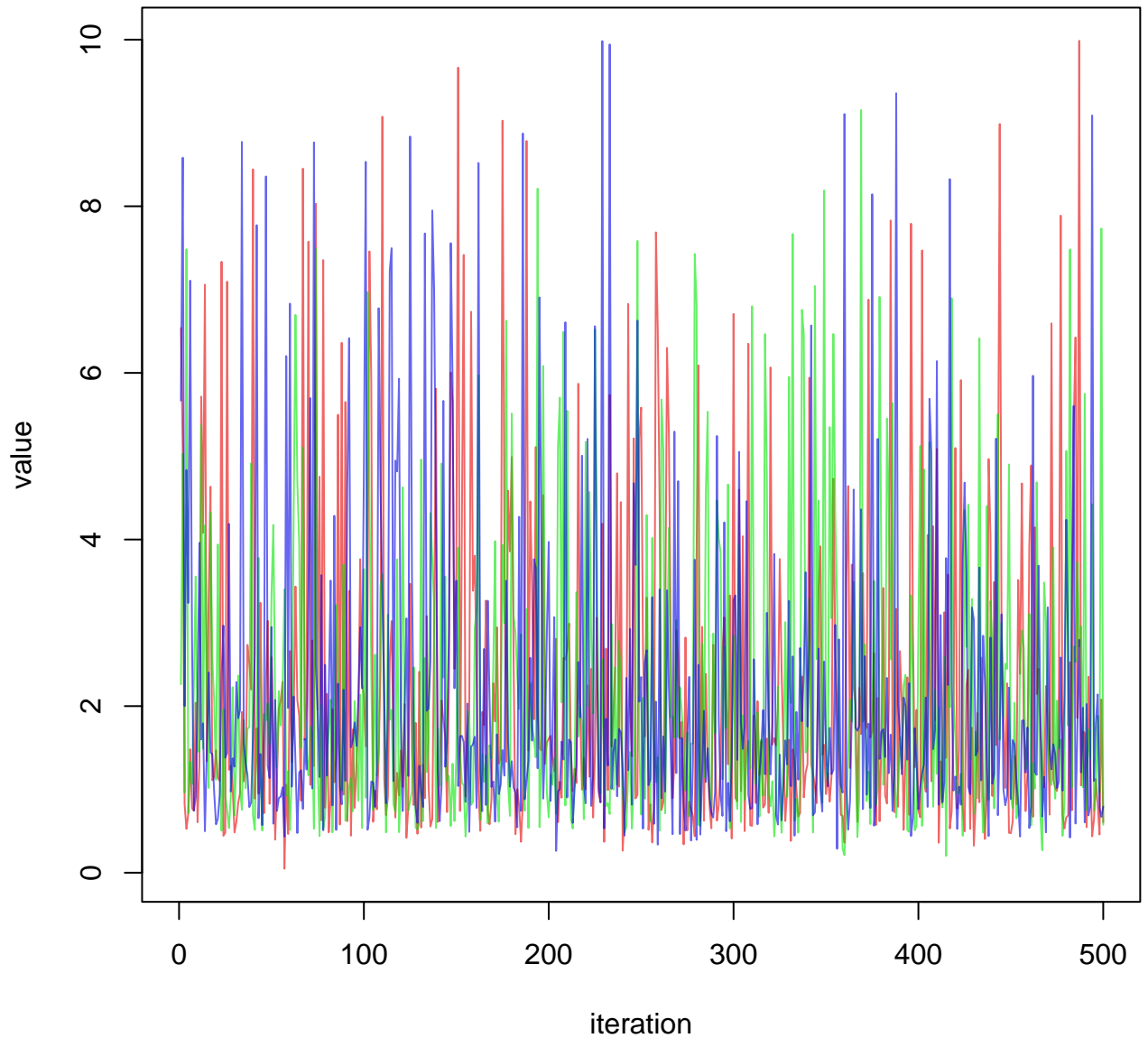
a[2]



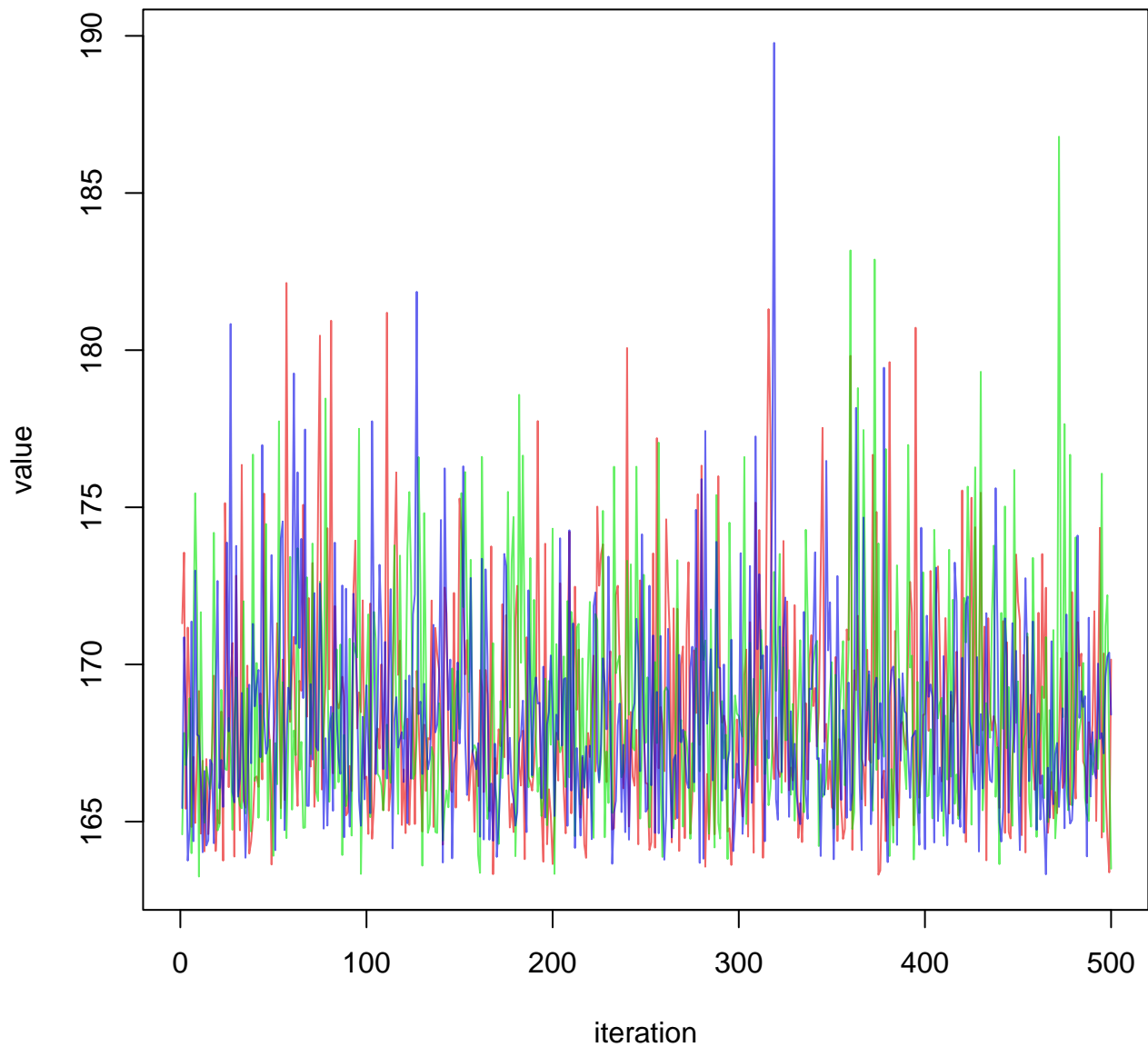
a[3]



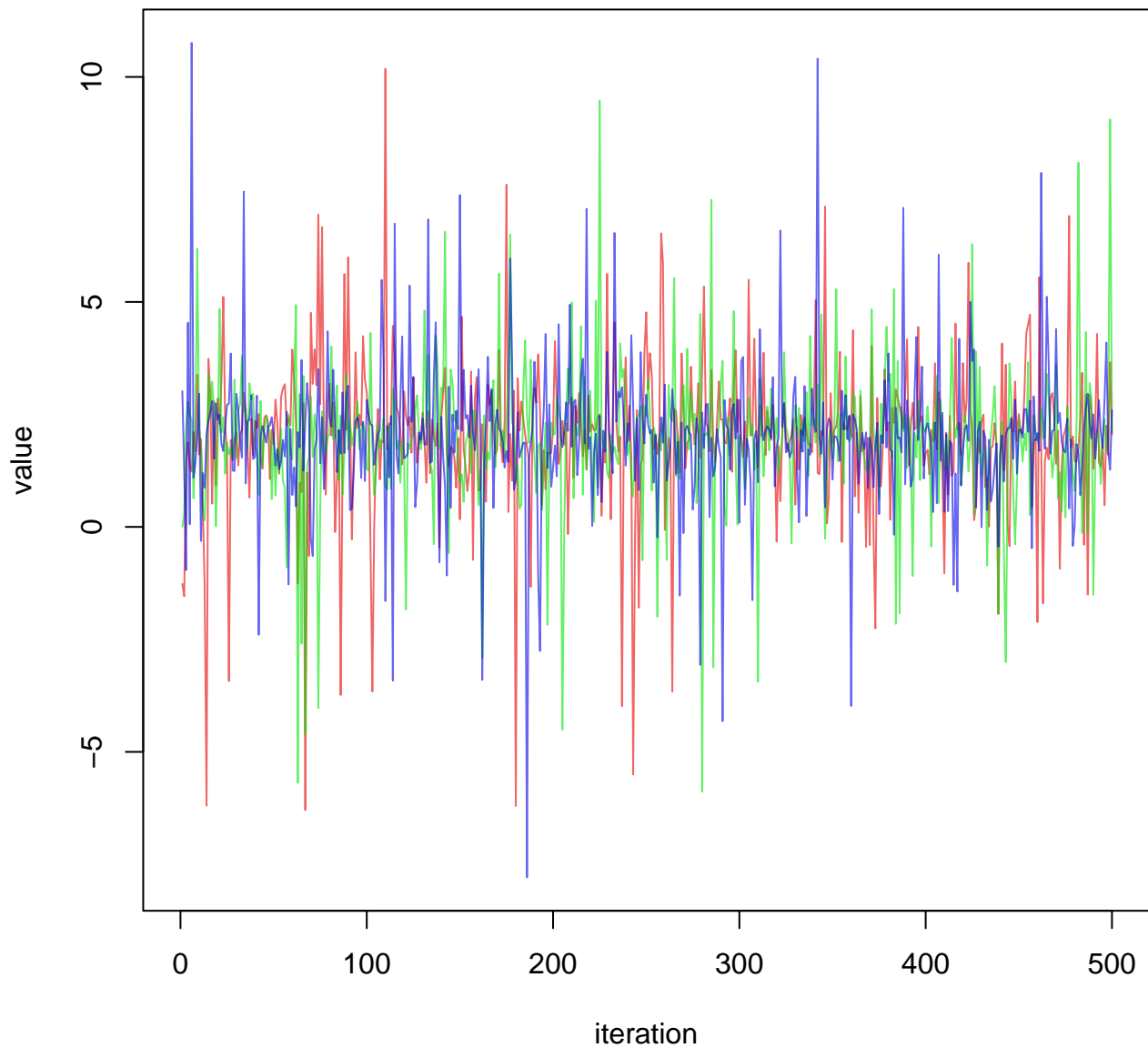
sig_a



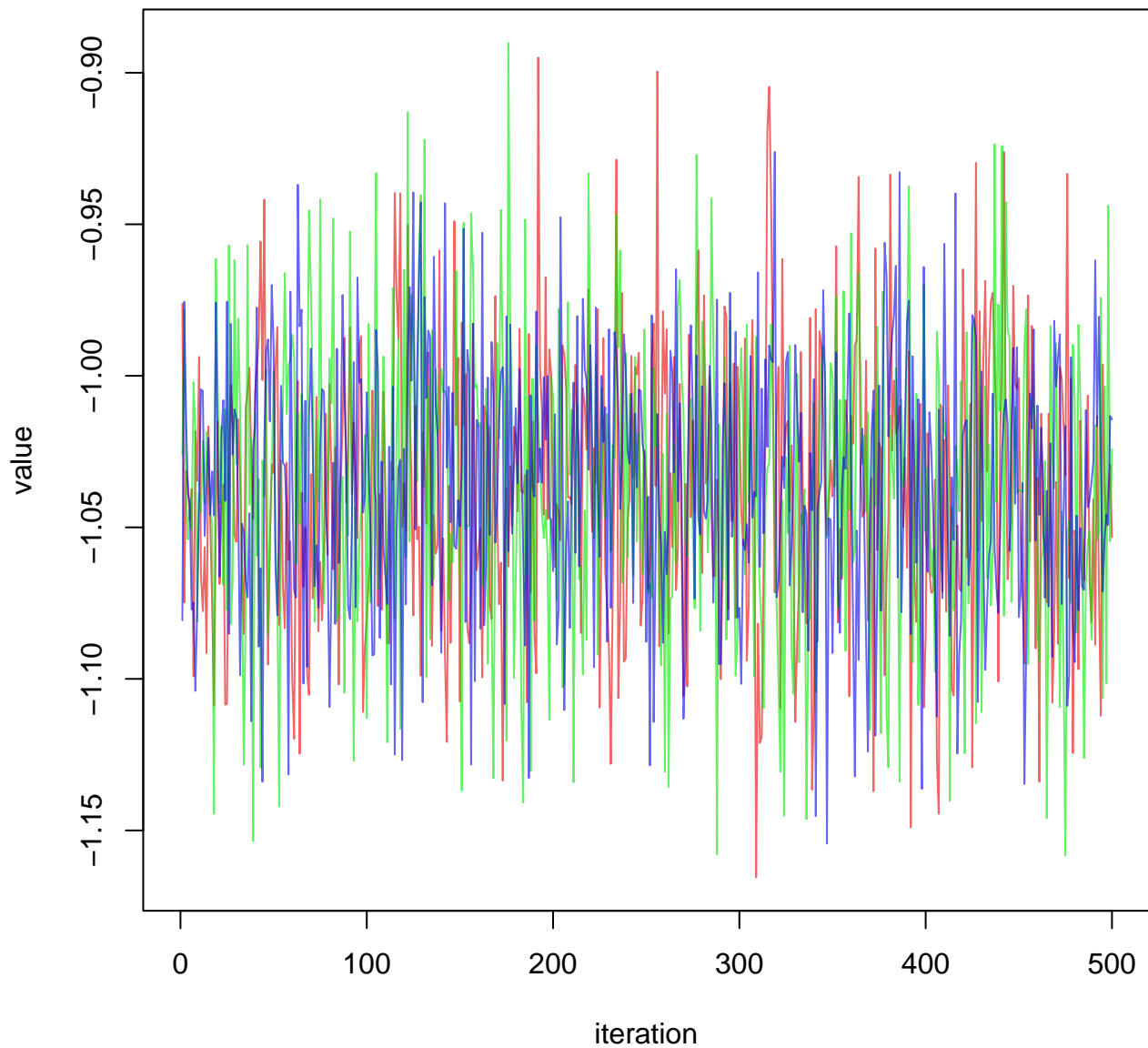
deviance



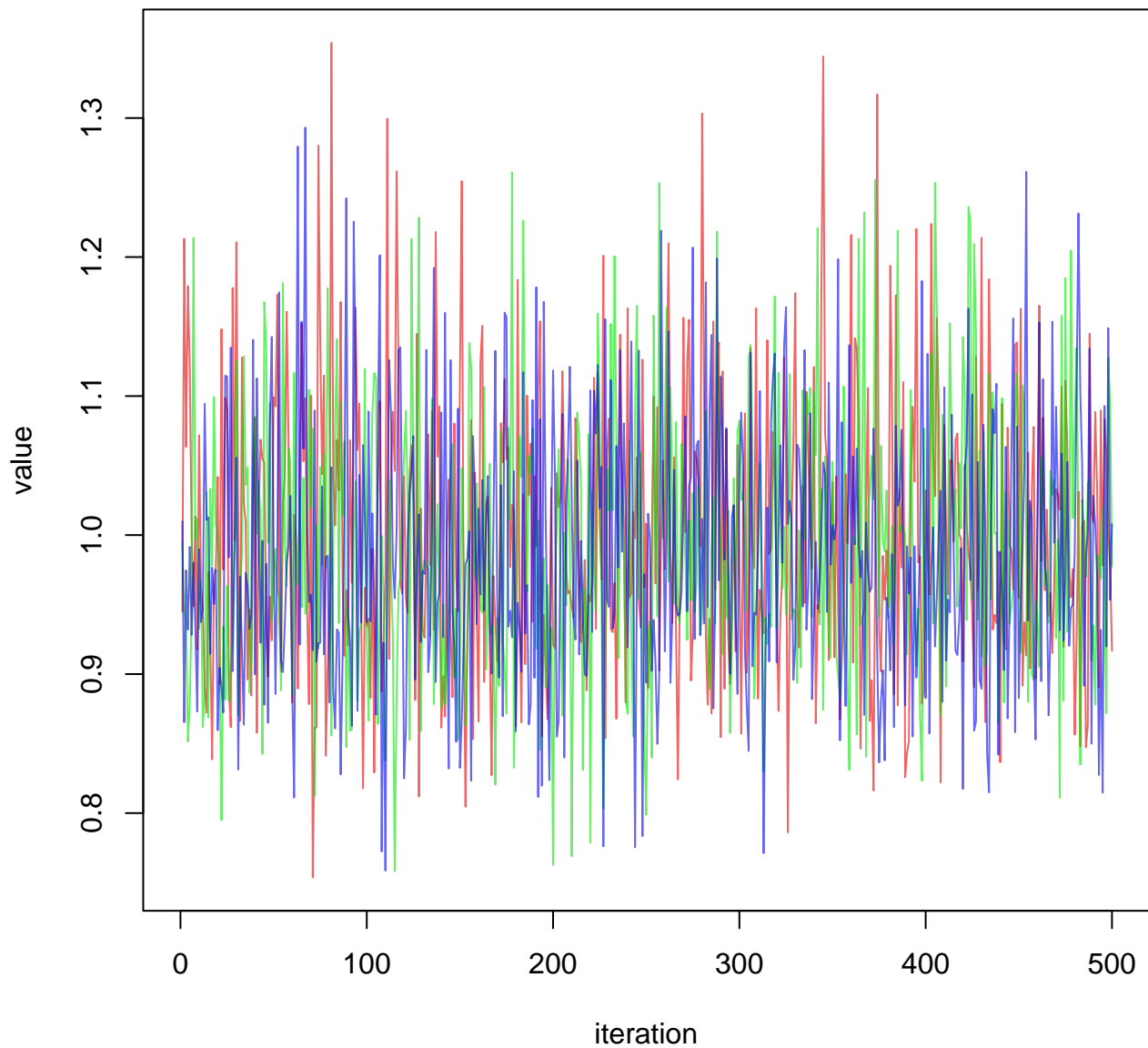
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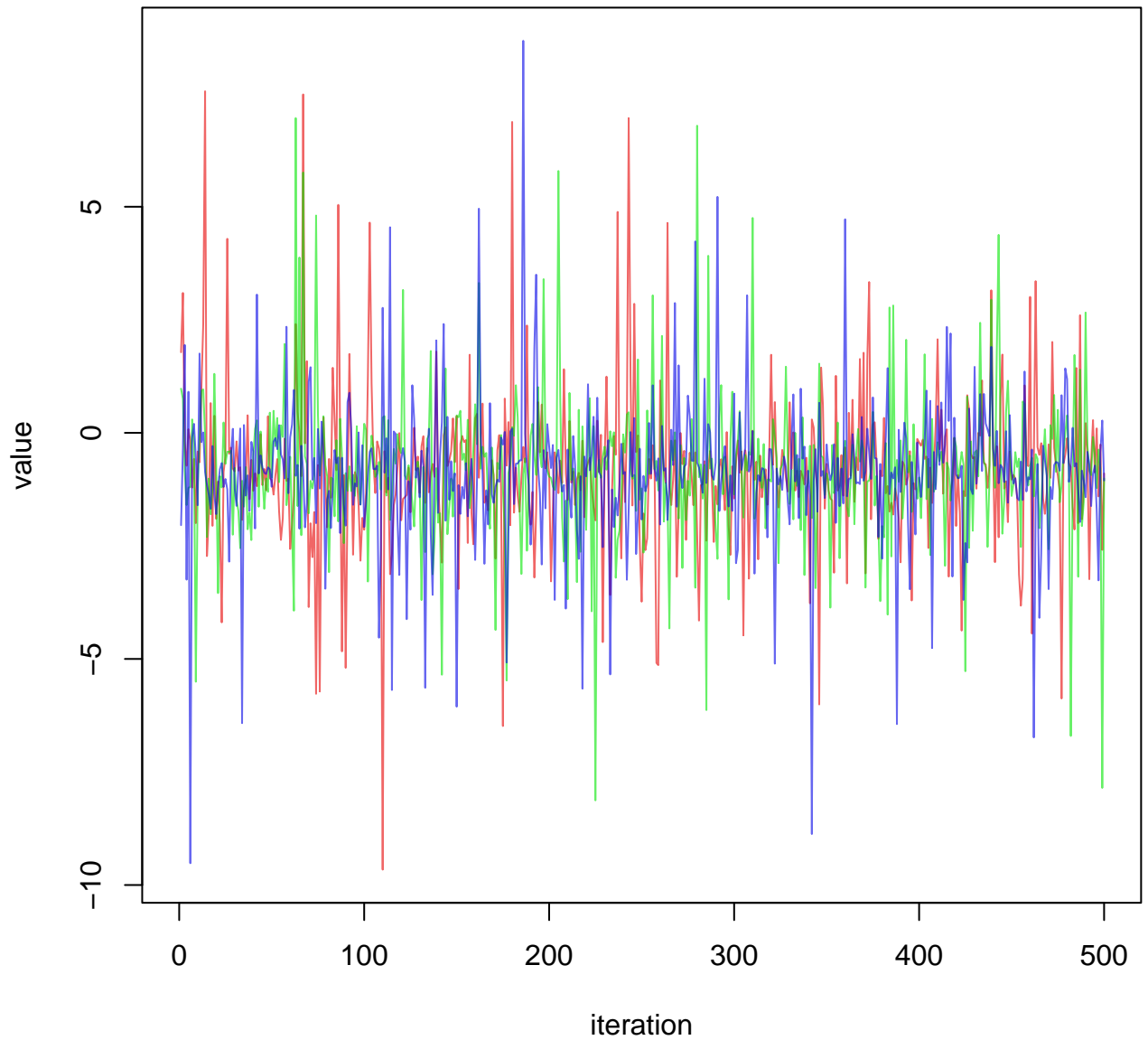
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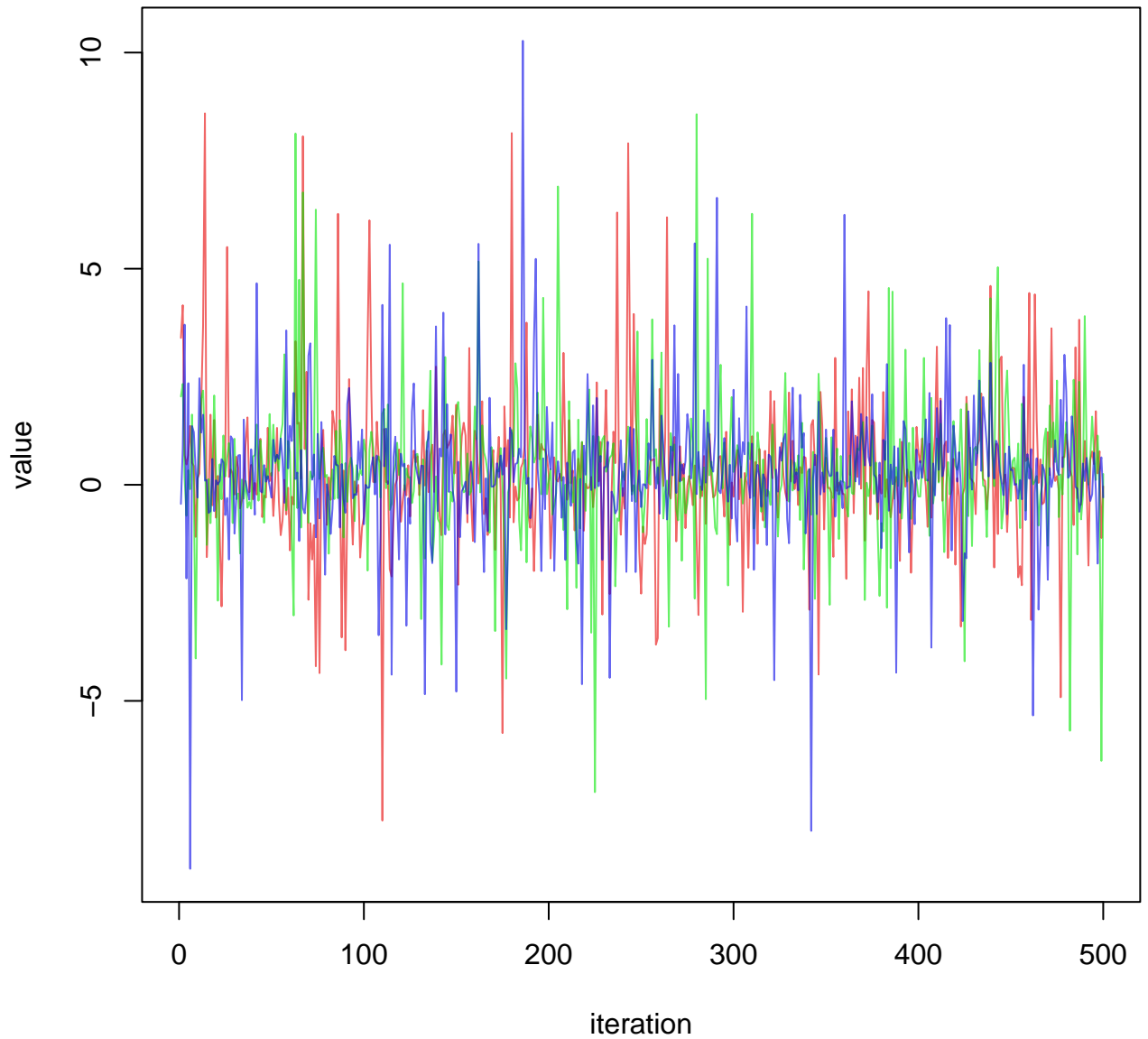
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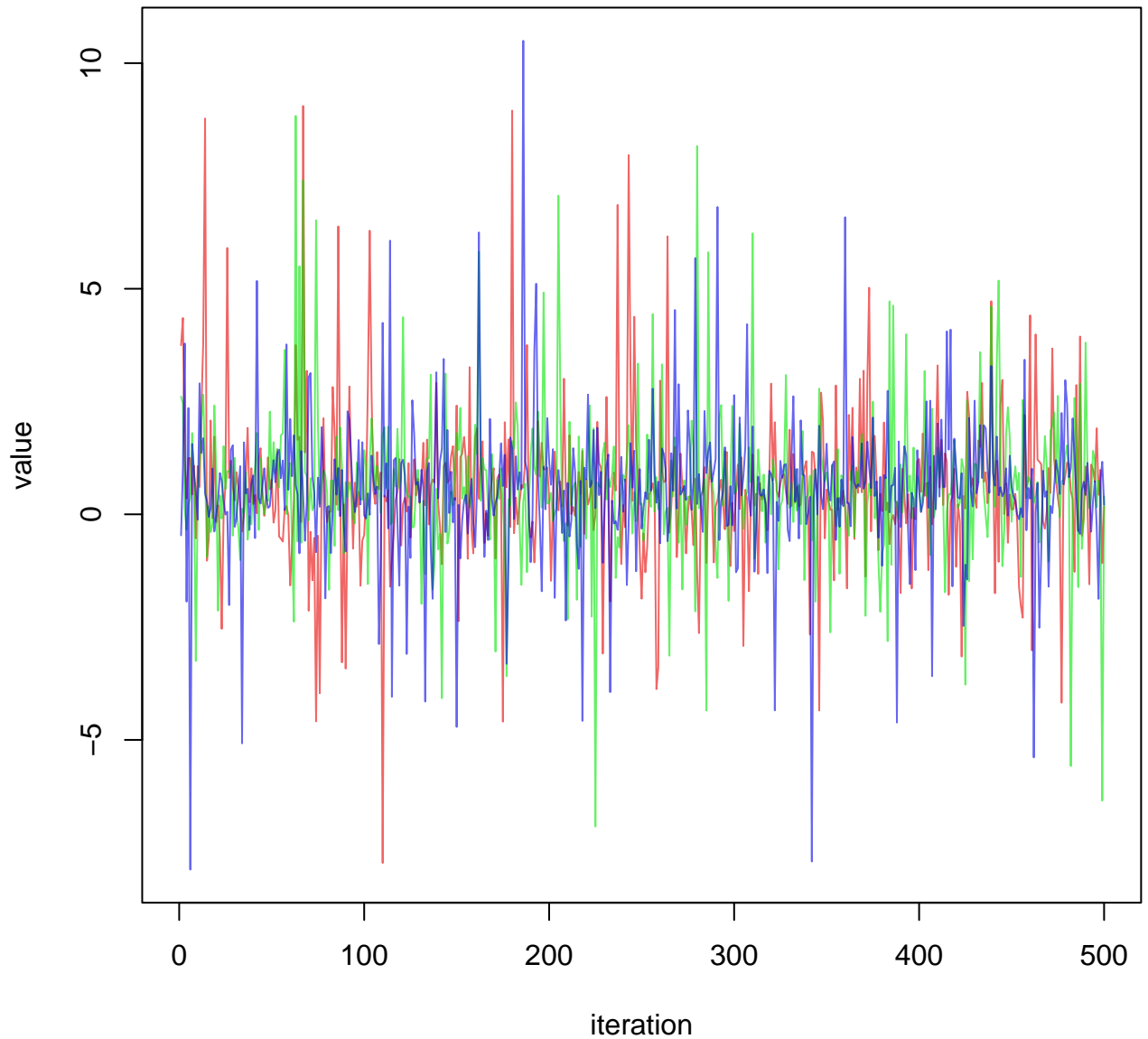
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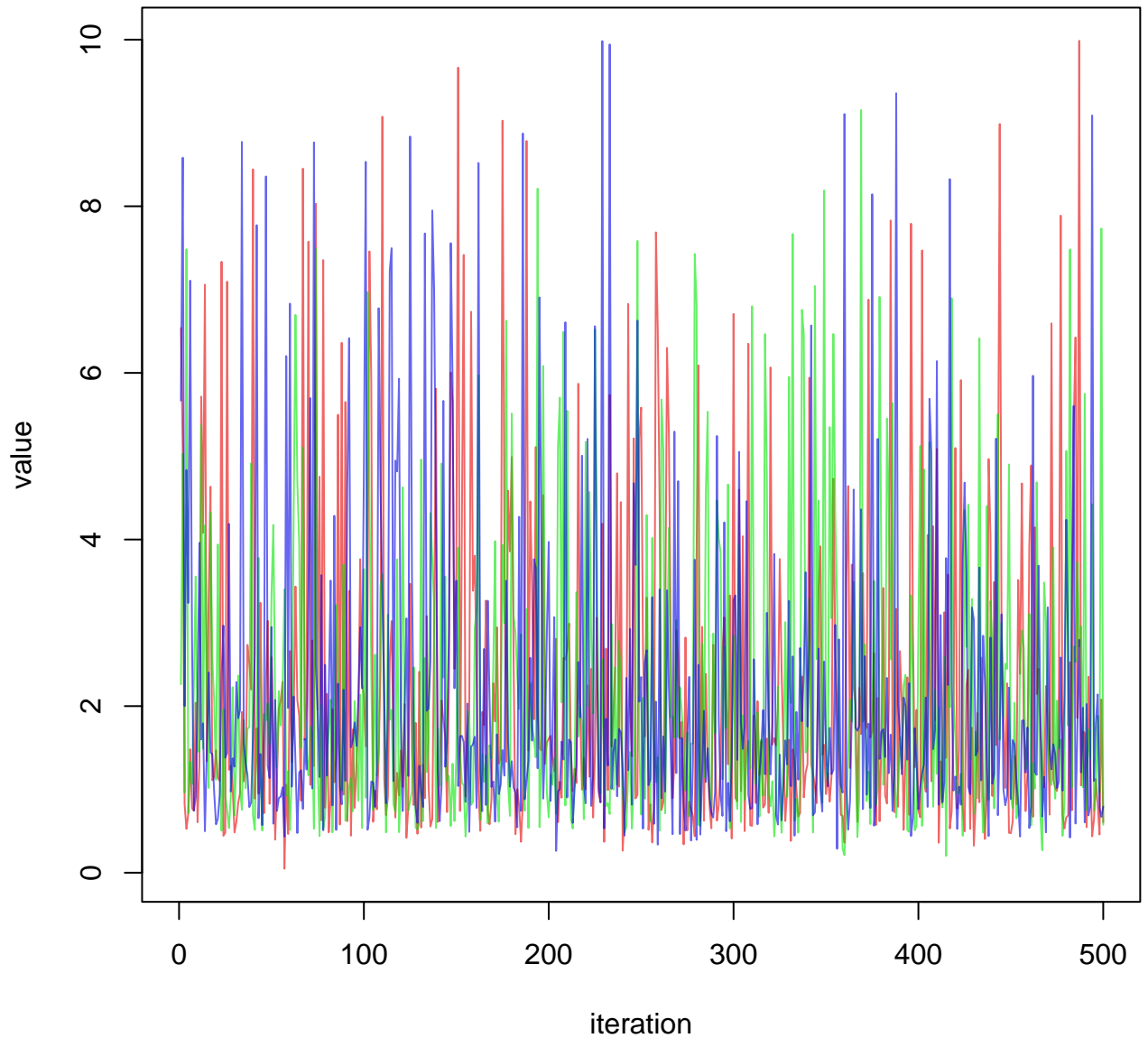
a[2]



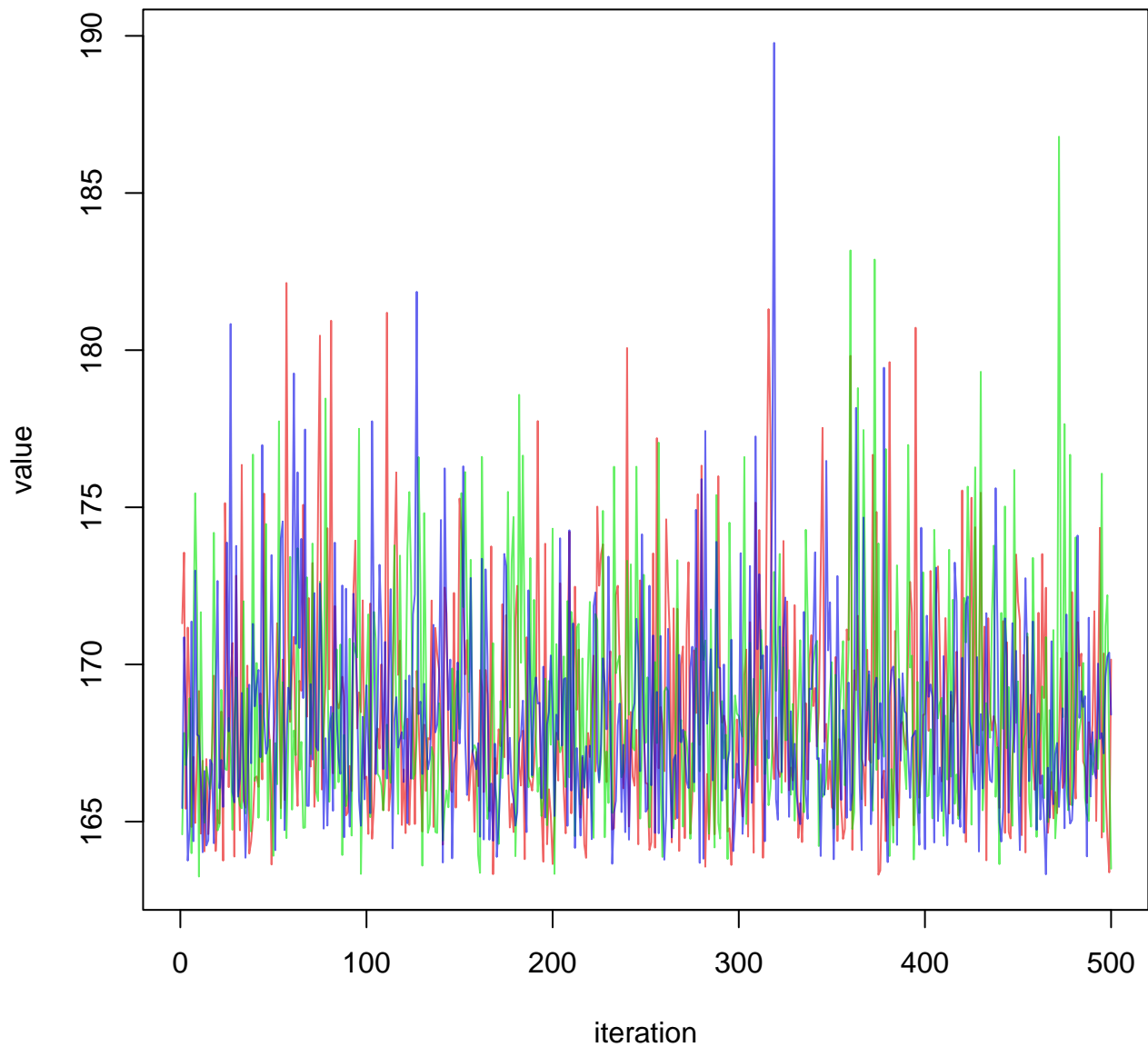
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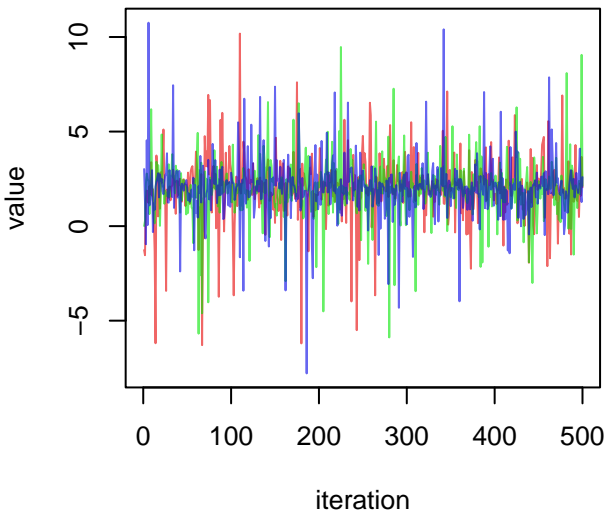
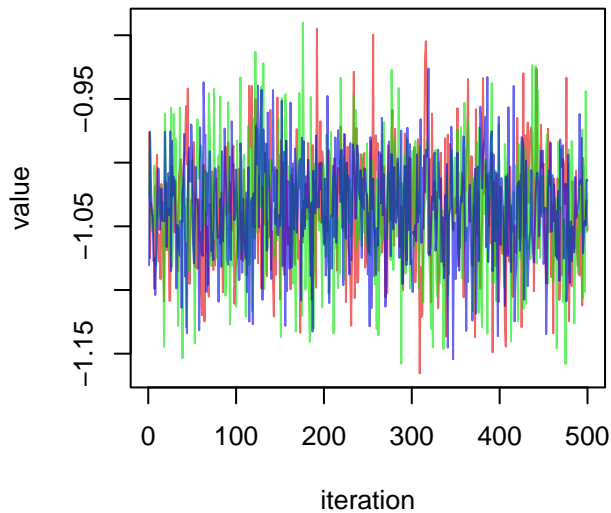
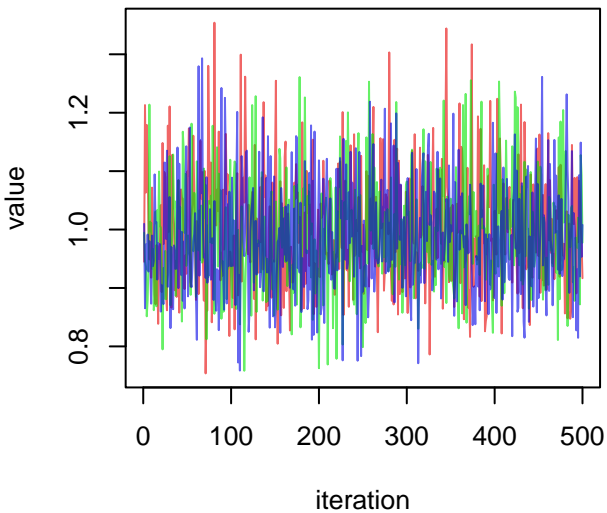
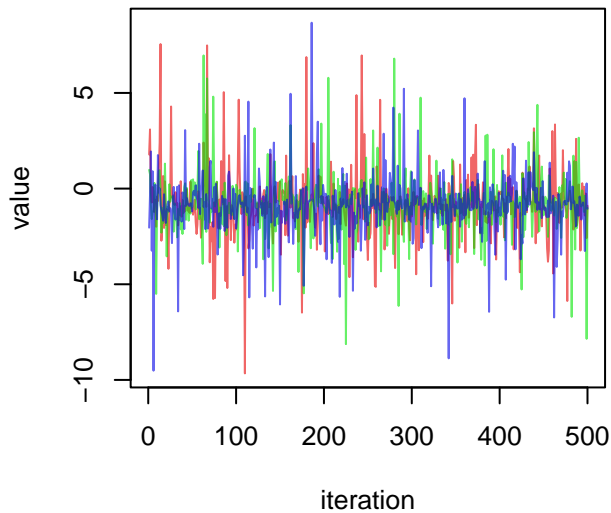


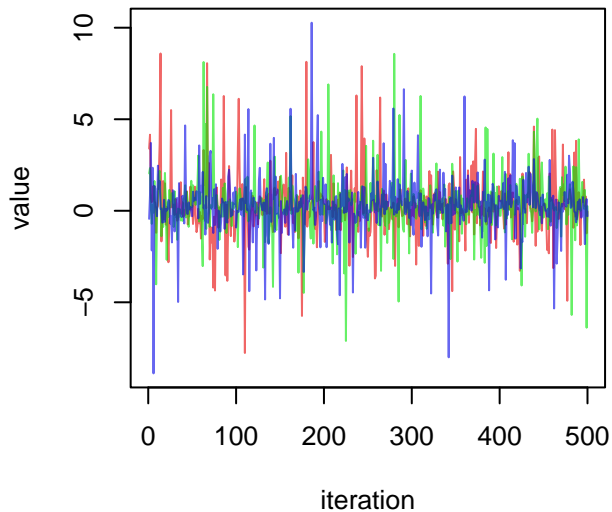
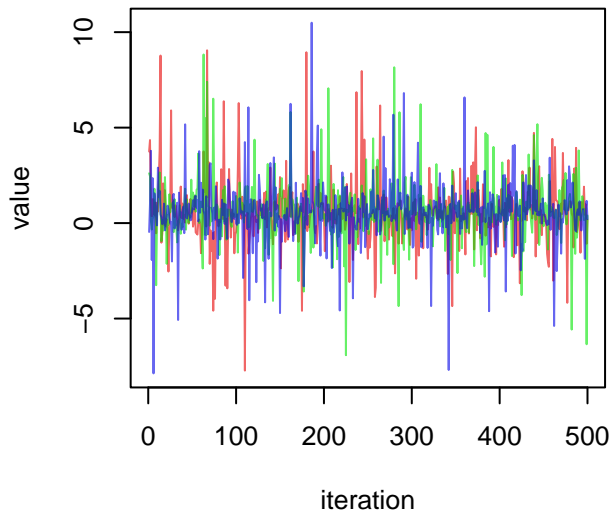
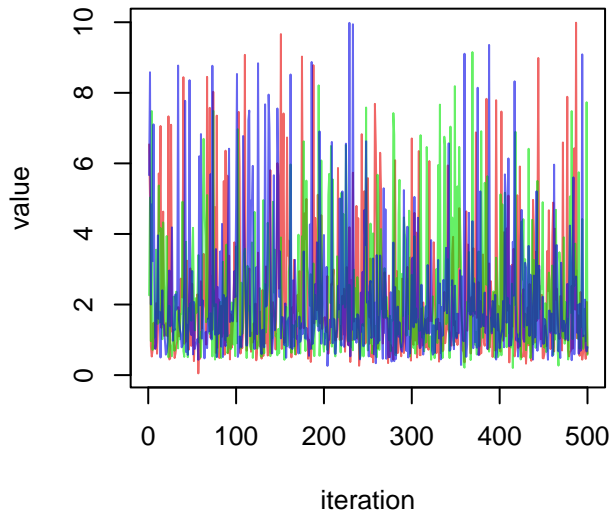
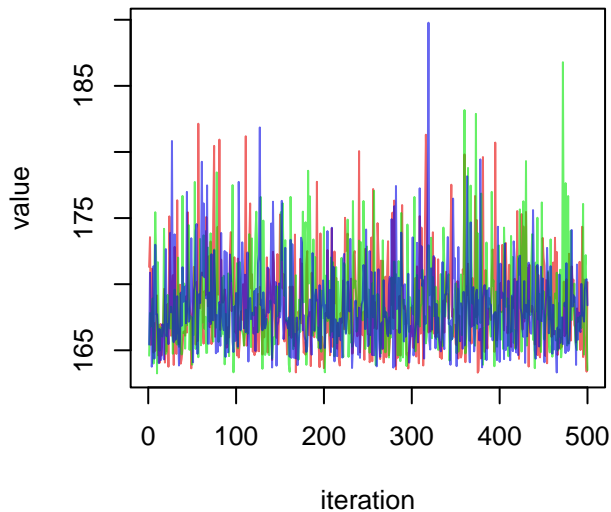
sig_a



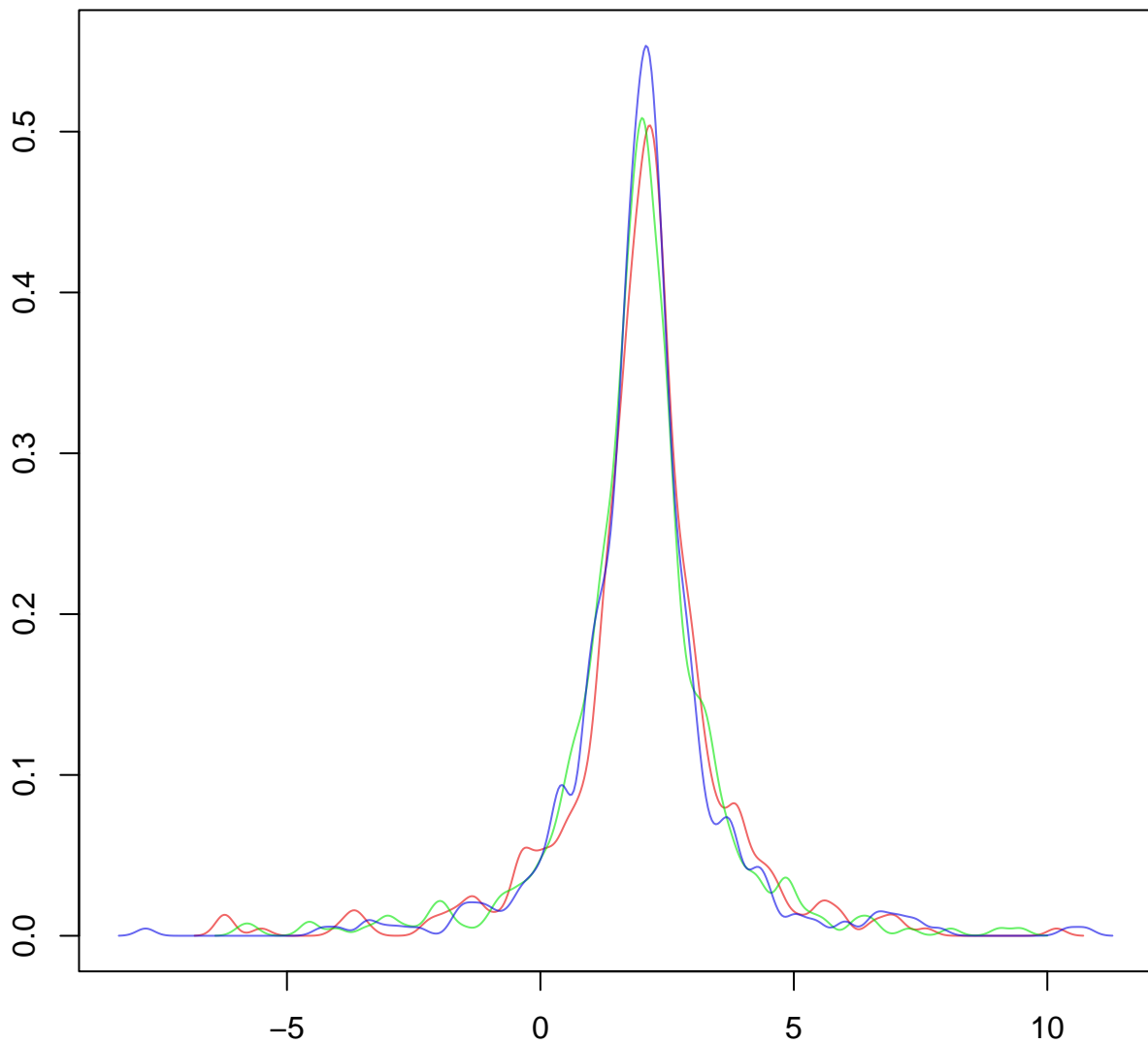
deviance



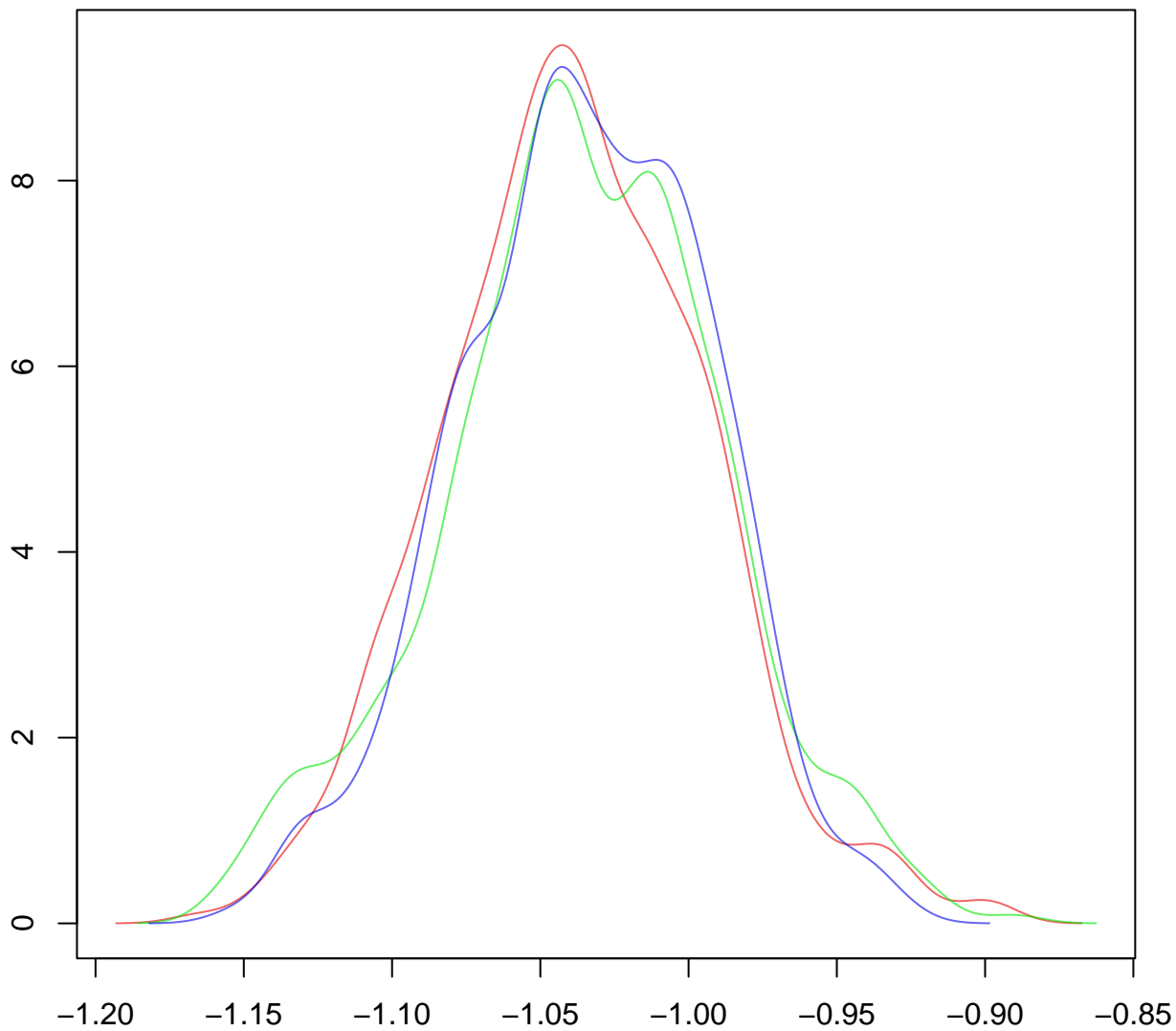
b0**b1****sig****a[1]**

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

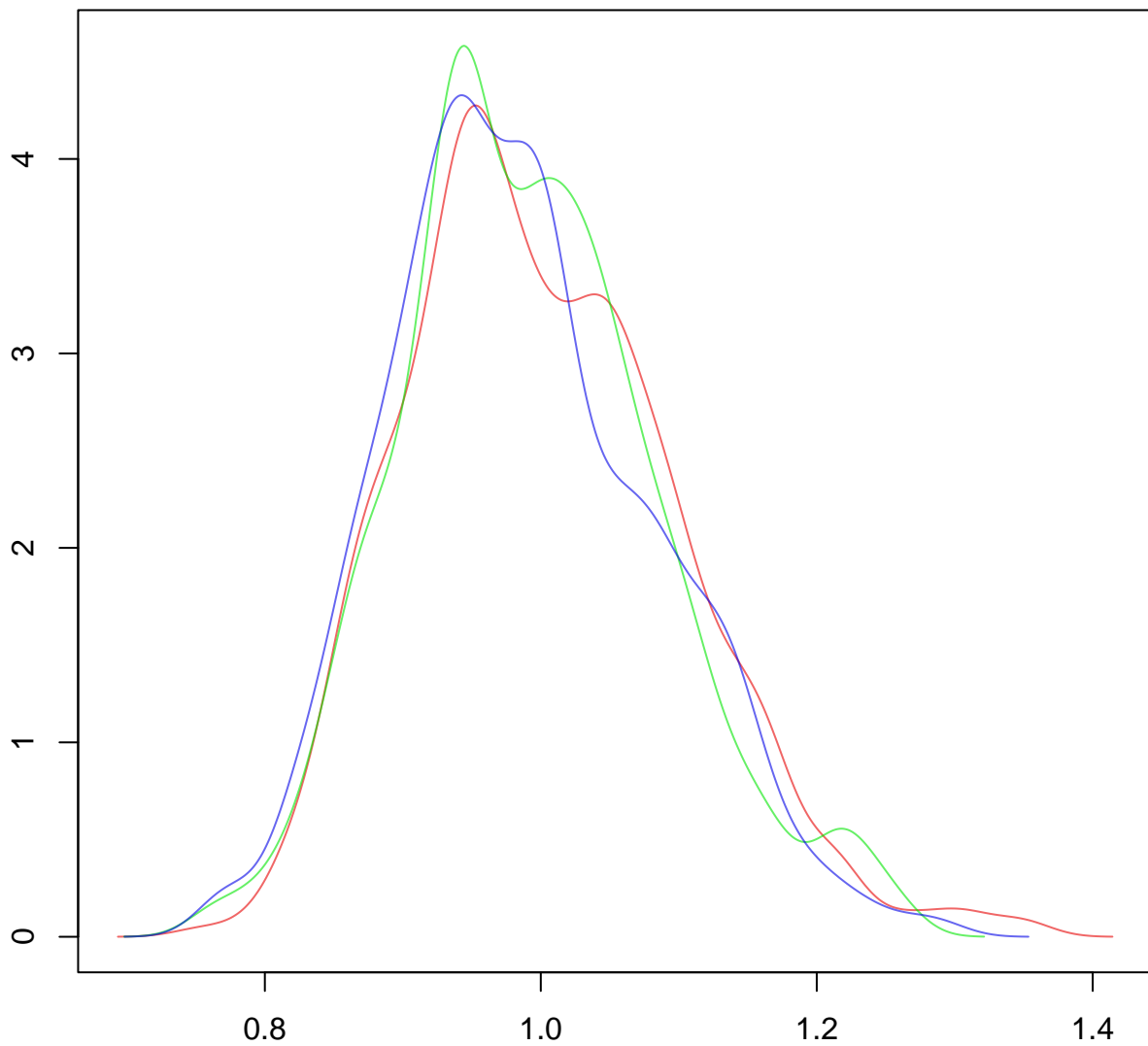
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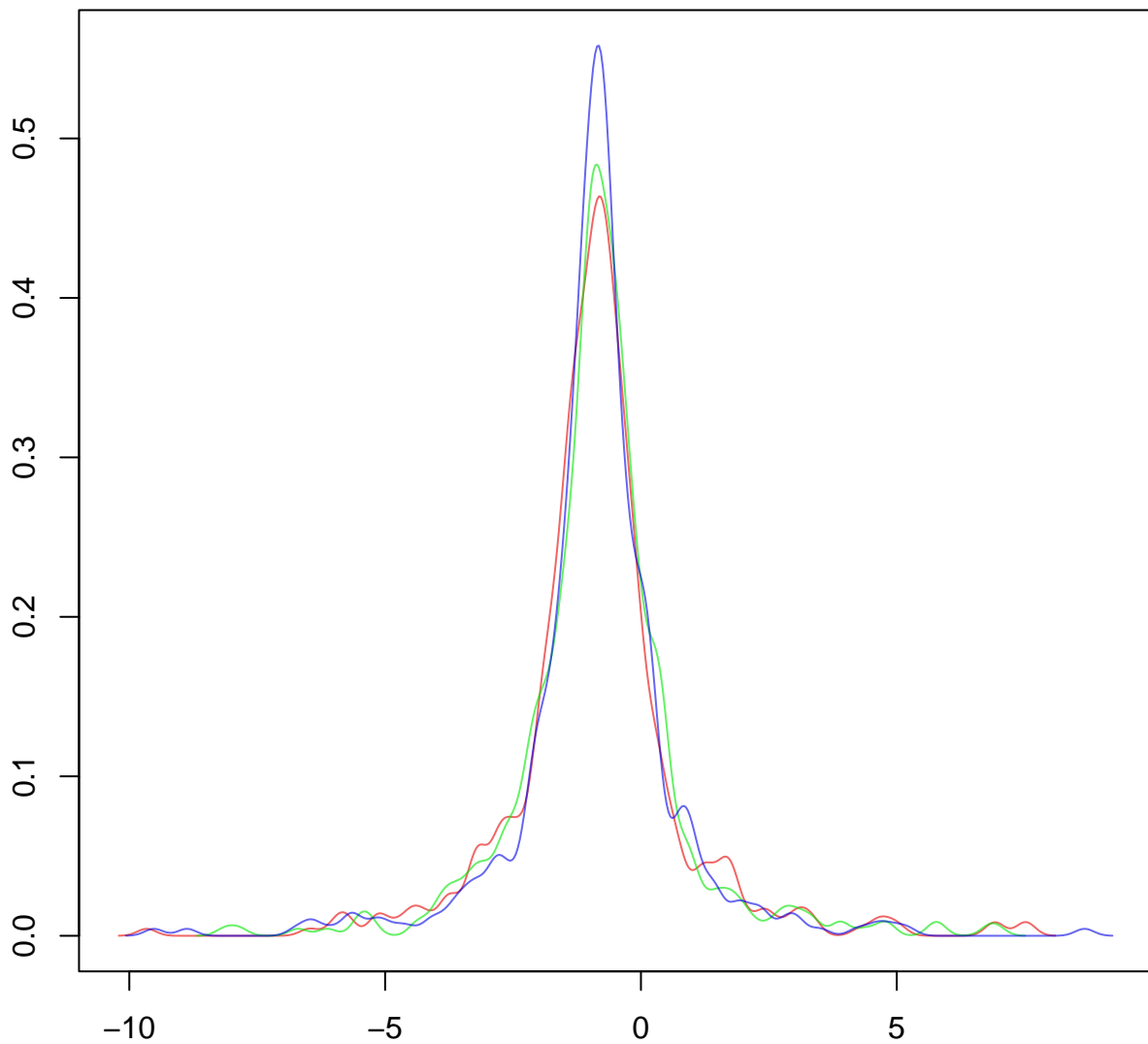
b1



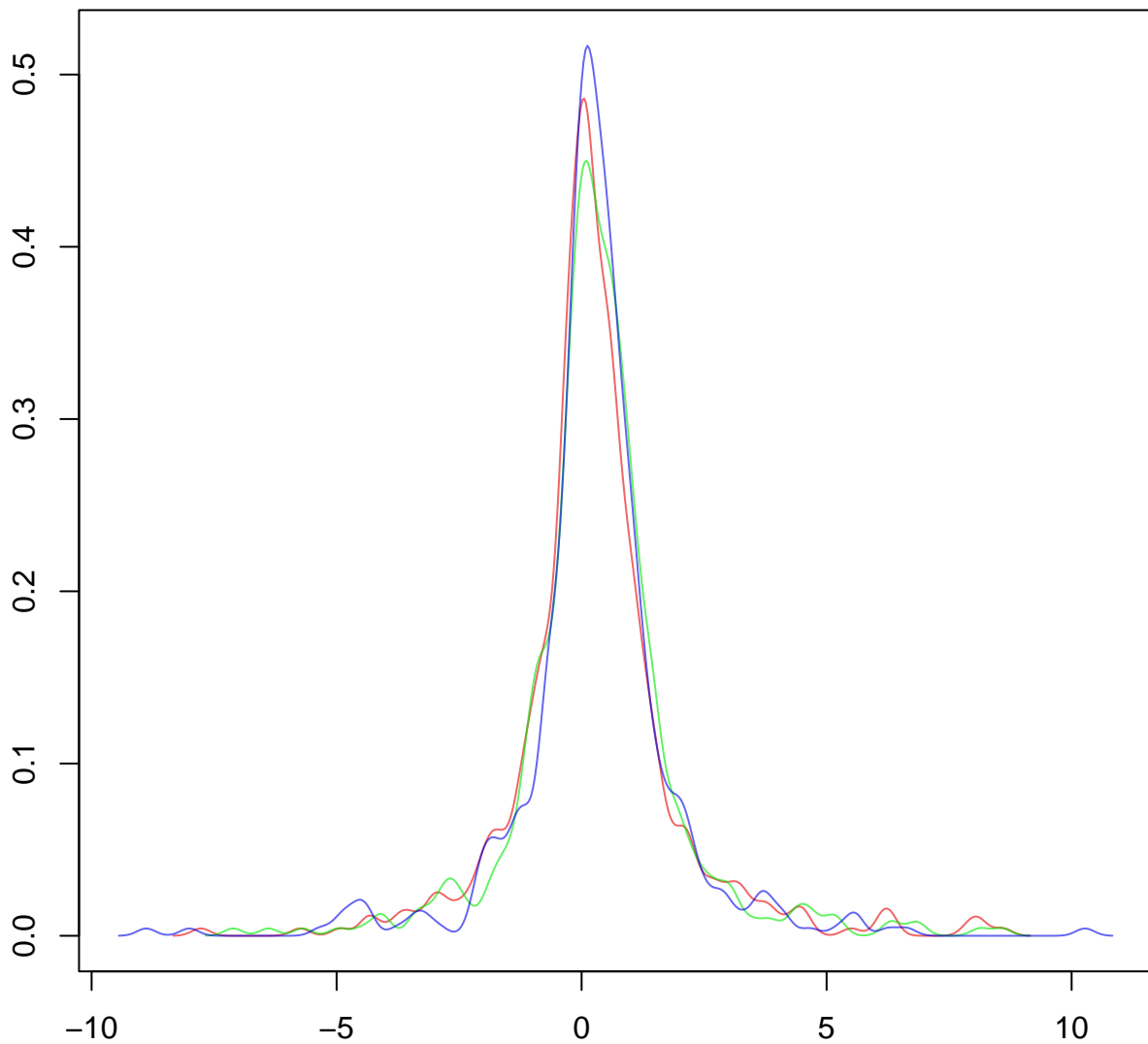
sig



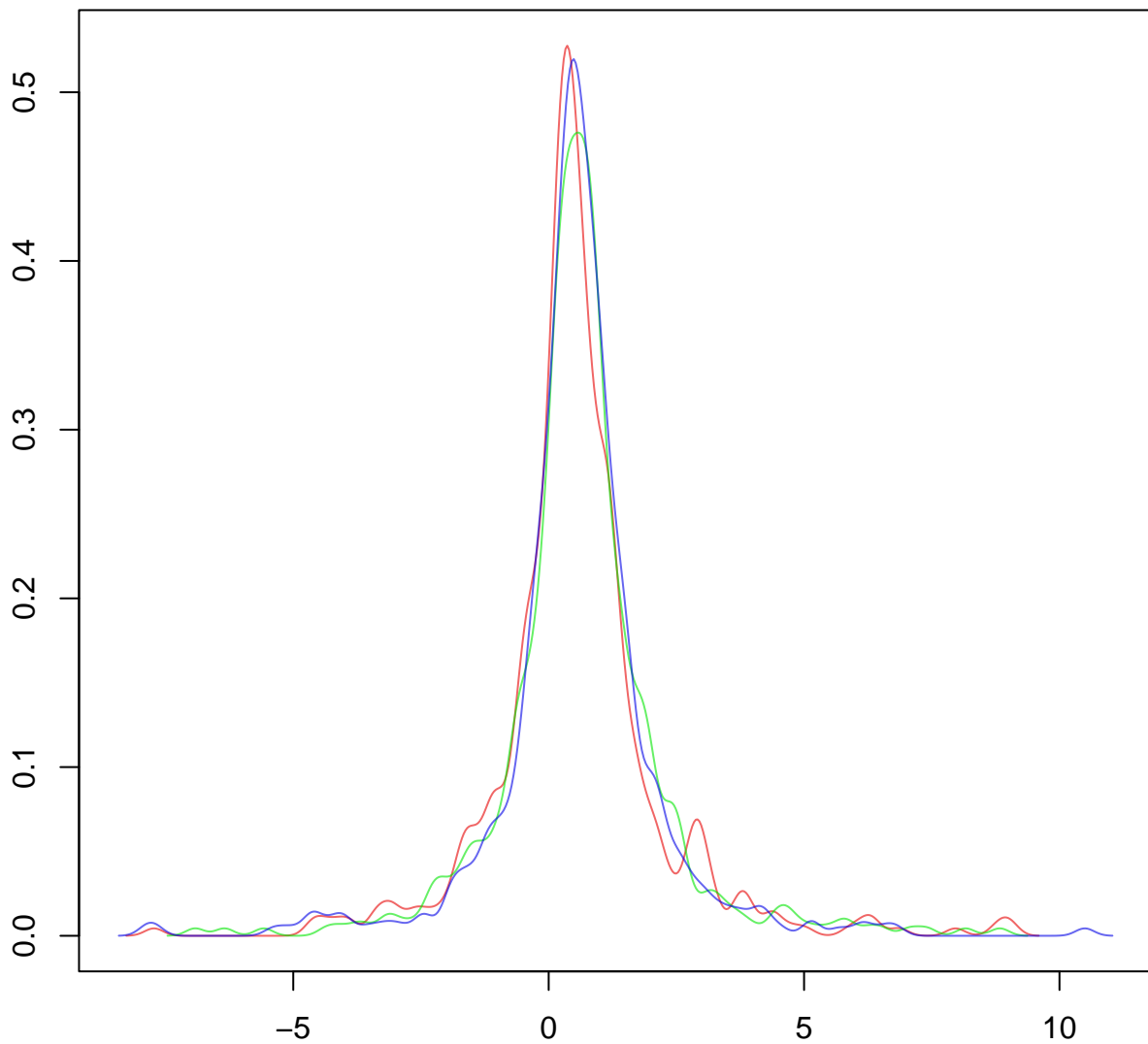
a[1]



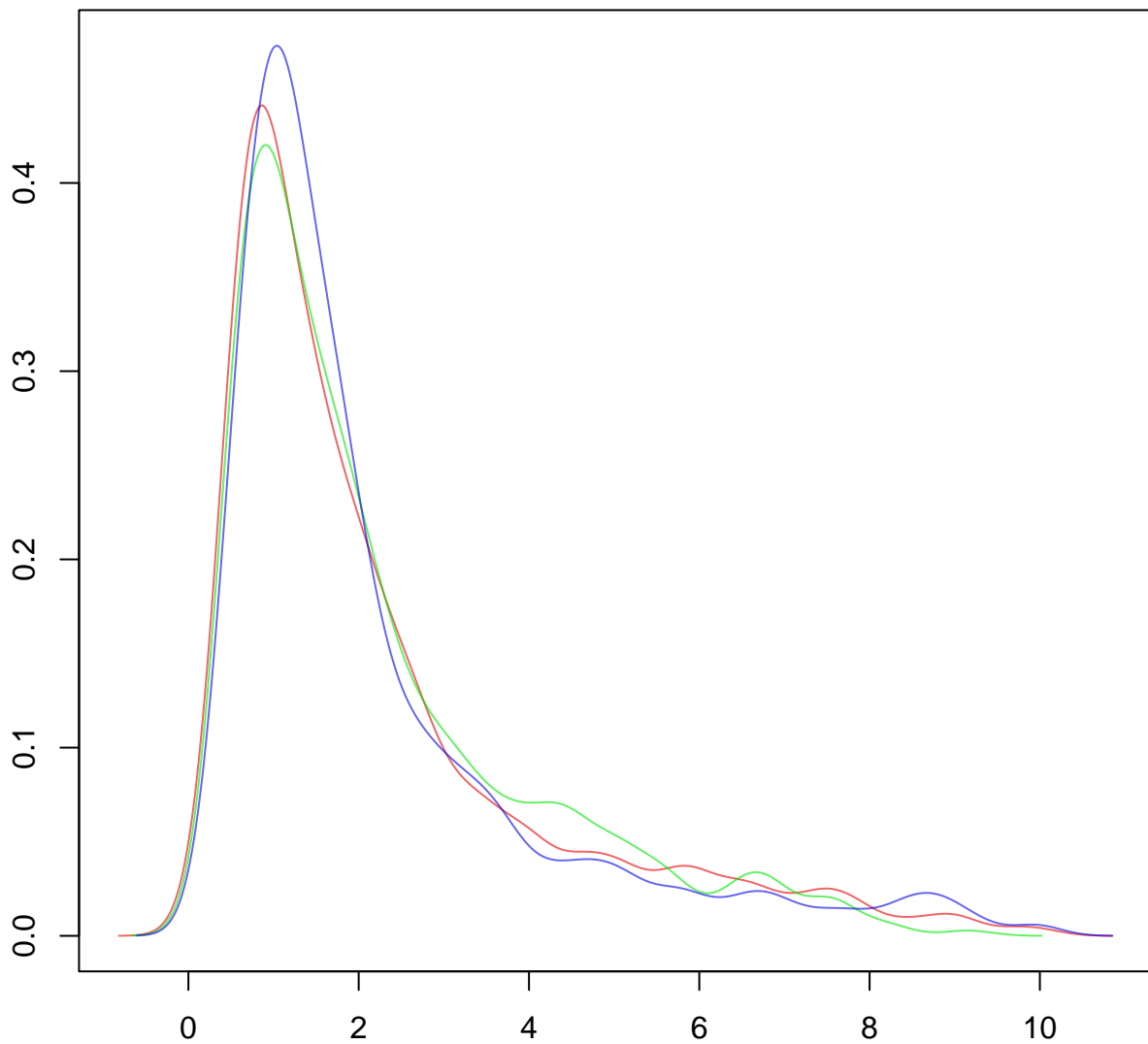
a[2]



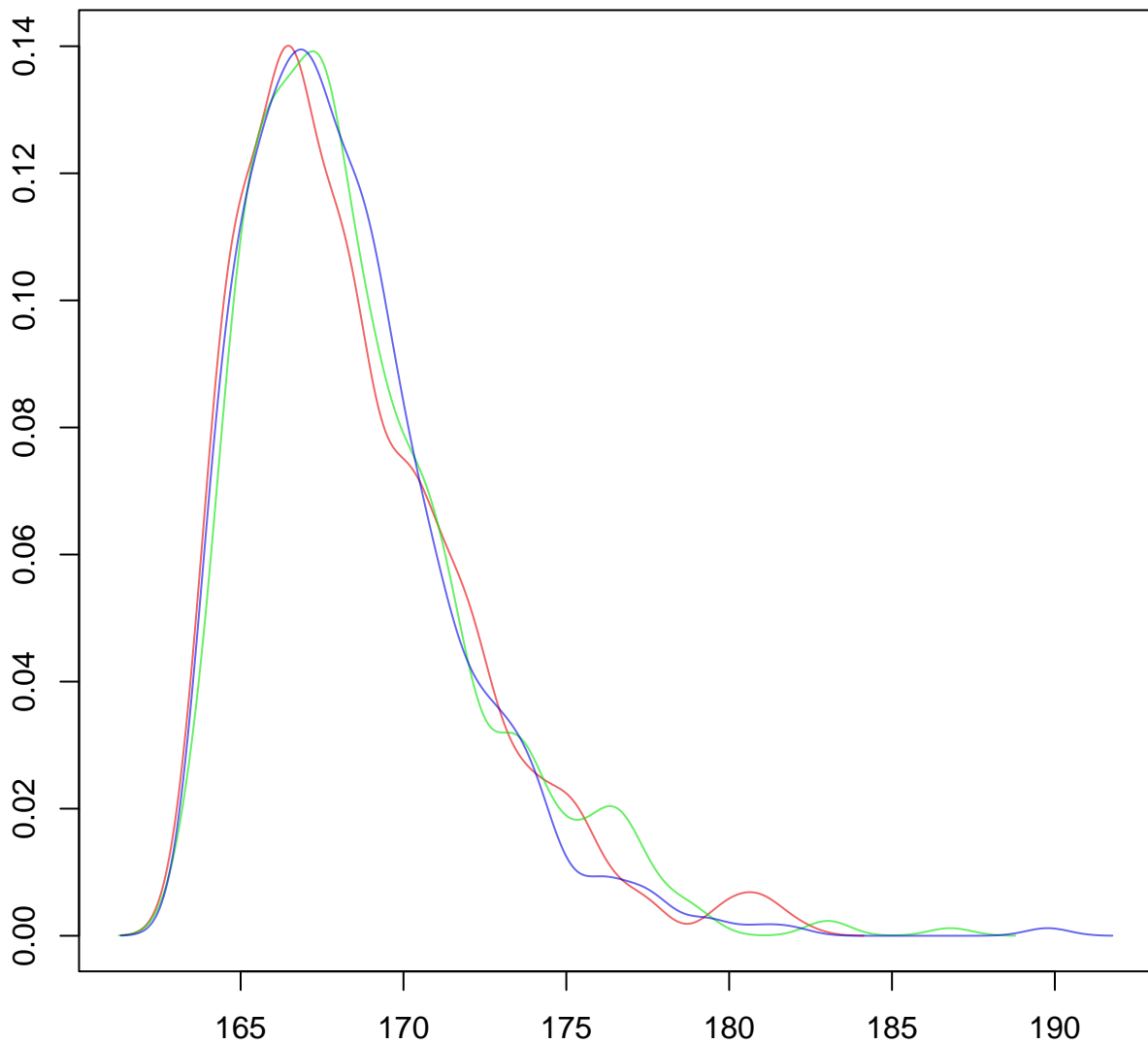
a[3]



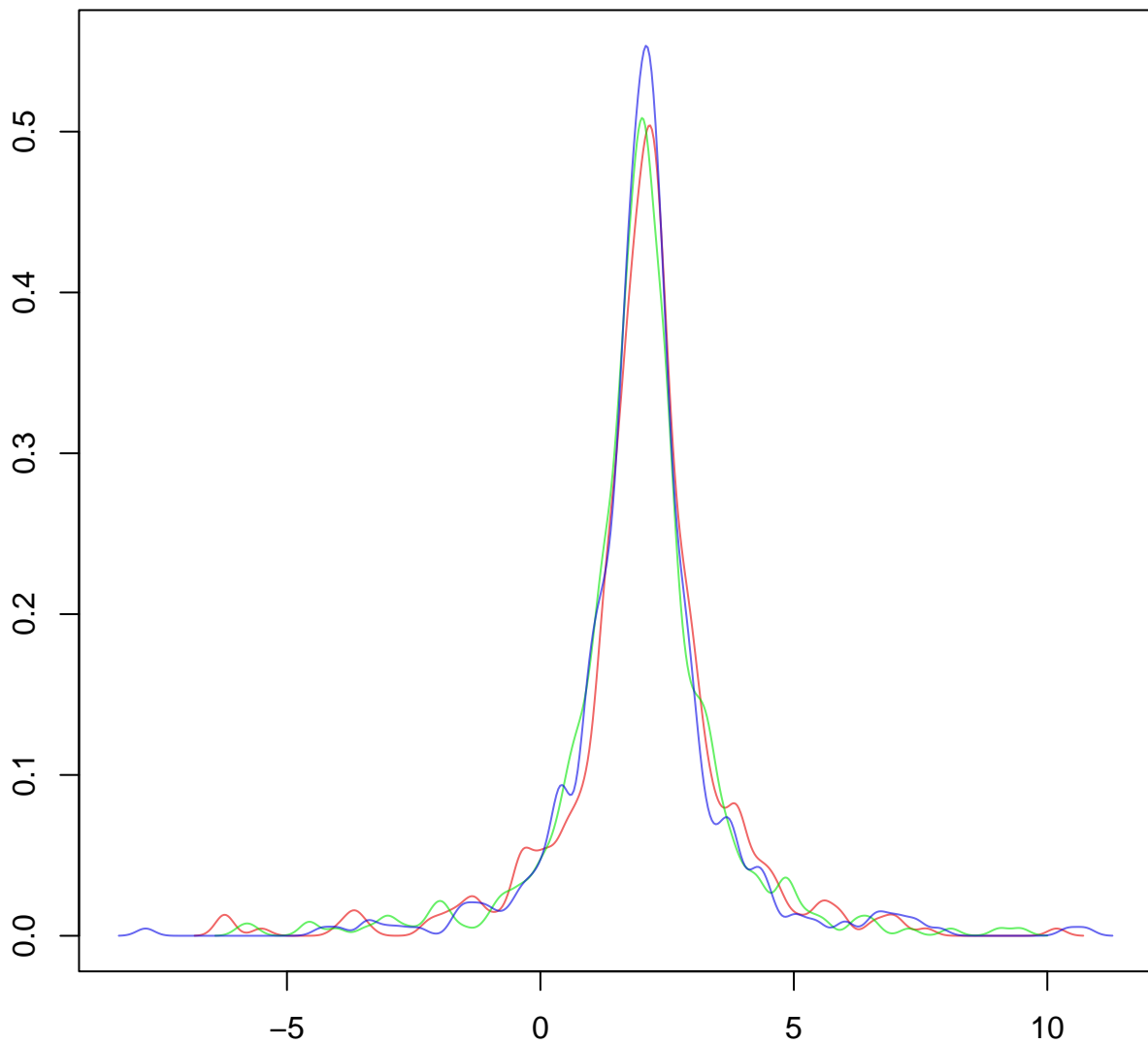
sig_a



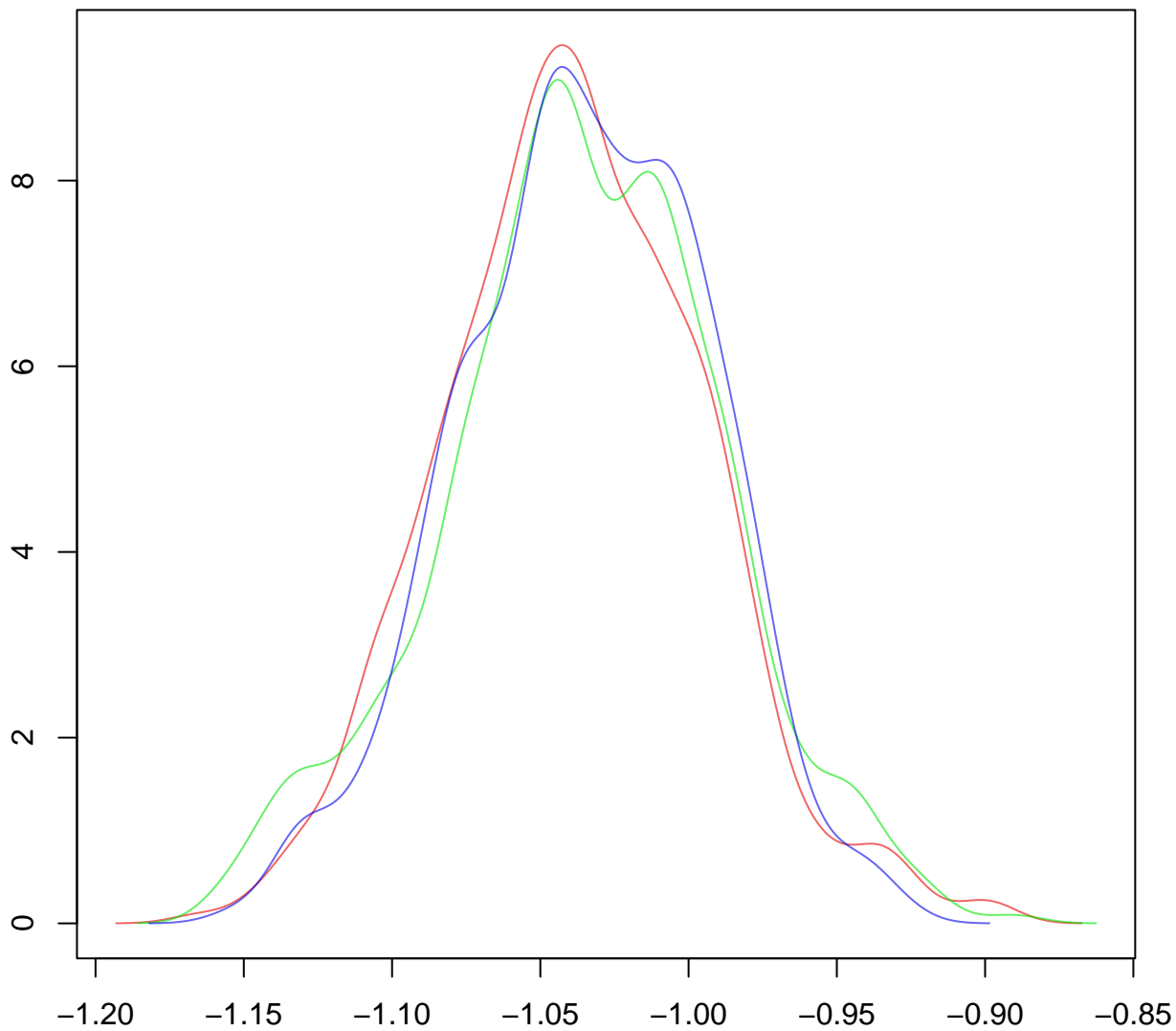
deviance



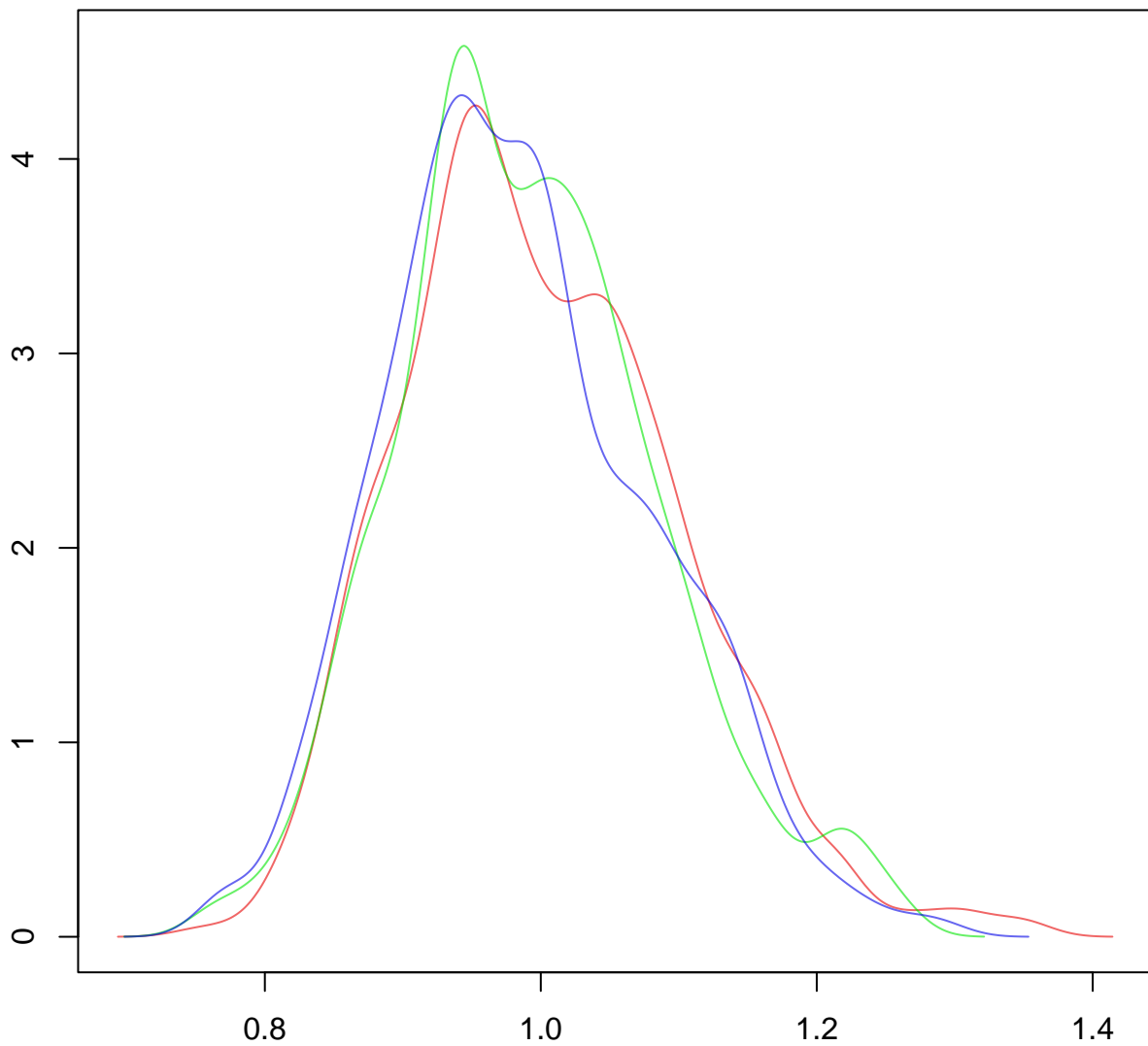
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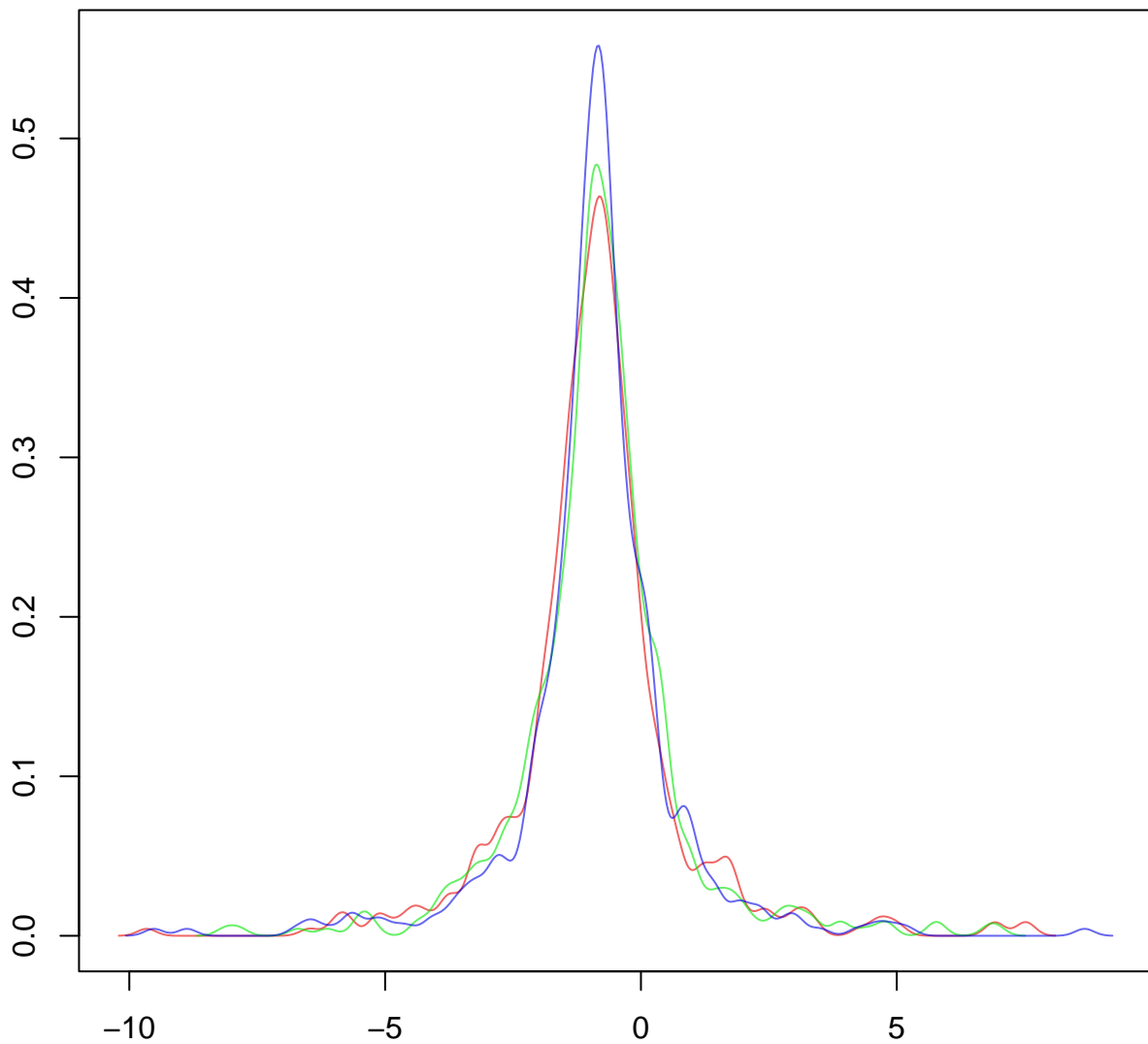
b1



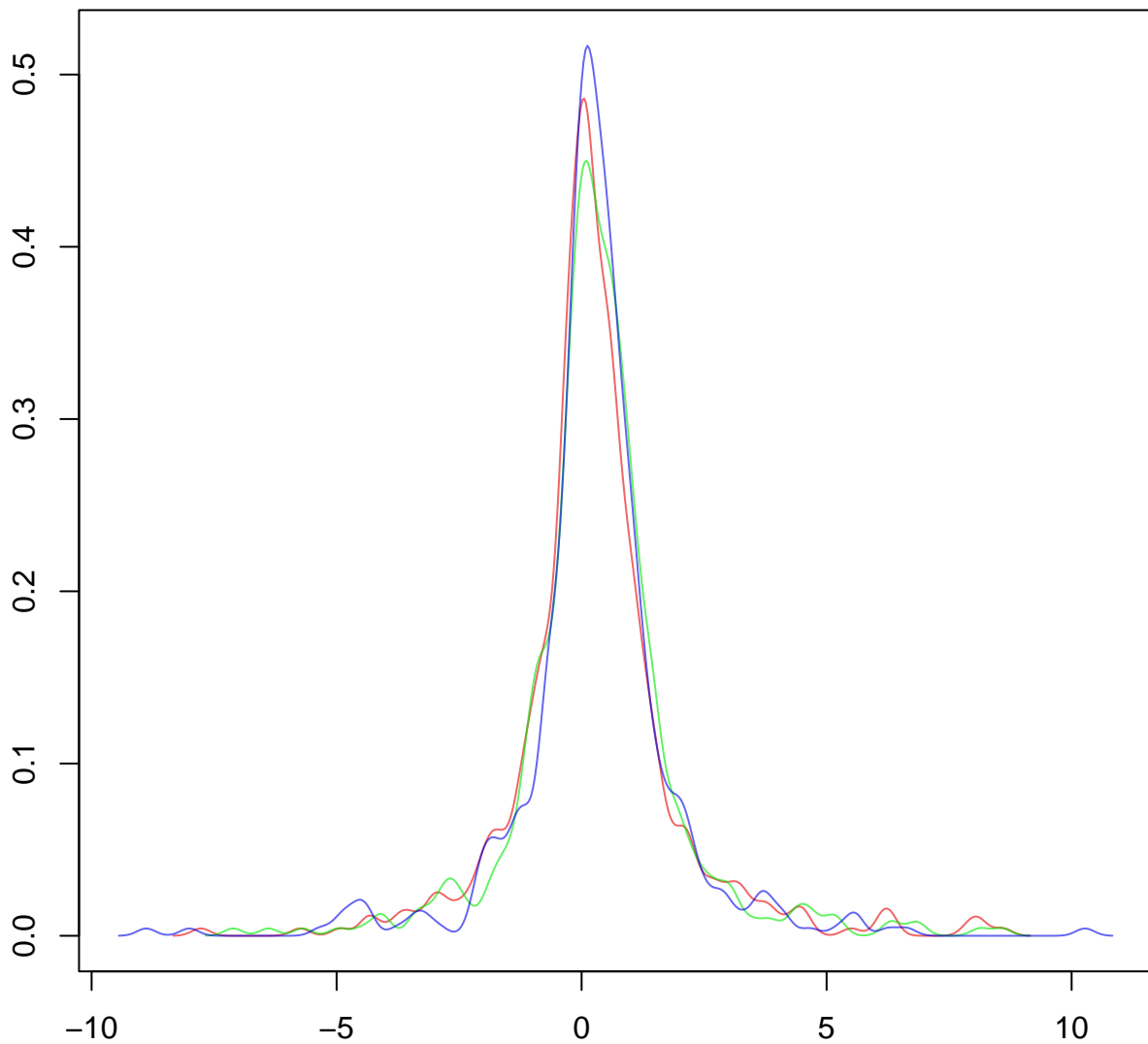
sig



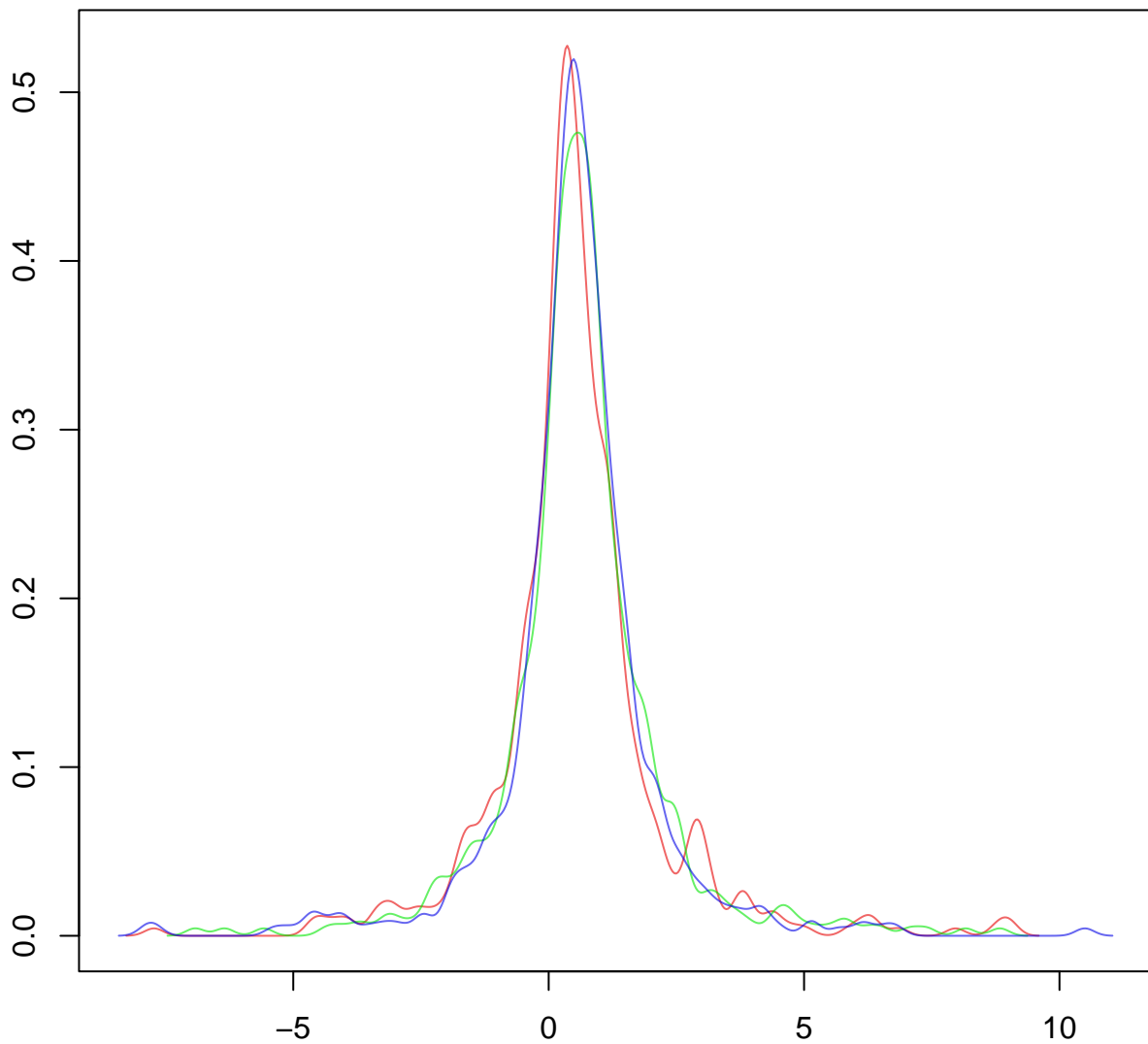
a[1]



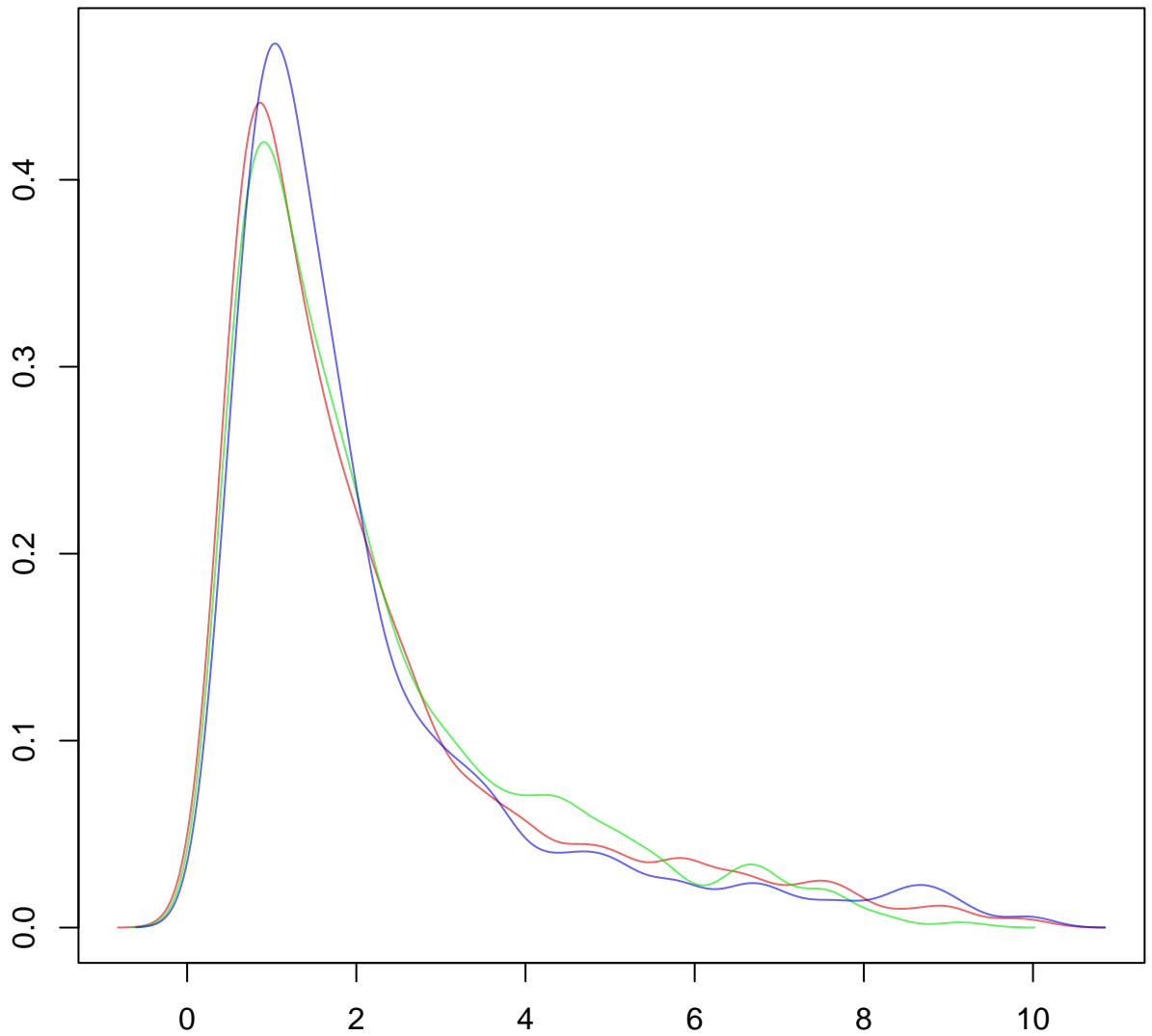
a[2]



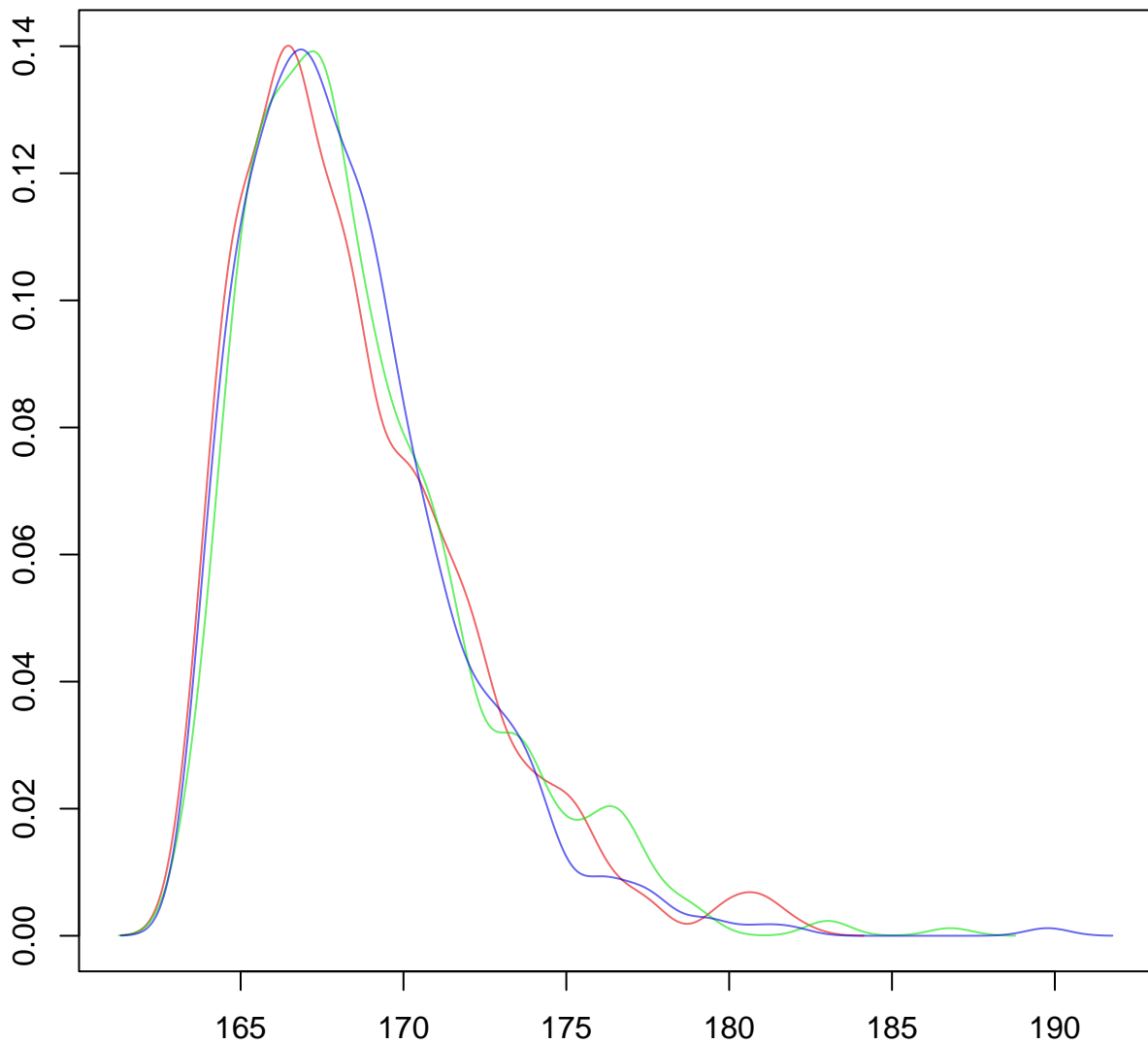
a[3]

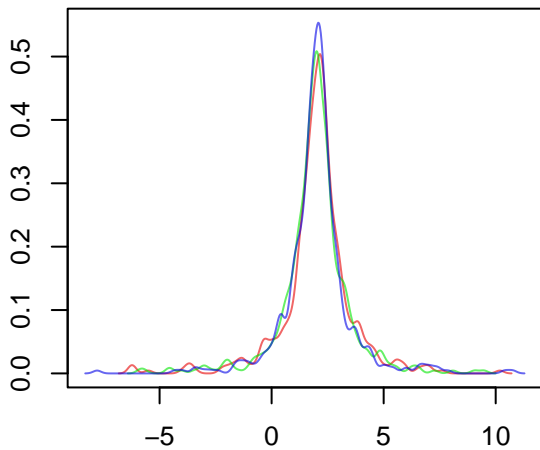
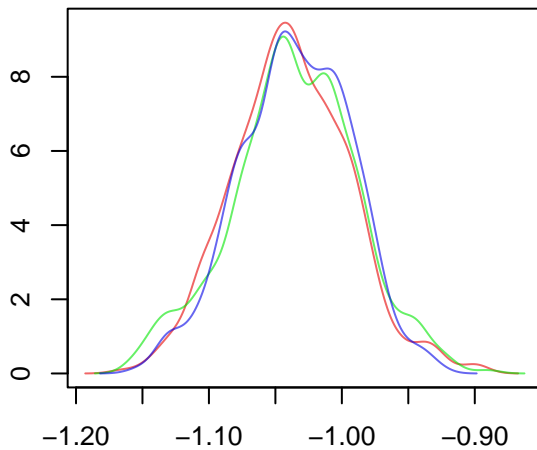
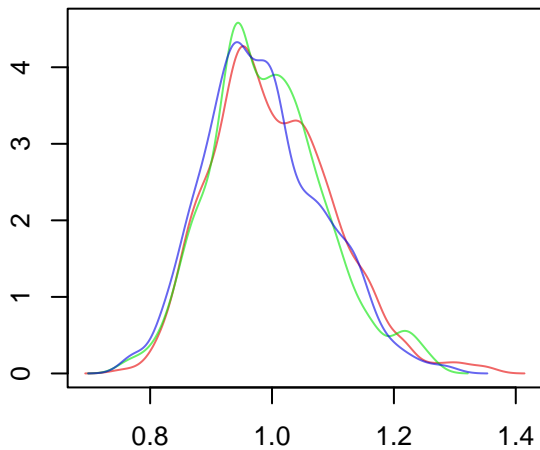
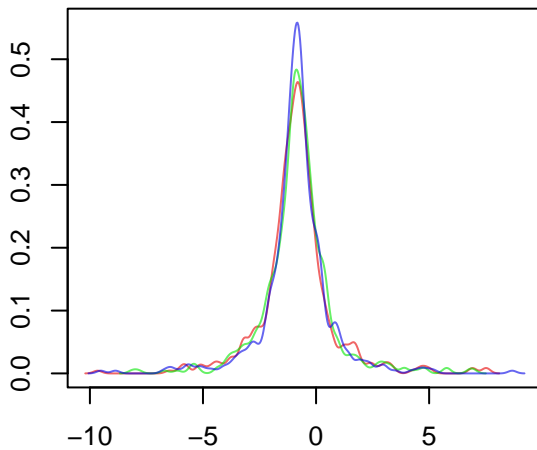


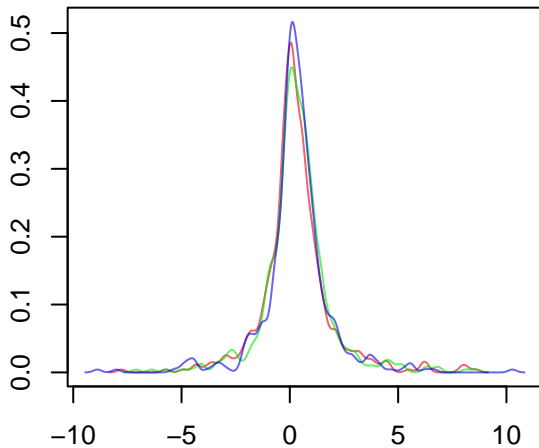
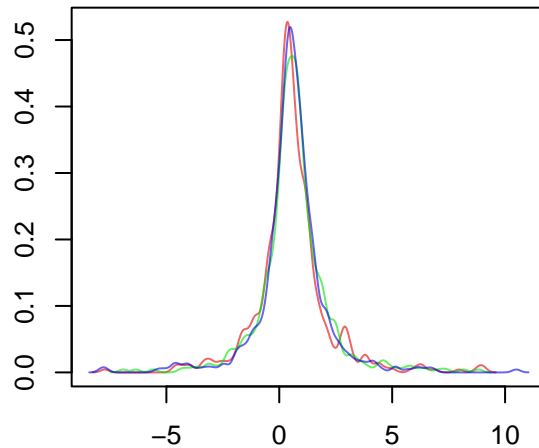
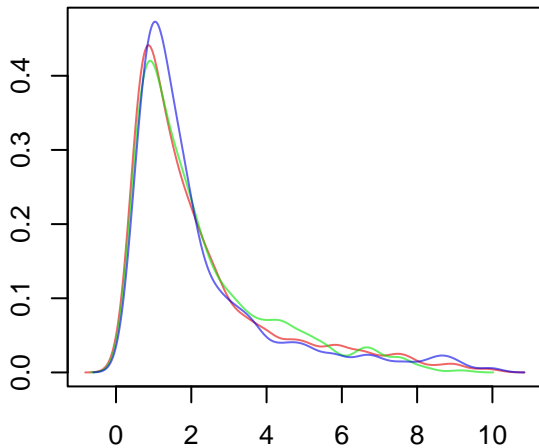
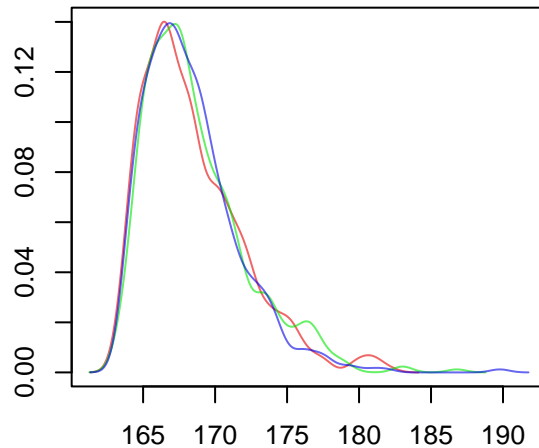
sig_a

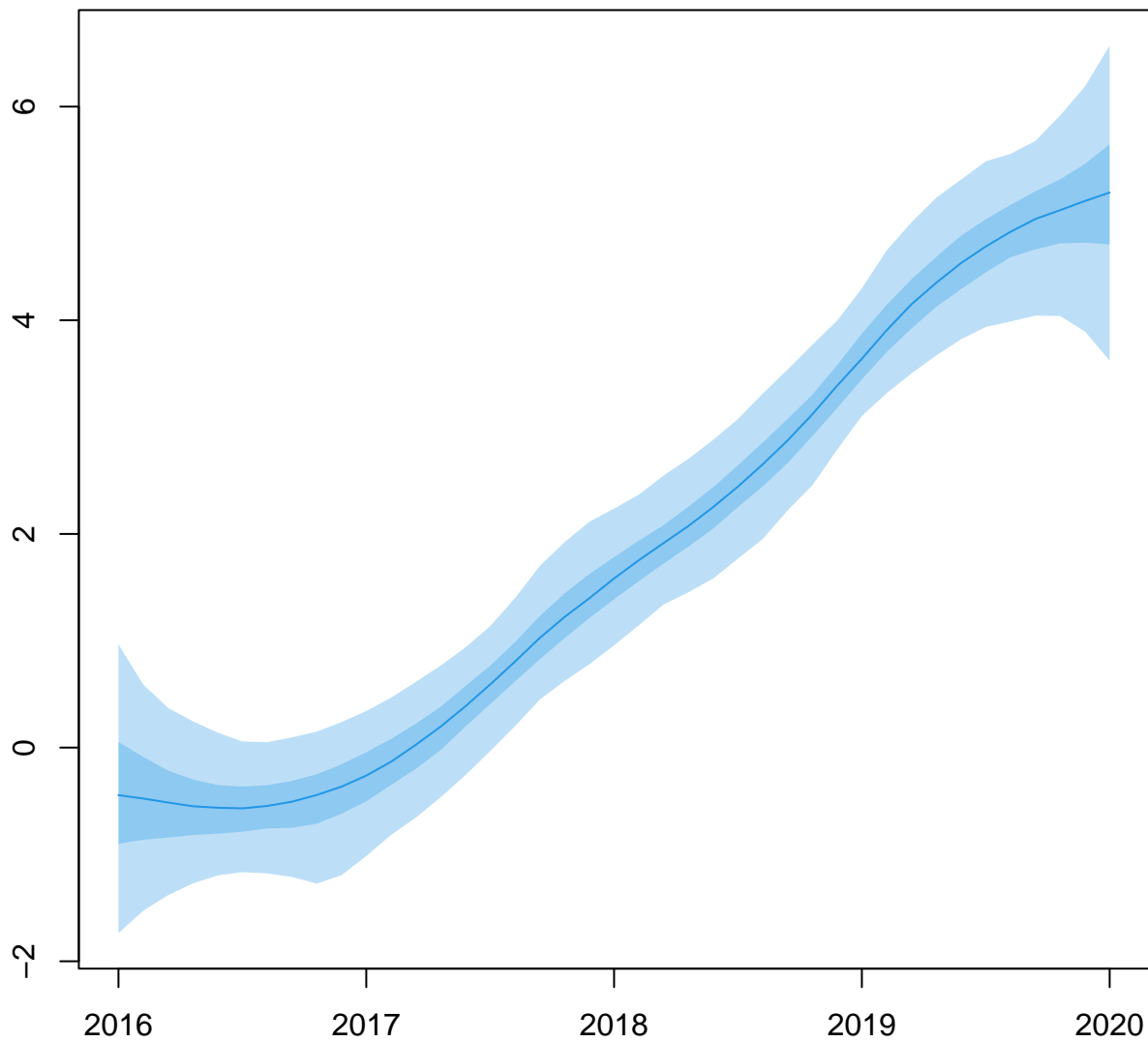


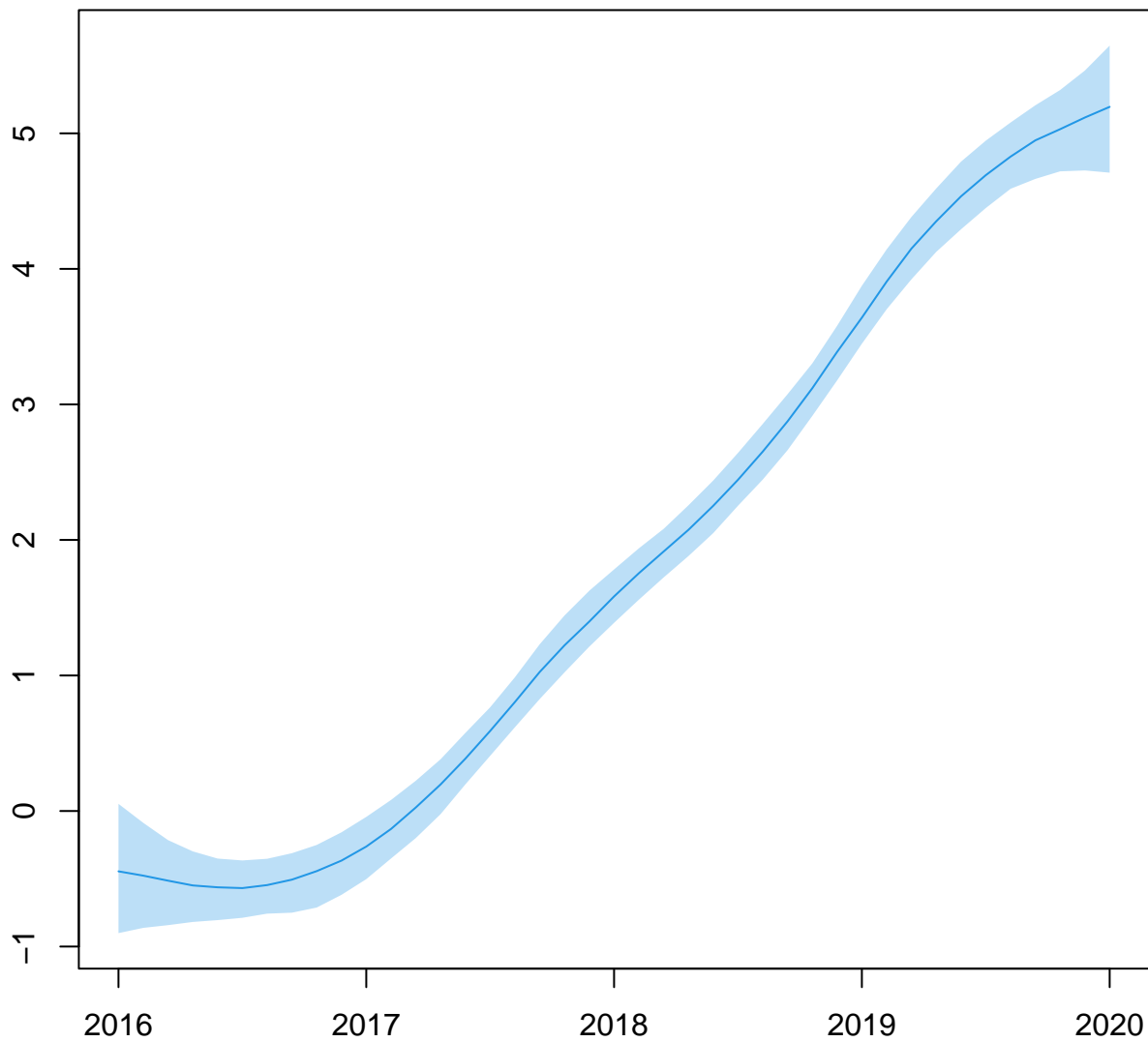
deviance

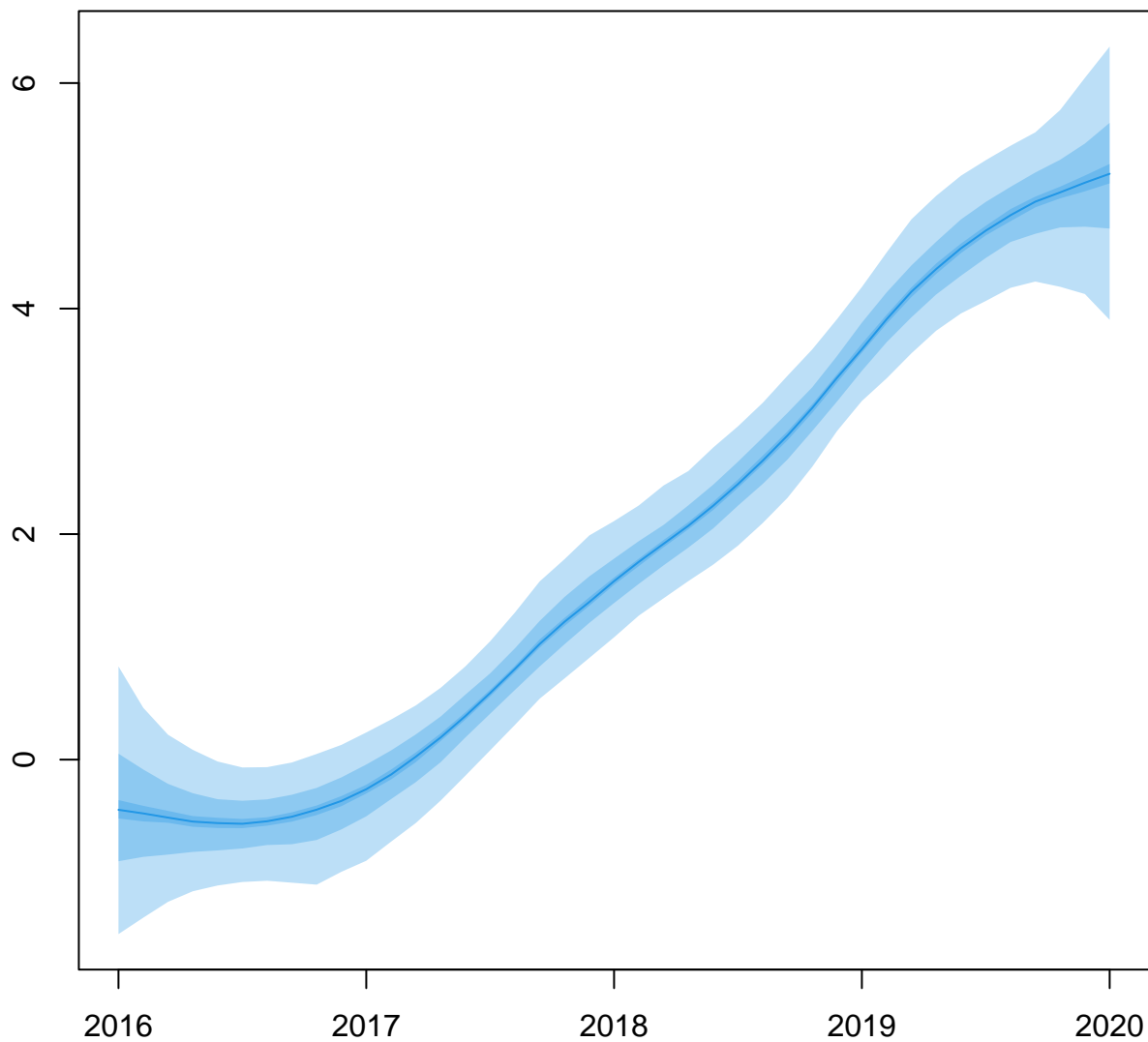


b0**b1****sig****a[1]**

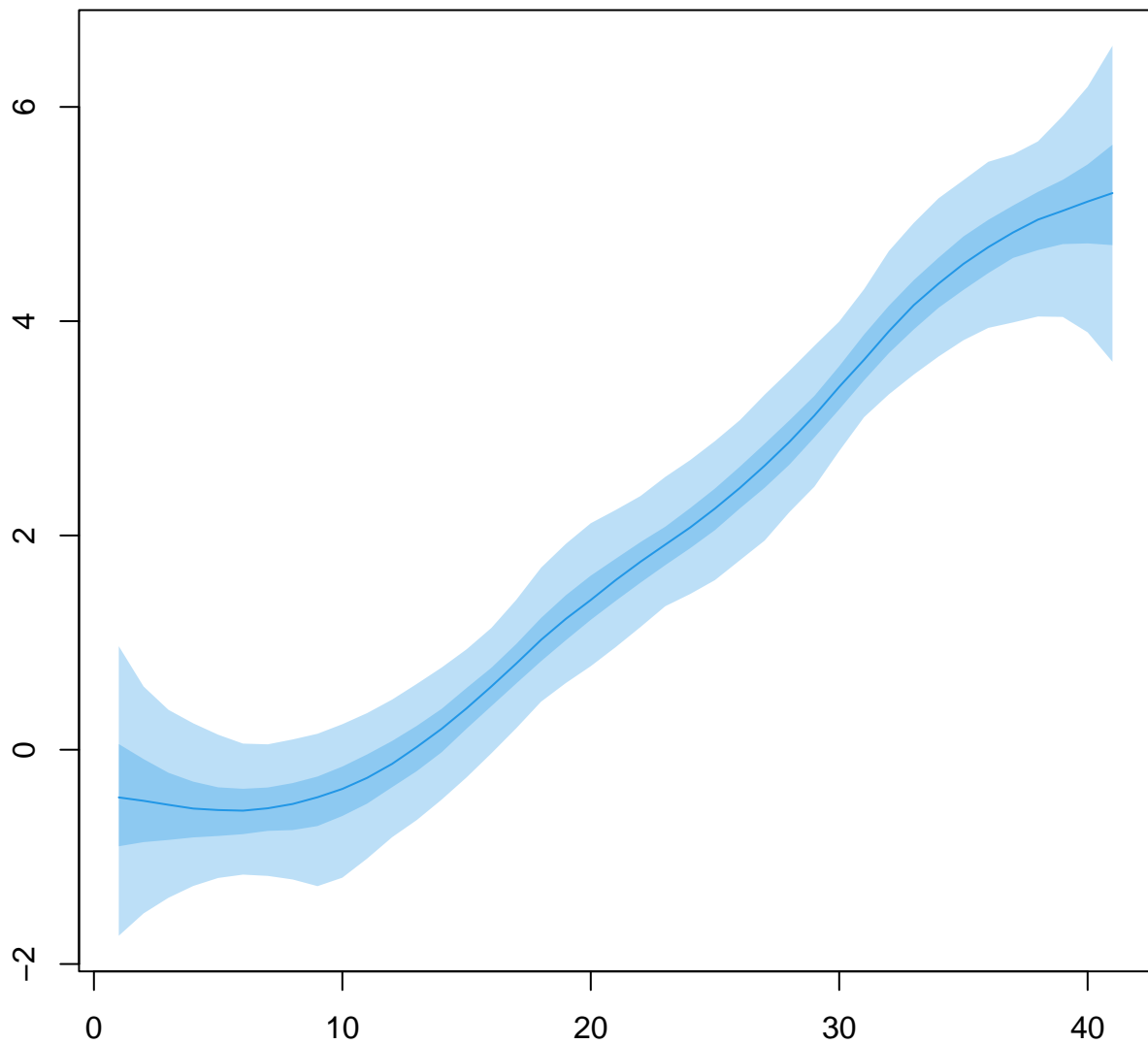
a[2]**a[3]****sig_a****deviance**



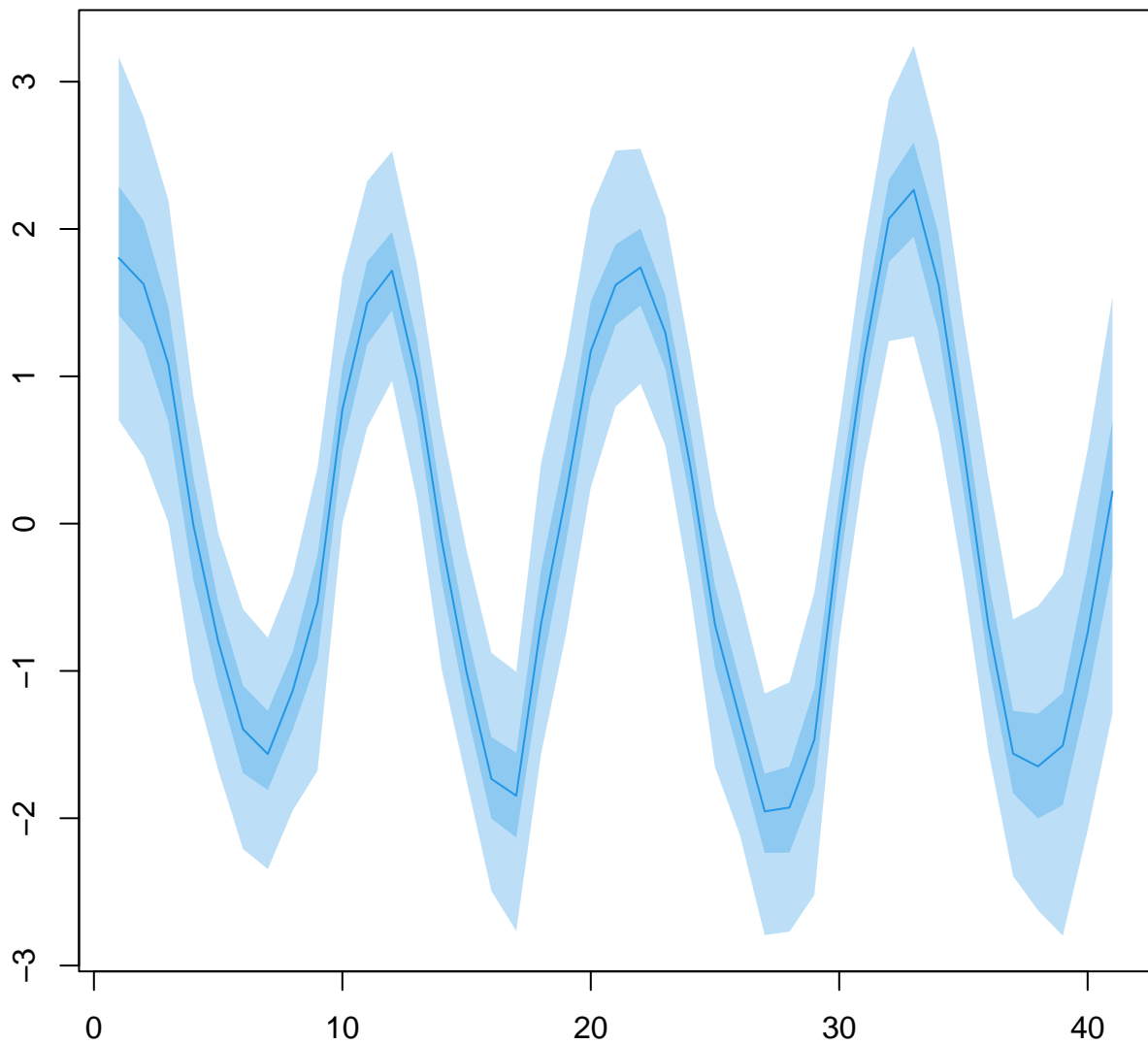




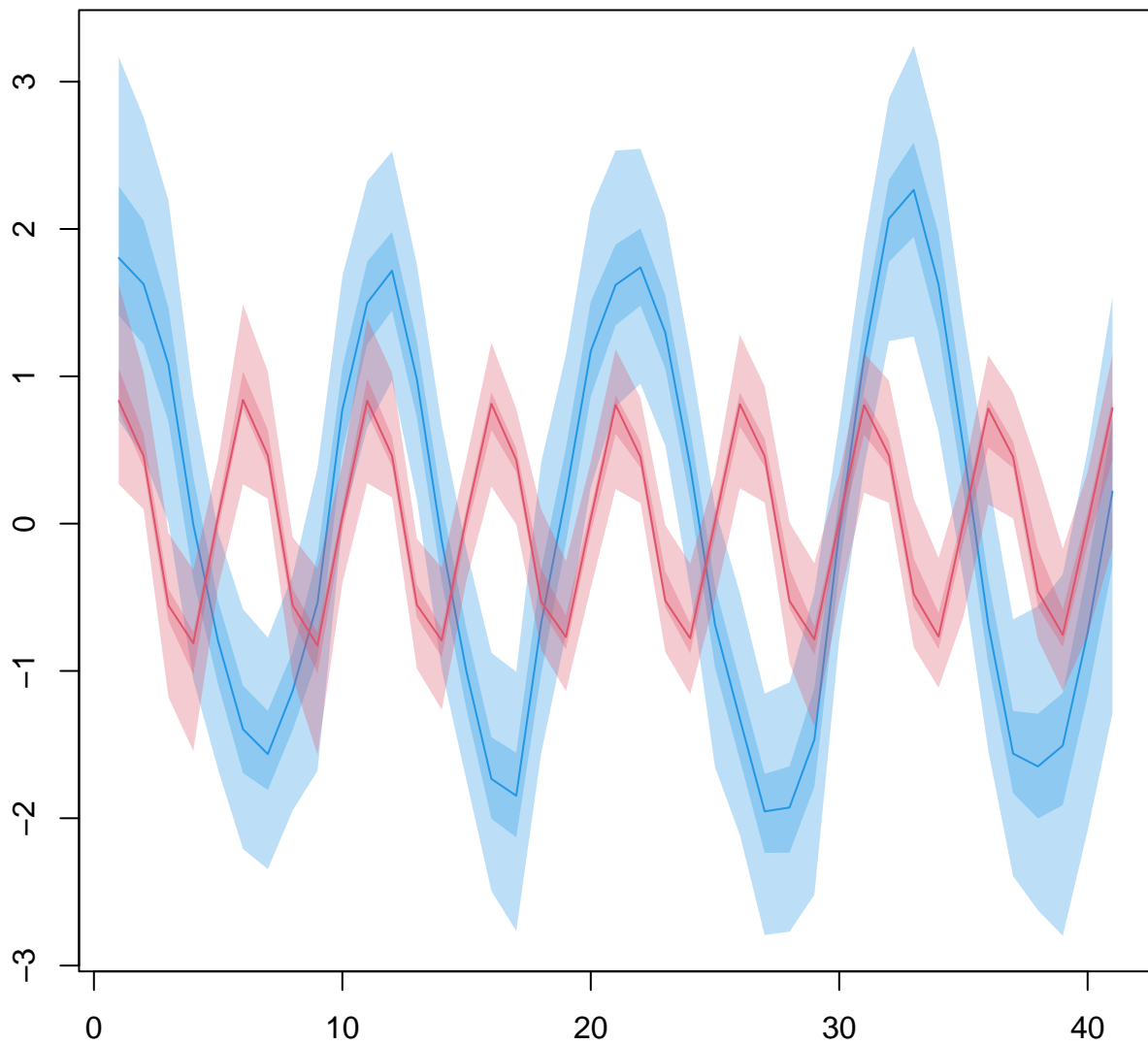
trend

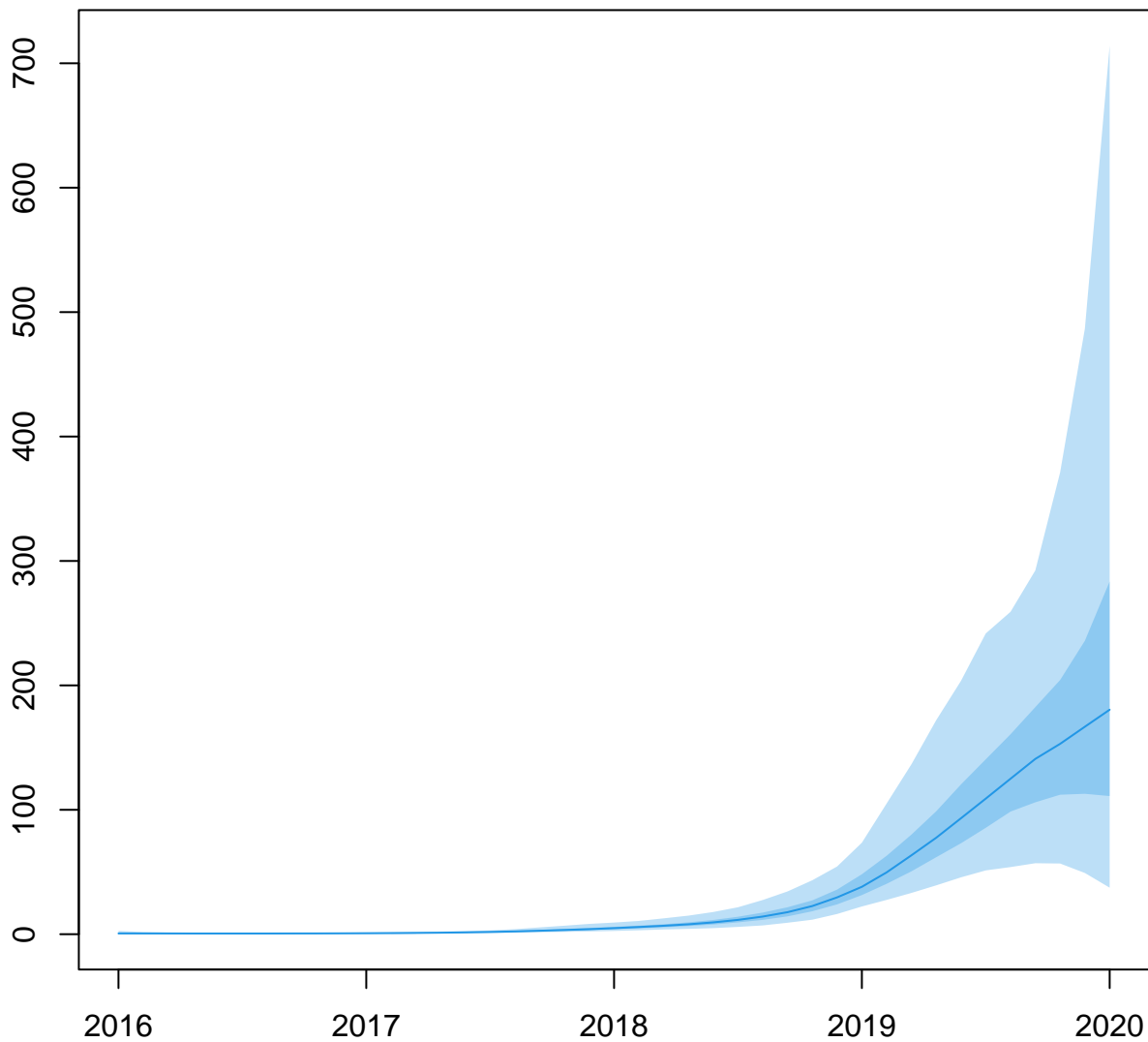


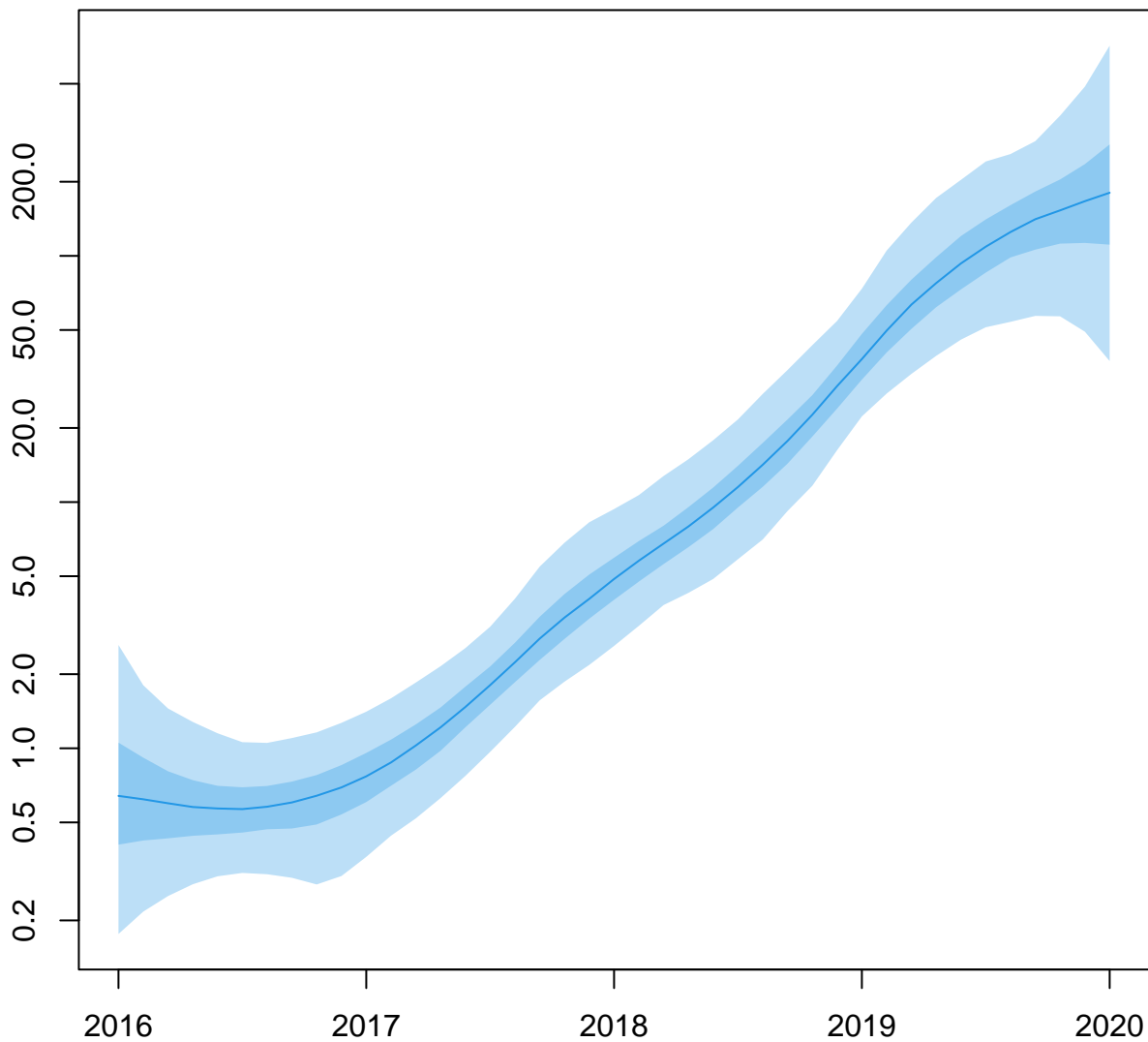
cycle_s[,1]



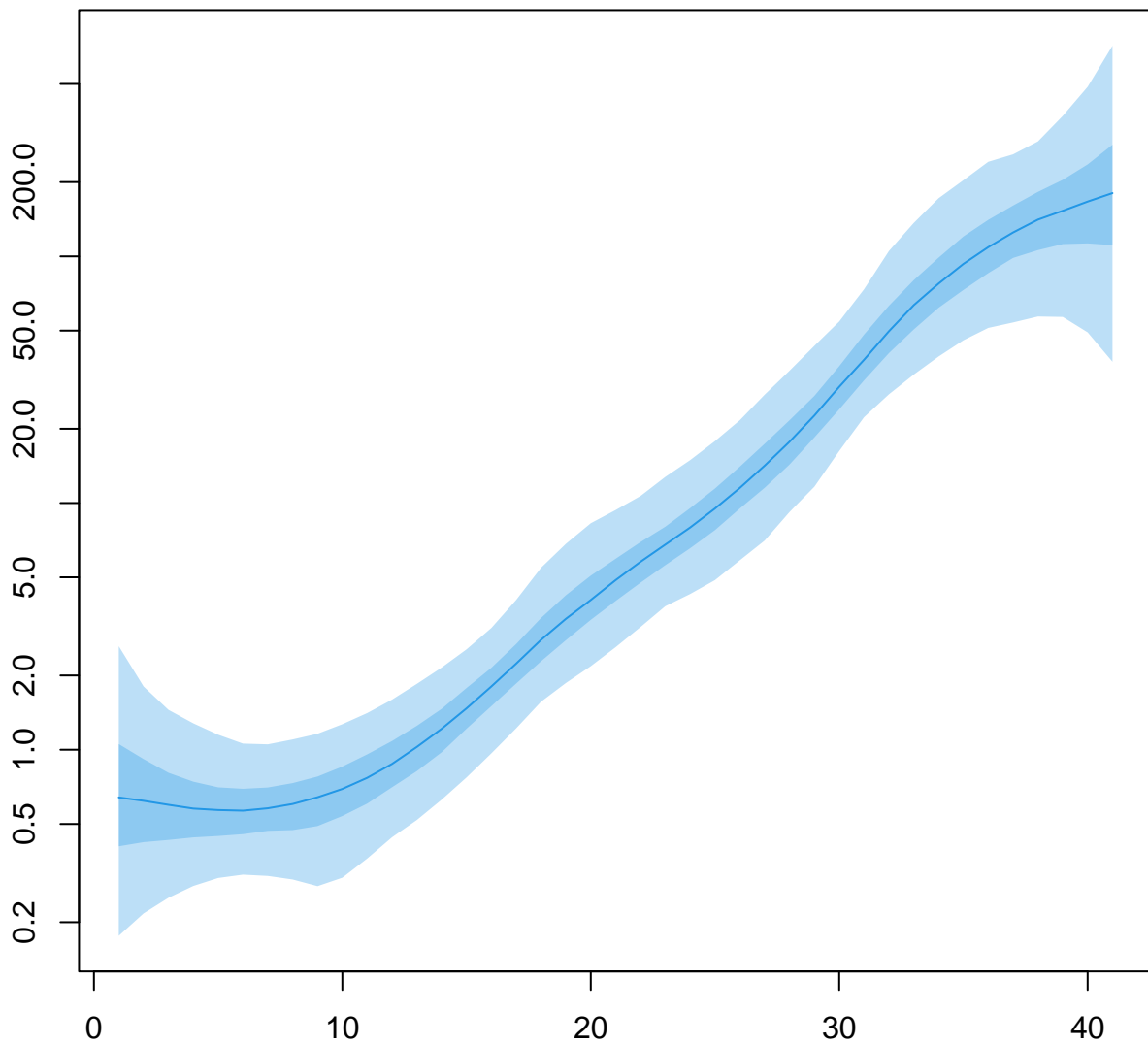
cycle_s



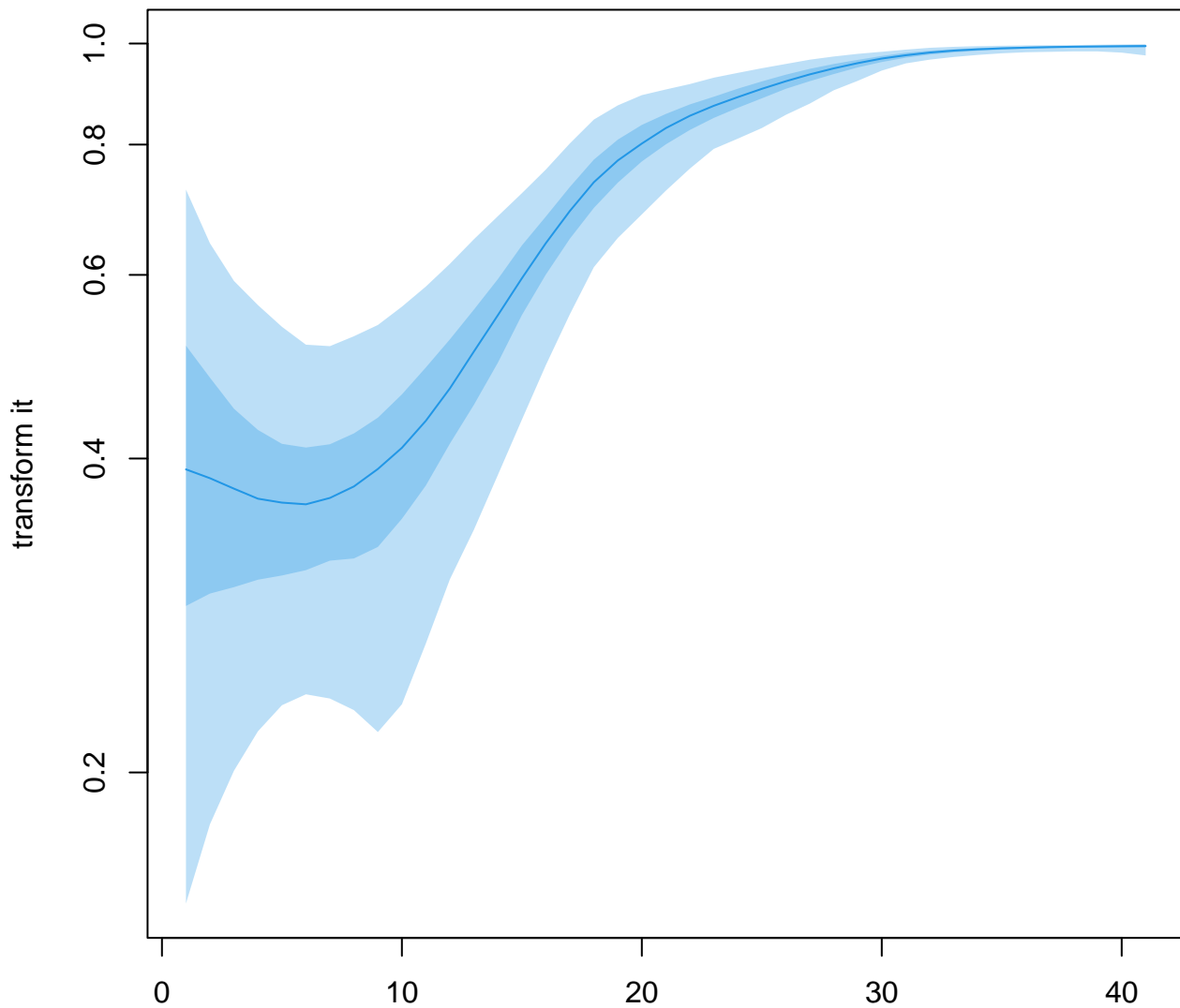


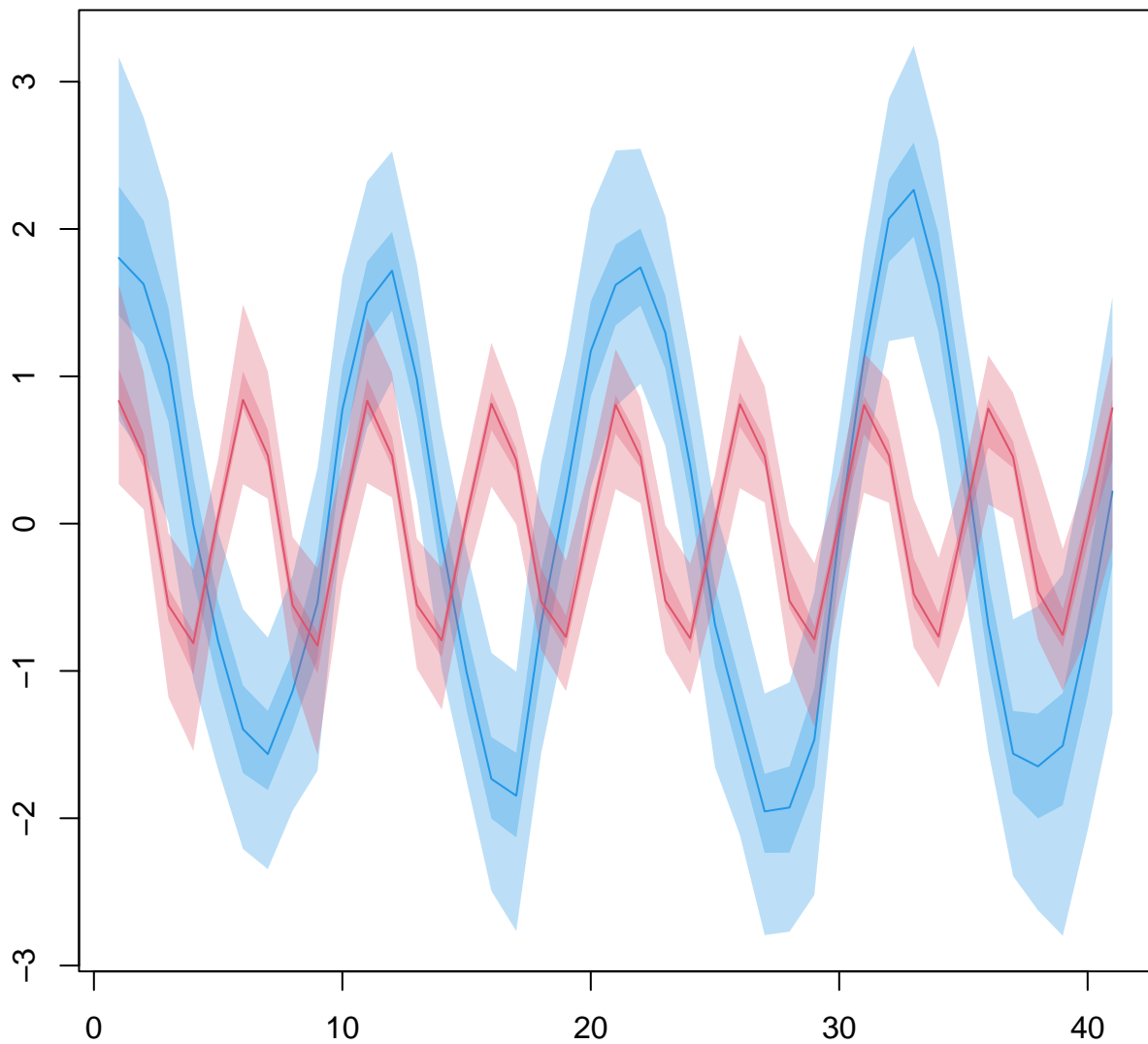


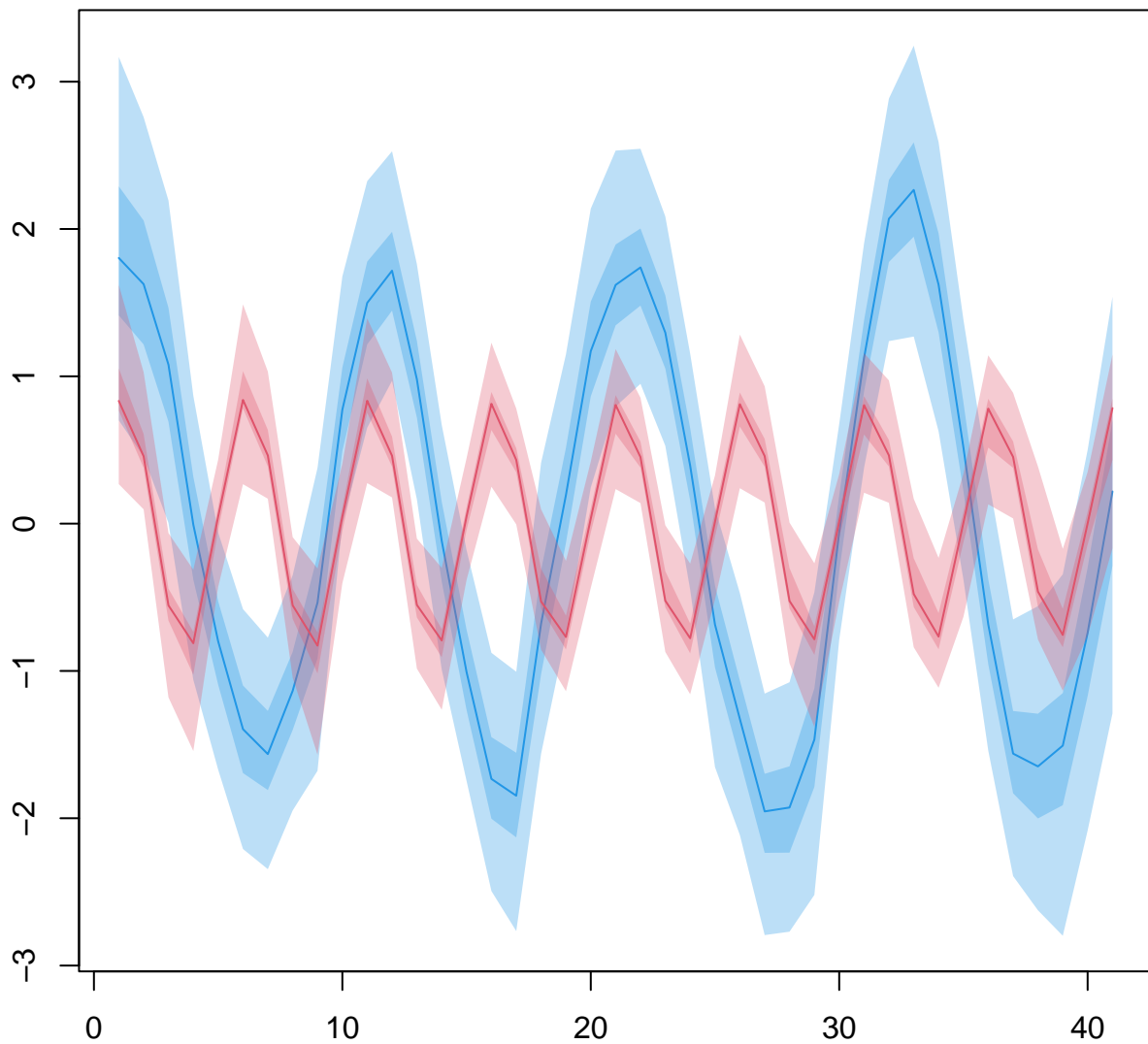
trend



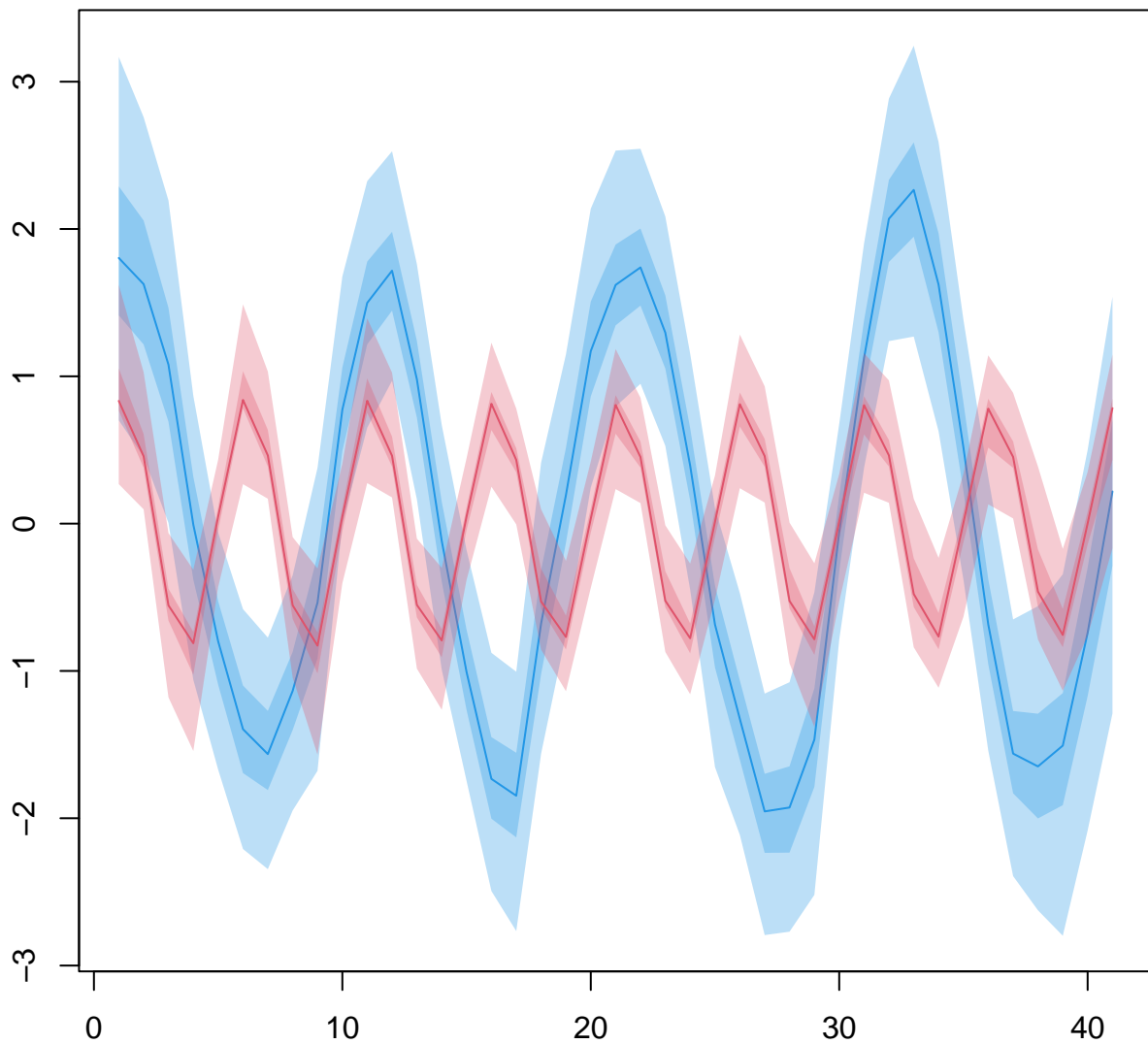
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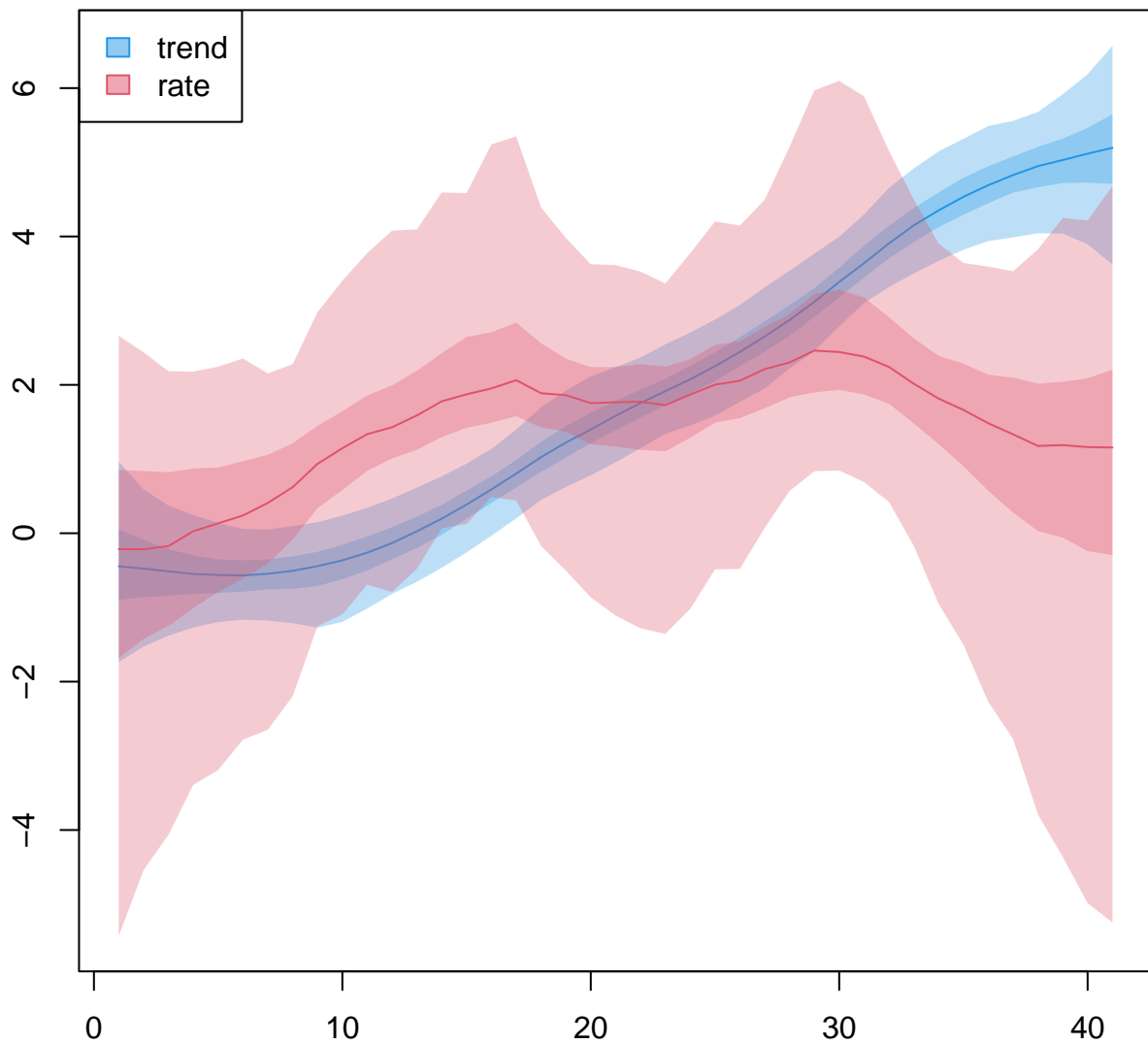


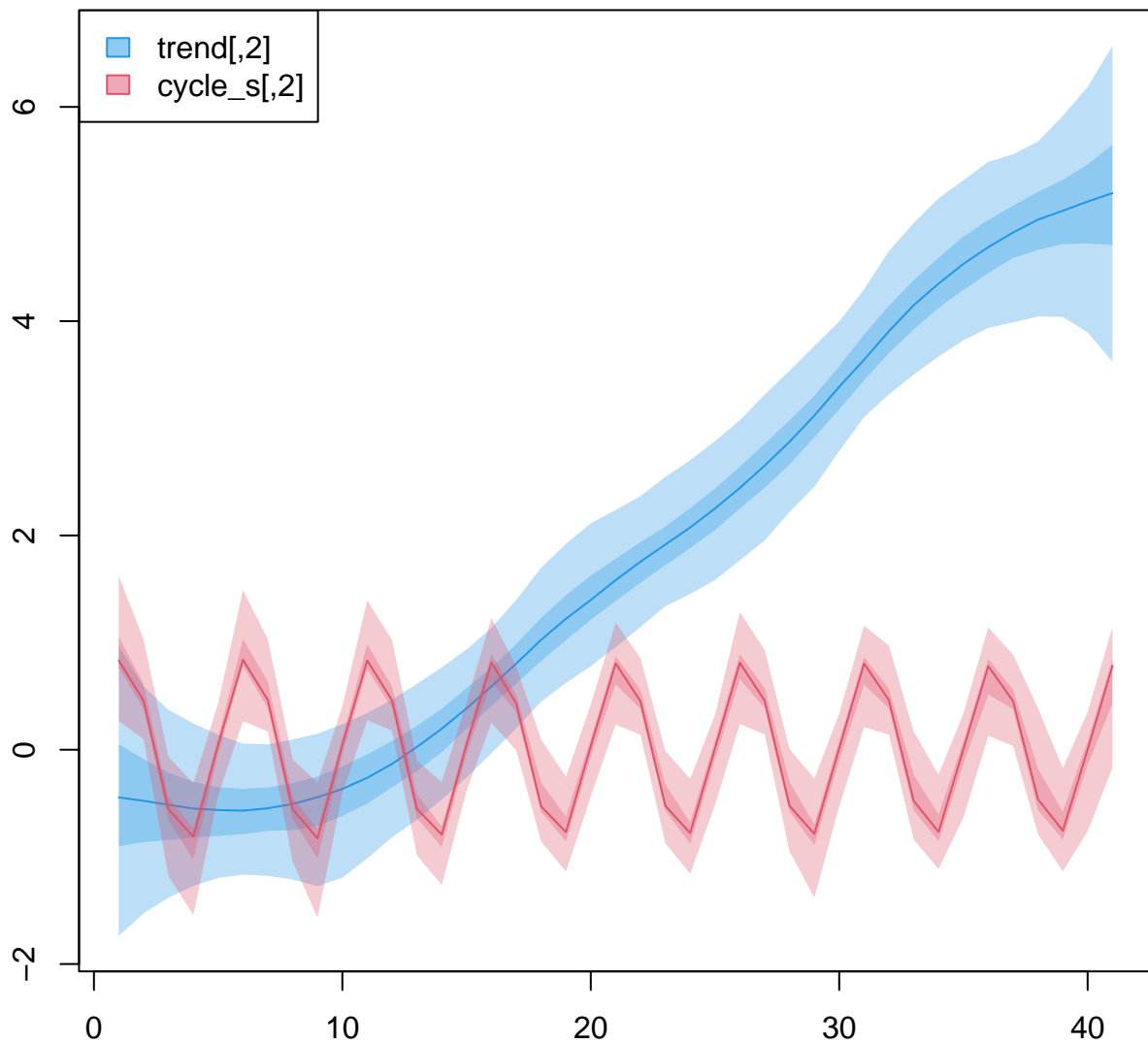


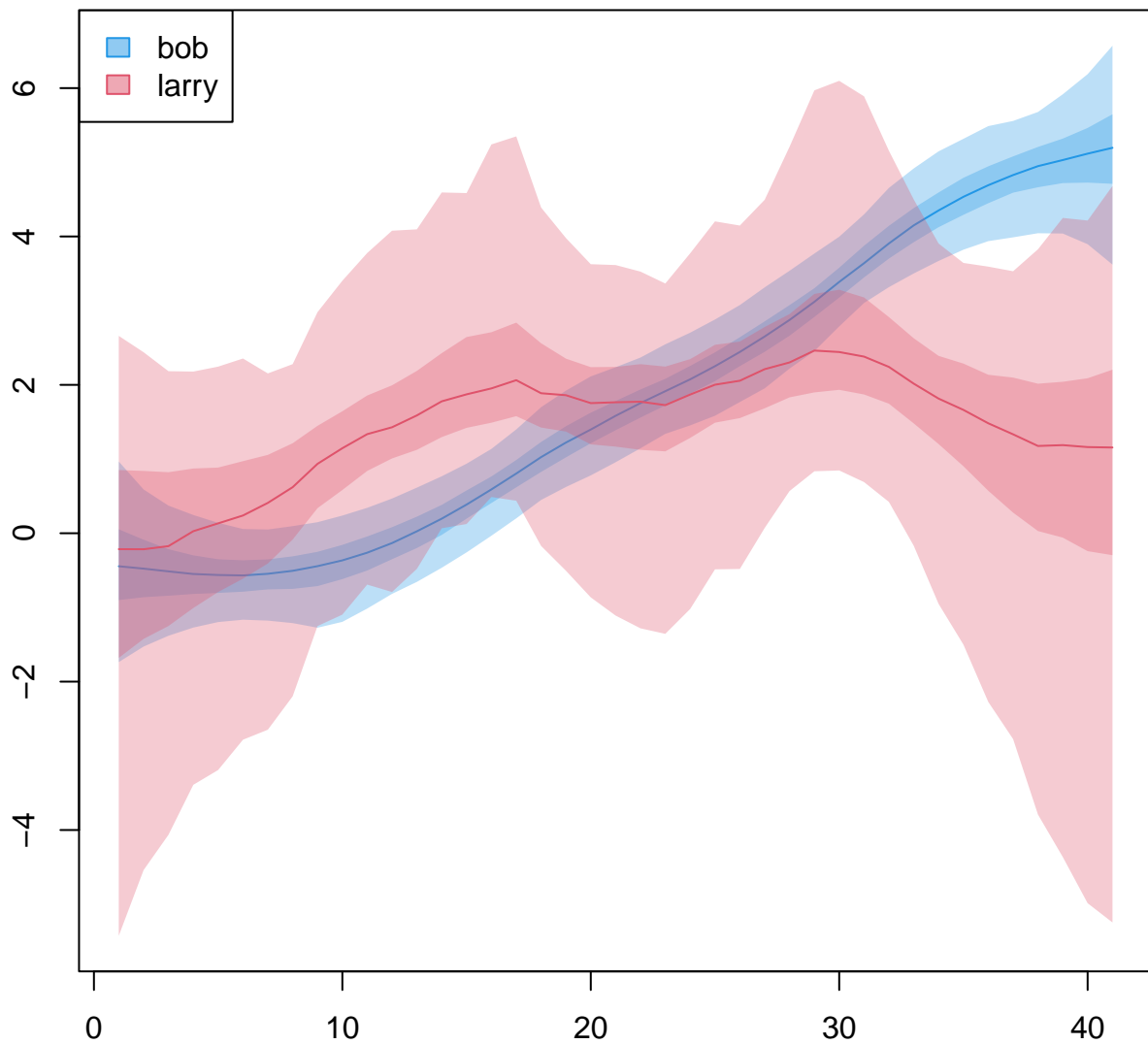


cycle_s

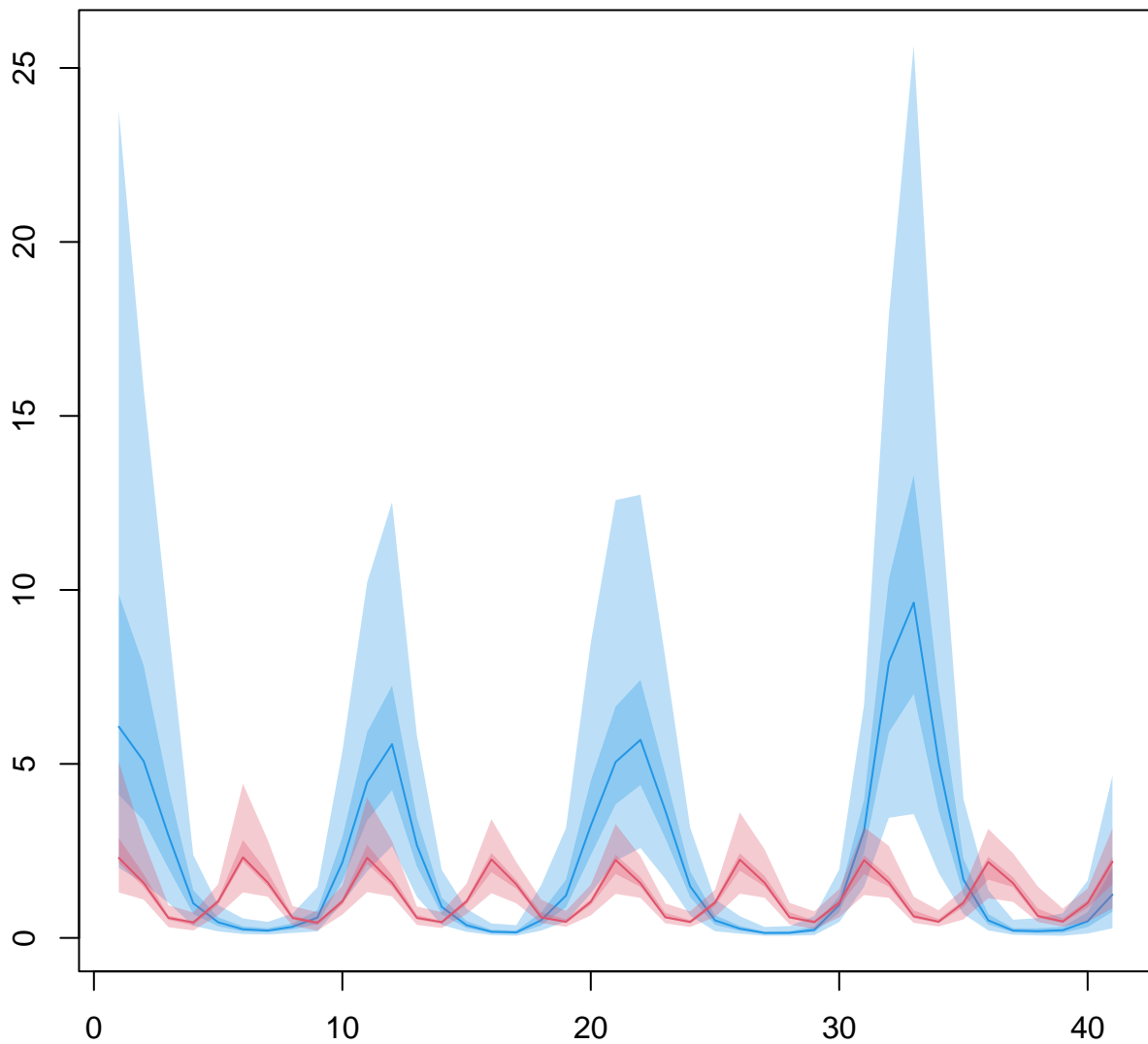




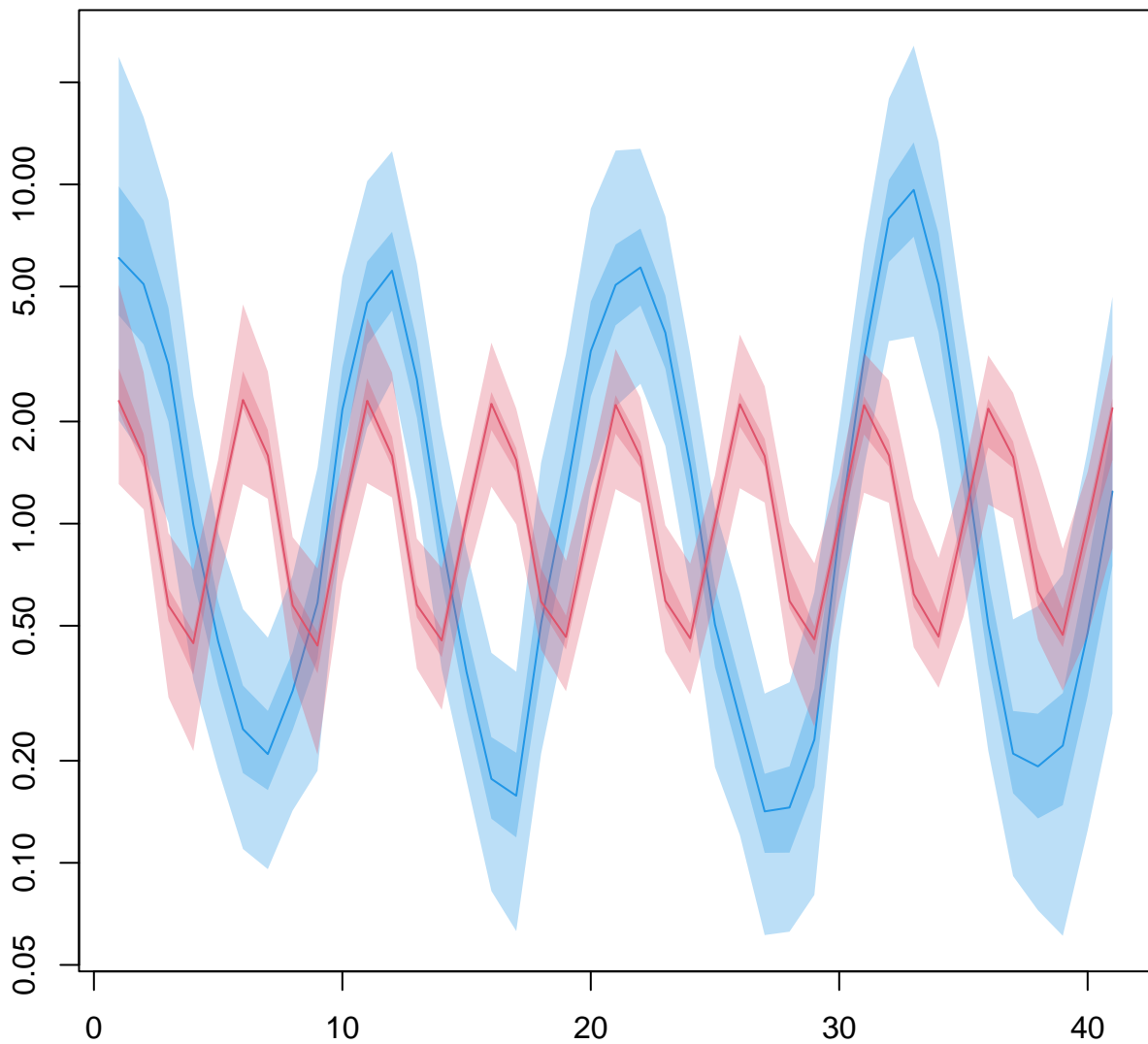


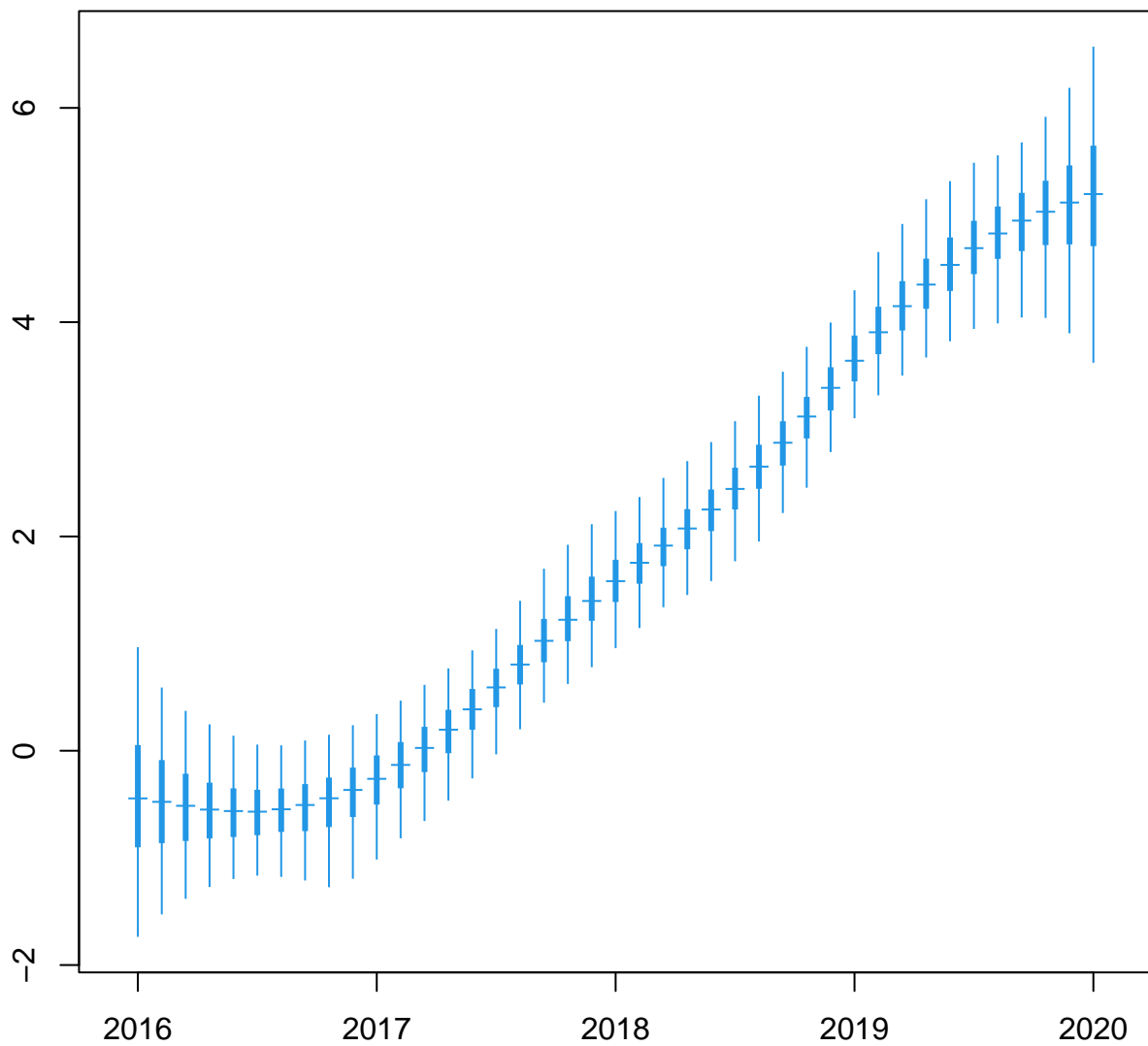


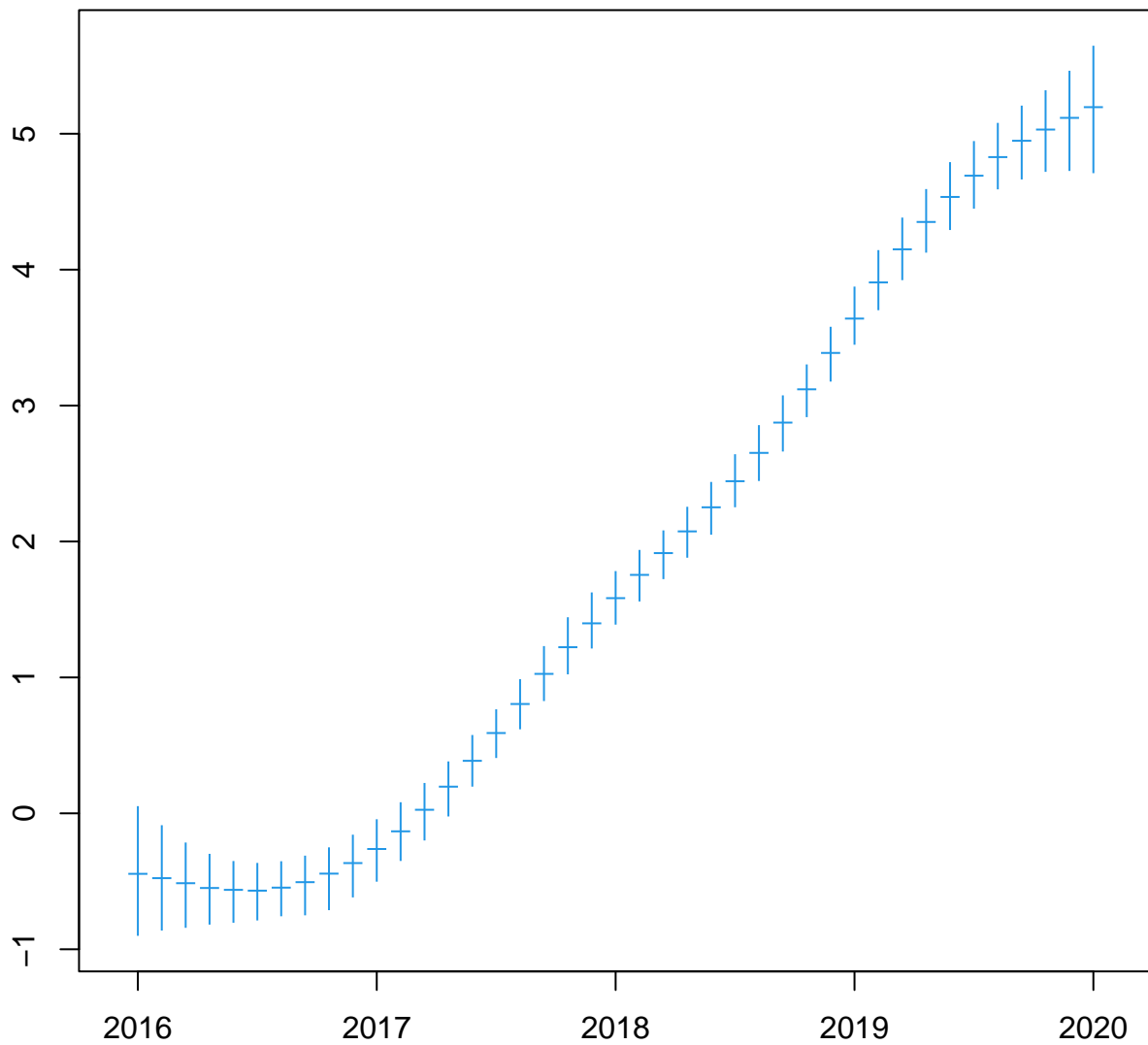
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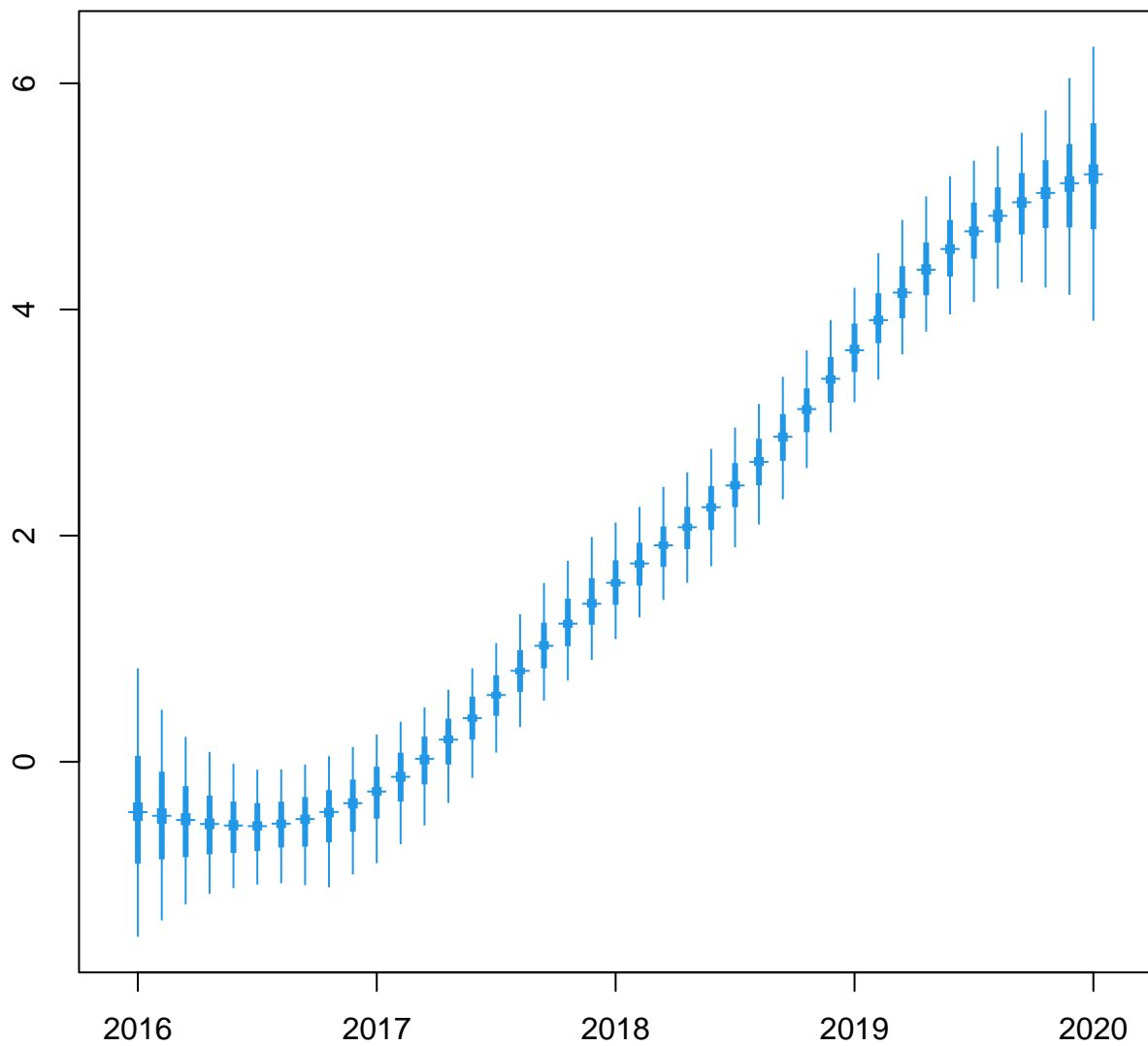


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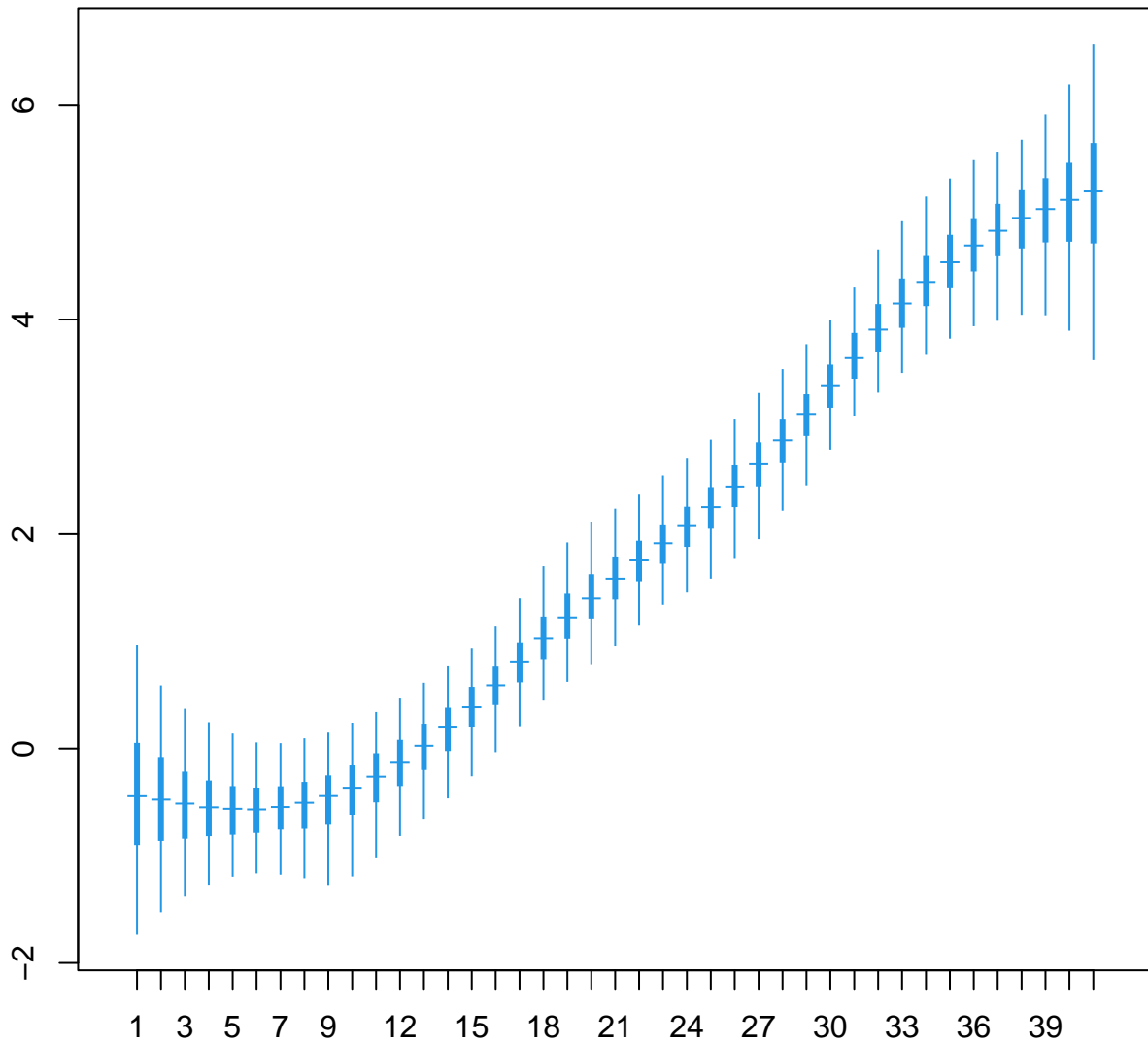




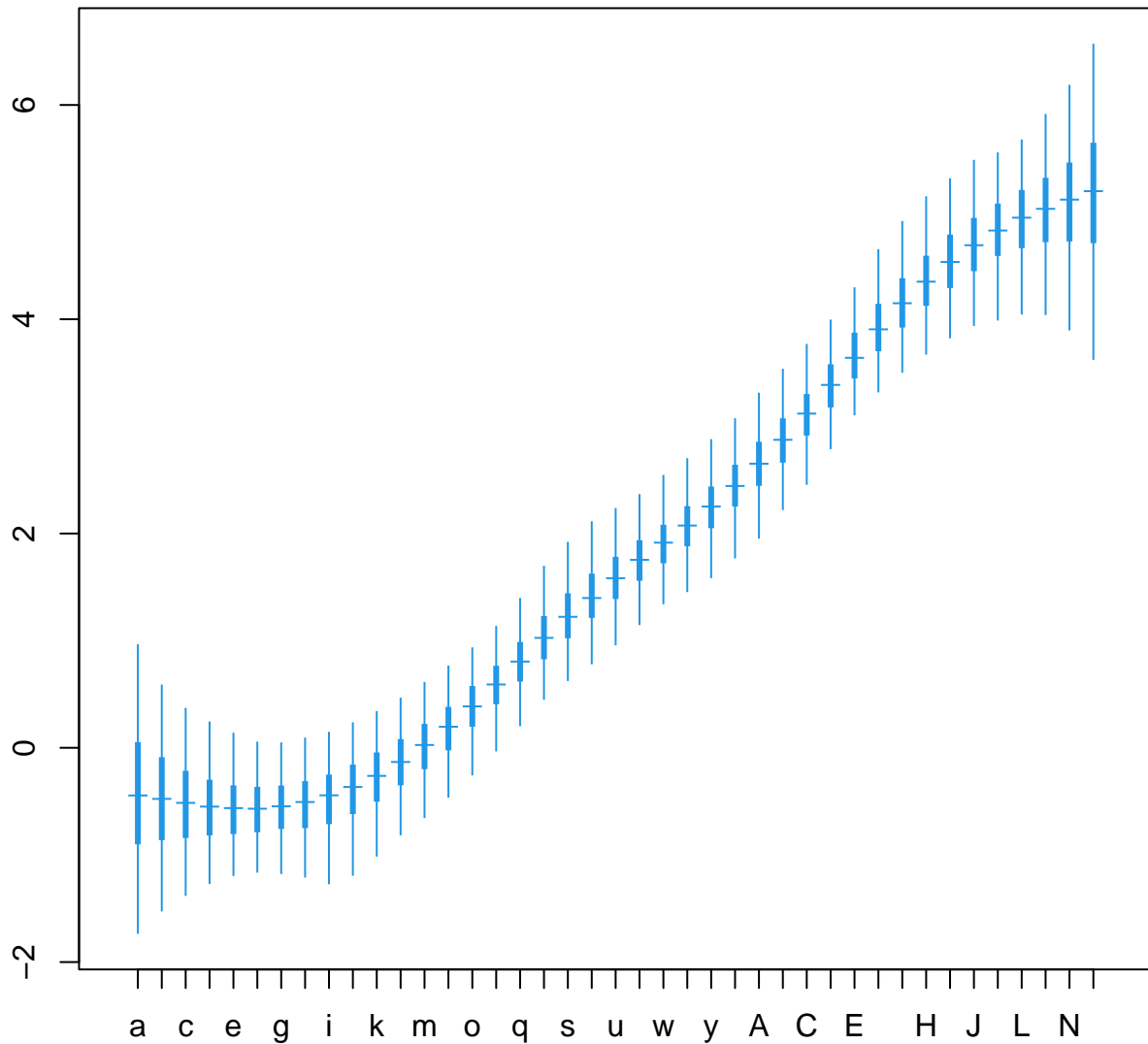




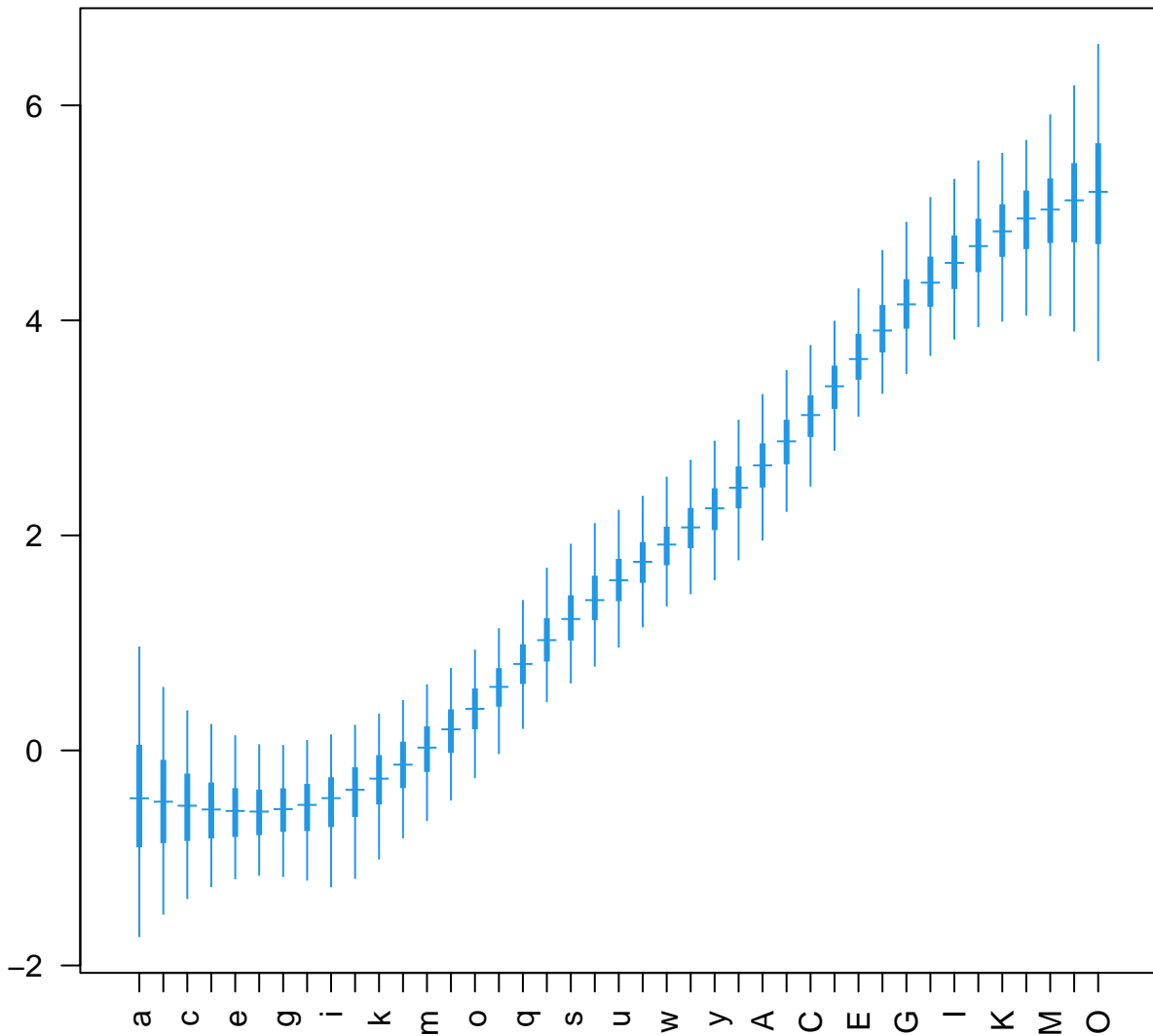
trend



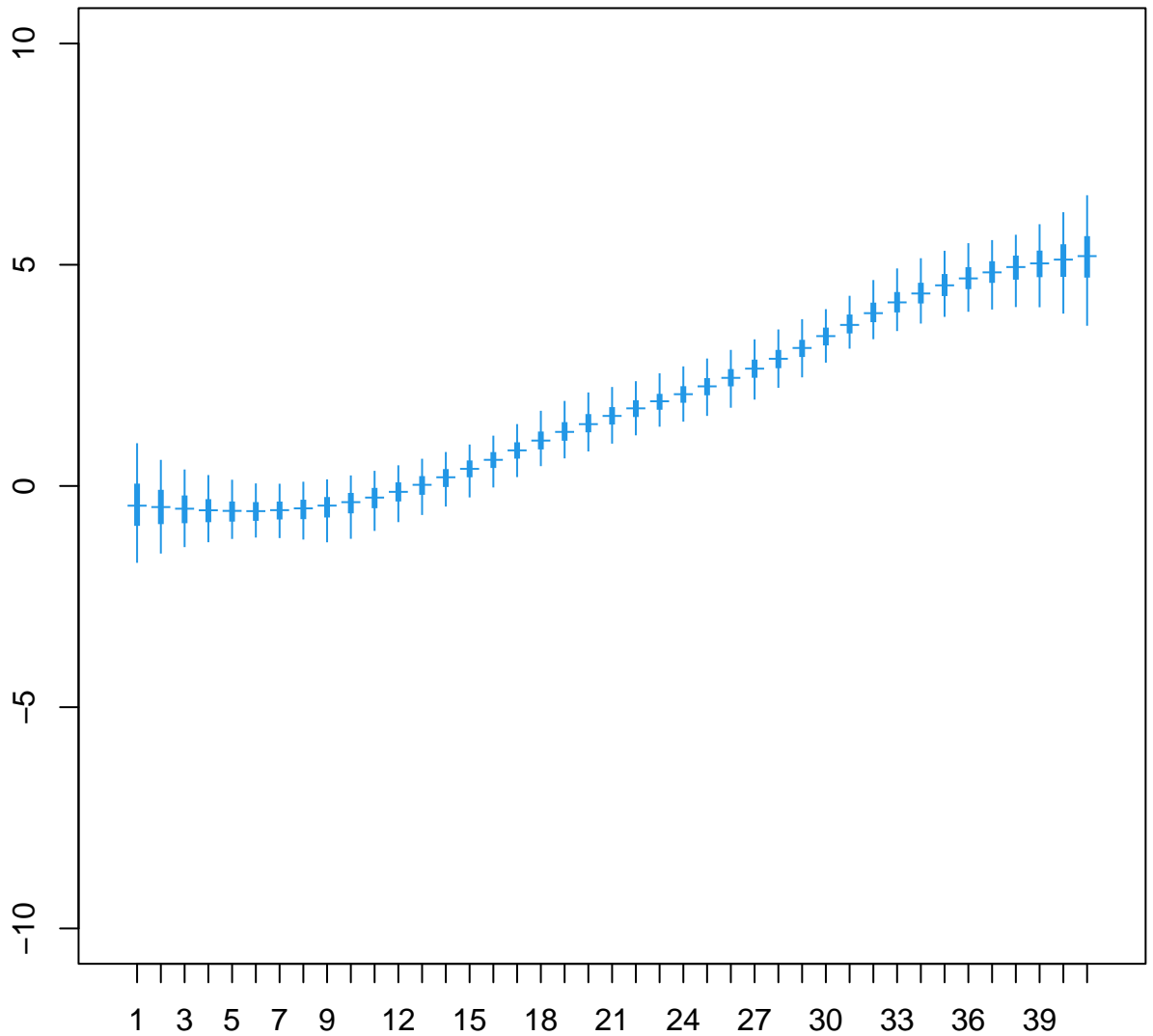
trend



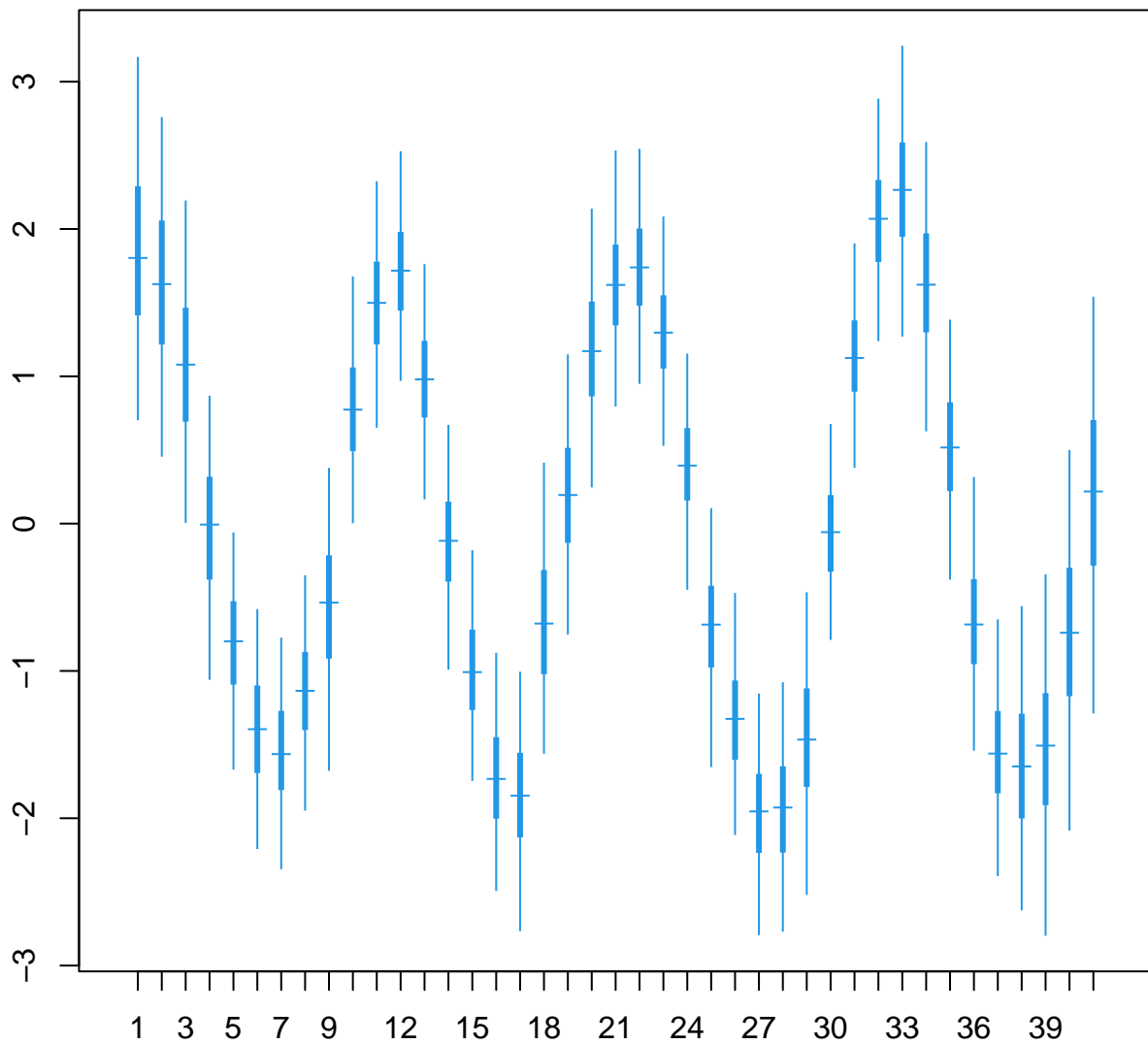
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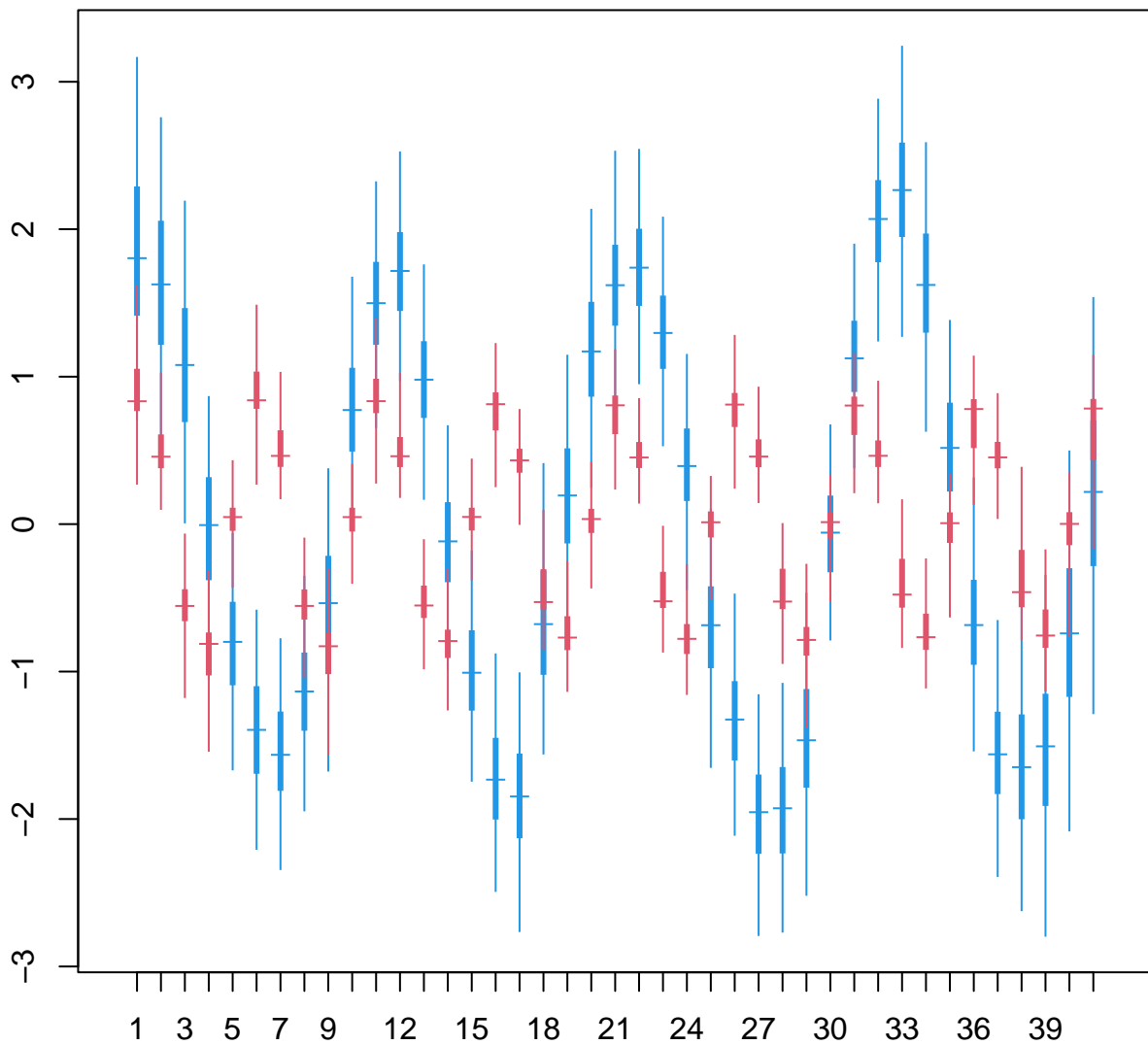
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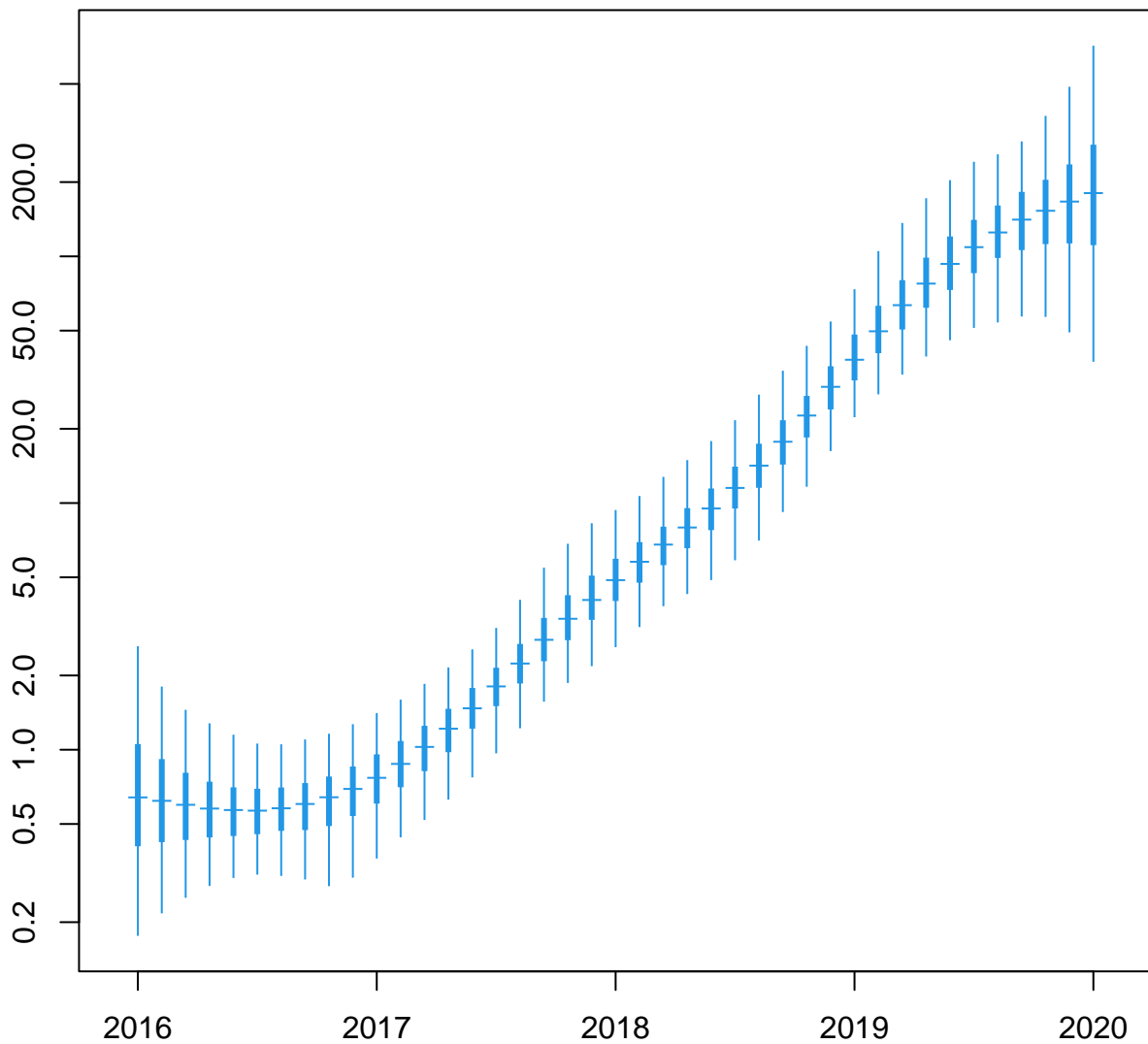


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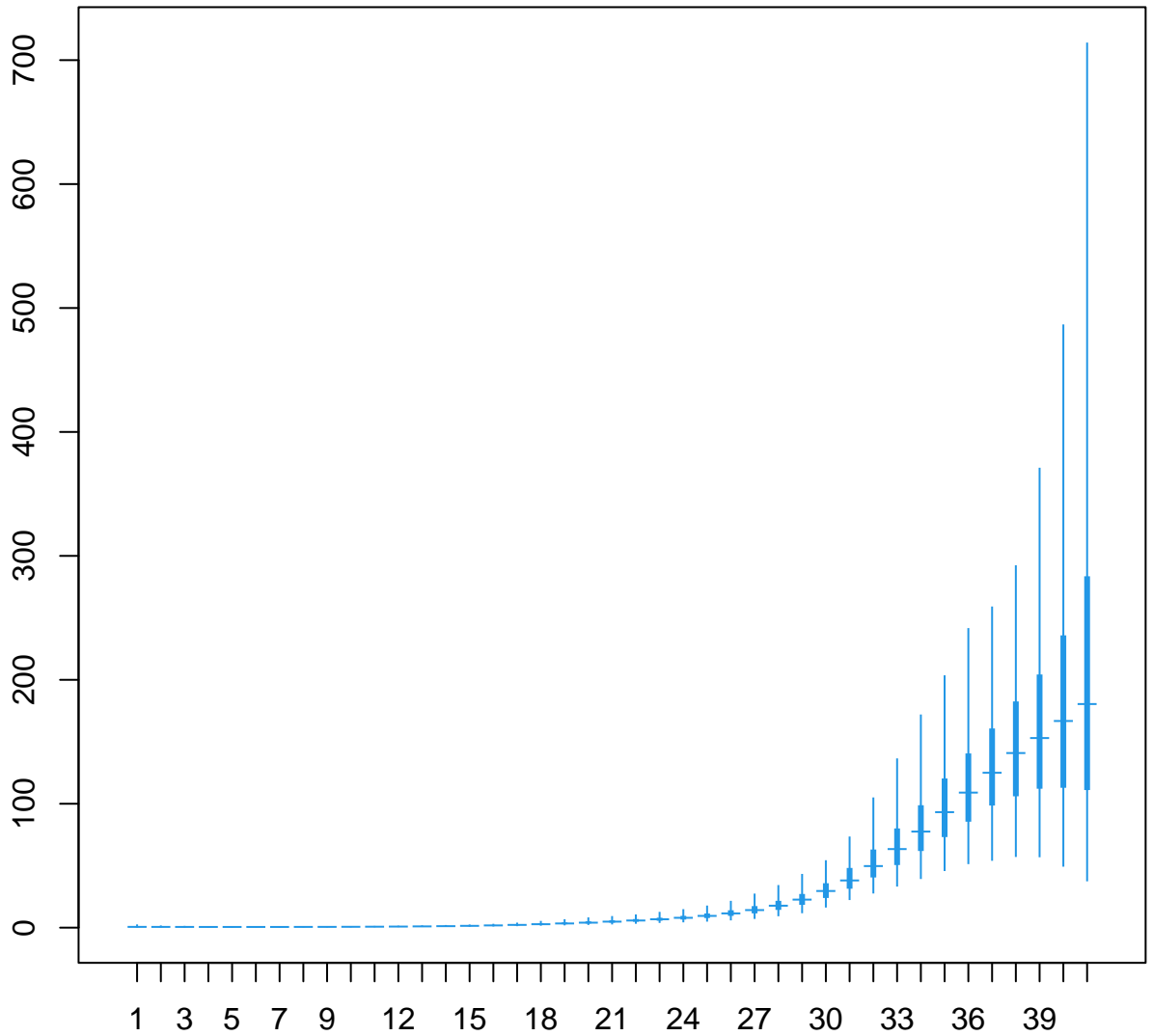


cycle_s

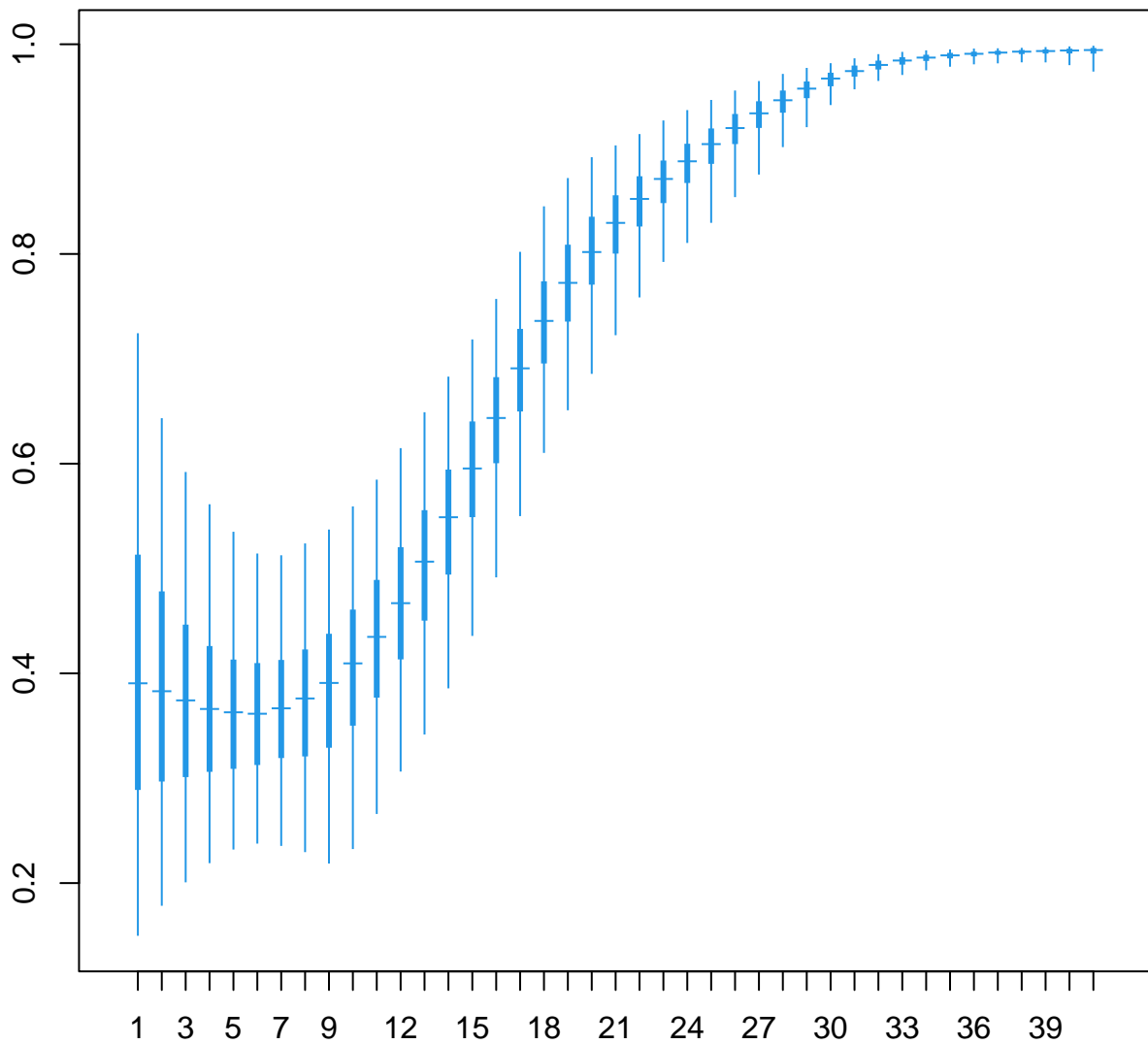


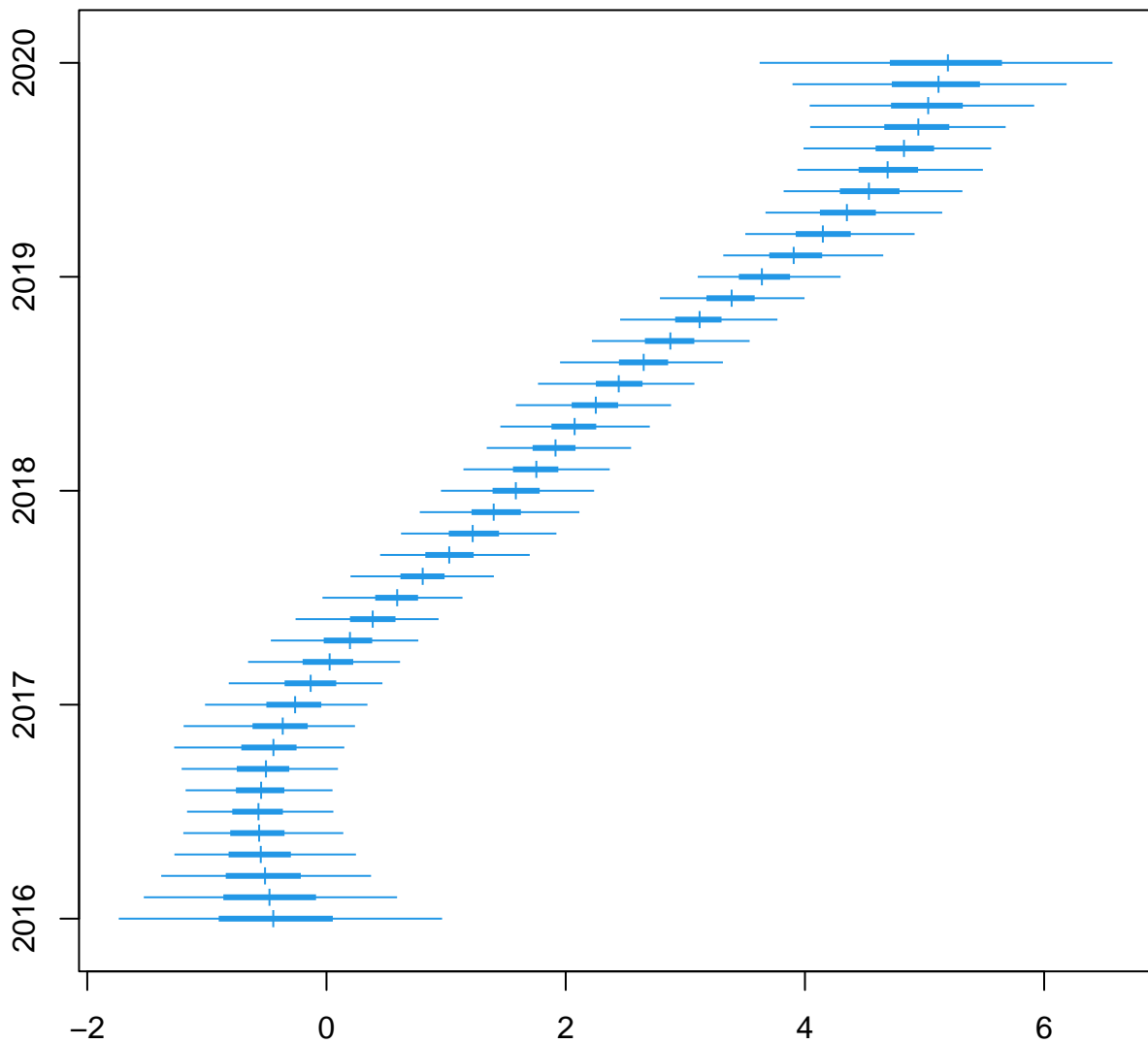


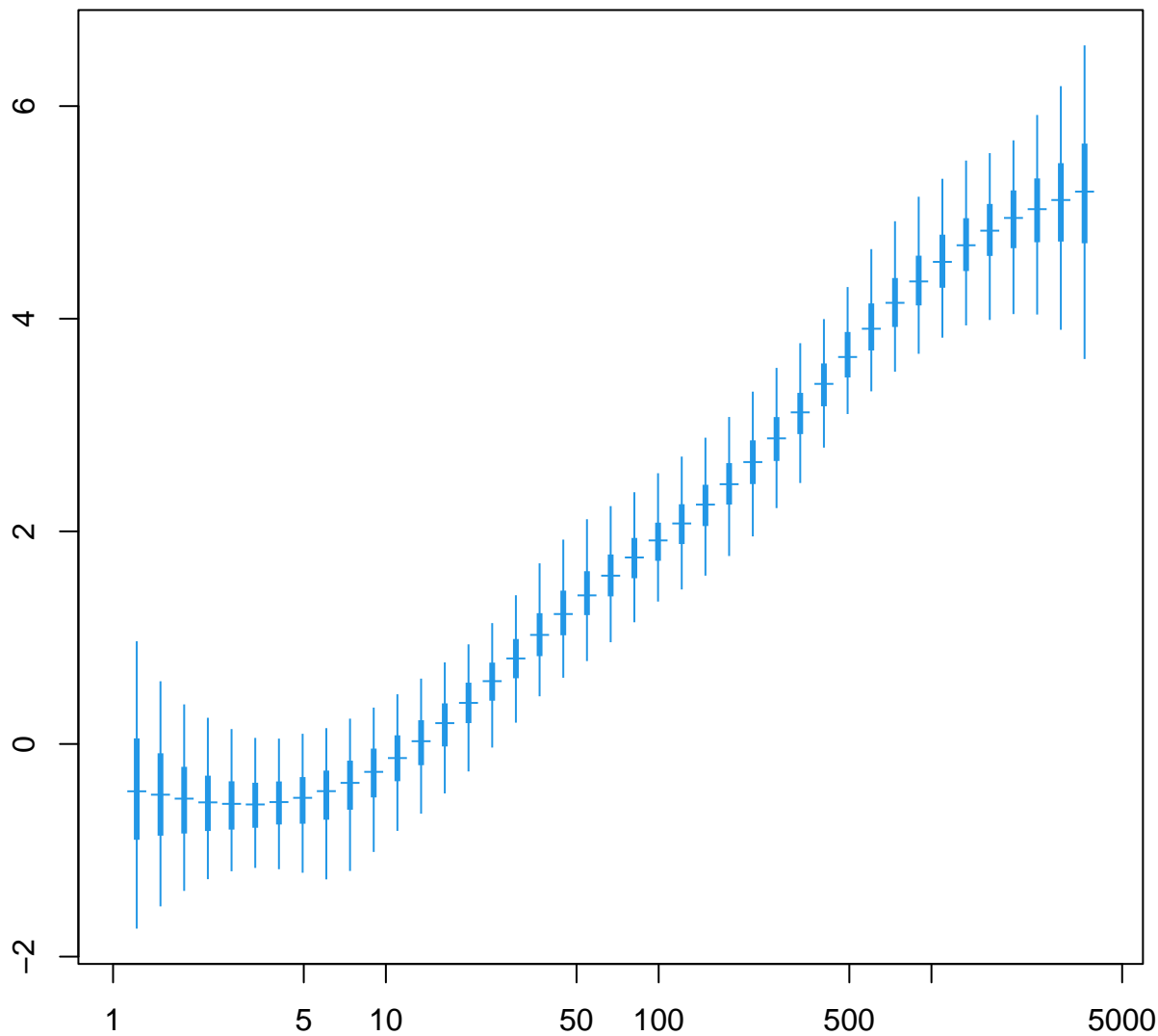
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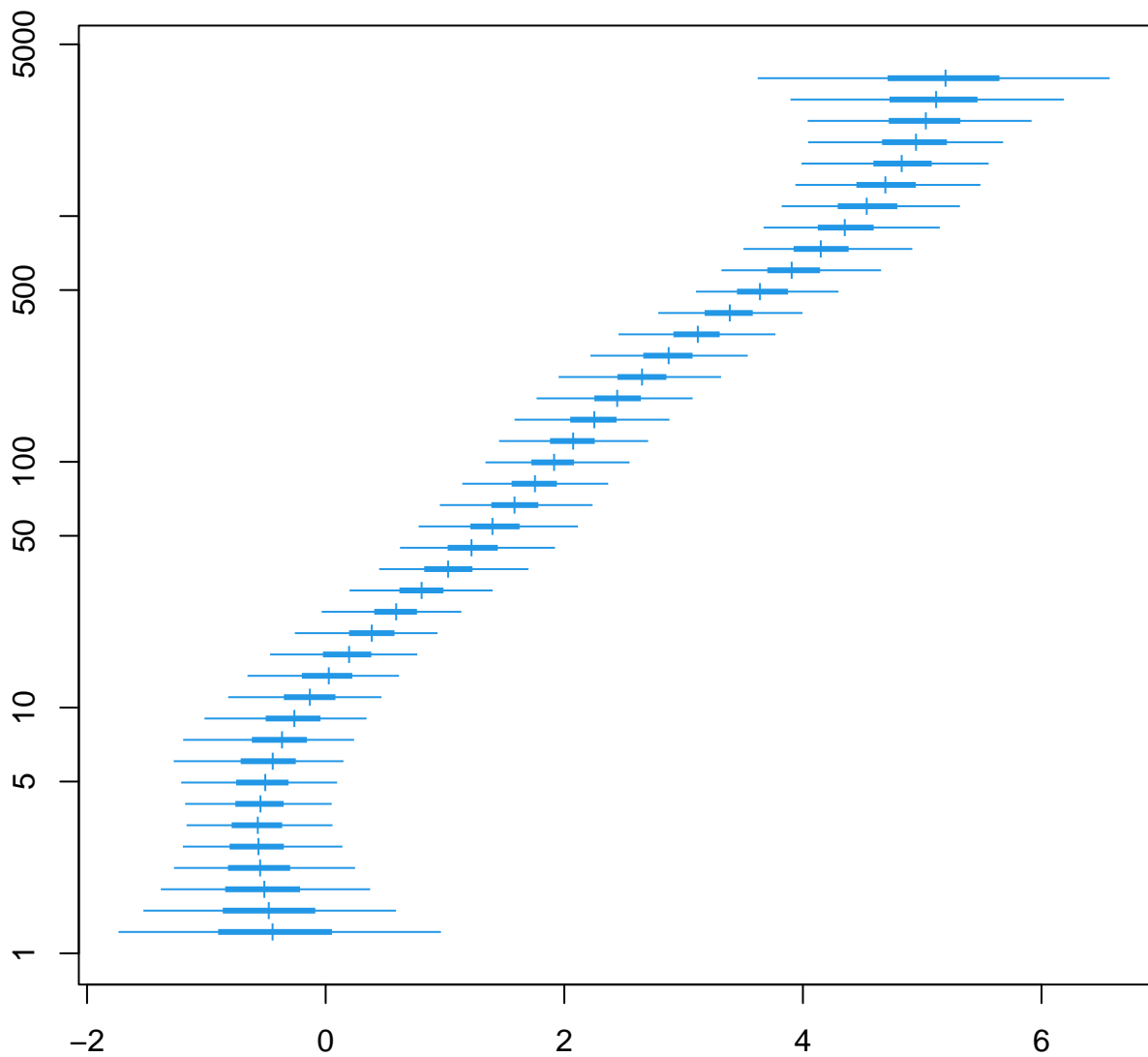


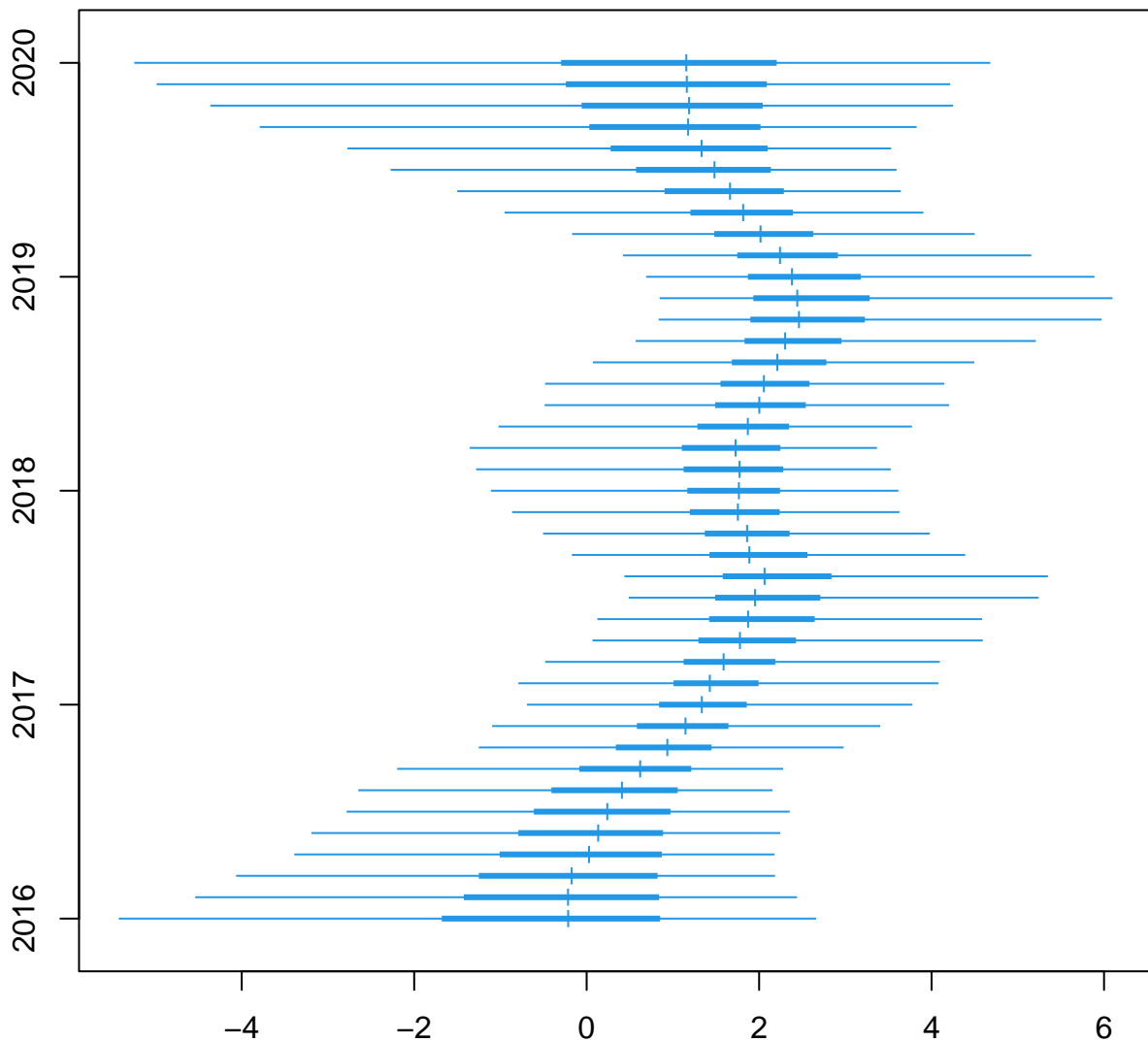
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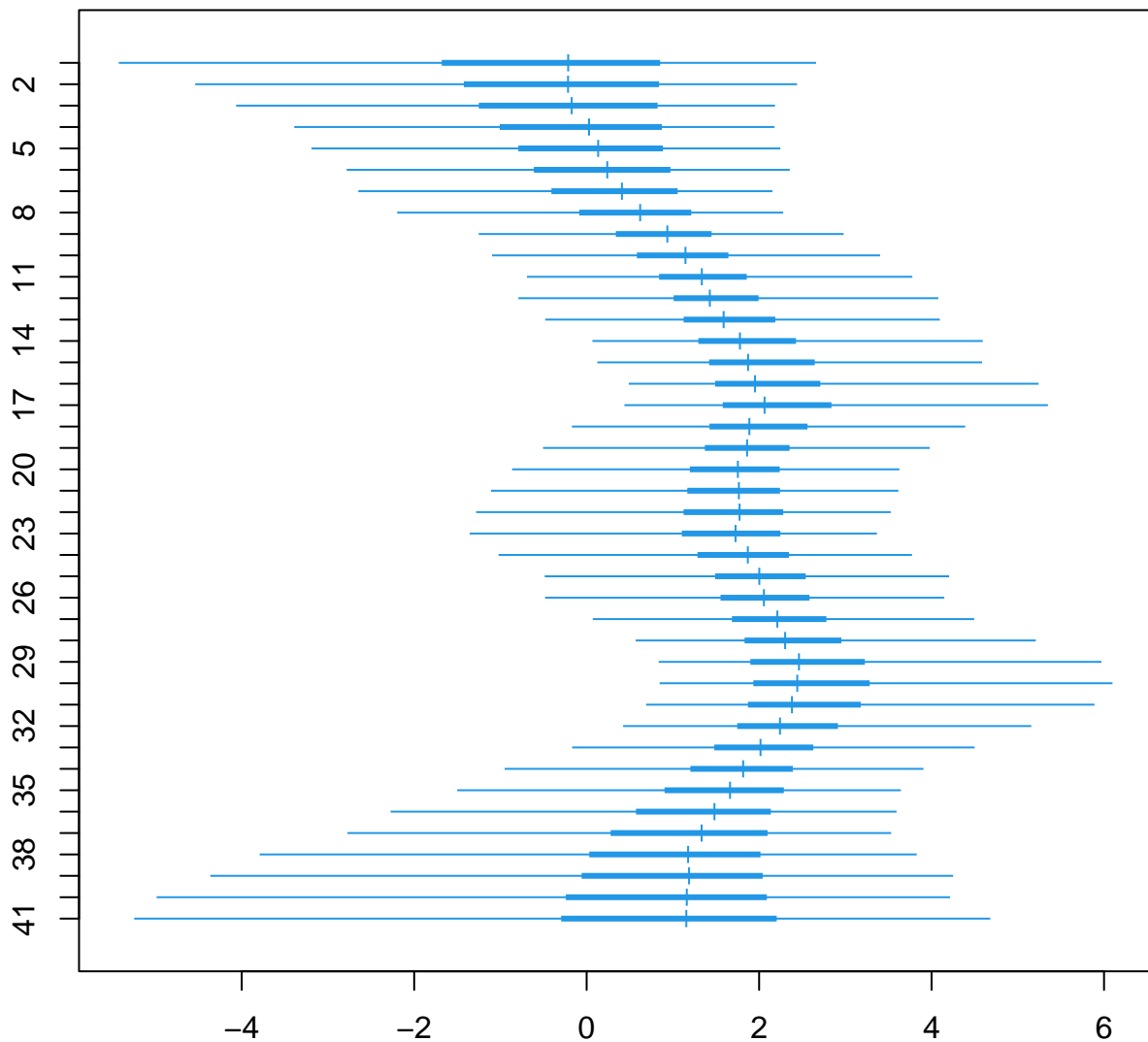


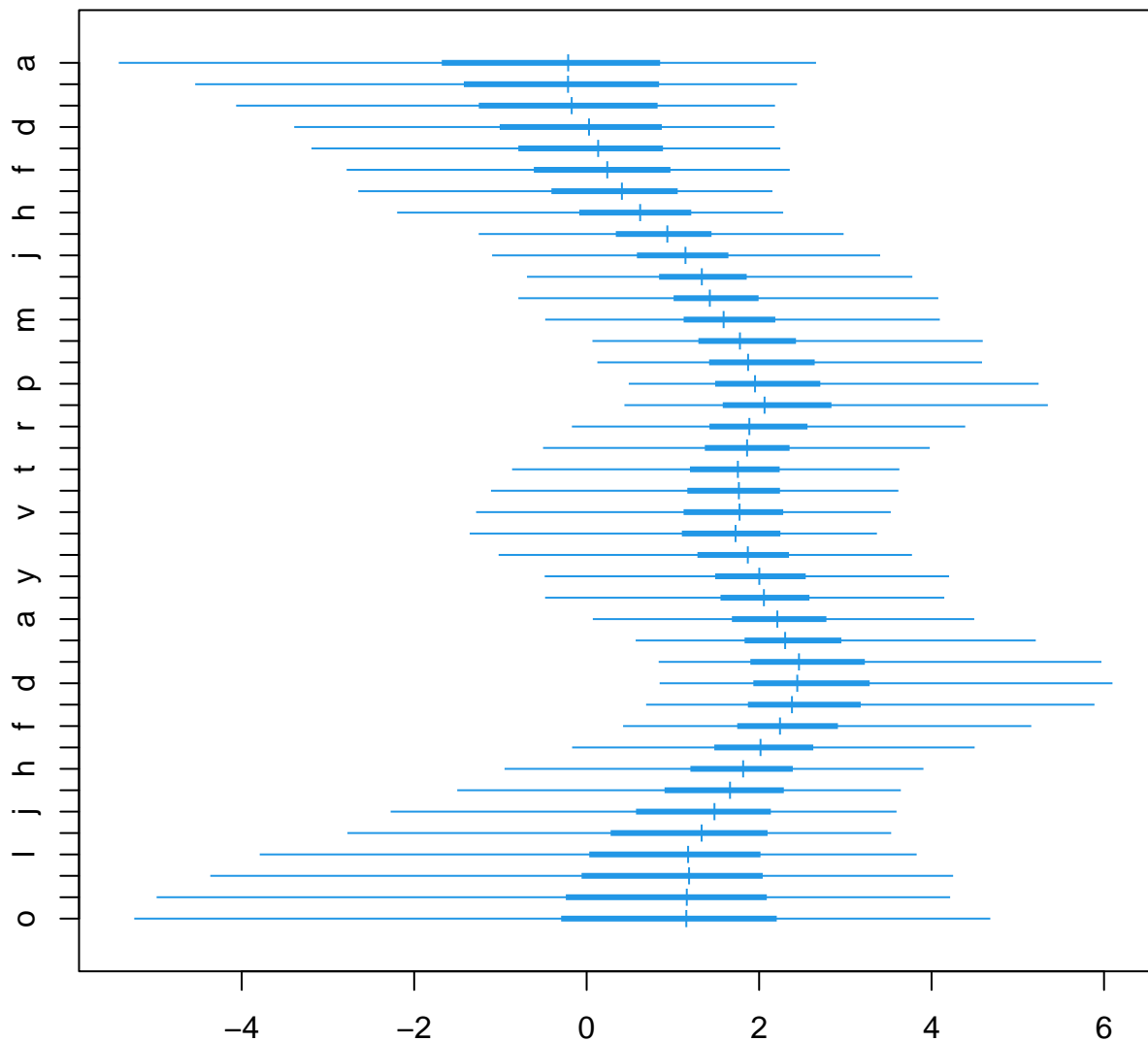


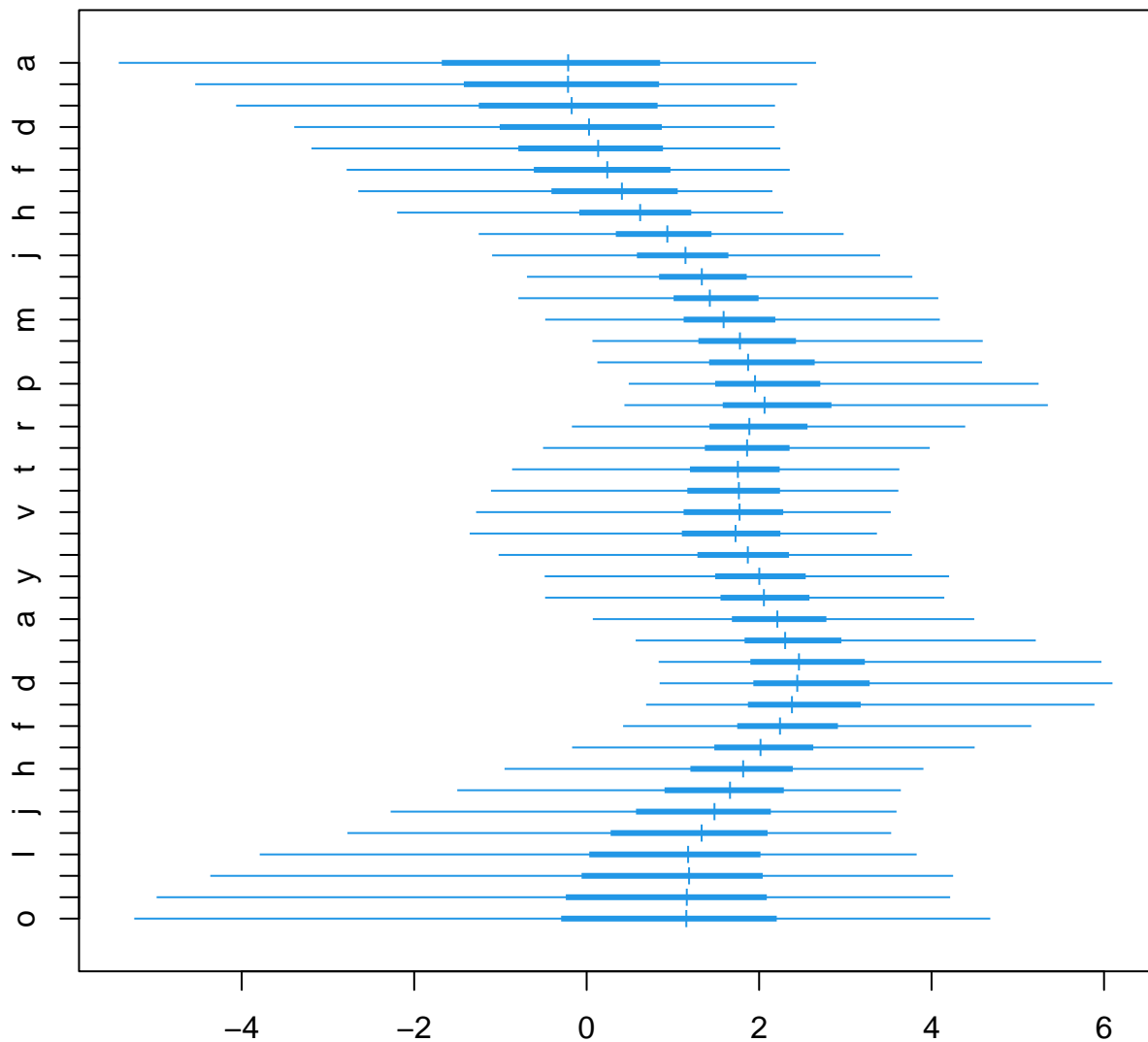


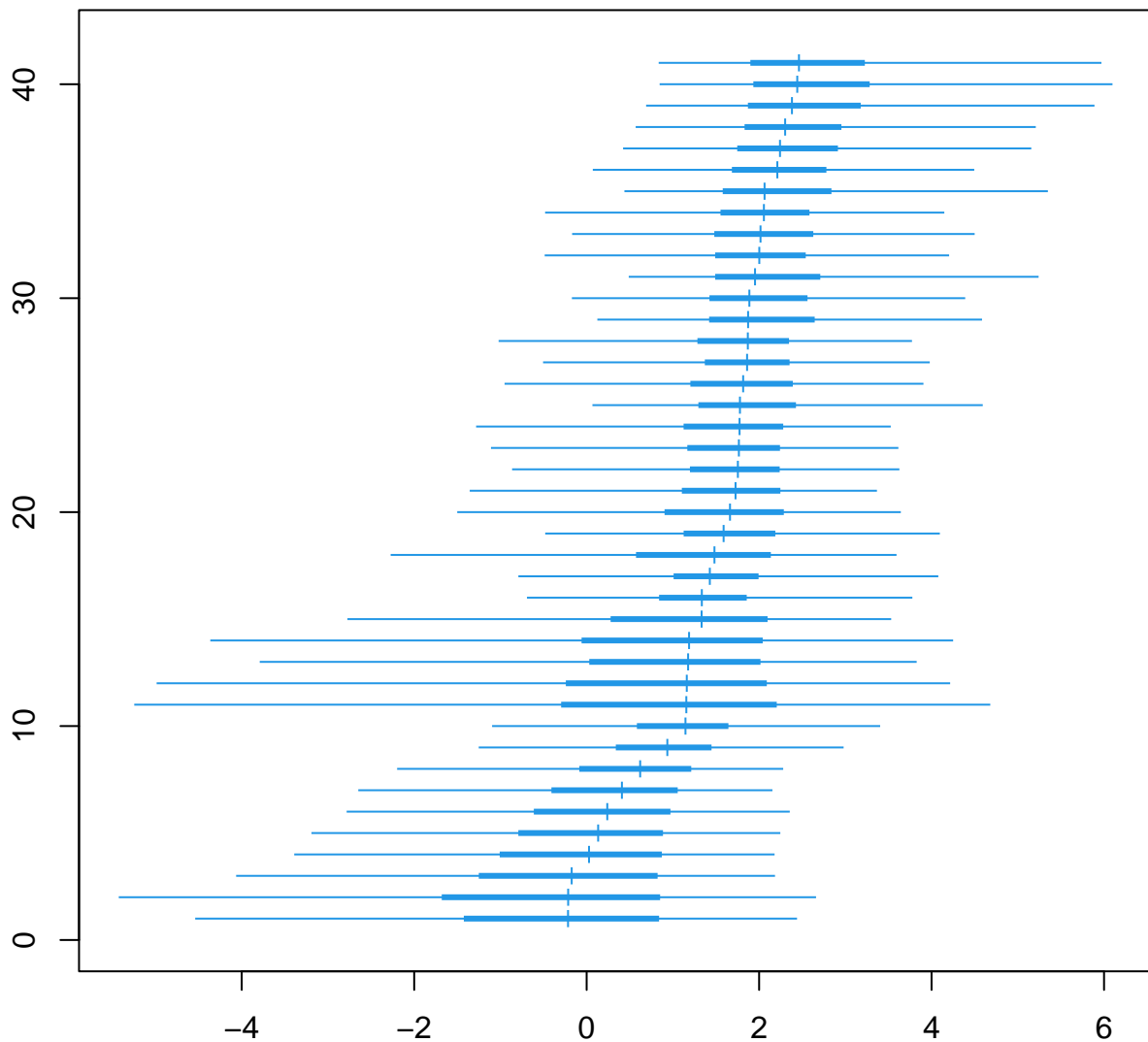


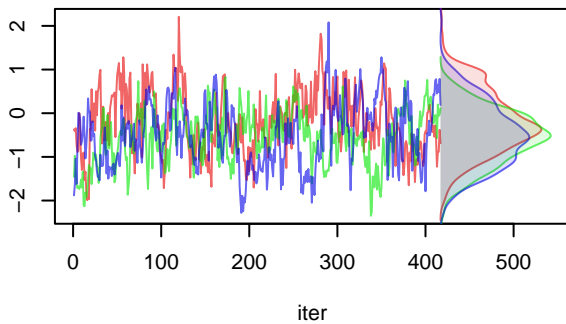
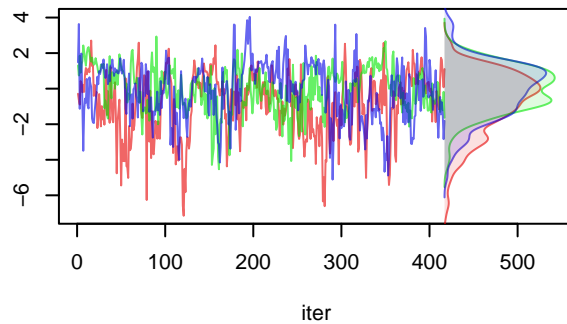
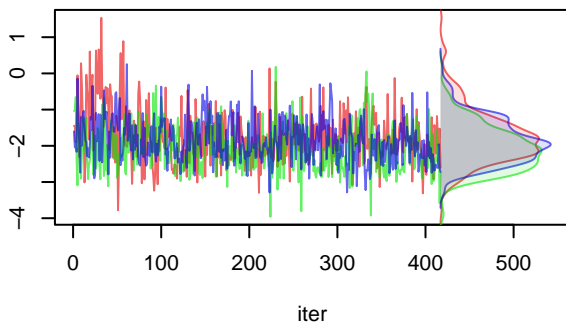
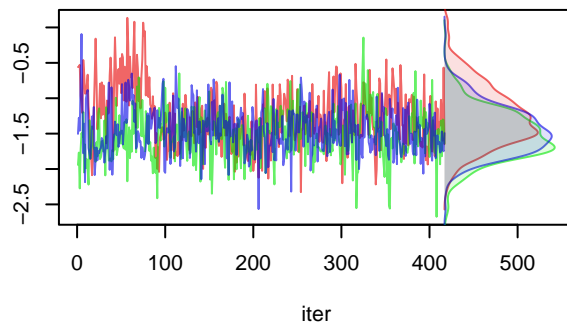
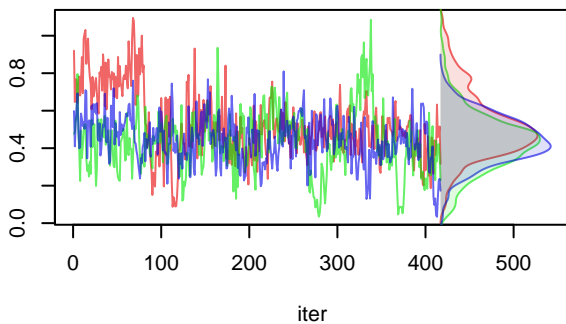
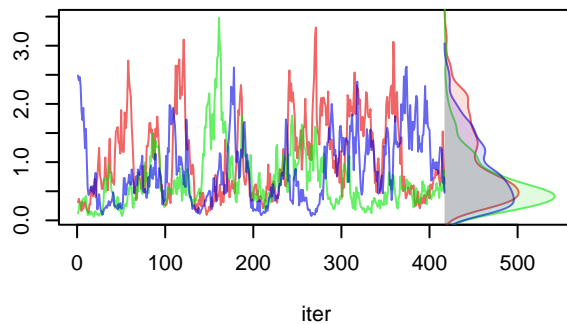


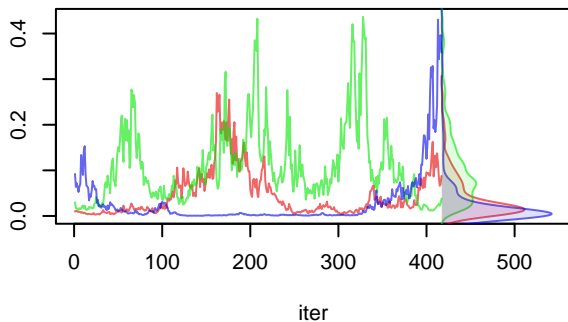
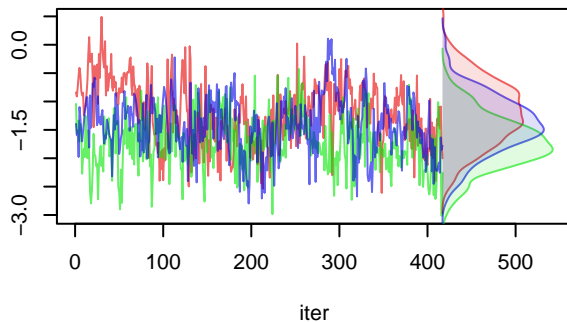
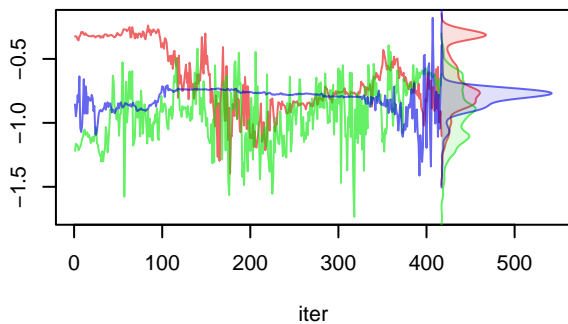
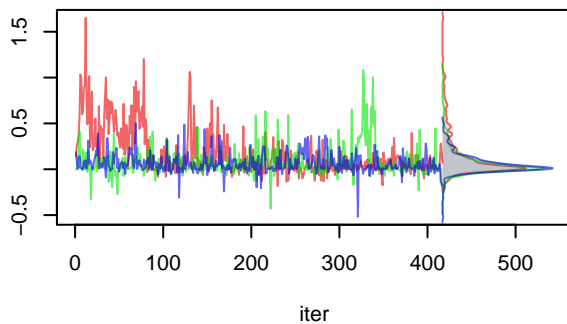
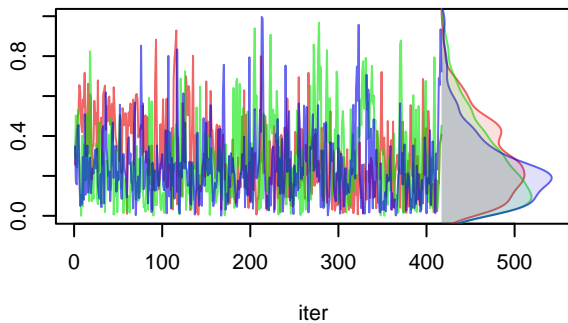
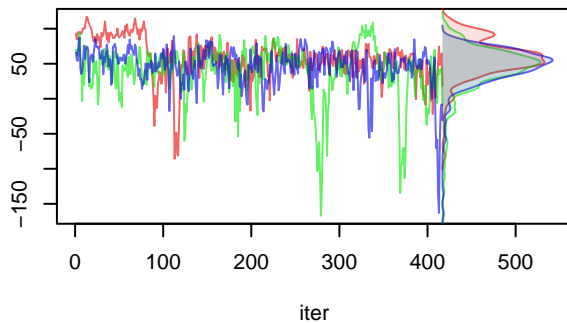


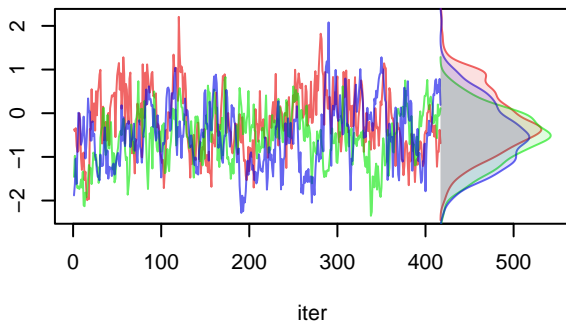
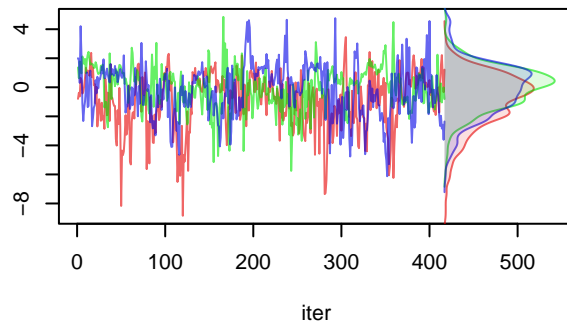
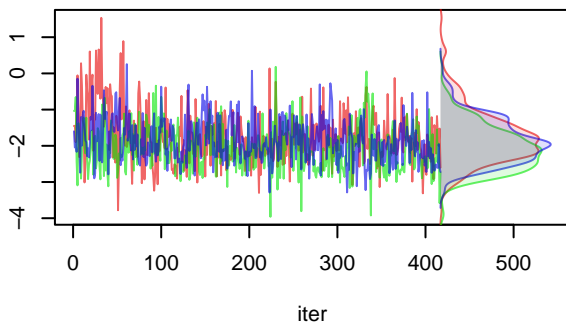
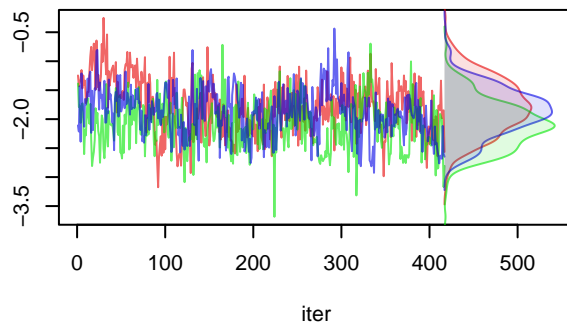
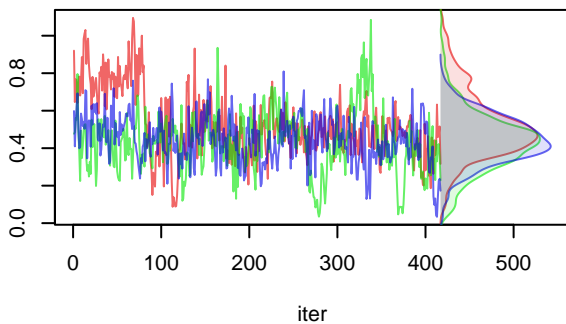
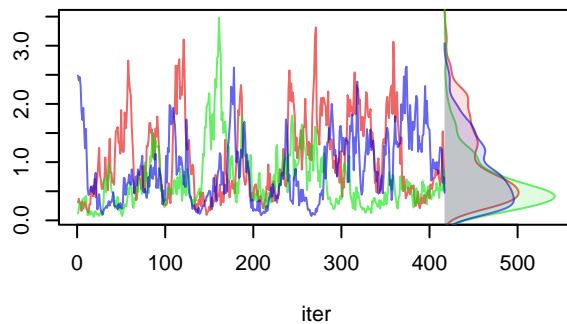


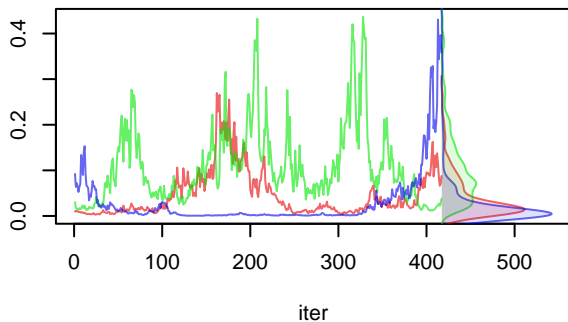
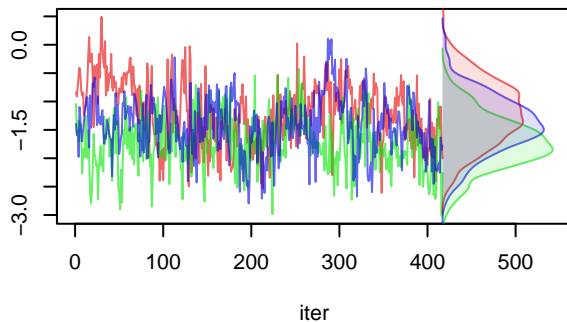
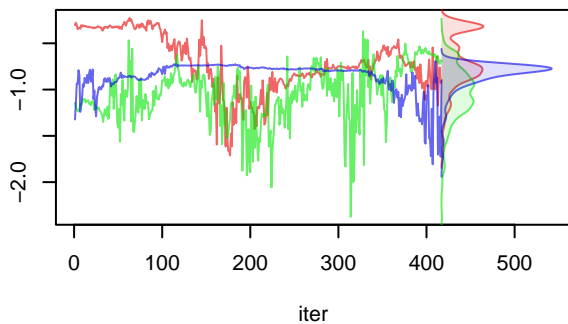
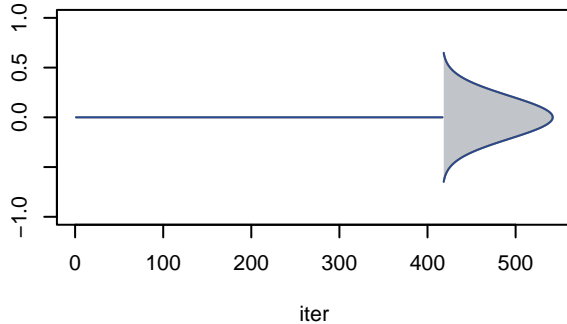
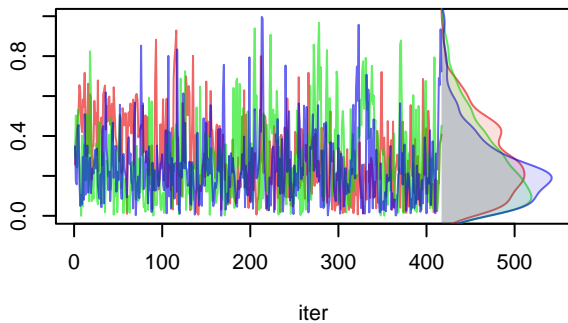
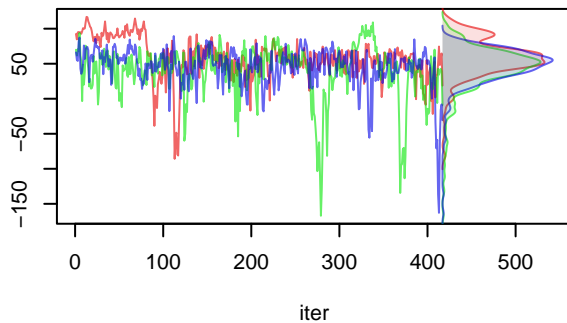




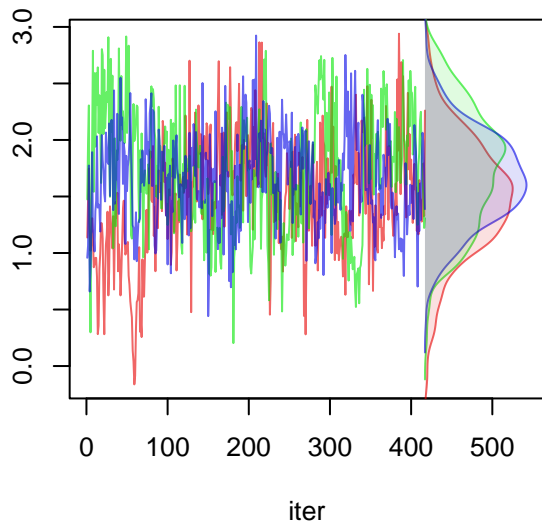
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sig_omega[2]**cycle[9]****cycle_s[14,2]****ar1[21]****phi****deviance**

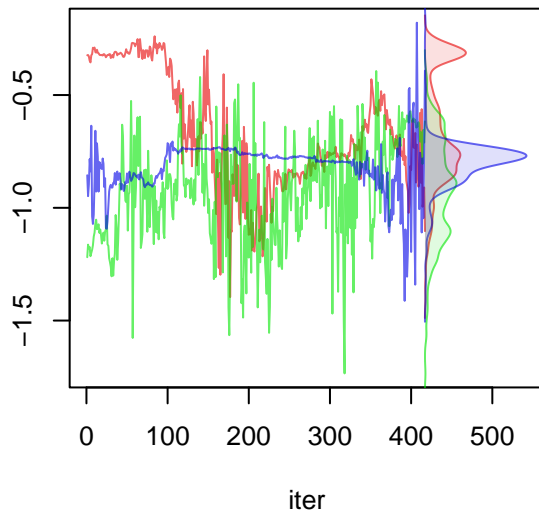
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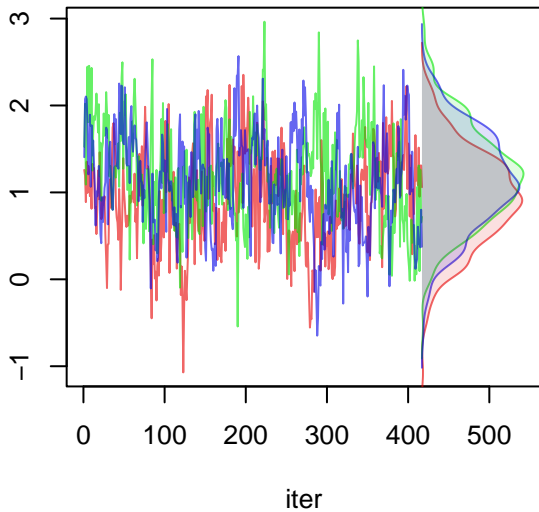
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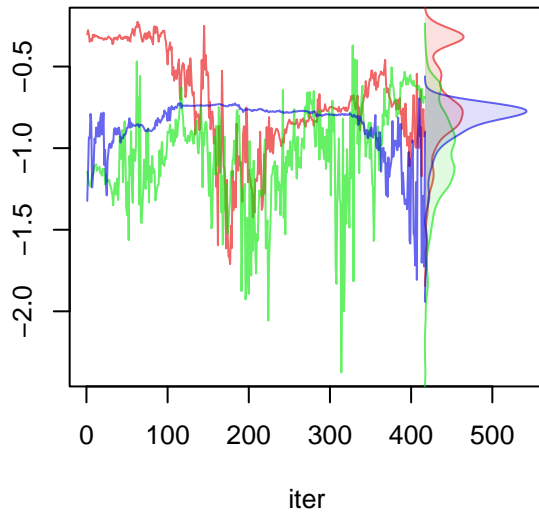
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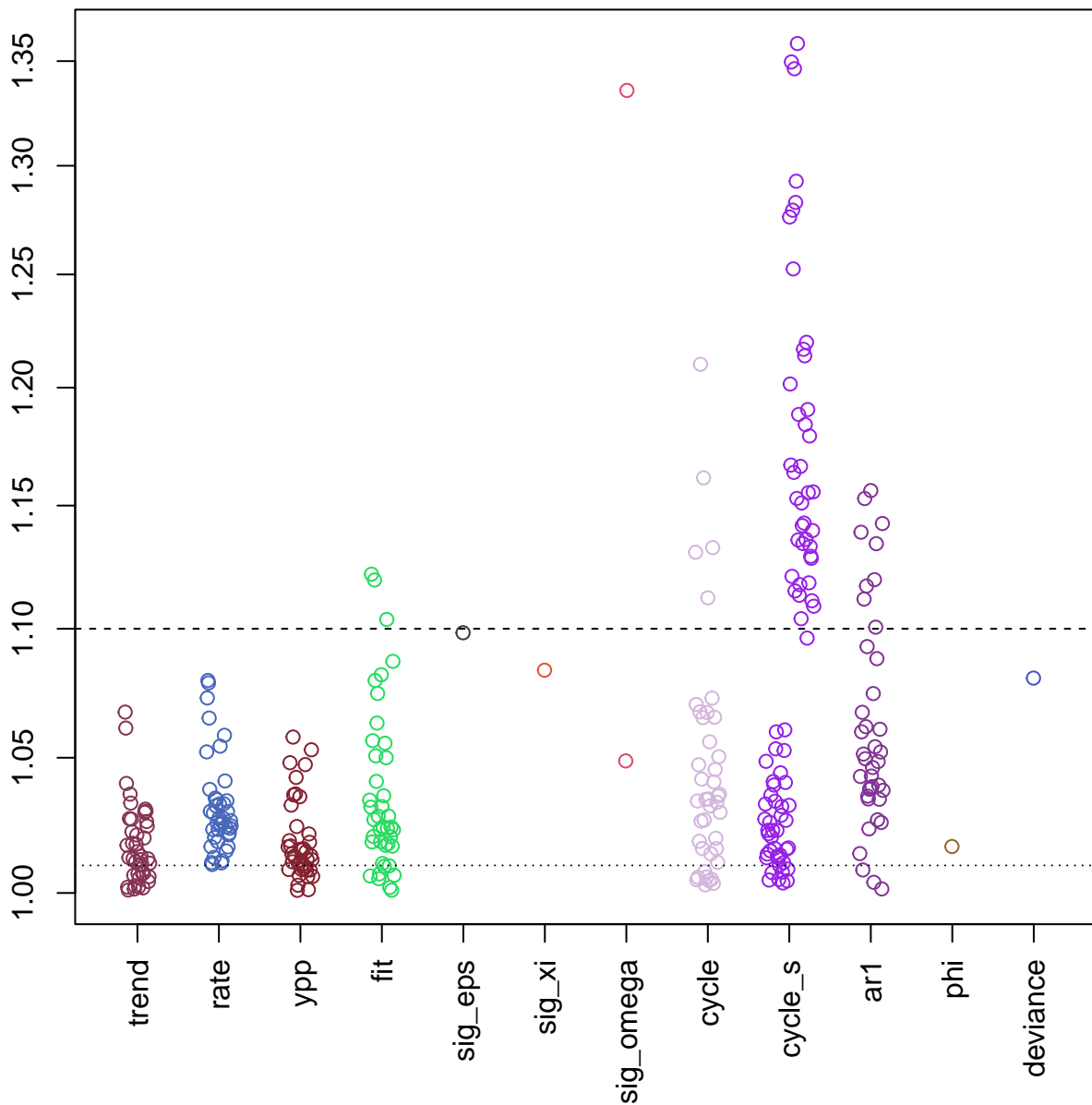
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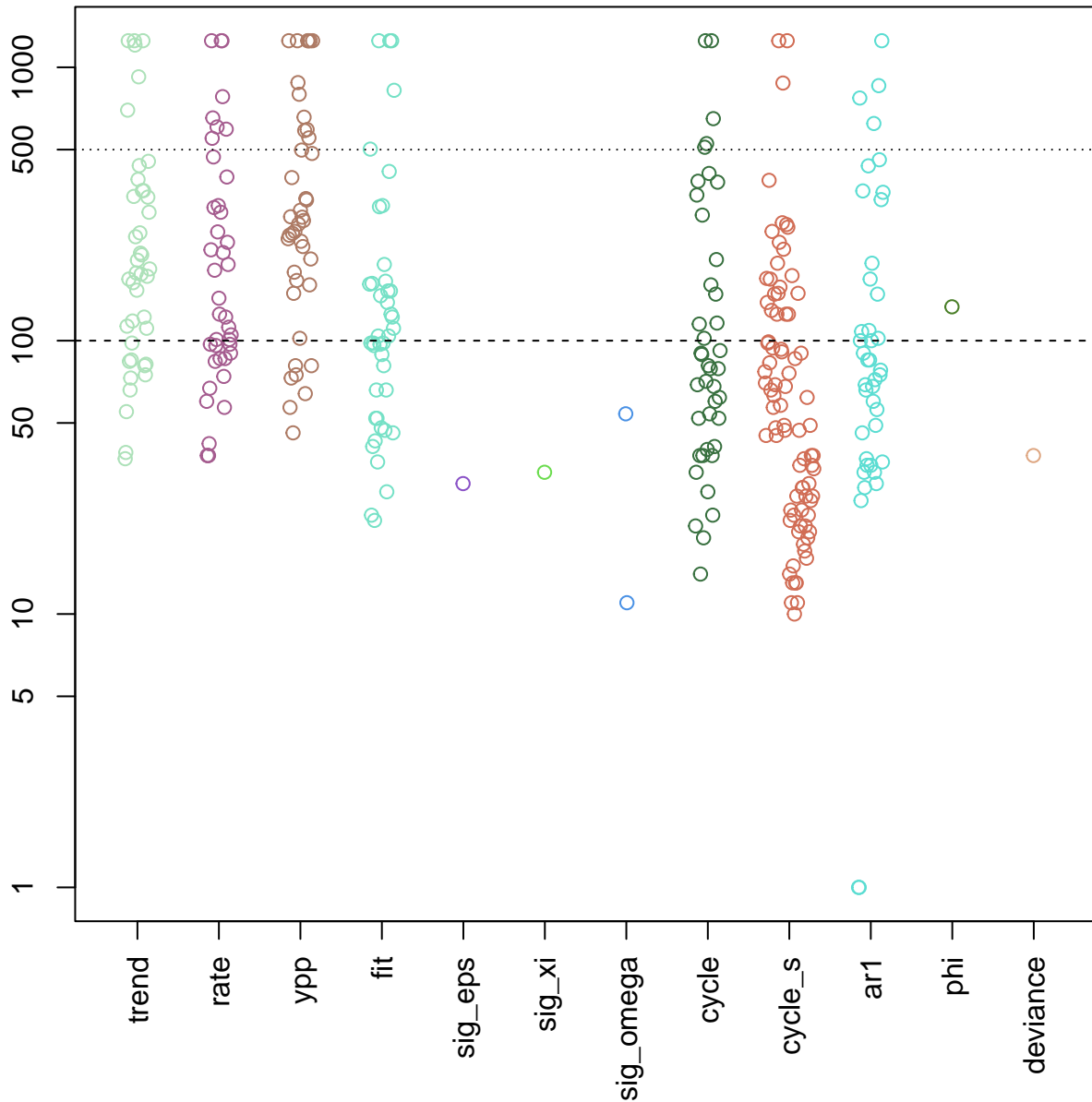
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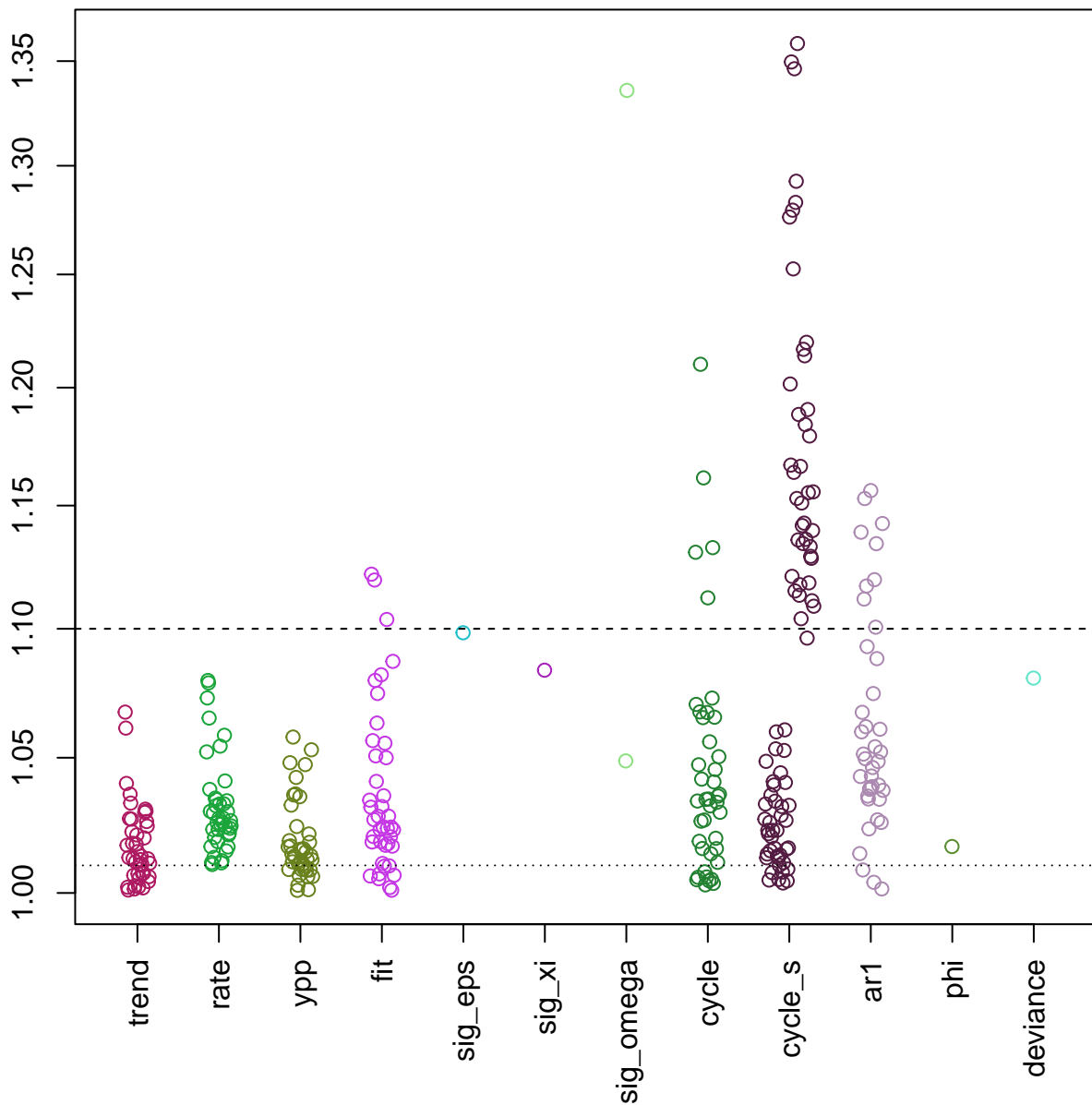
R hat



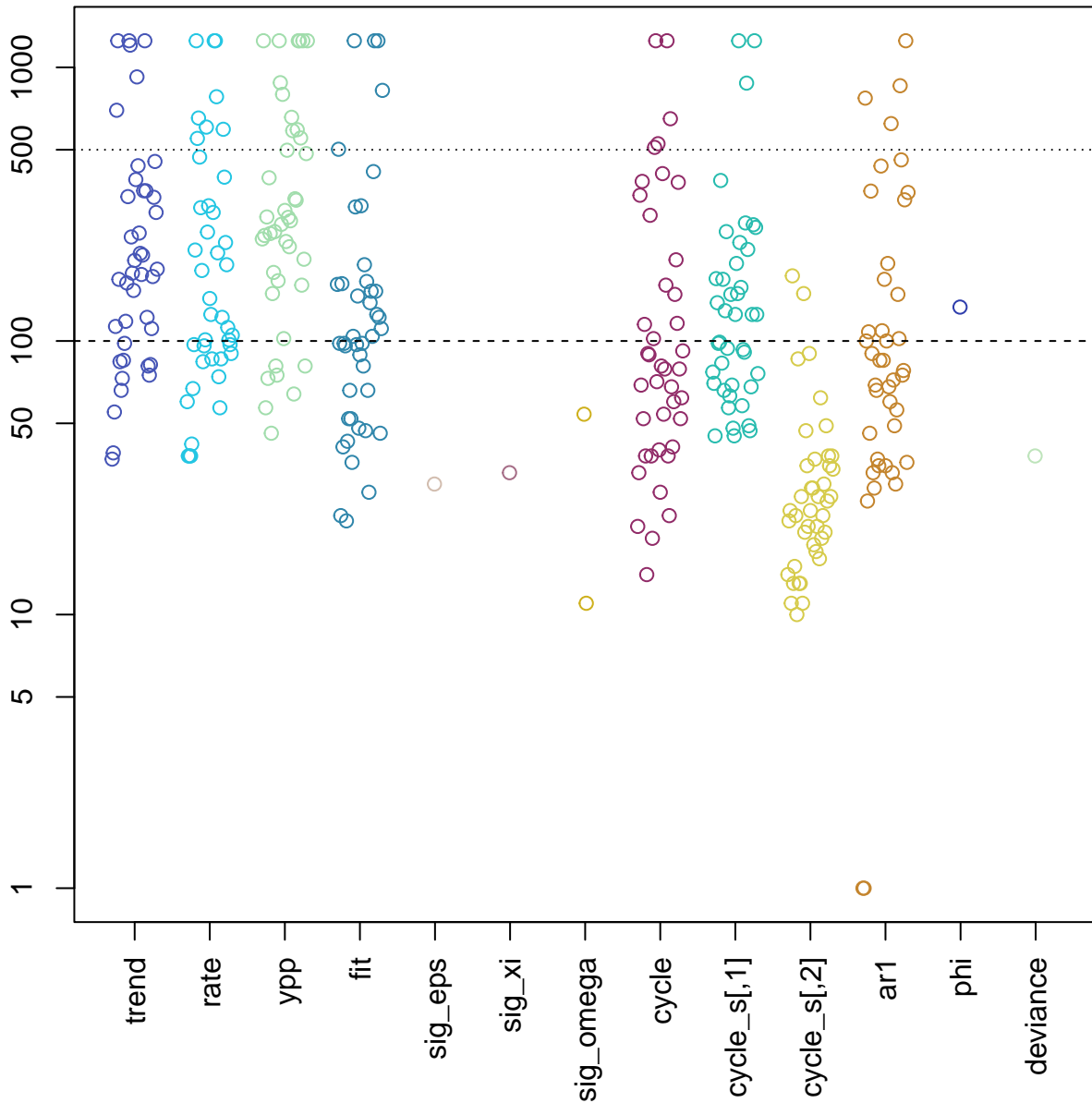
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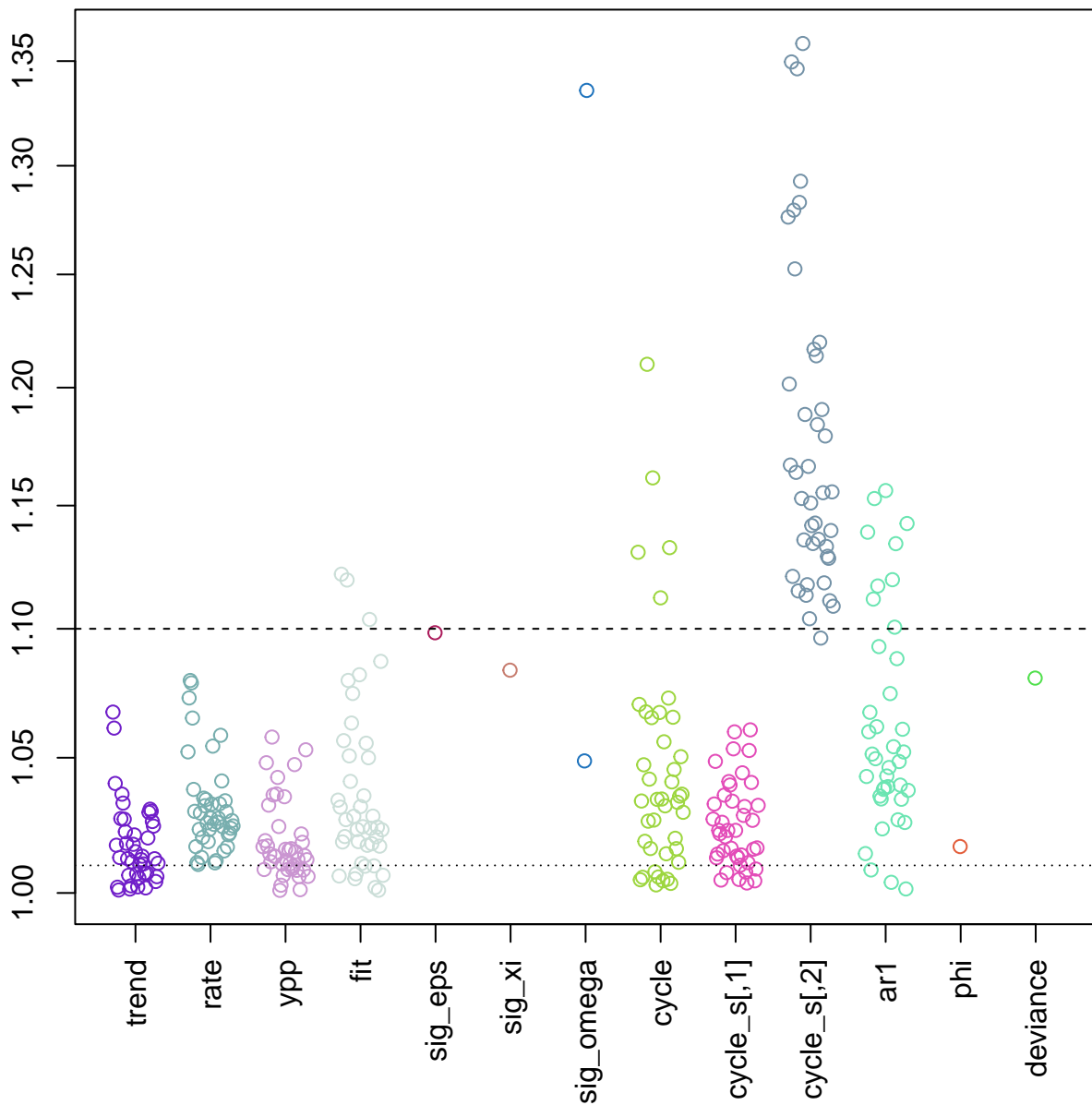
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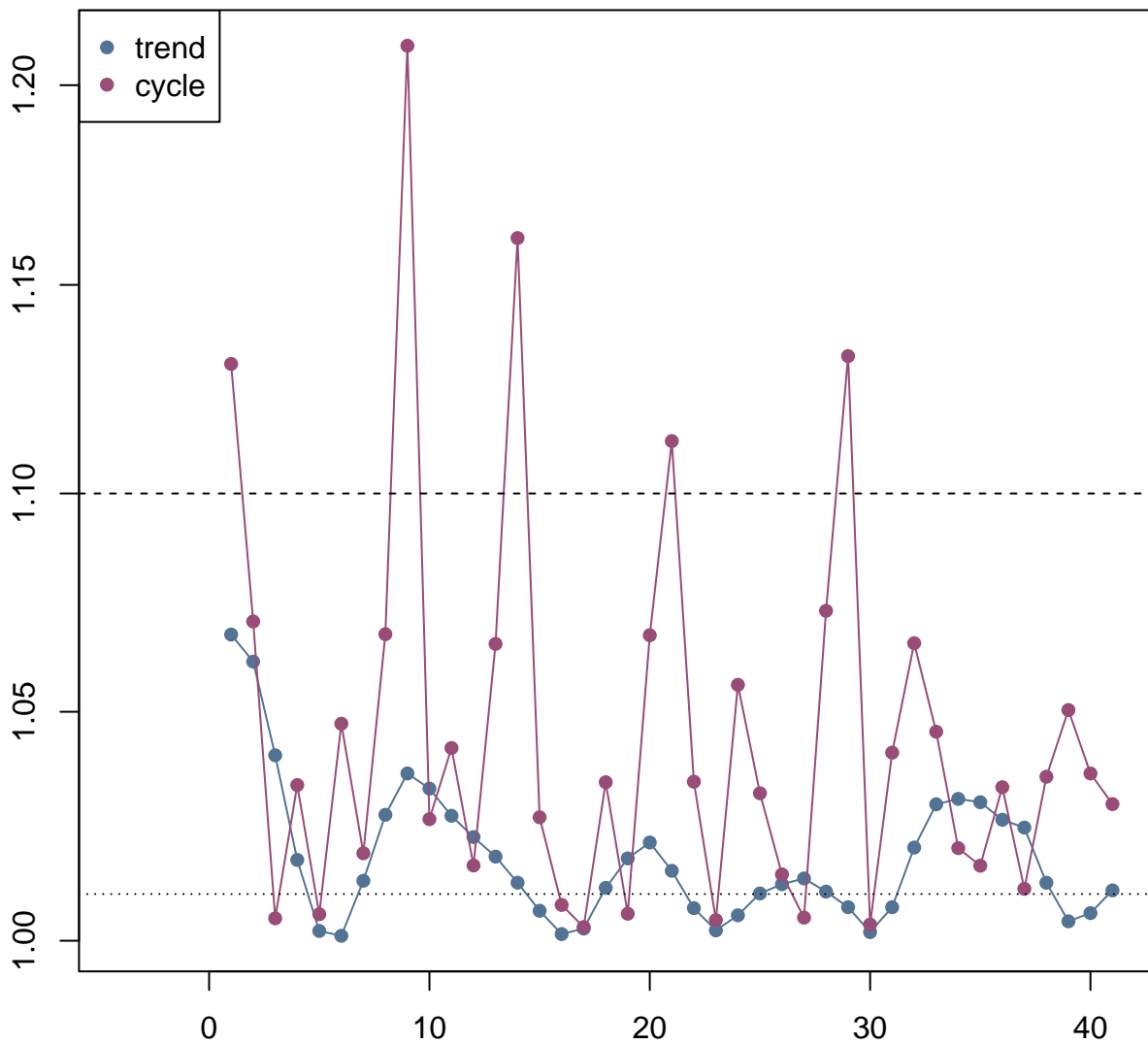
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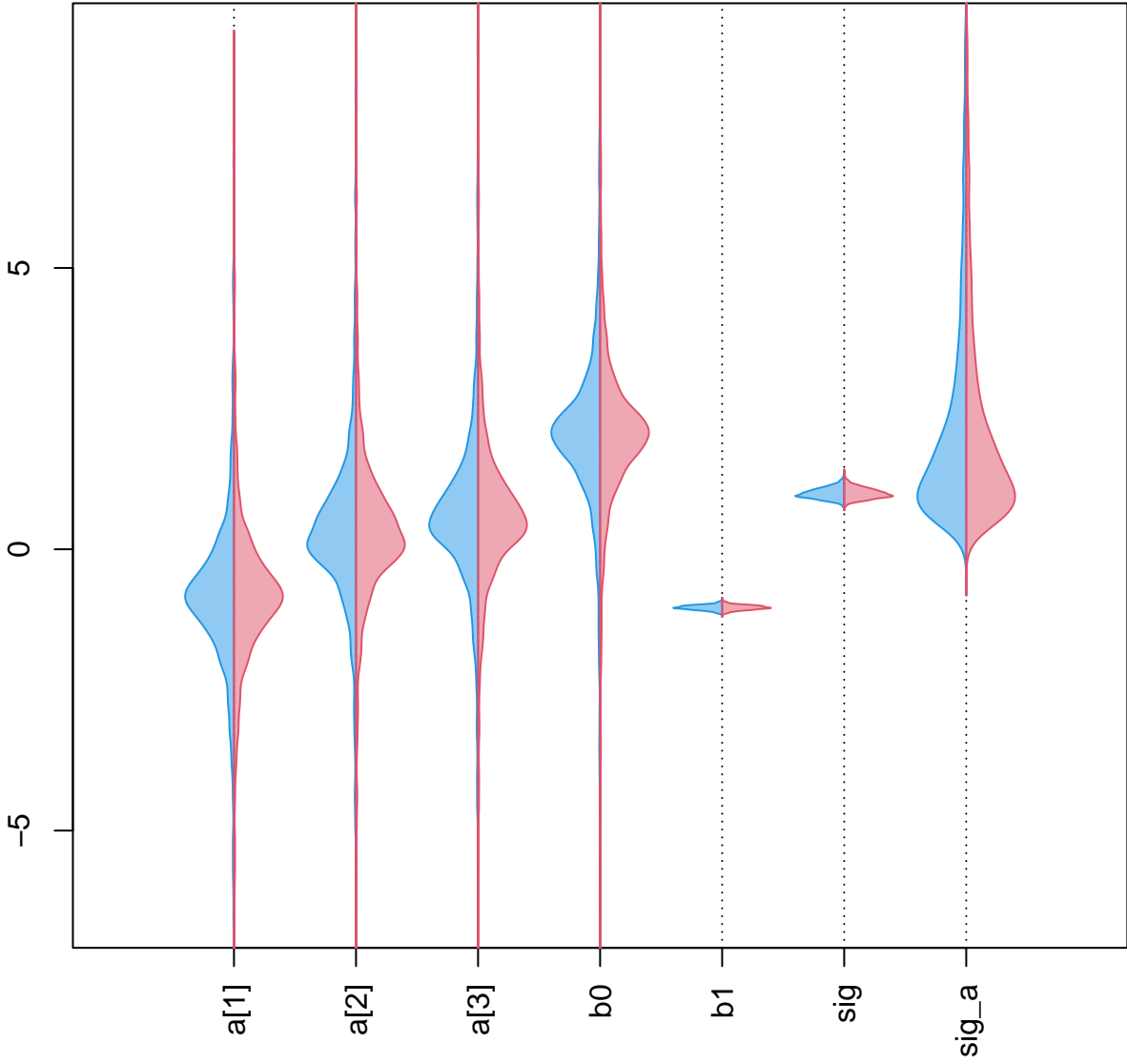


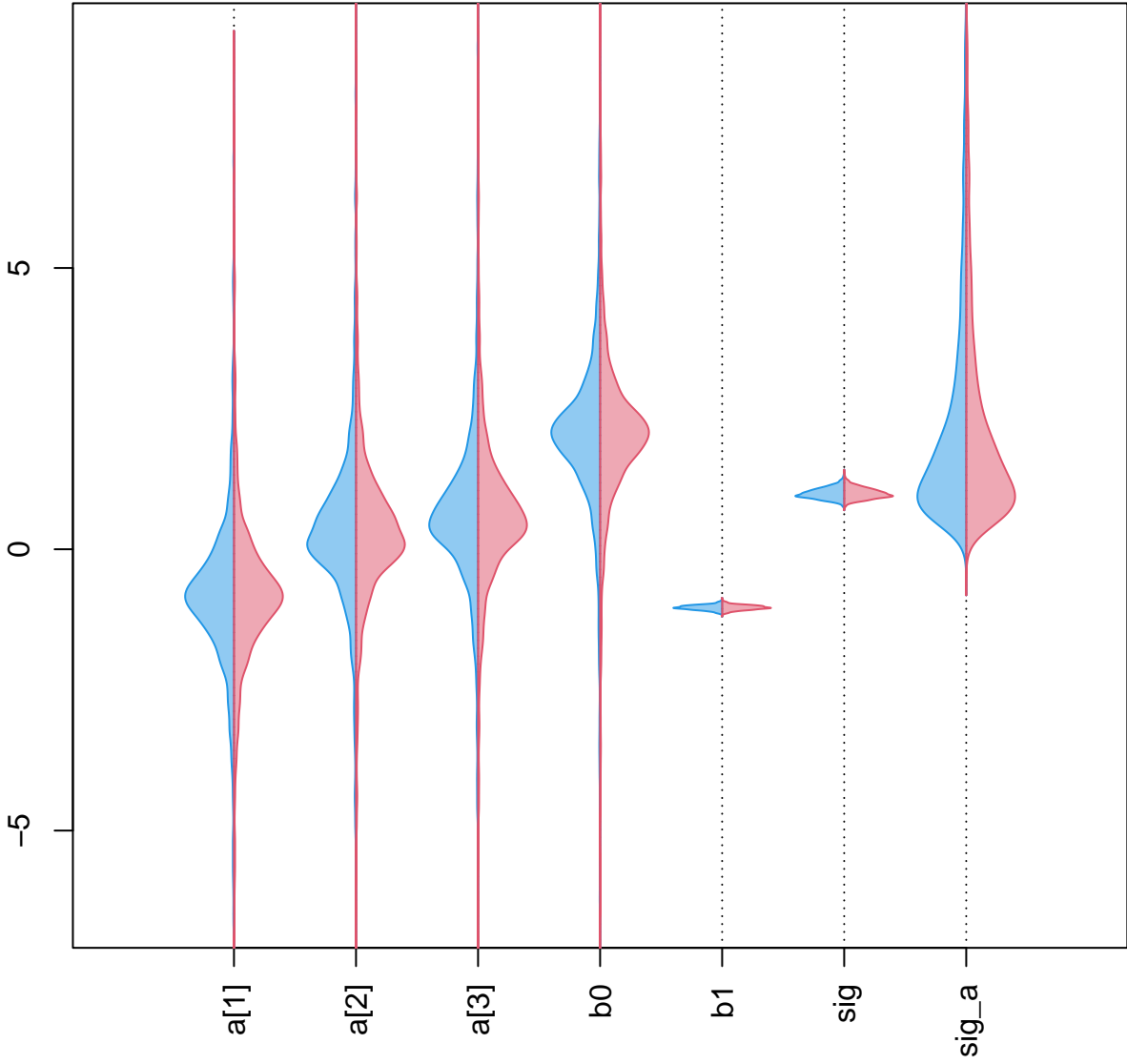
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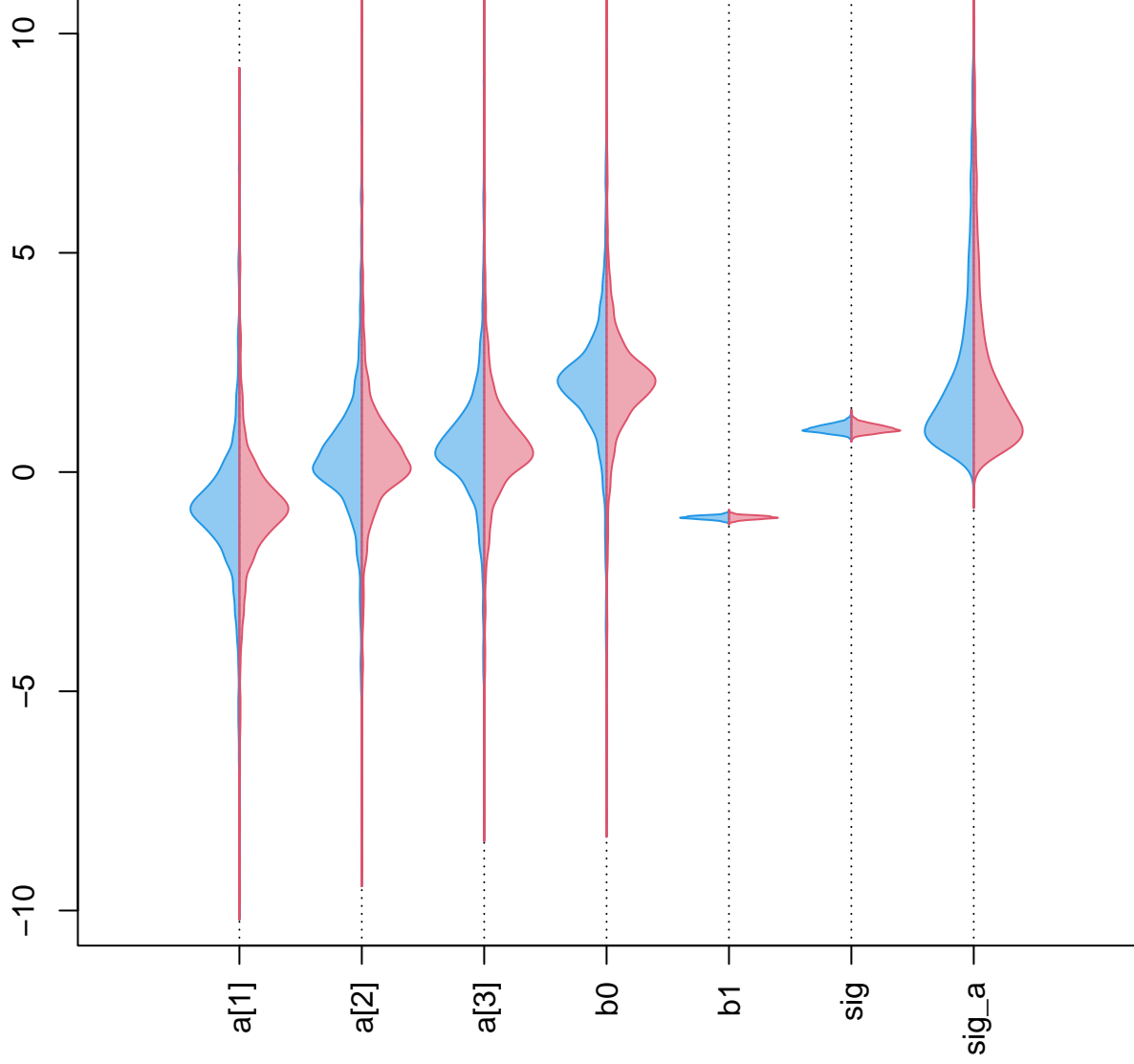


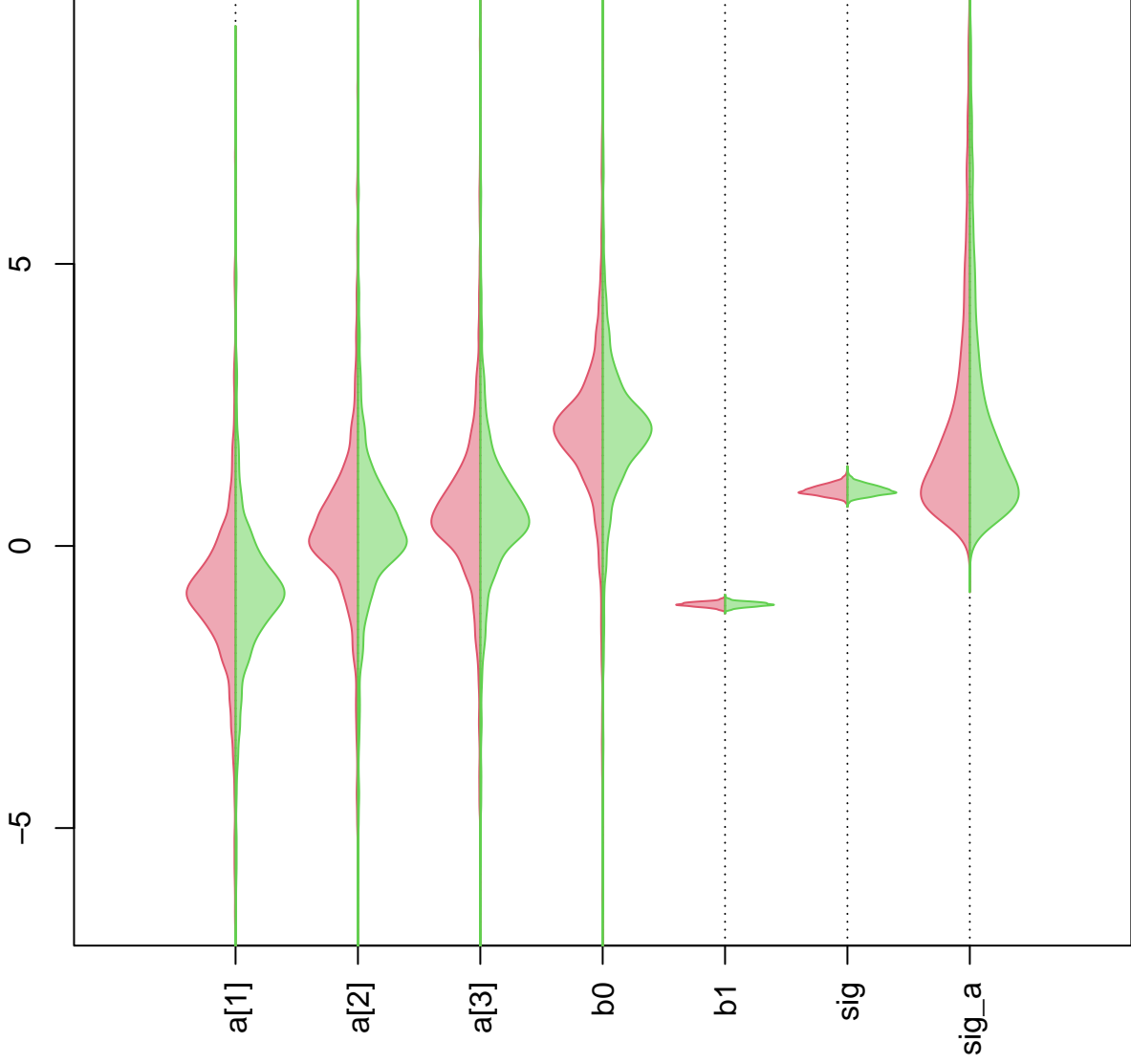
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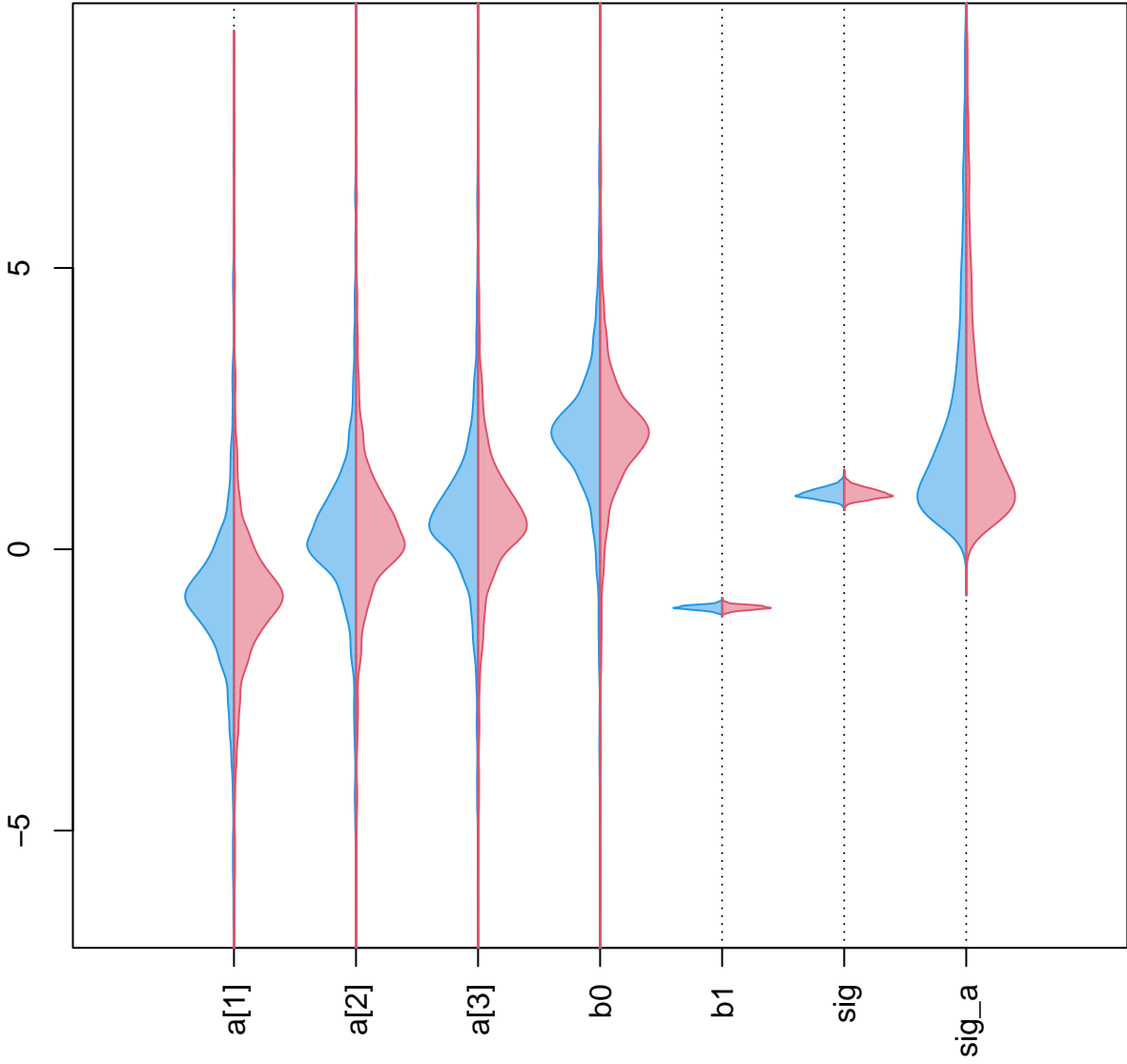


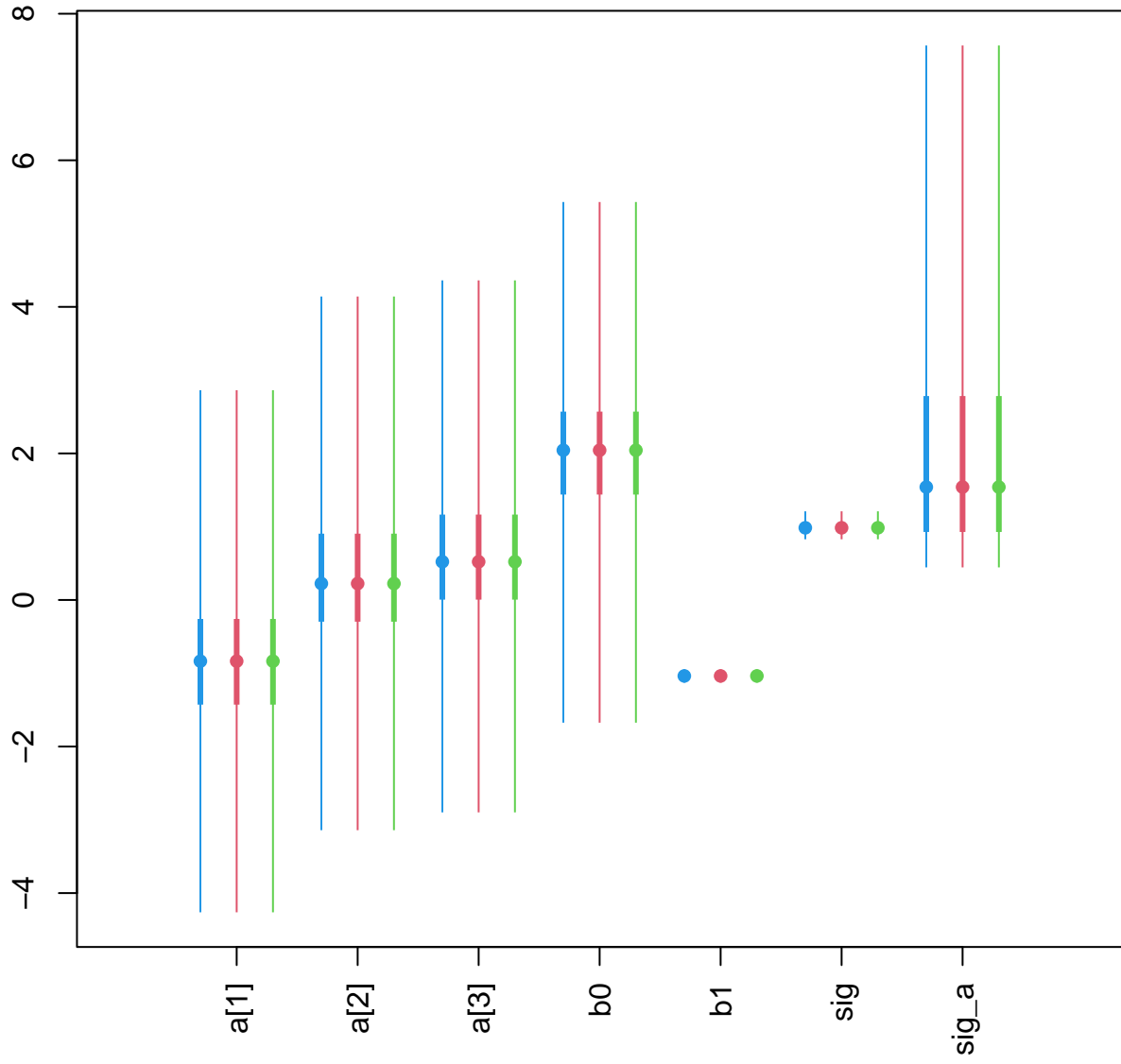


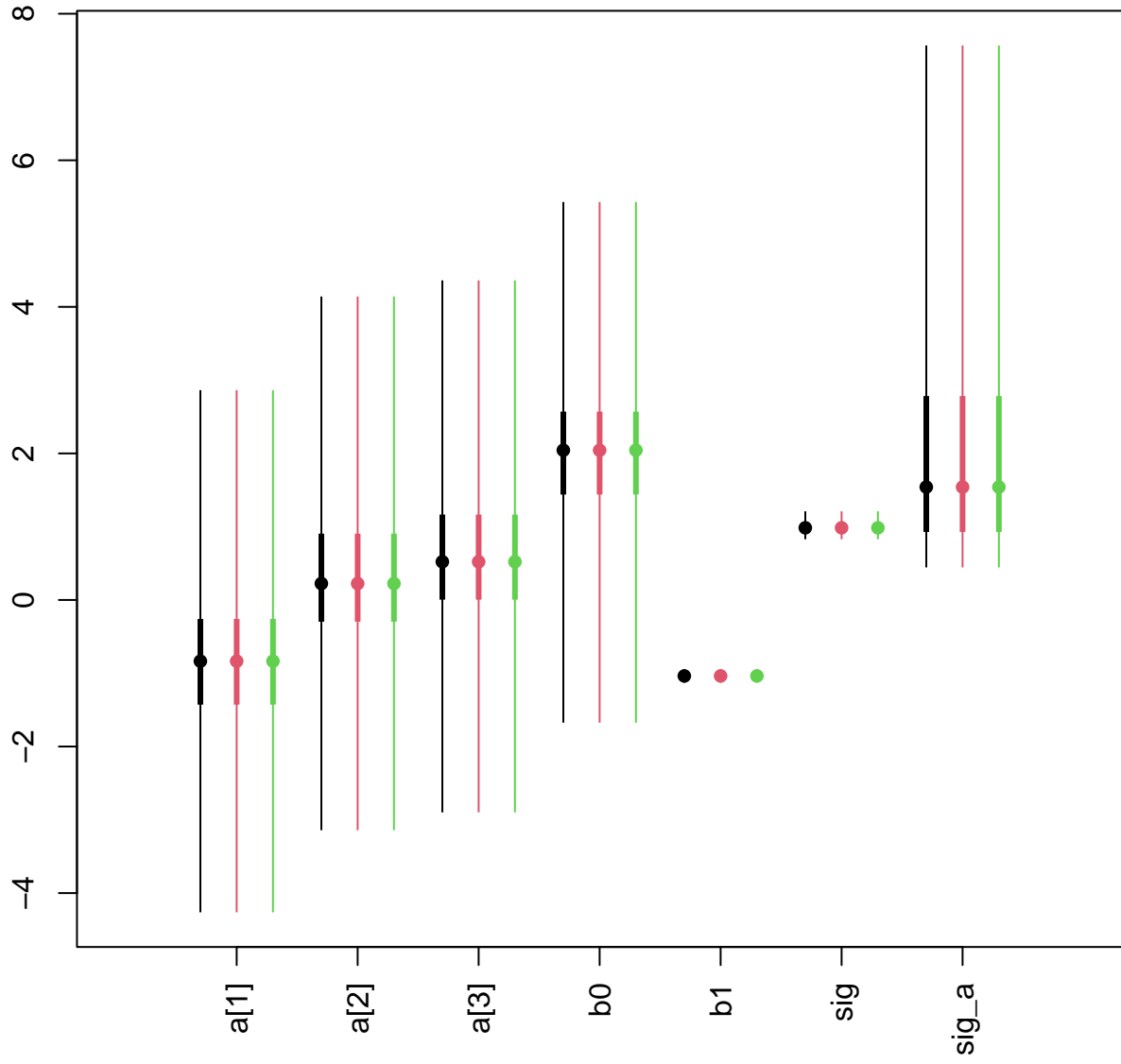


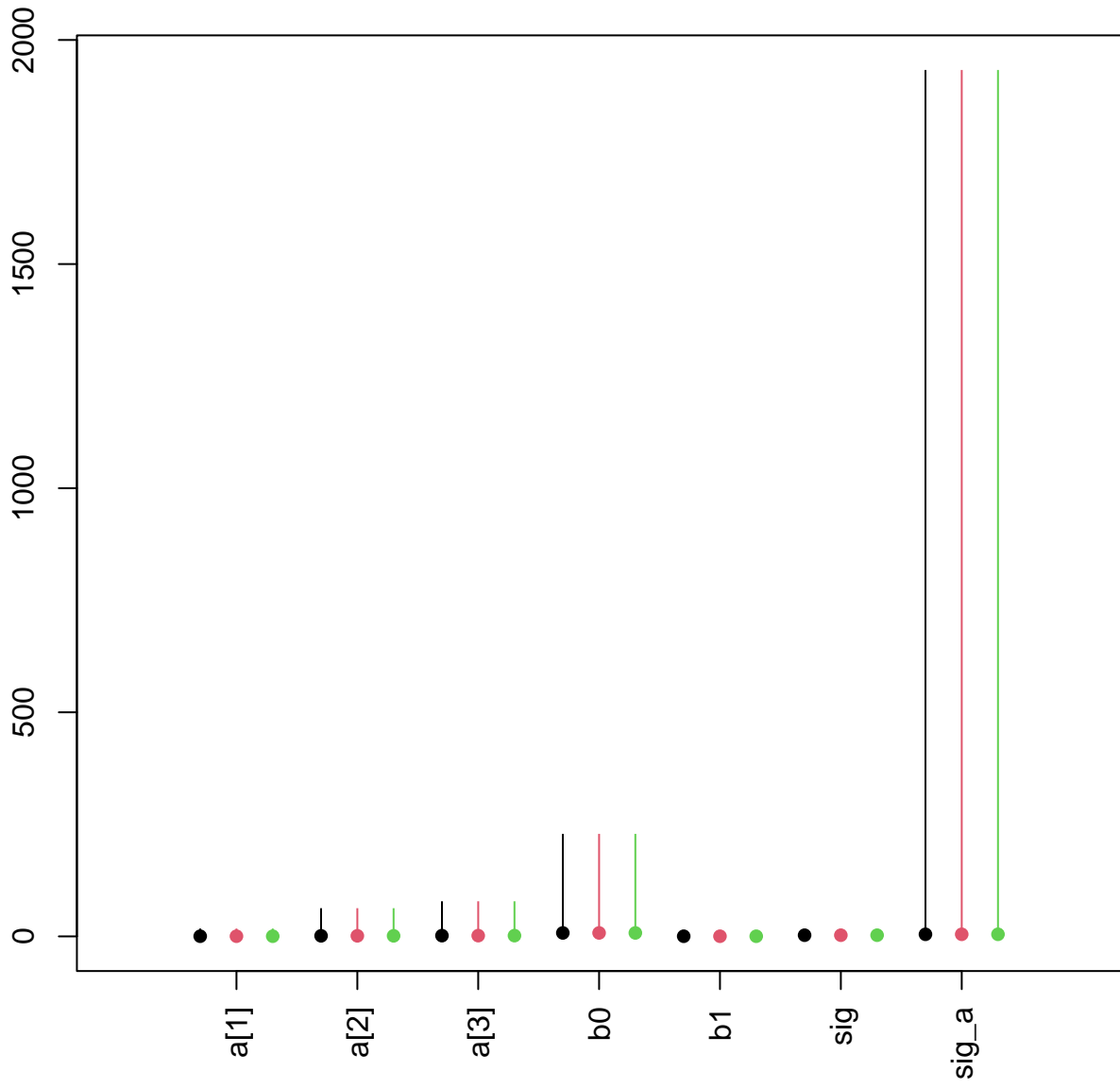


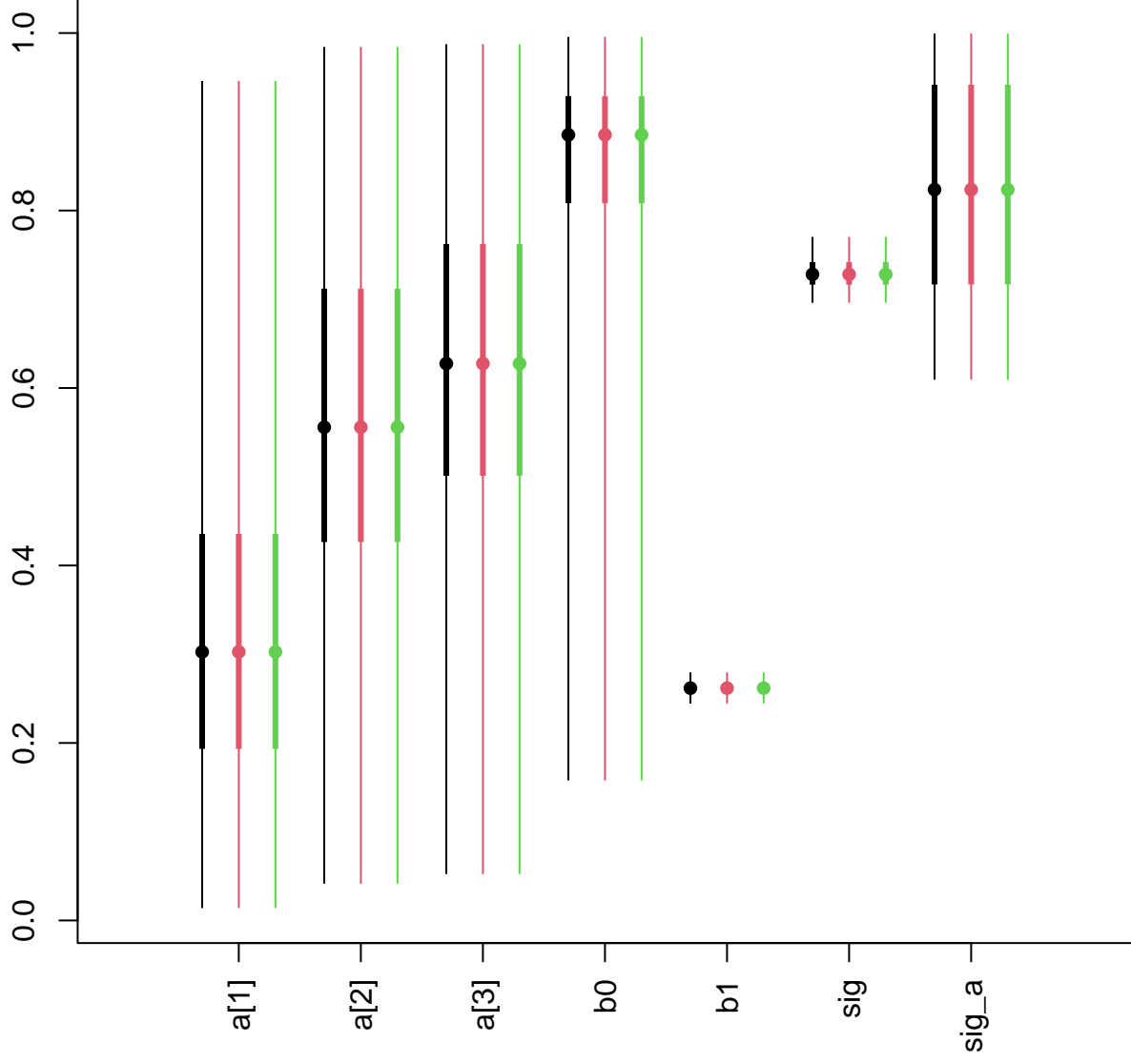


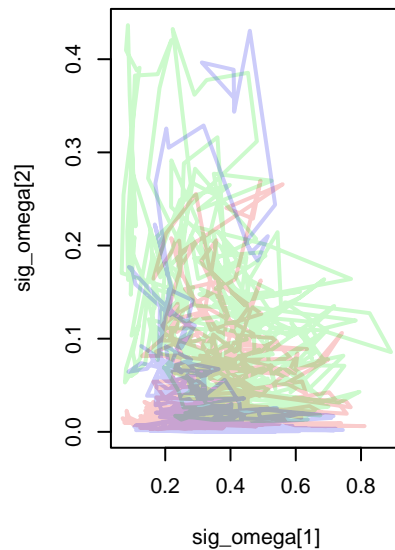
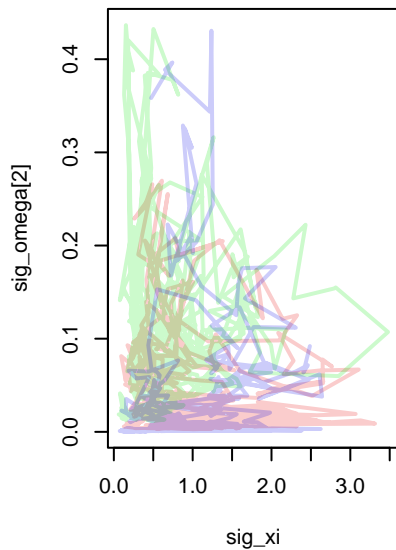
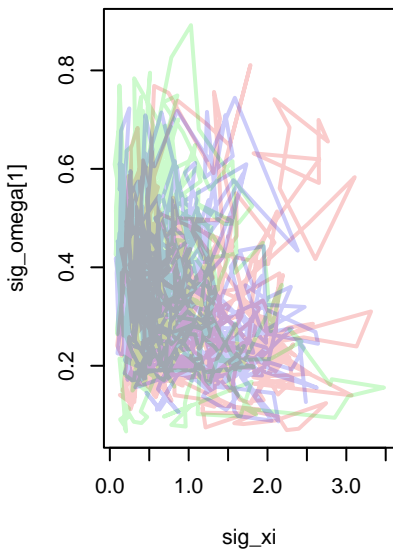
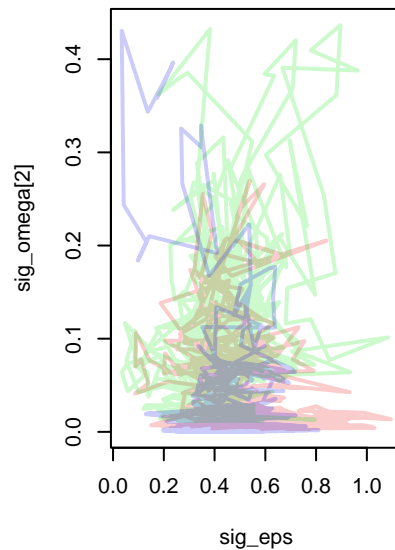
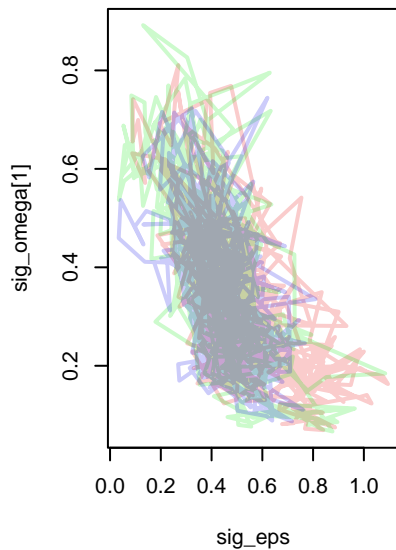
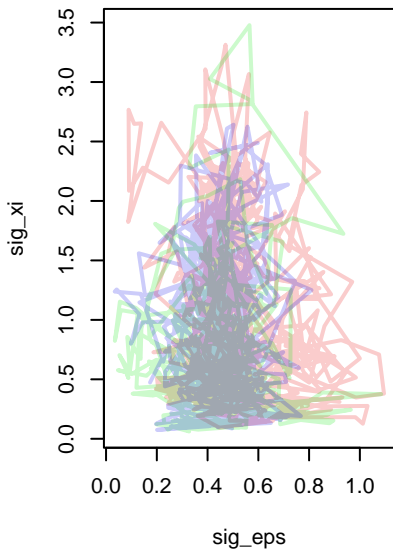


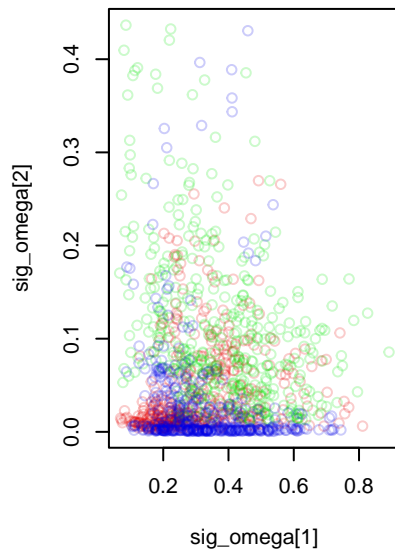
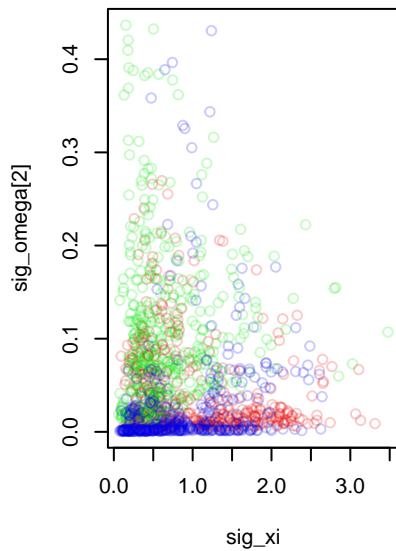
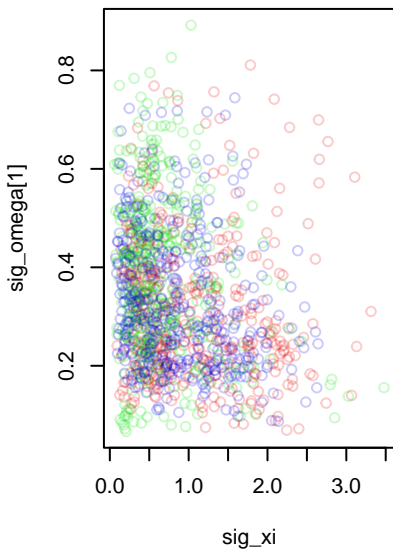
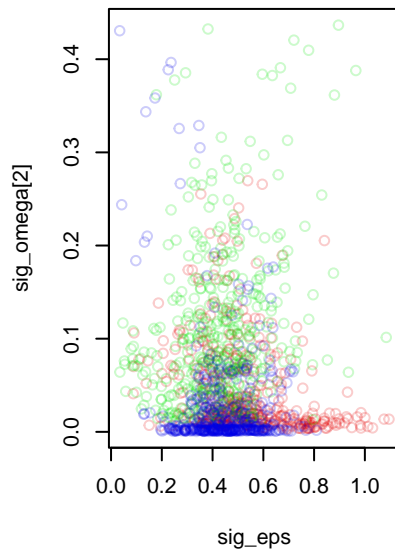
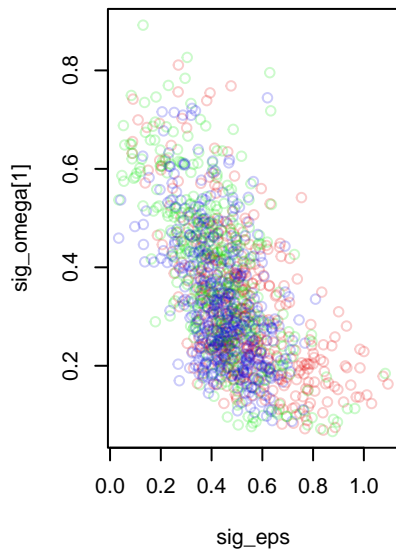
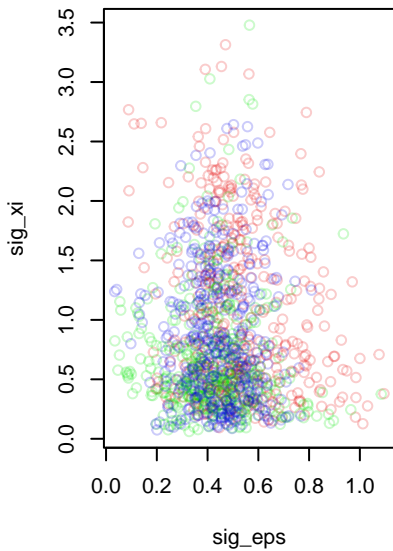


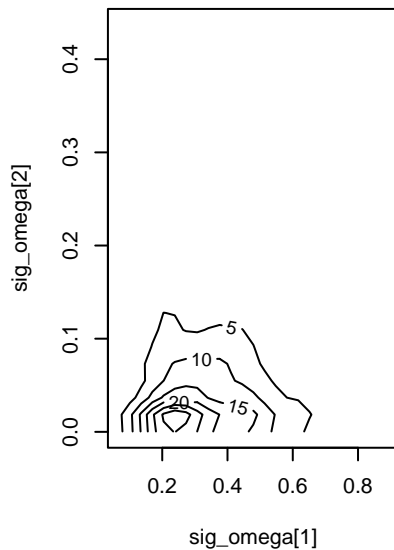
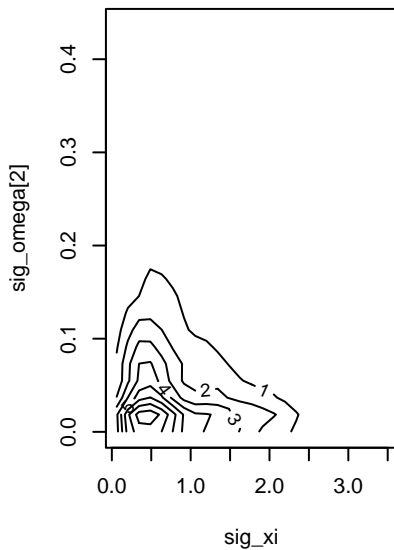
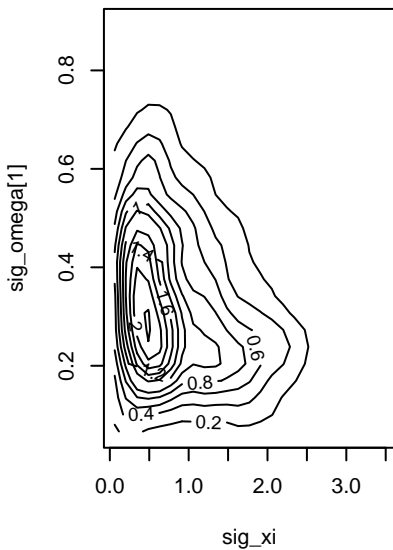
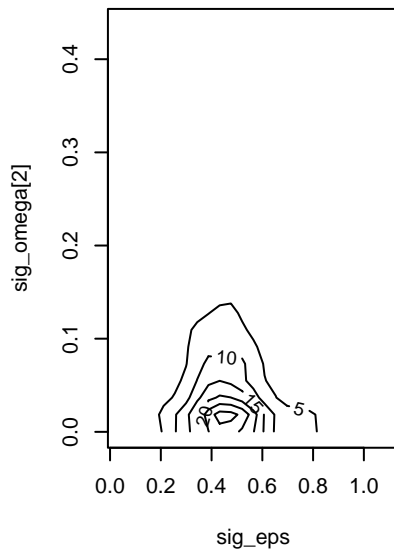
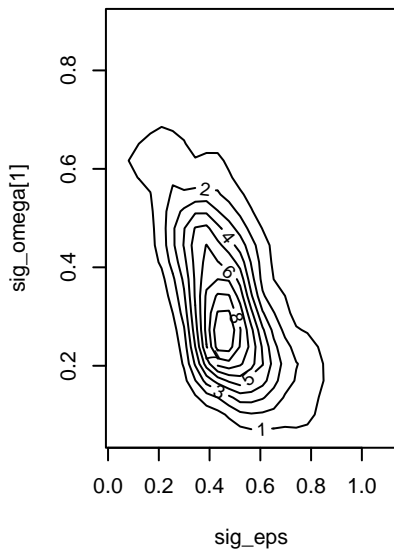
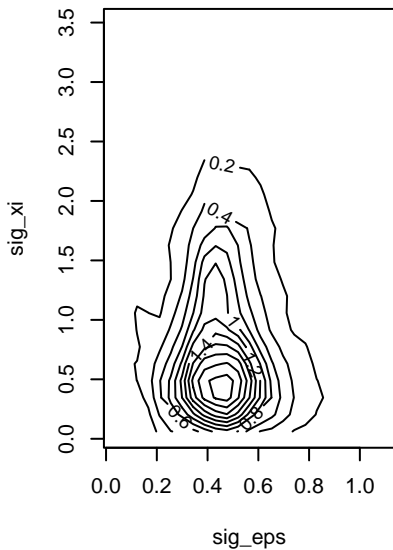


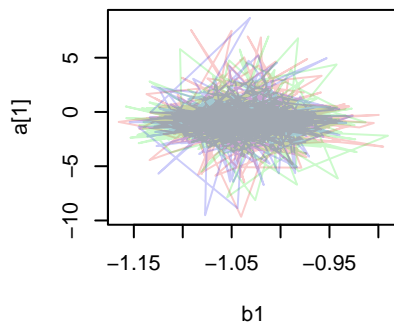
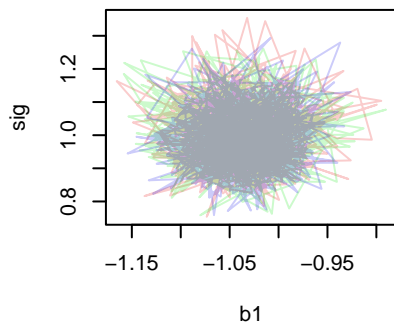
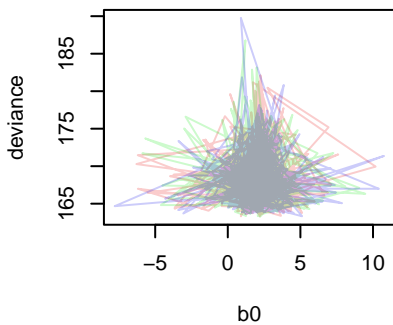
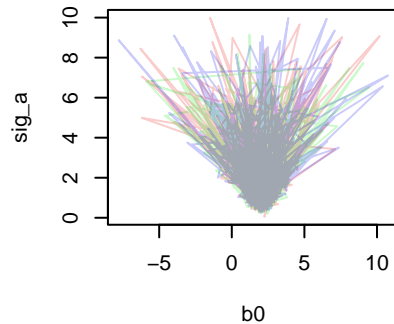
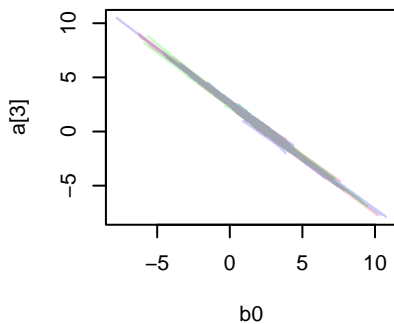
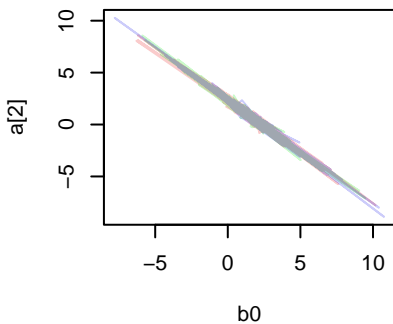
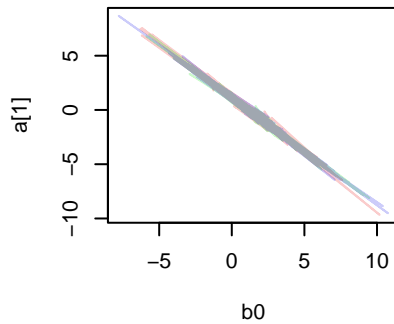
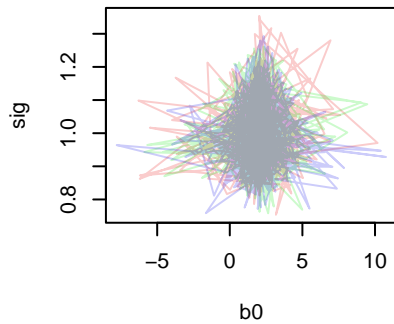
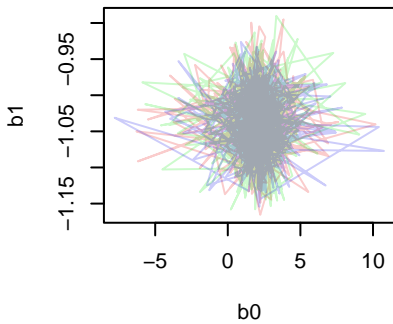


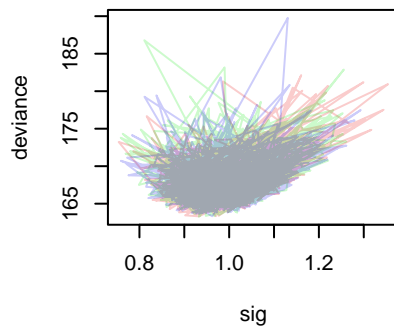
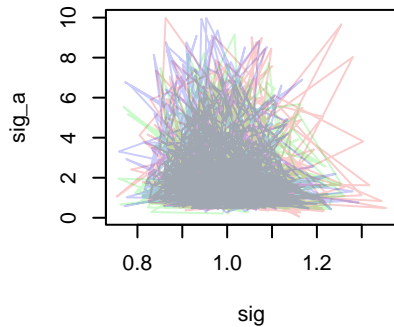
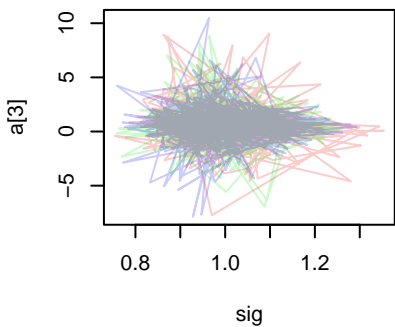
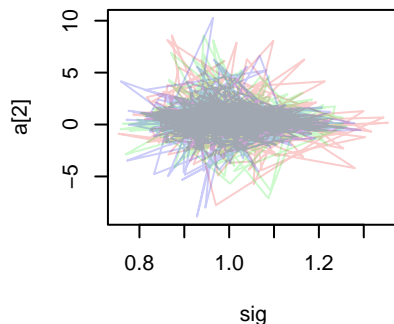
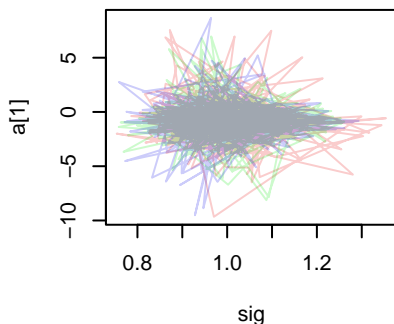
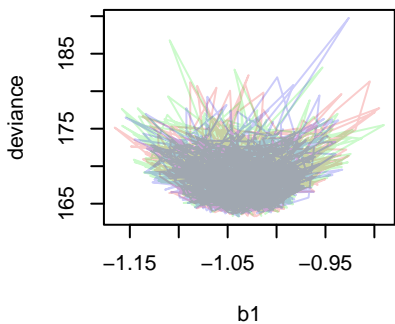
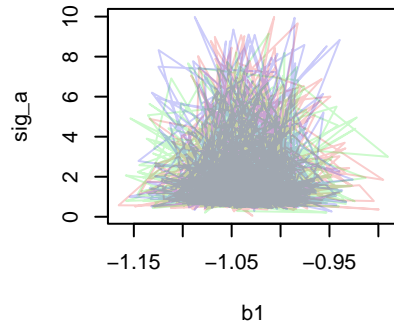
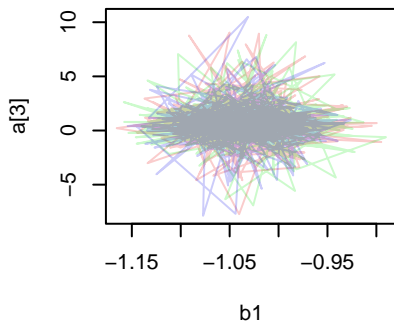
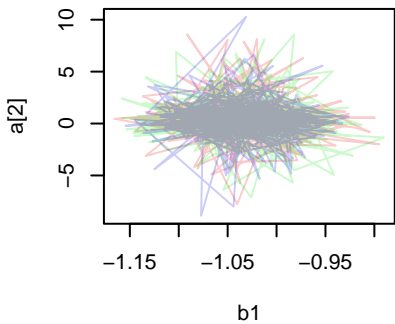


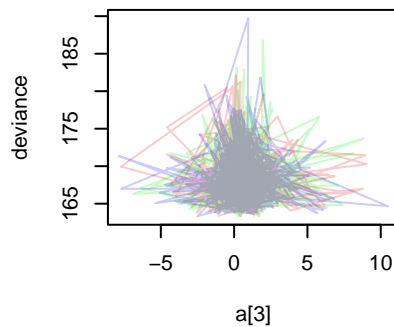
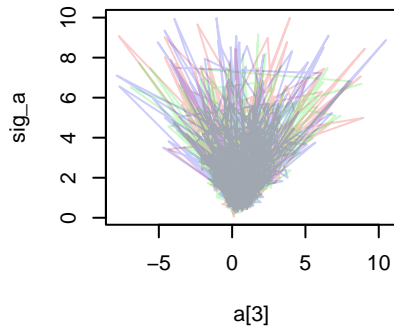
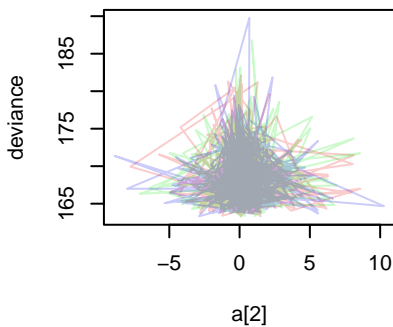
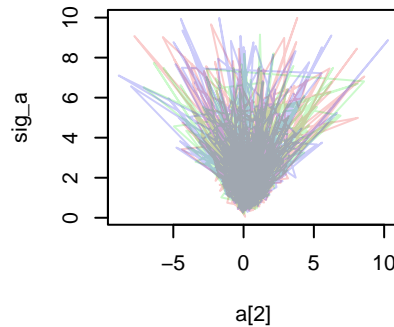
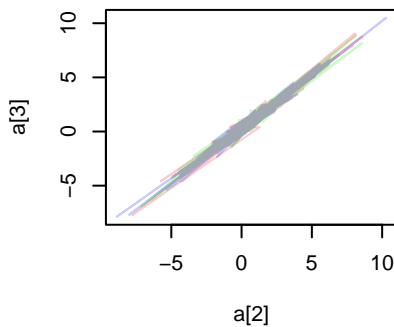
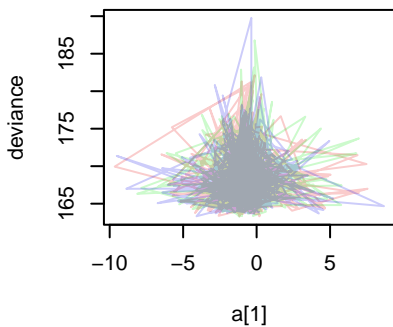
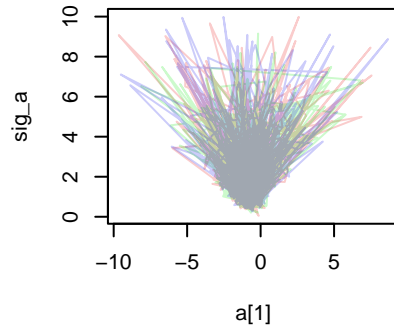
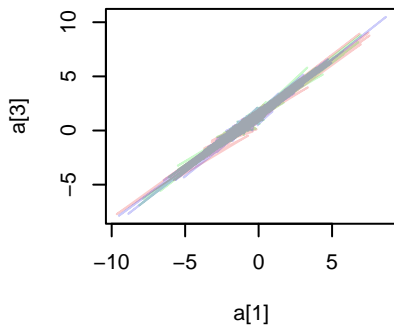
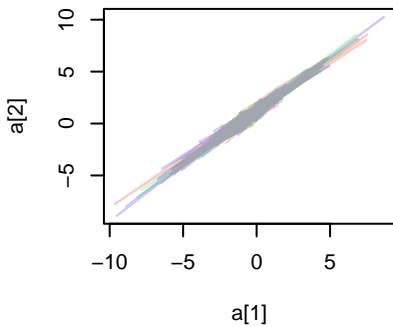


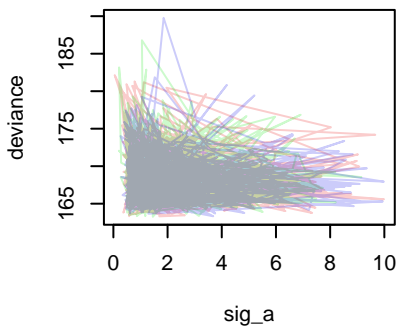


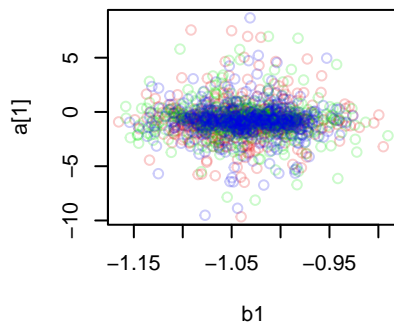
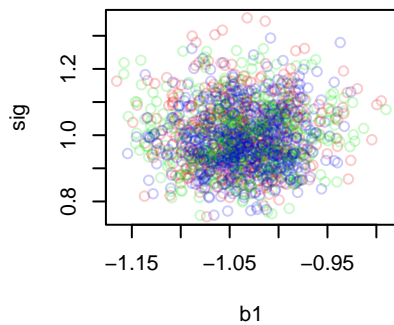
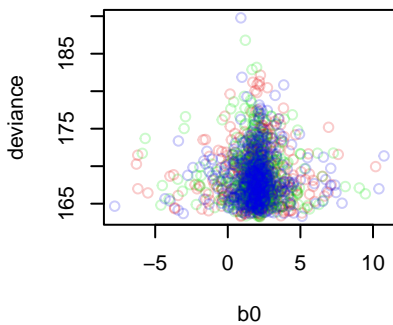
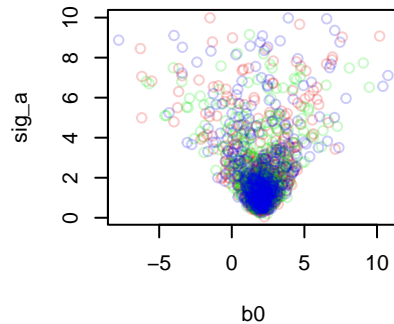
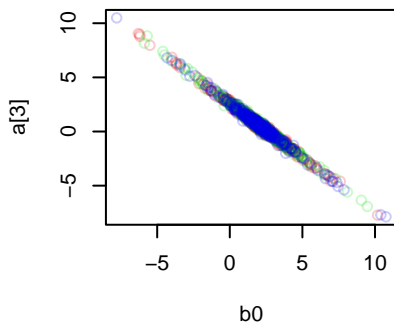
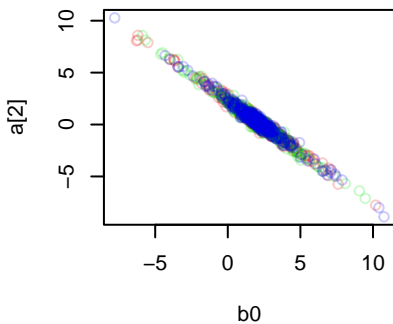
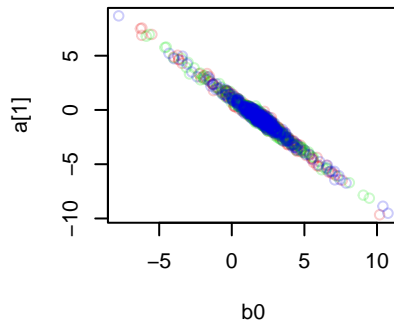
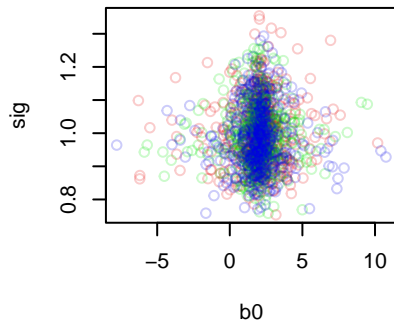
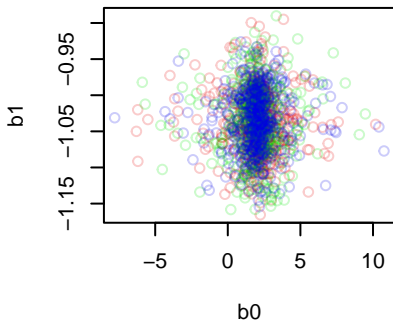


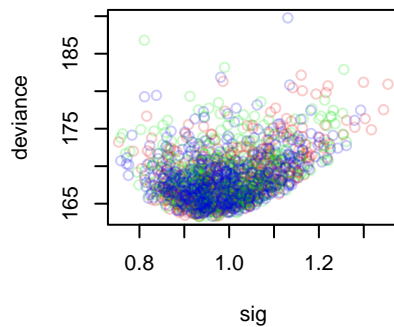
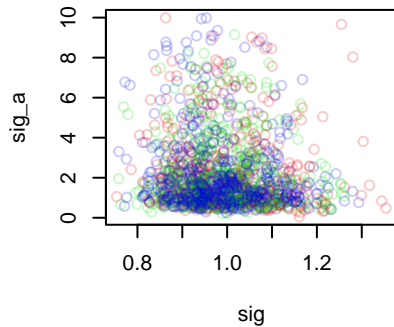
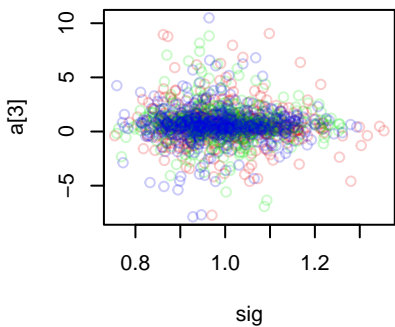
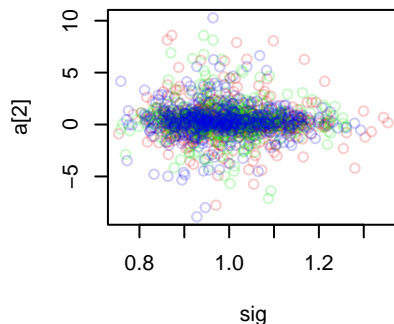
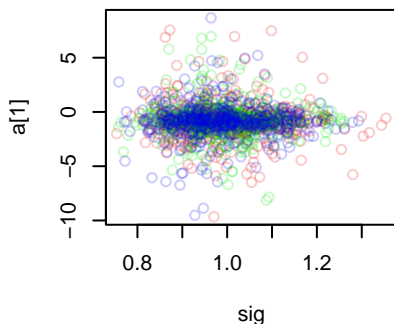
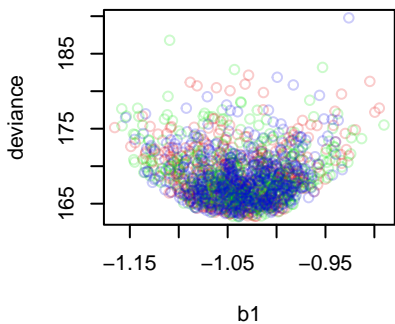
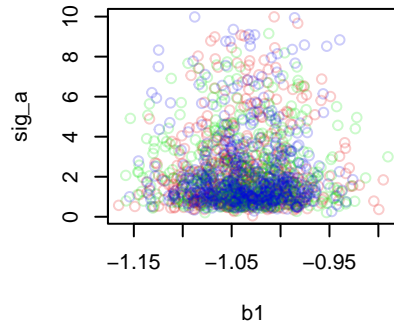
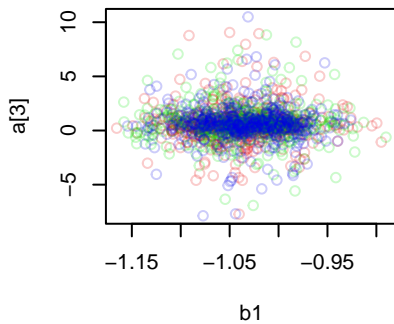
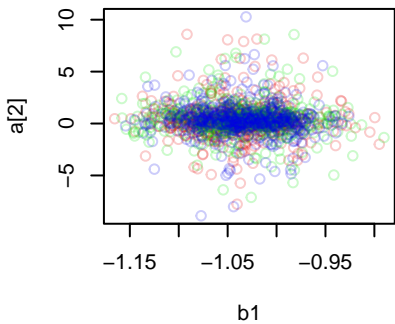


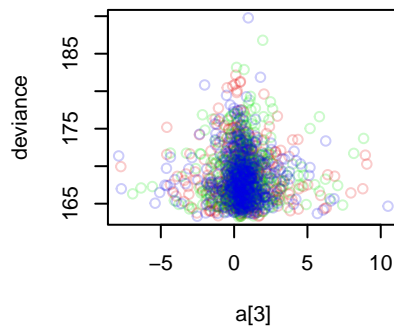
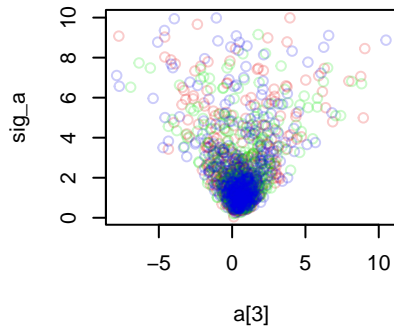
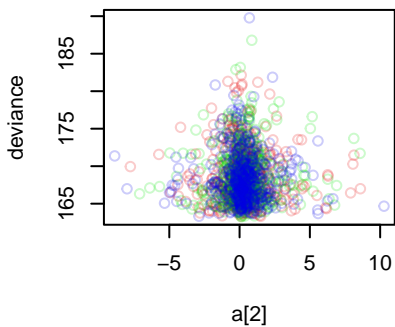
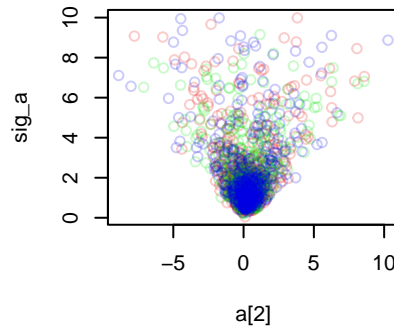
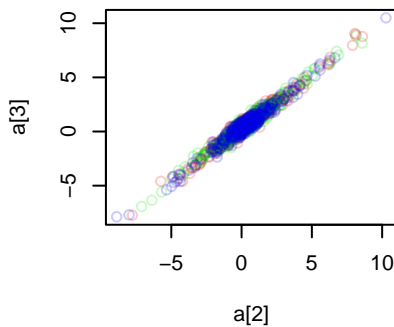
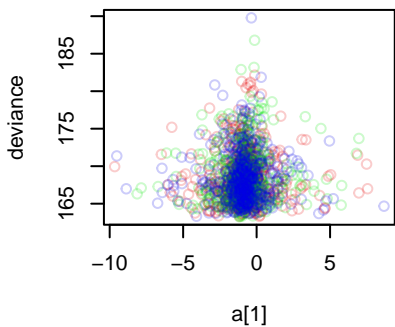
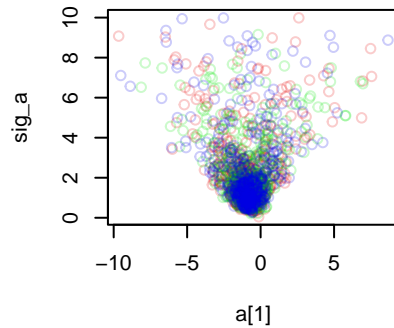
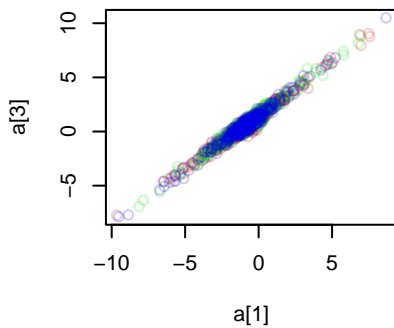
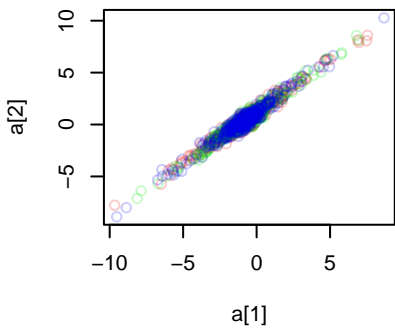


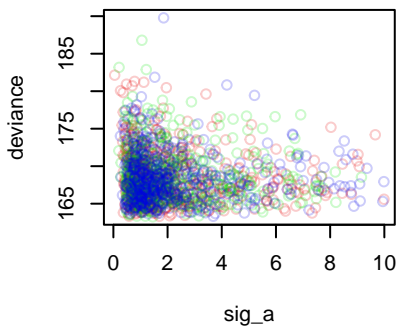


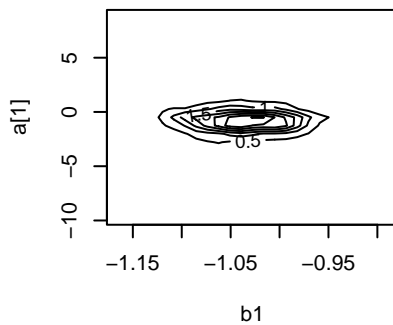
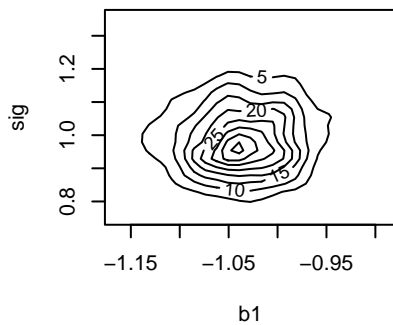
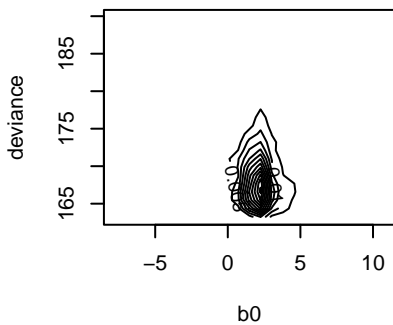
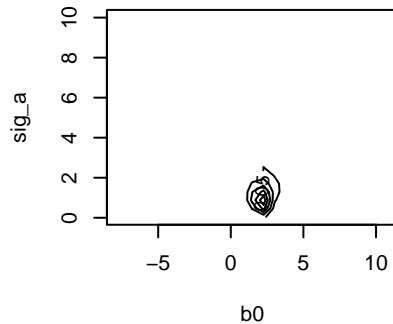
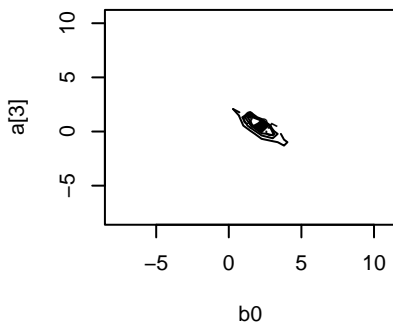
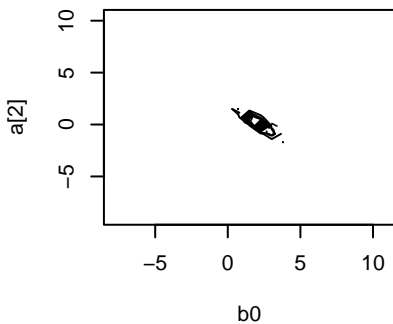
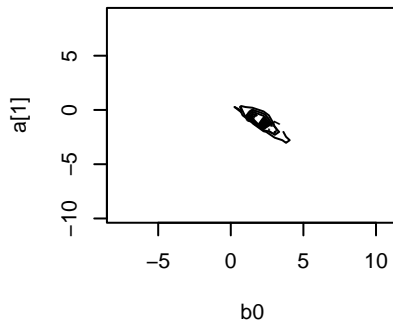
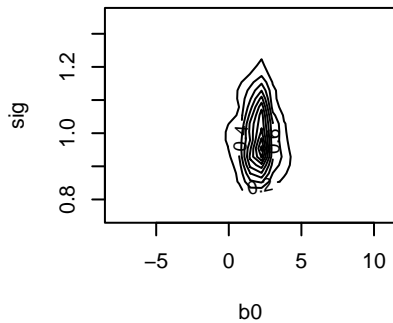
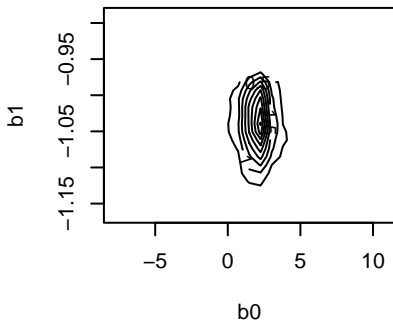


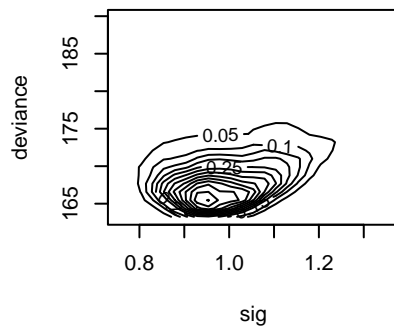
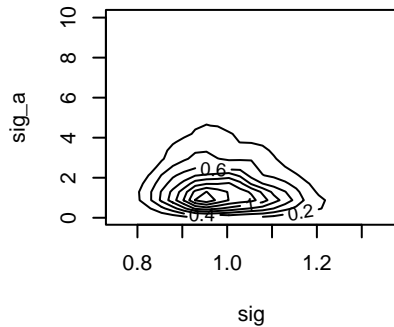
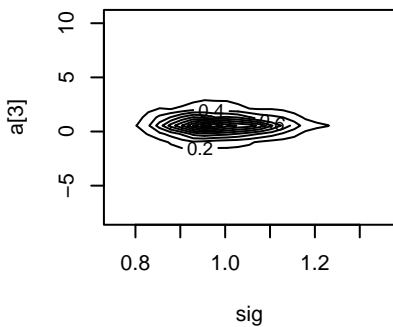
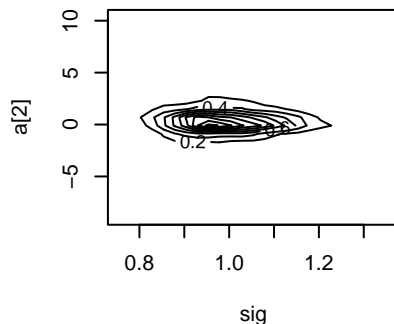
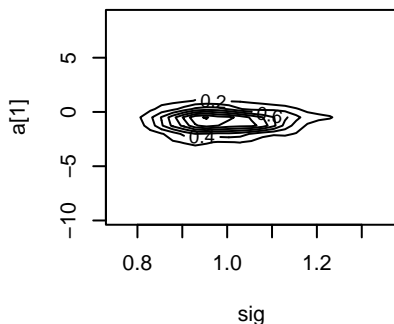
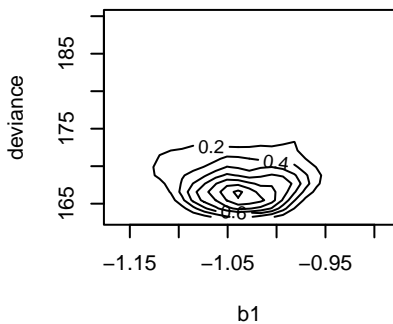
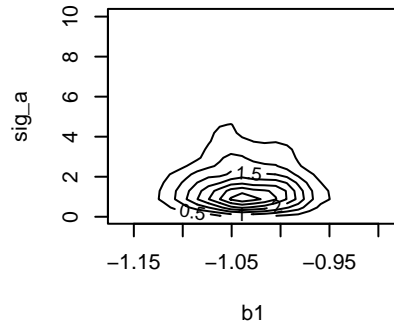
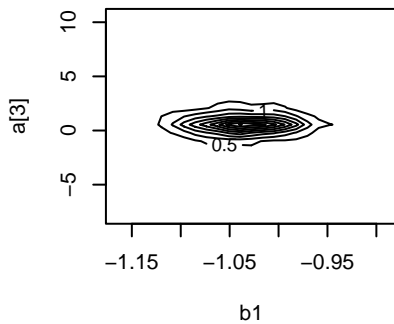
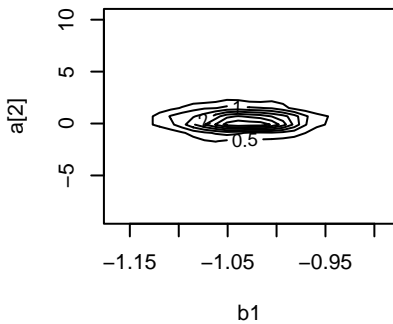


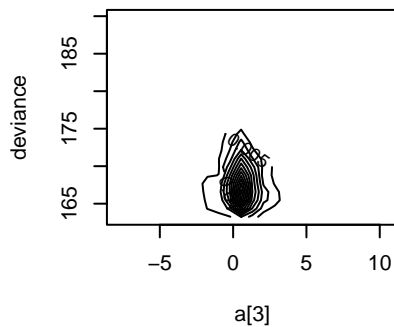
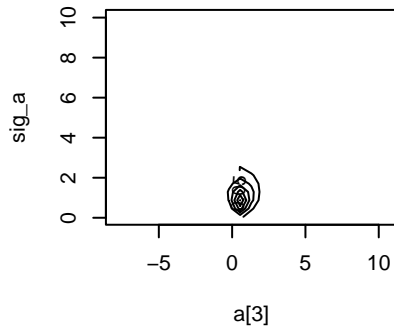
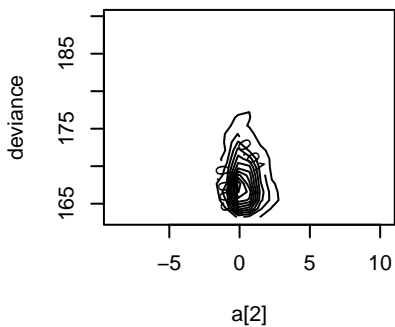
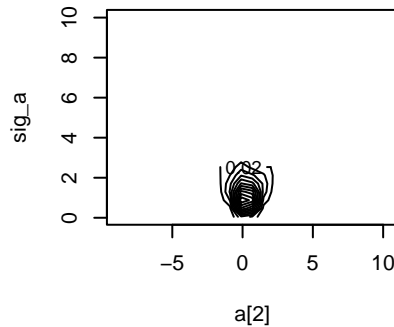
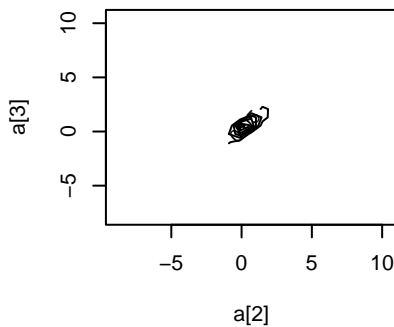
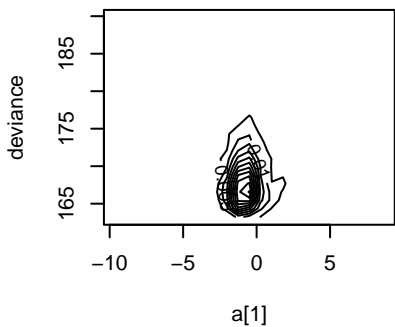
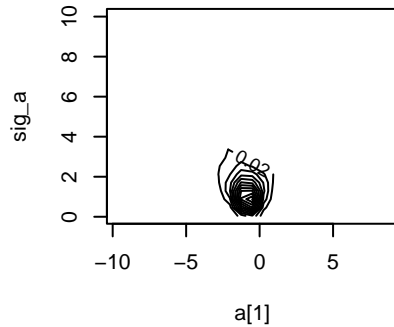
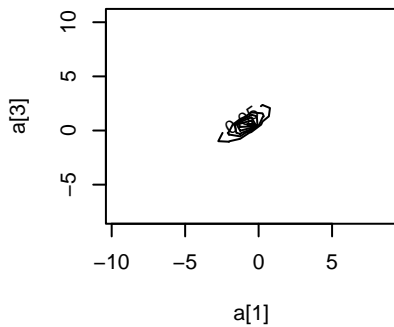
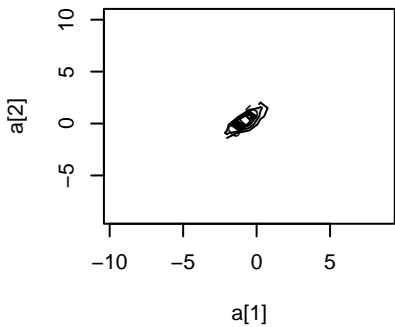


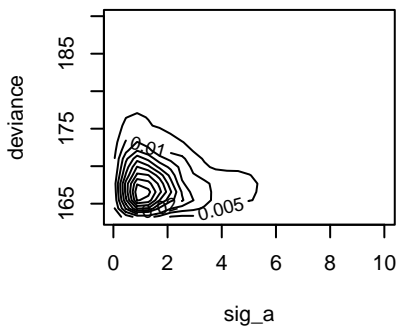


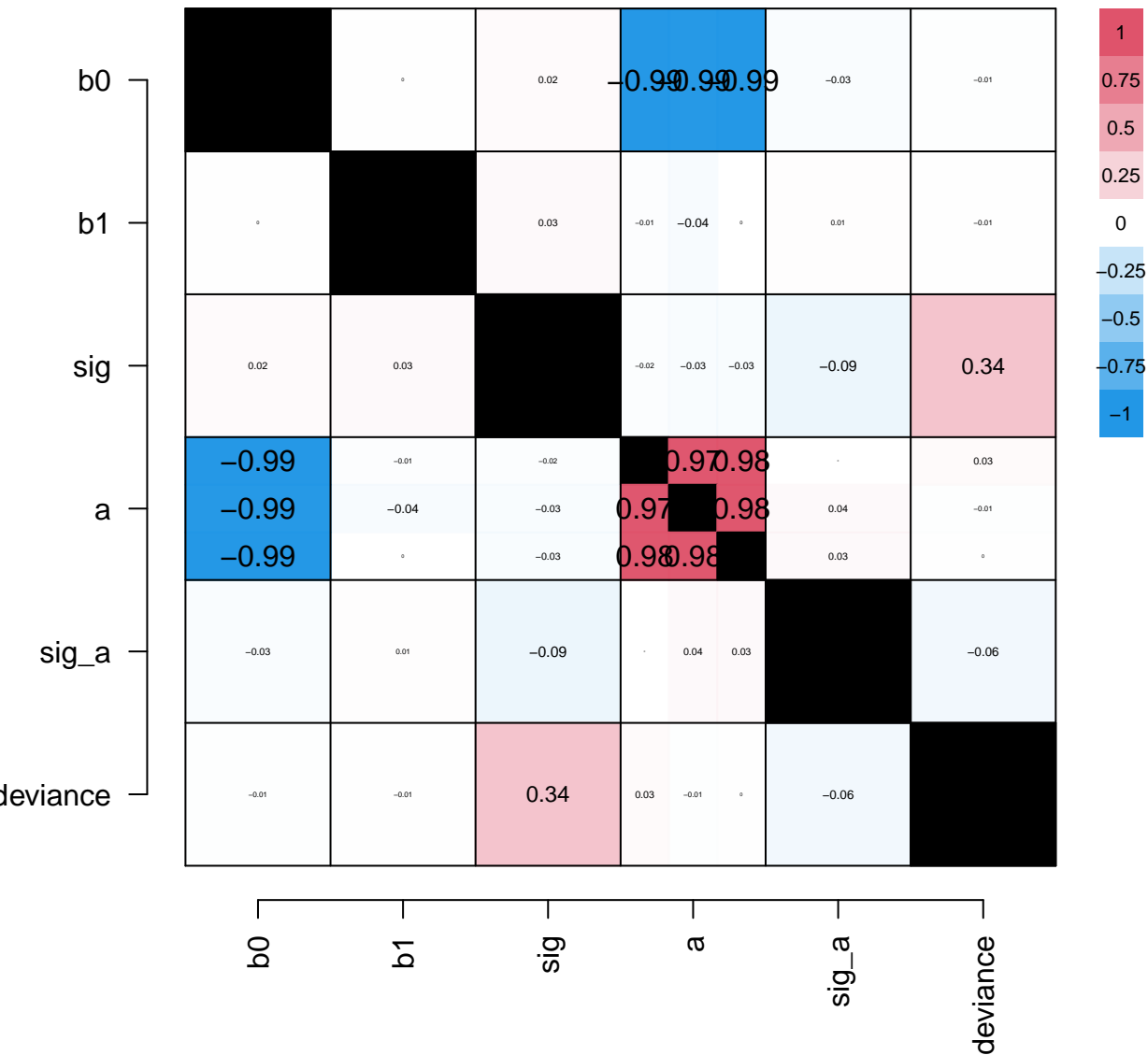


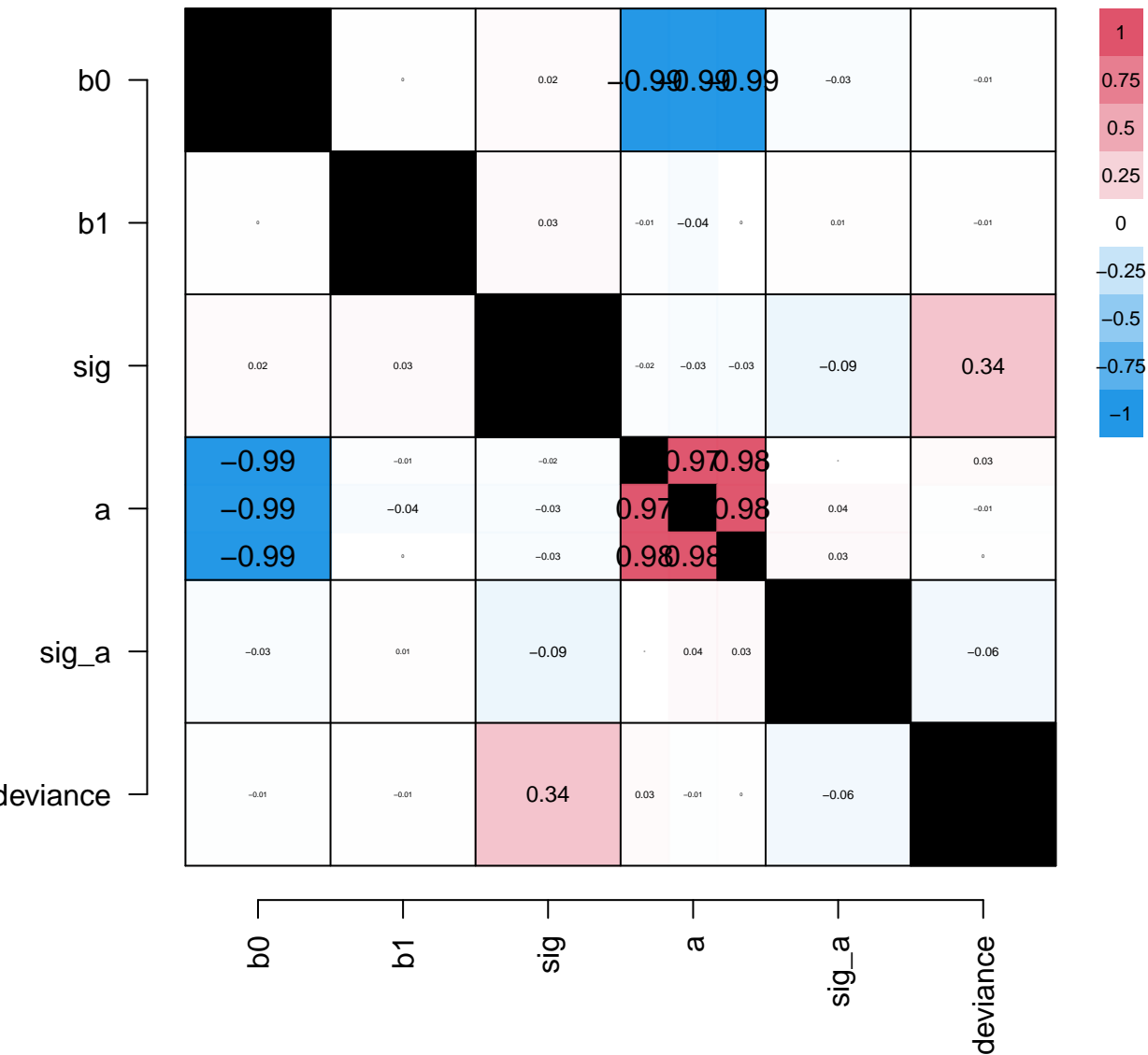


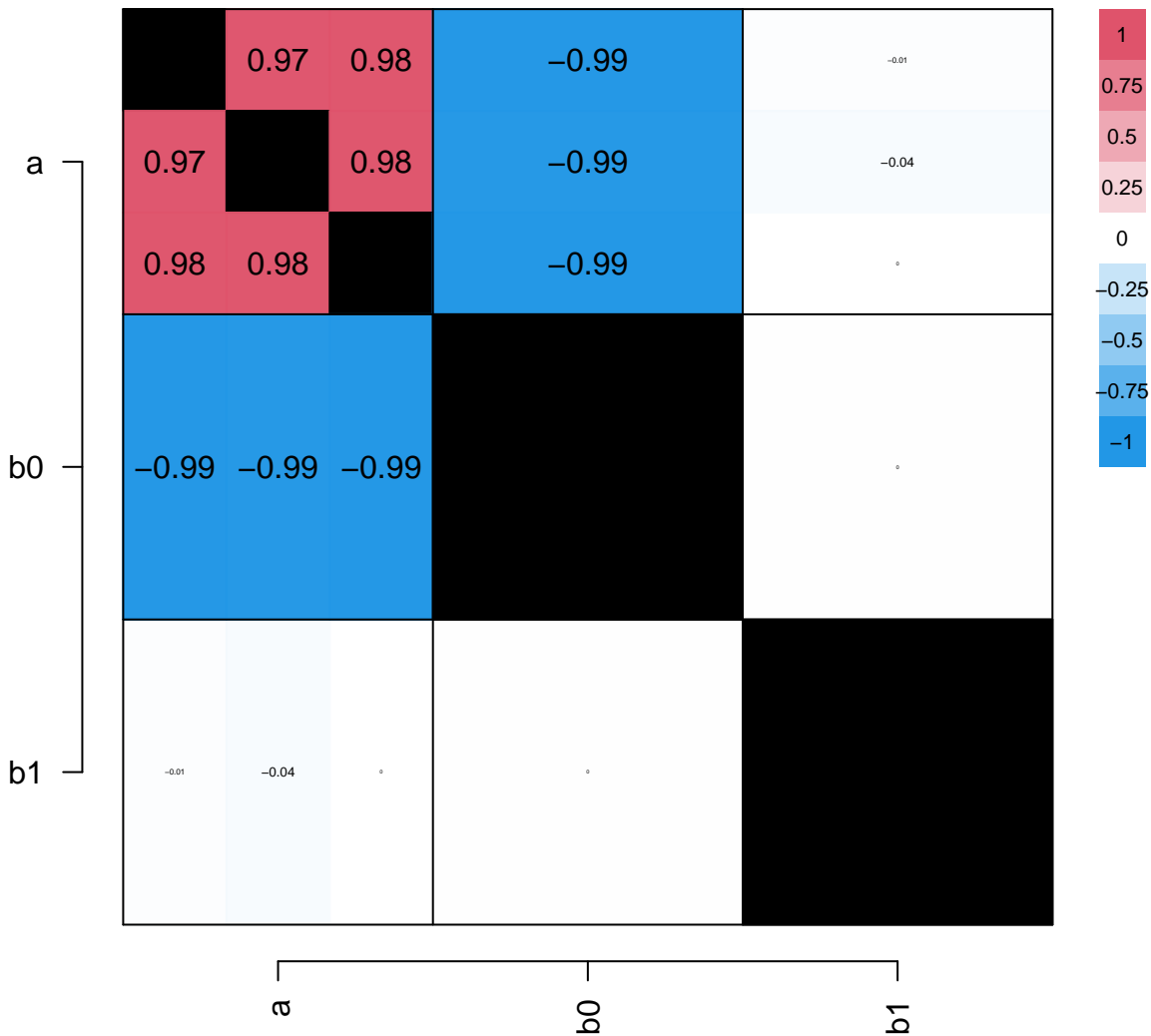


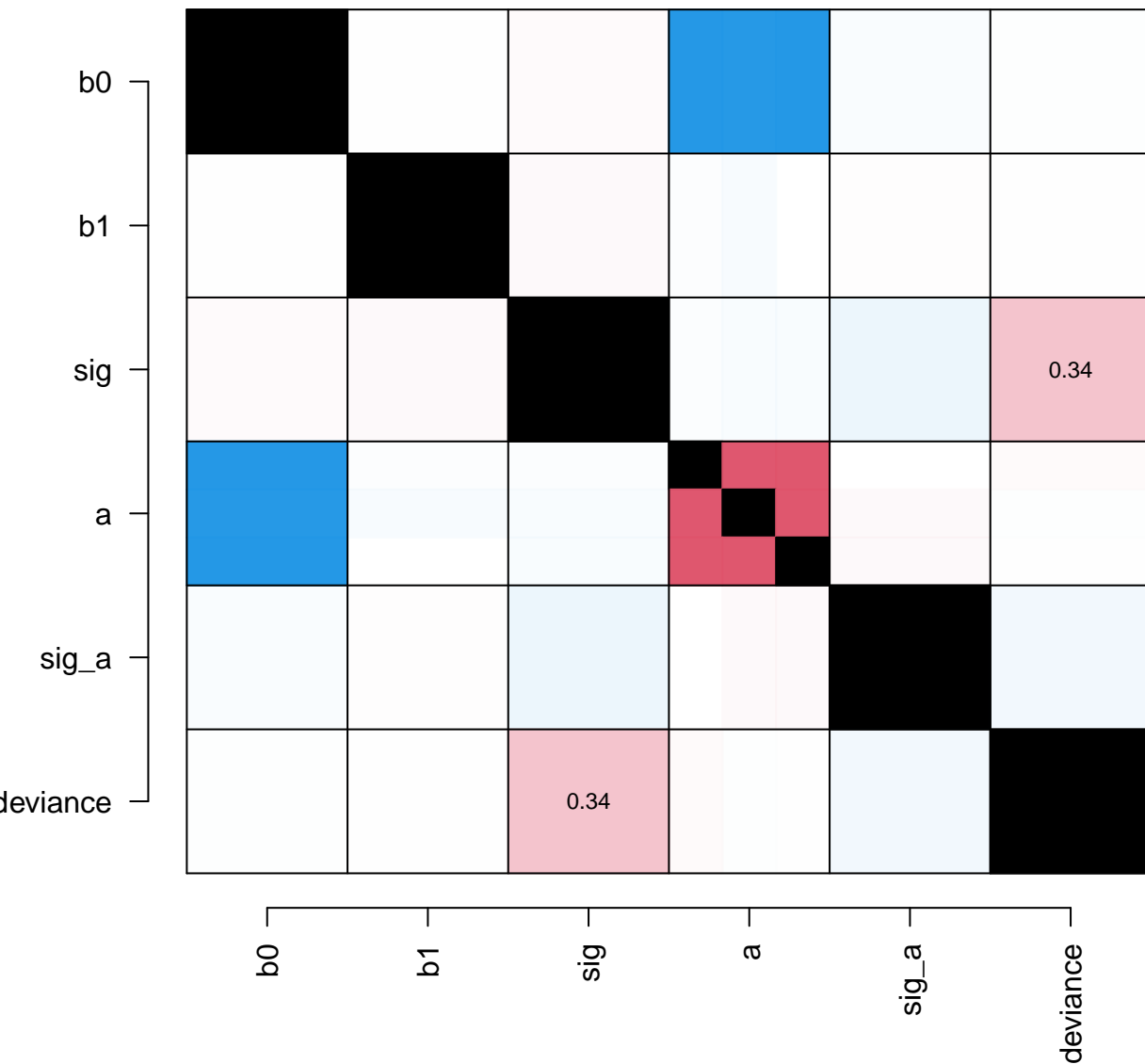




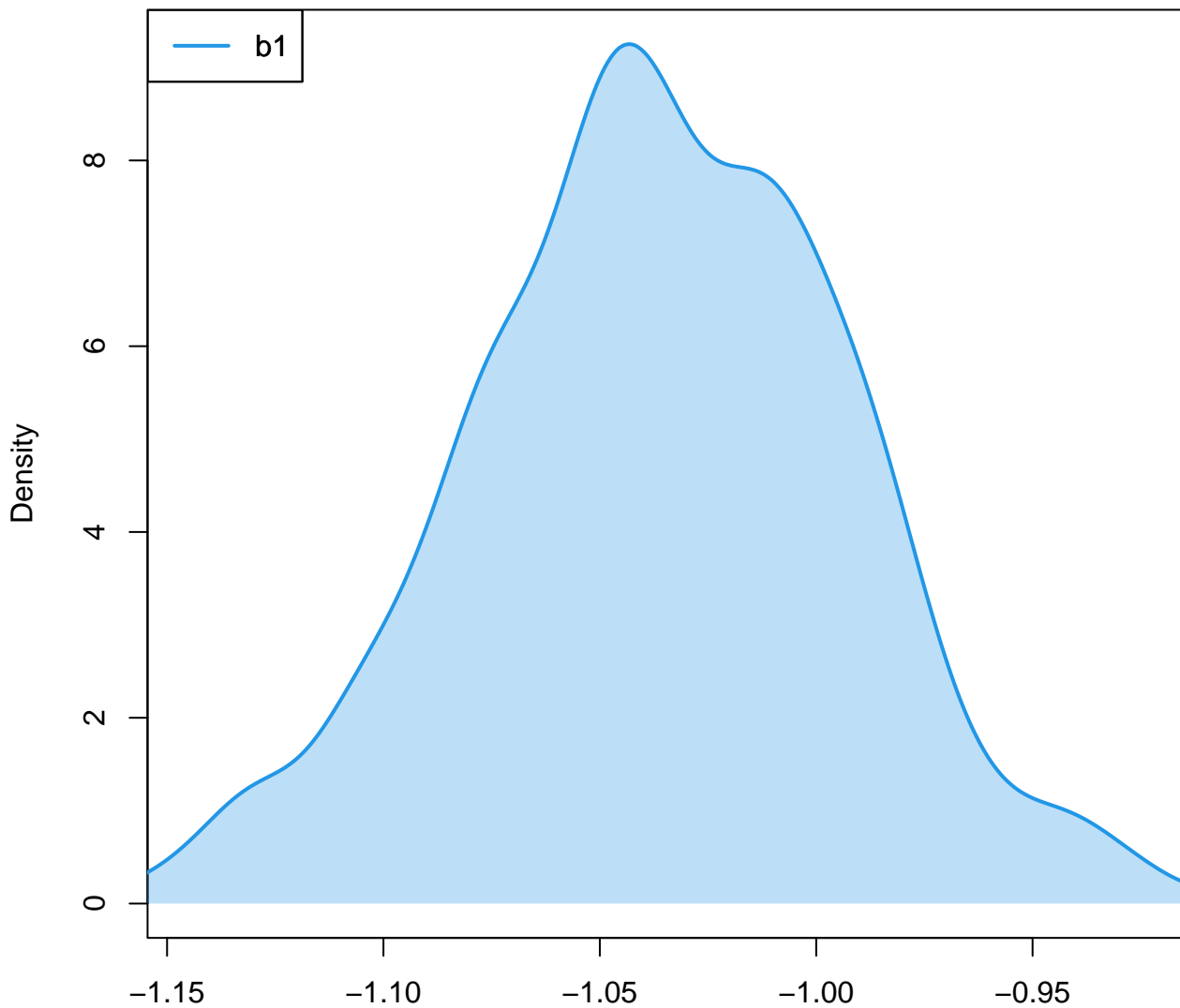




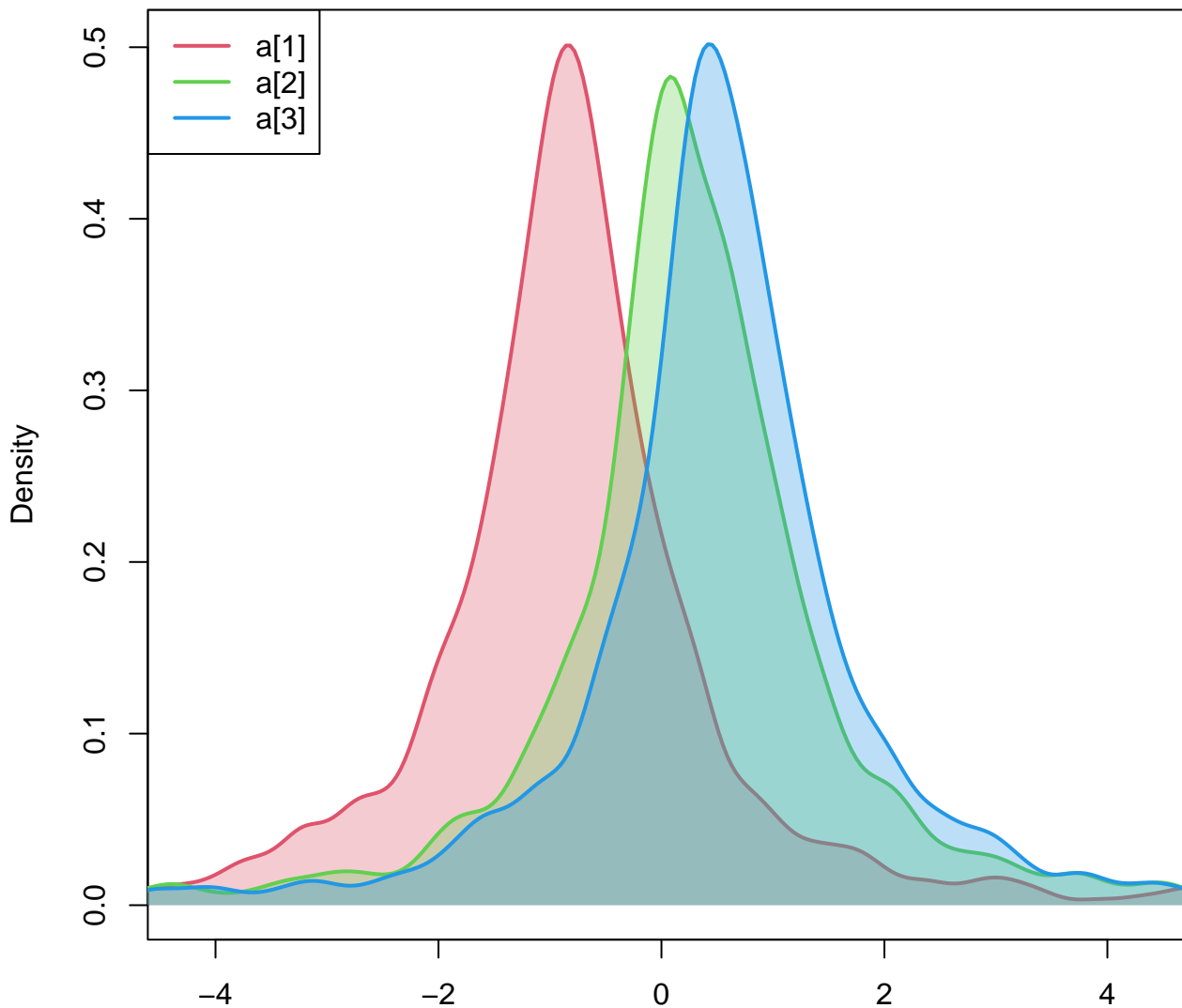


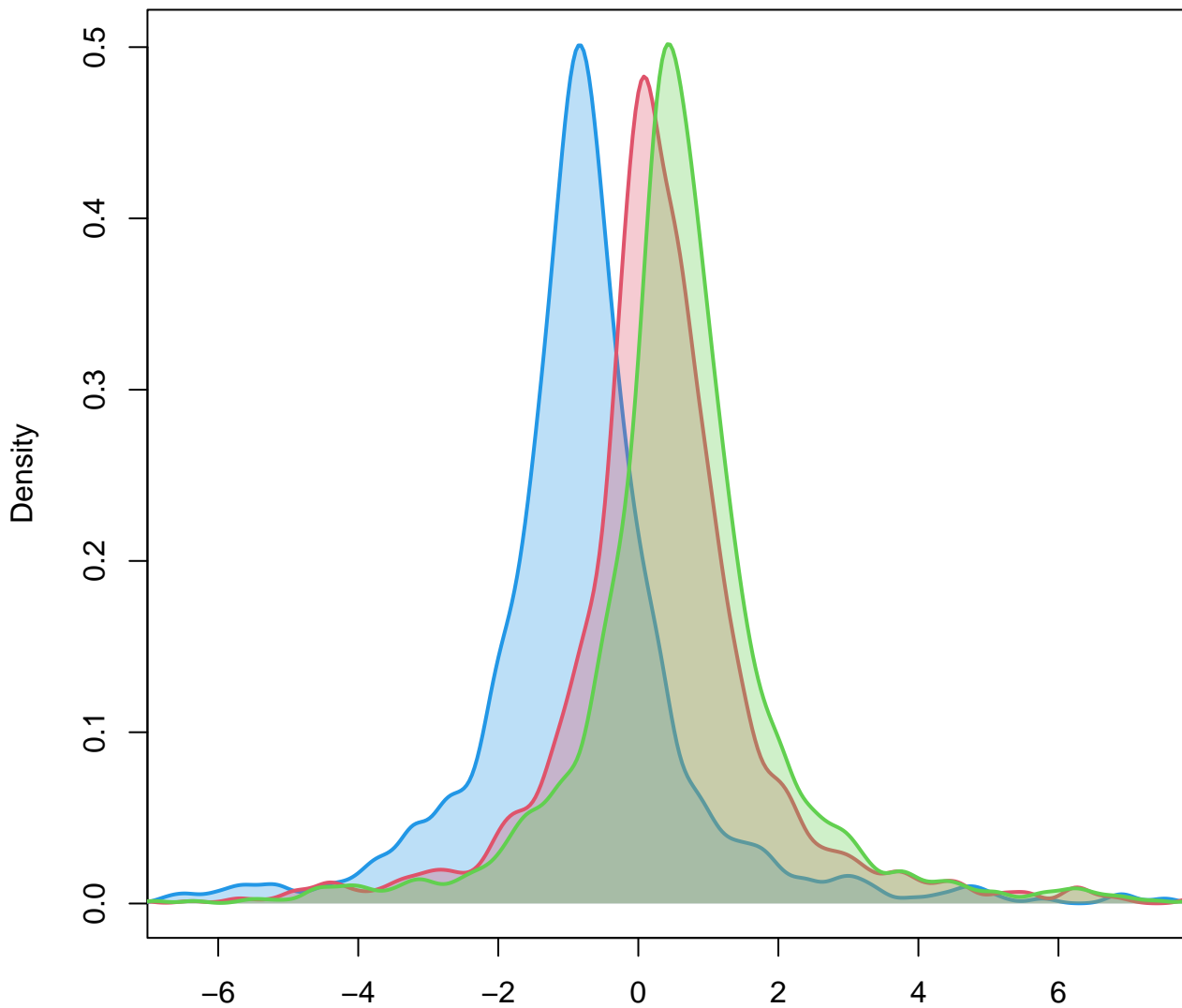


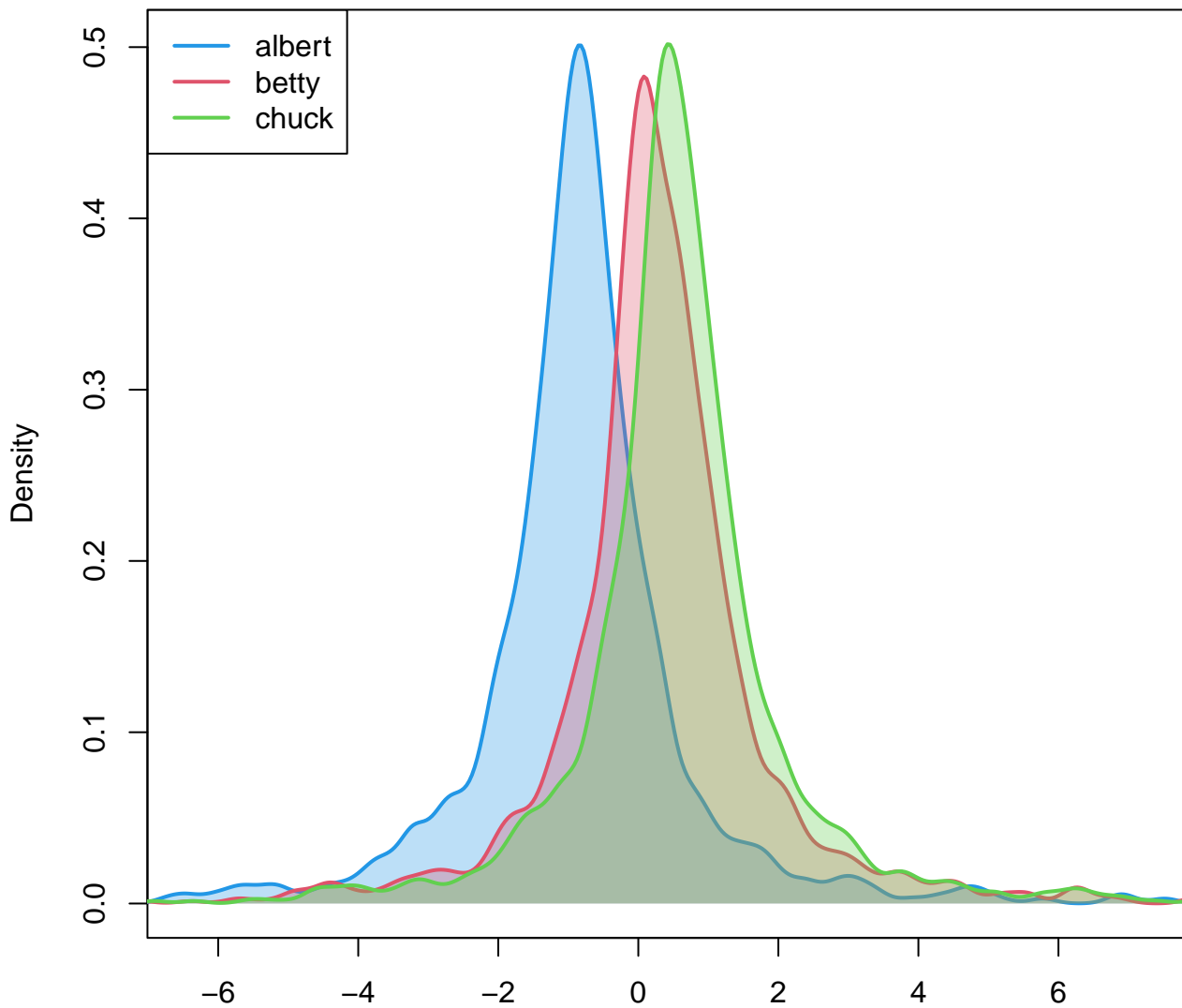
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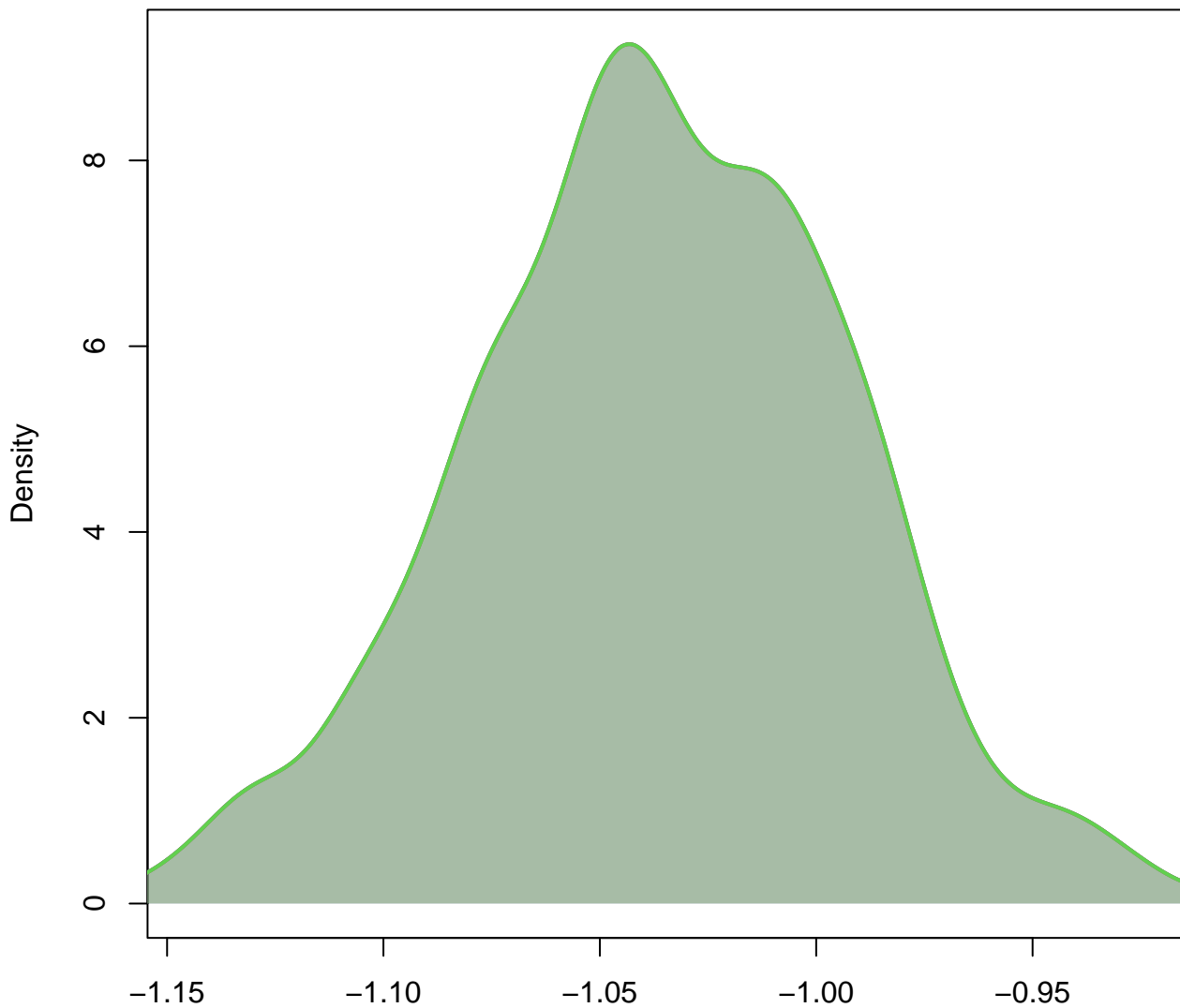
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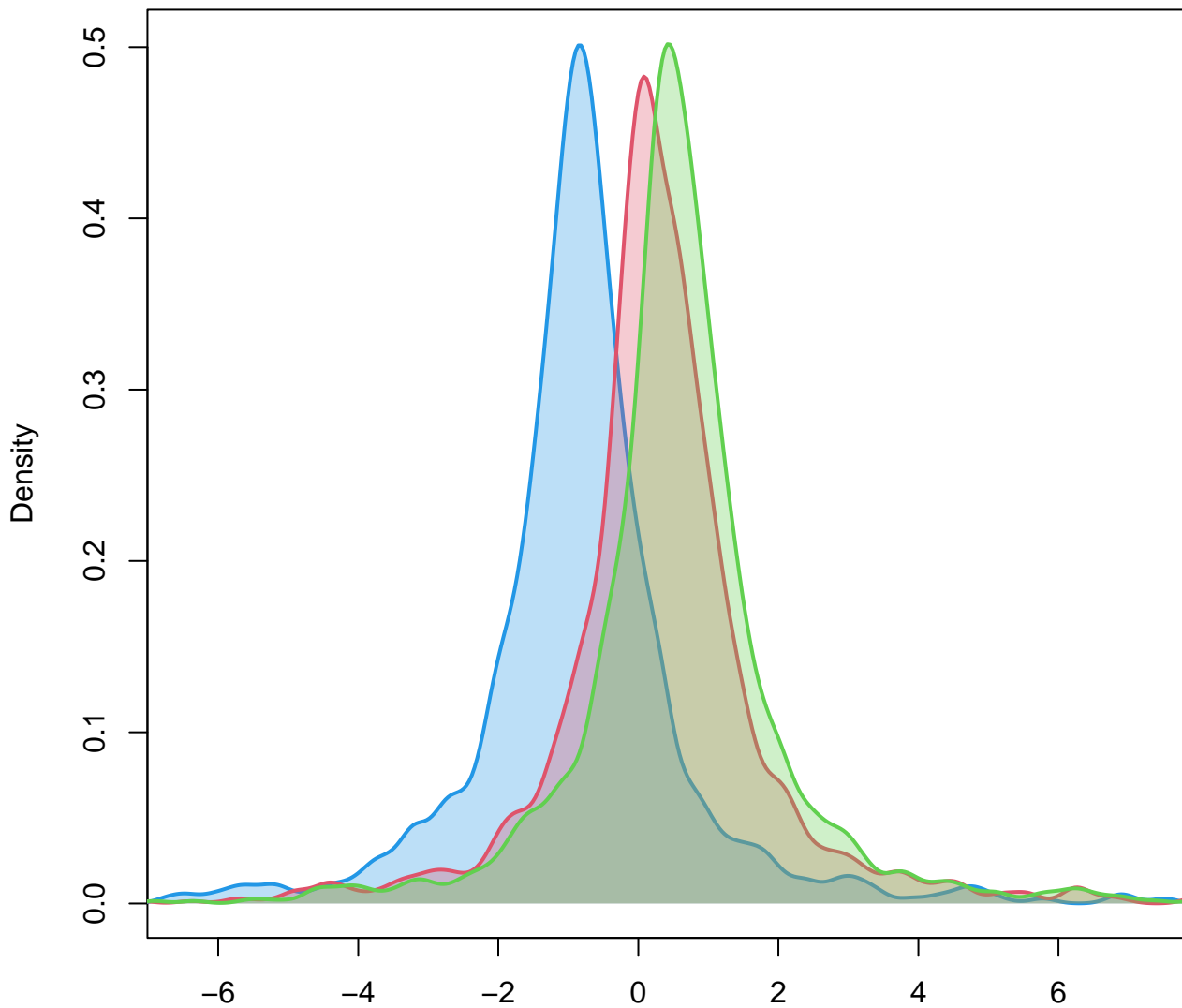


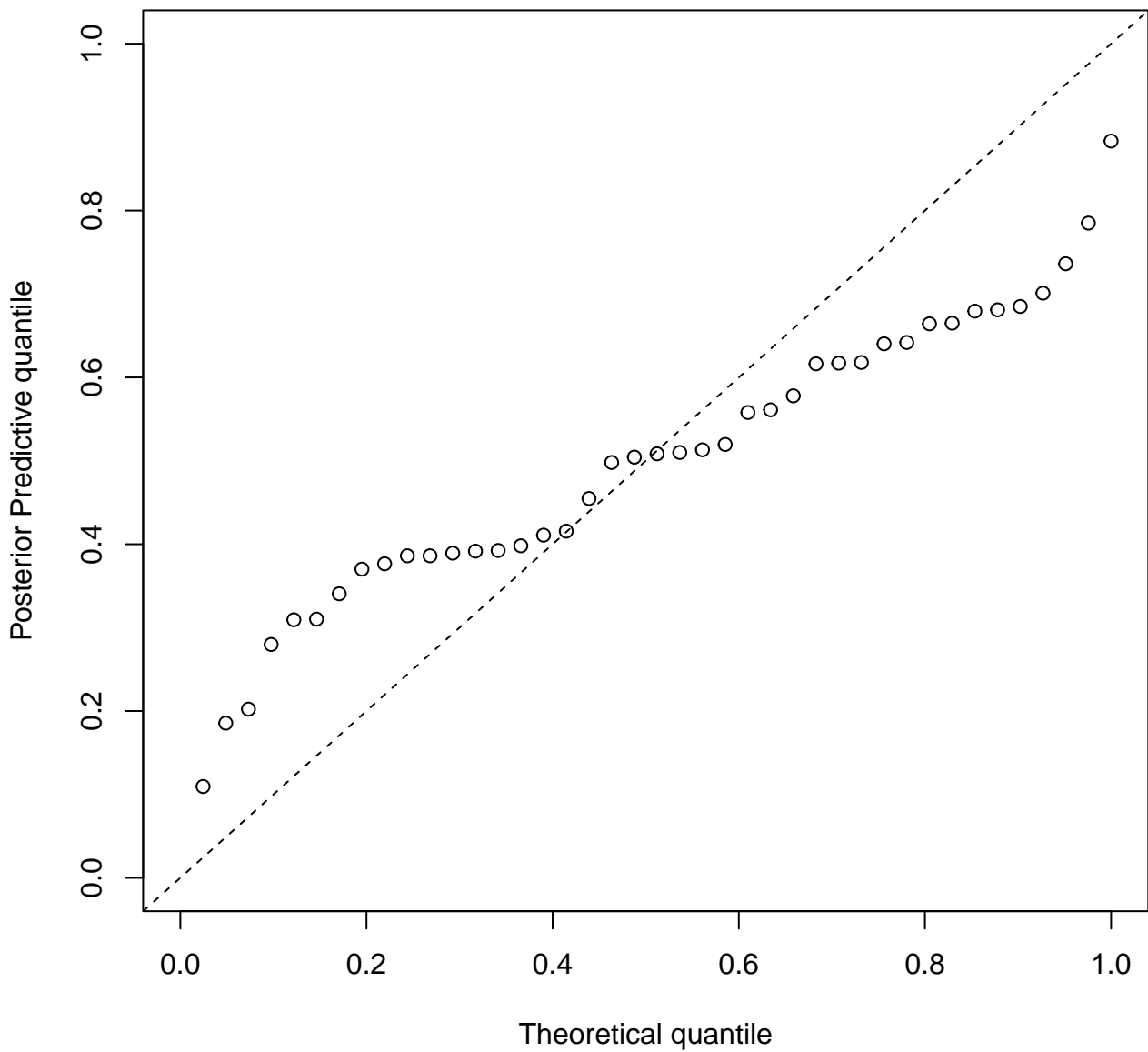


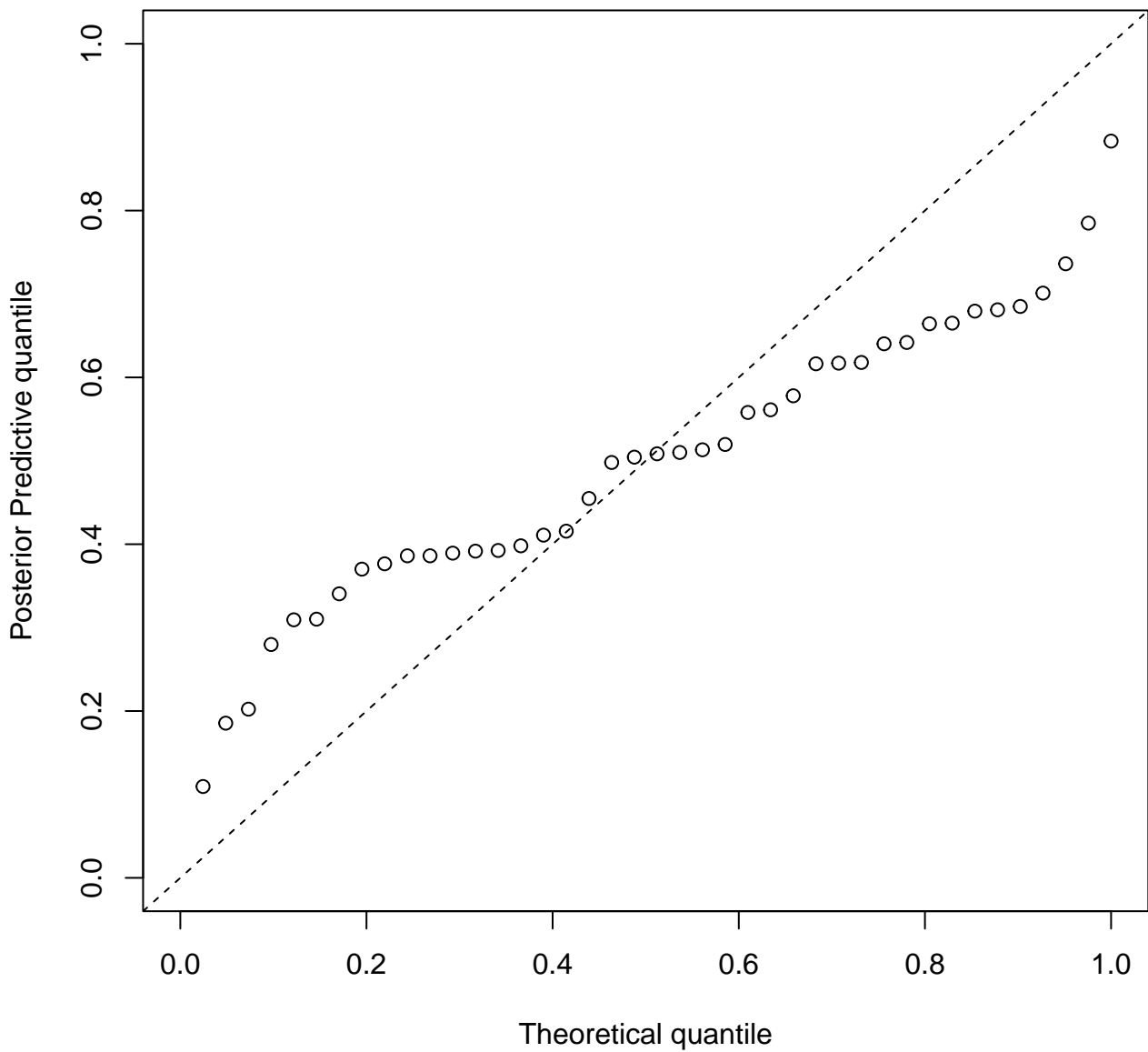


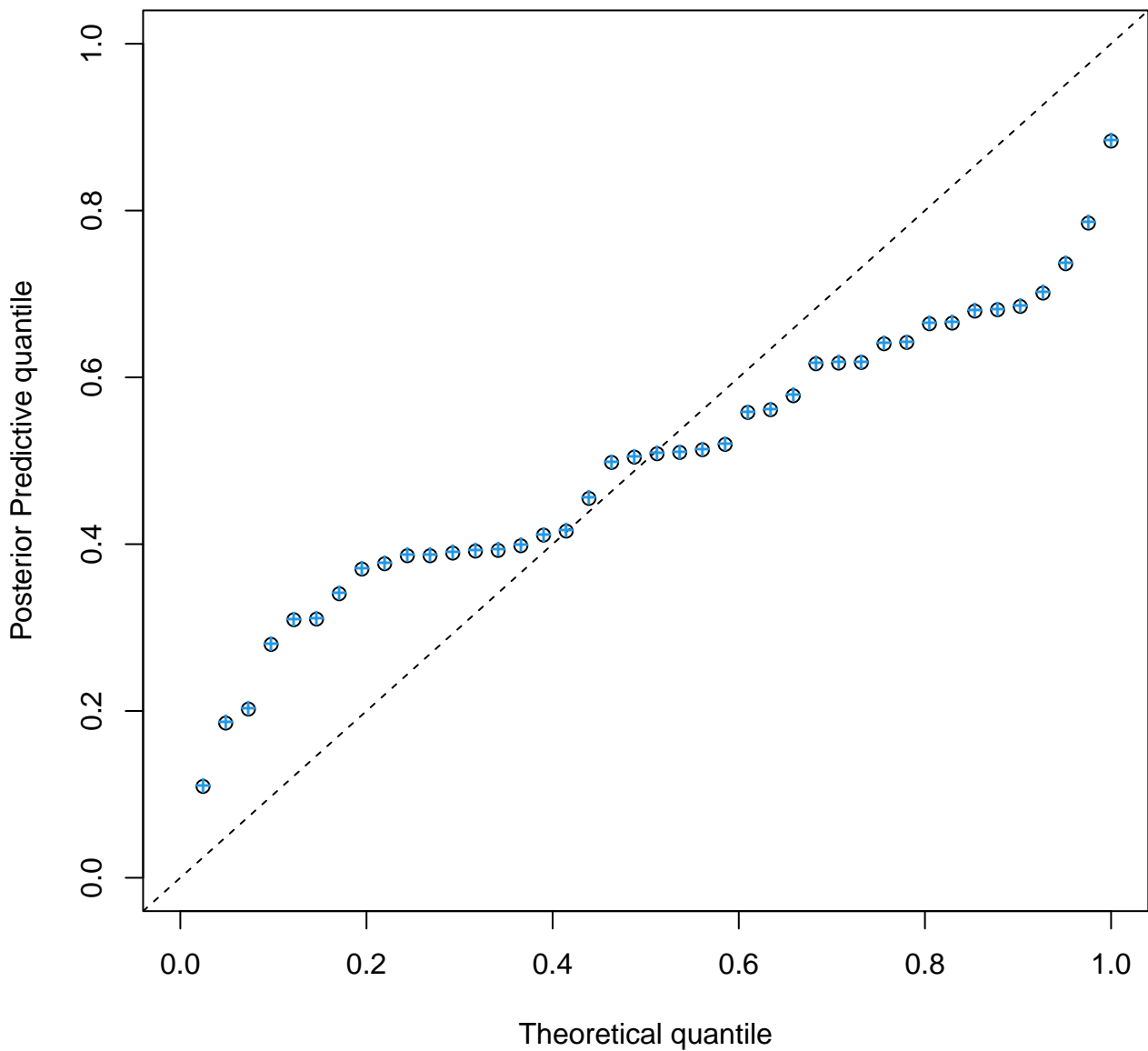
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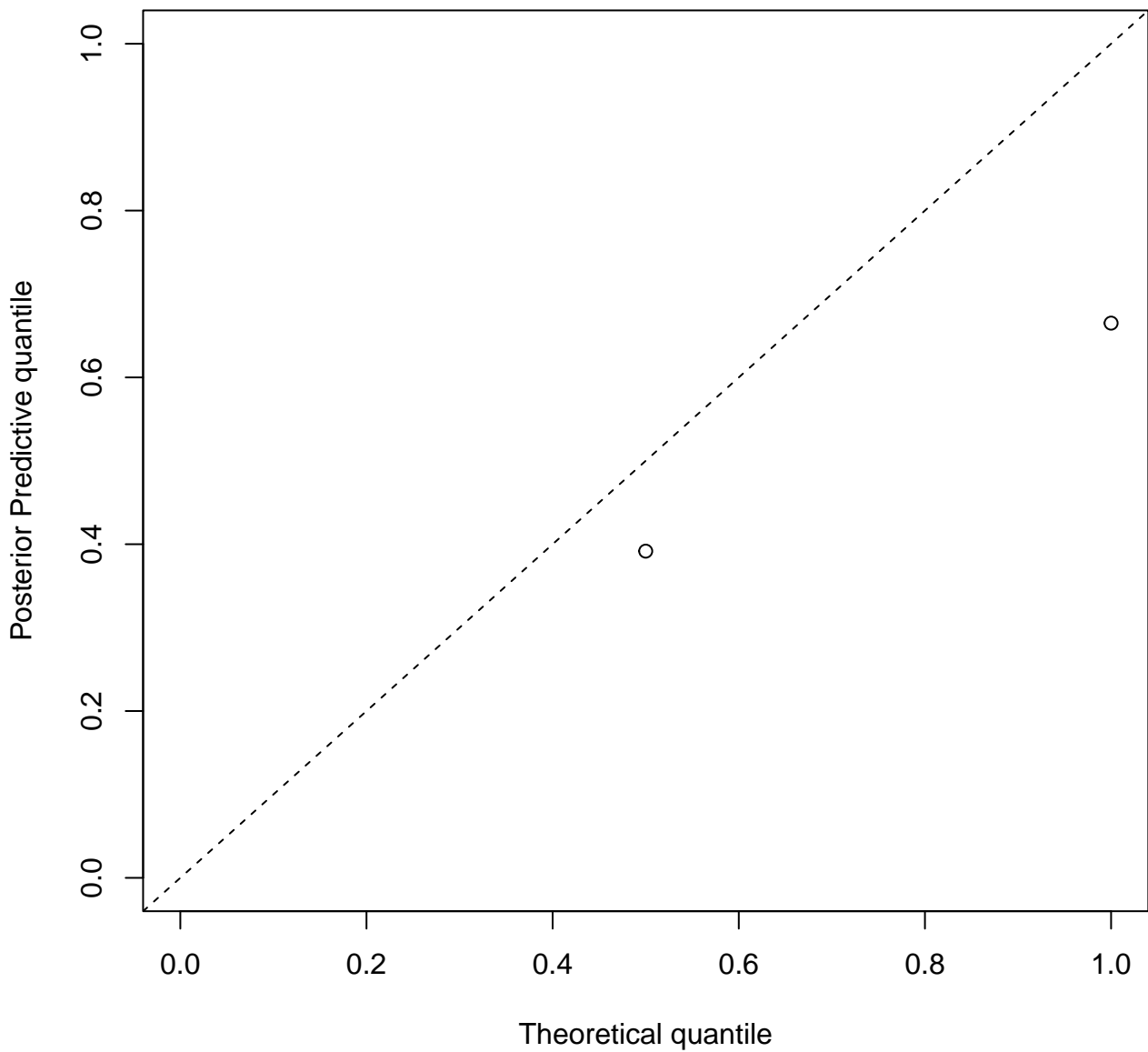


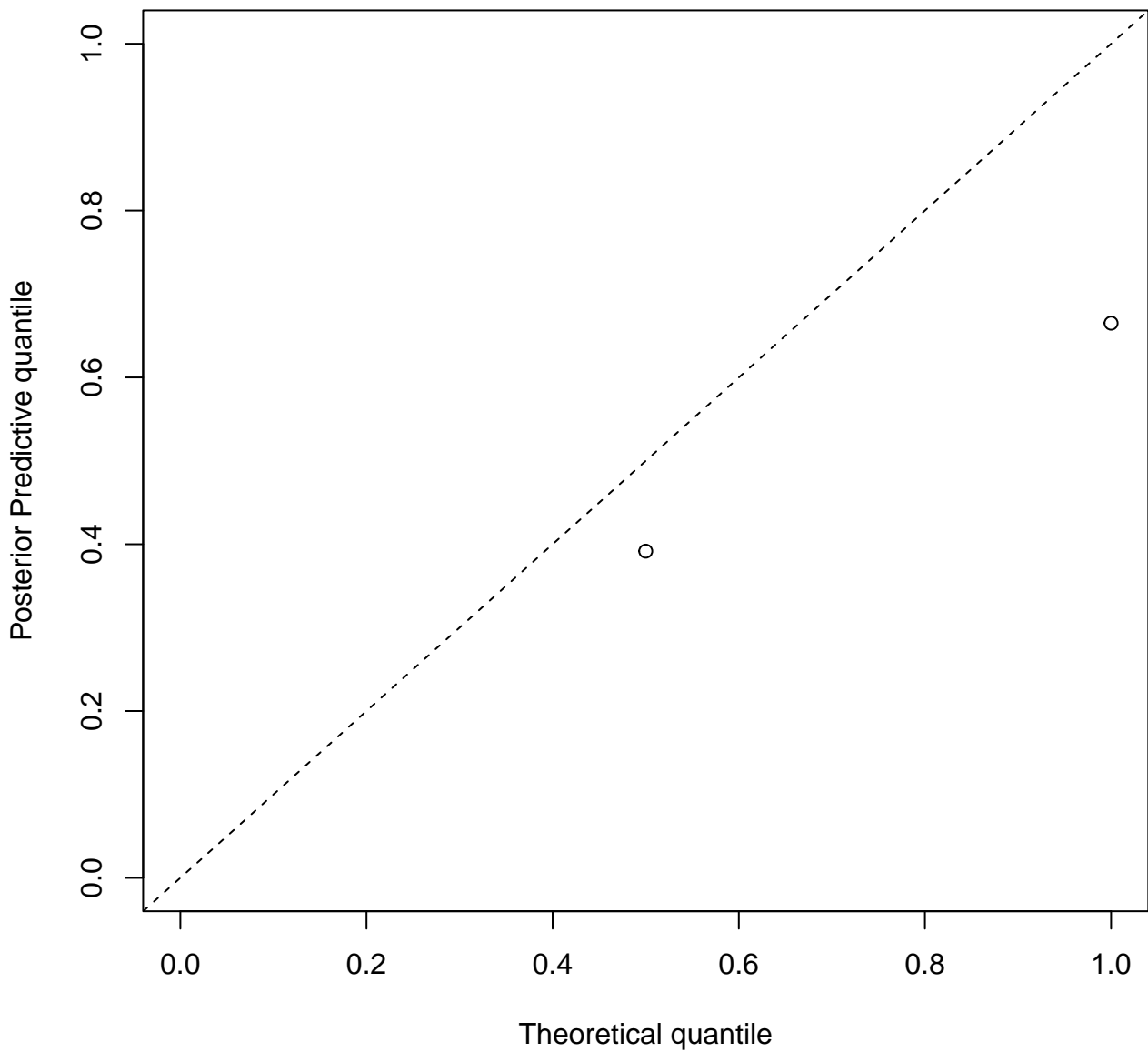




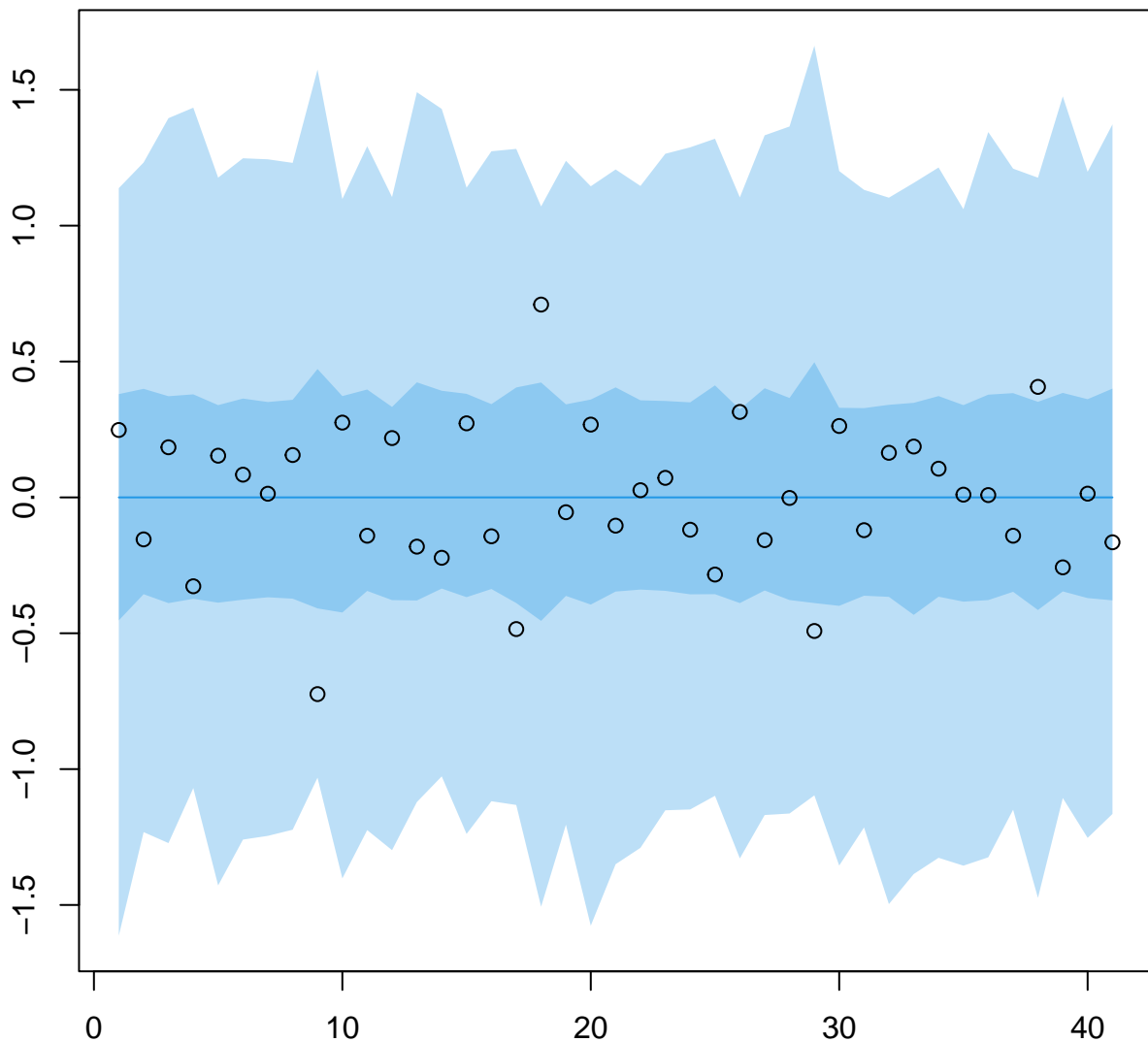


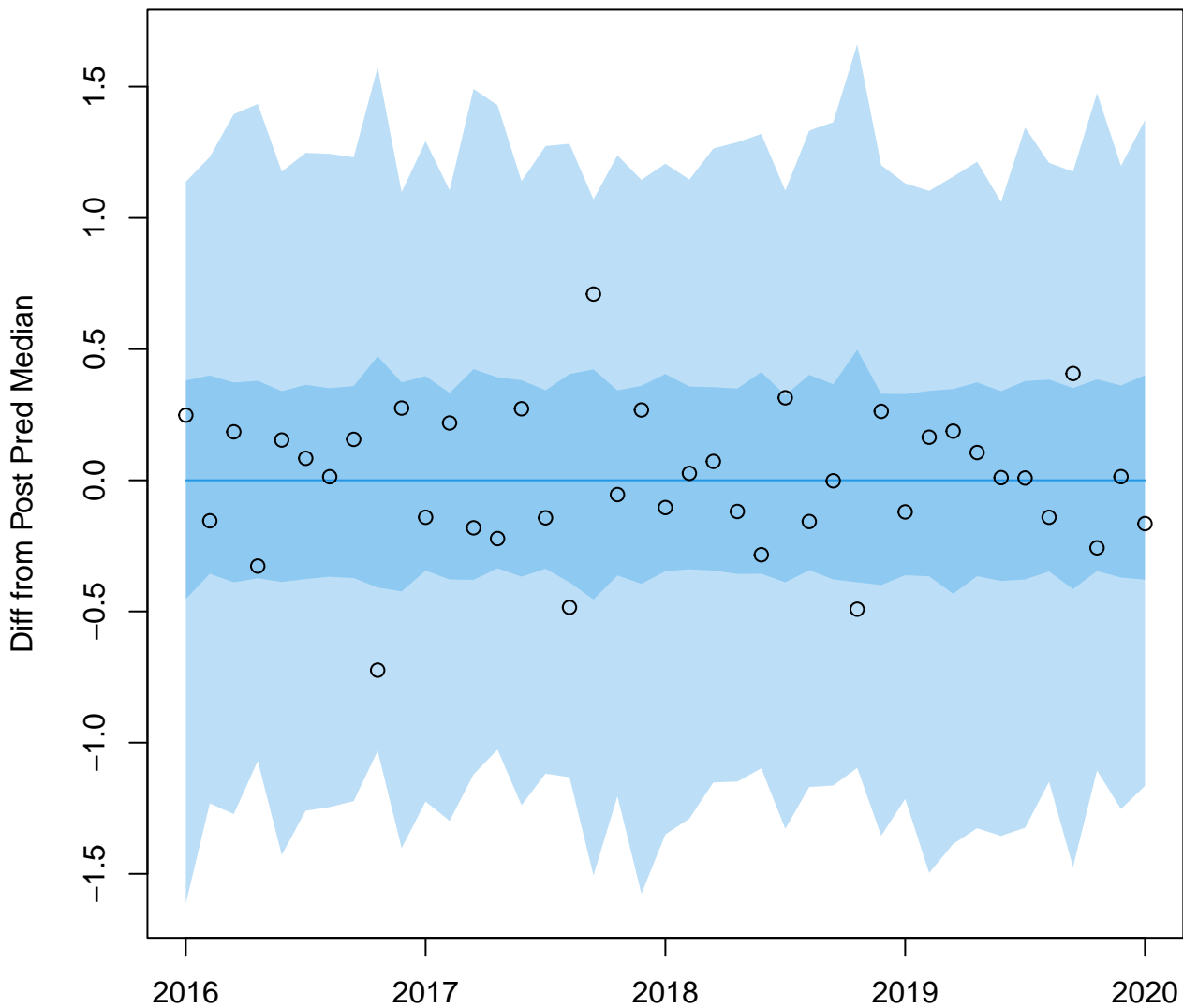




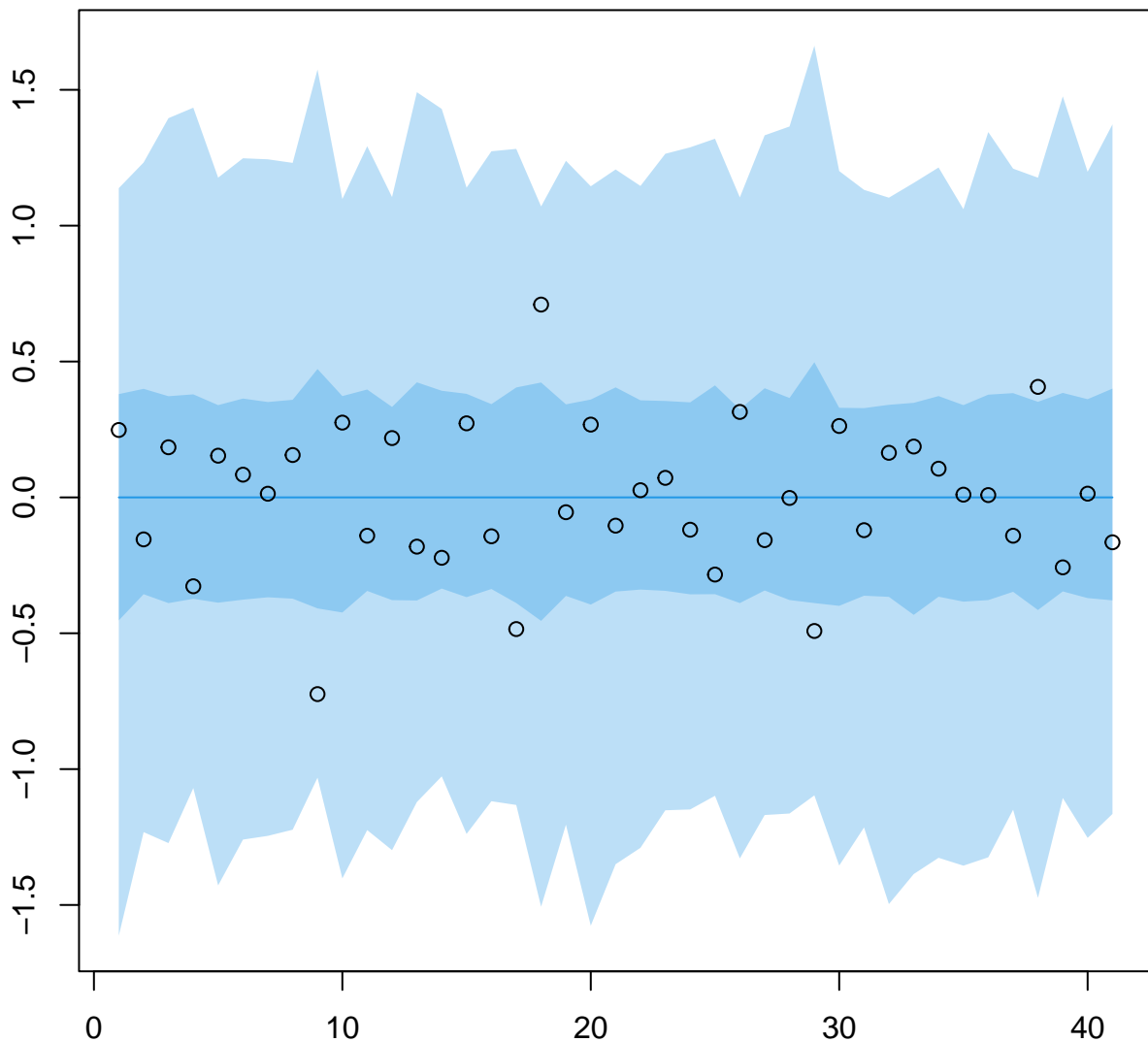


Diff from Post Pred Median

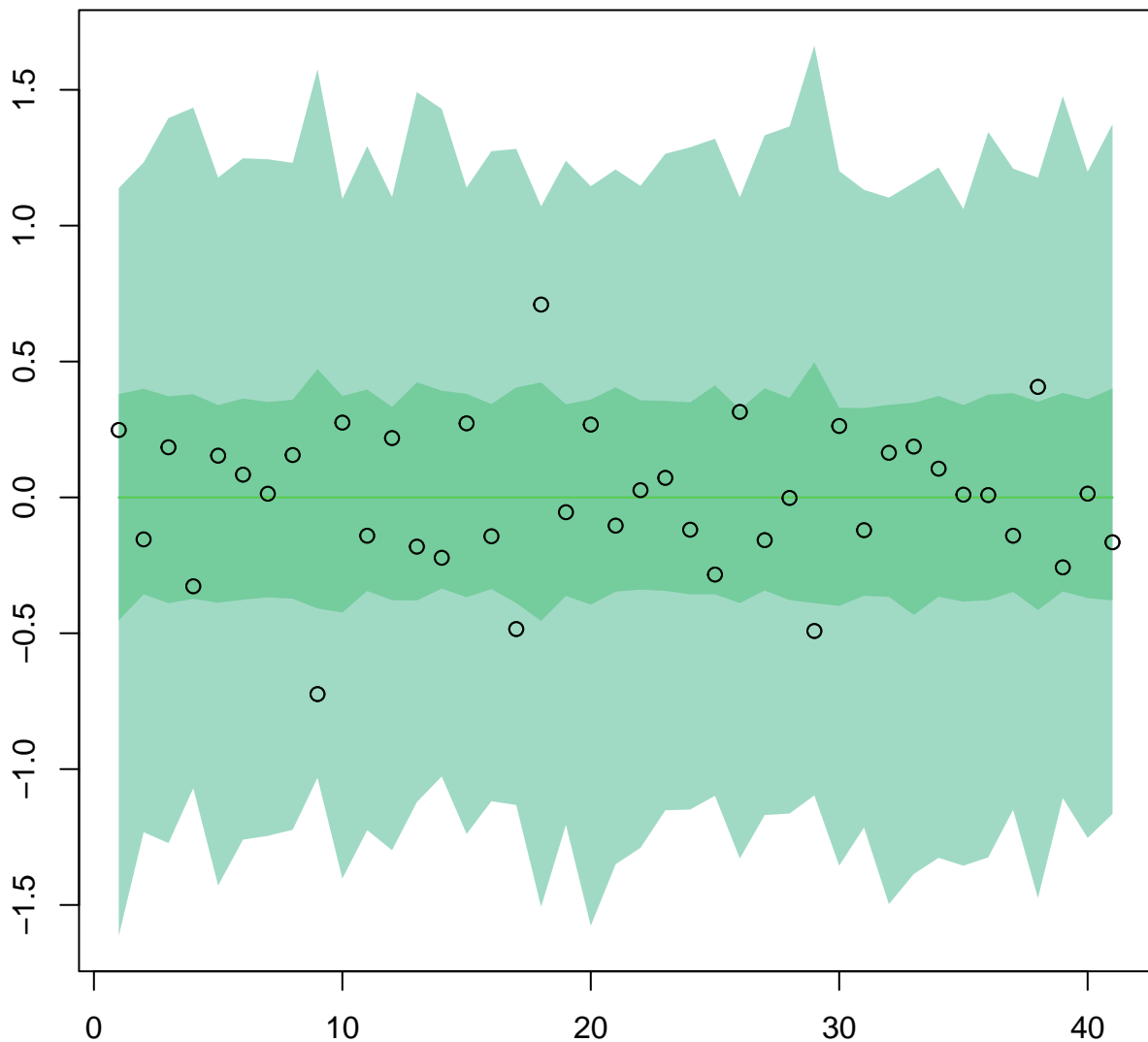




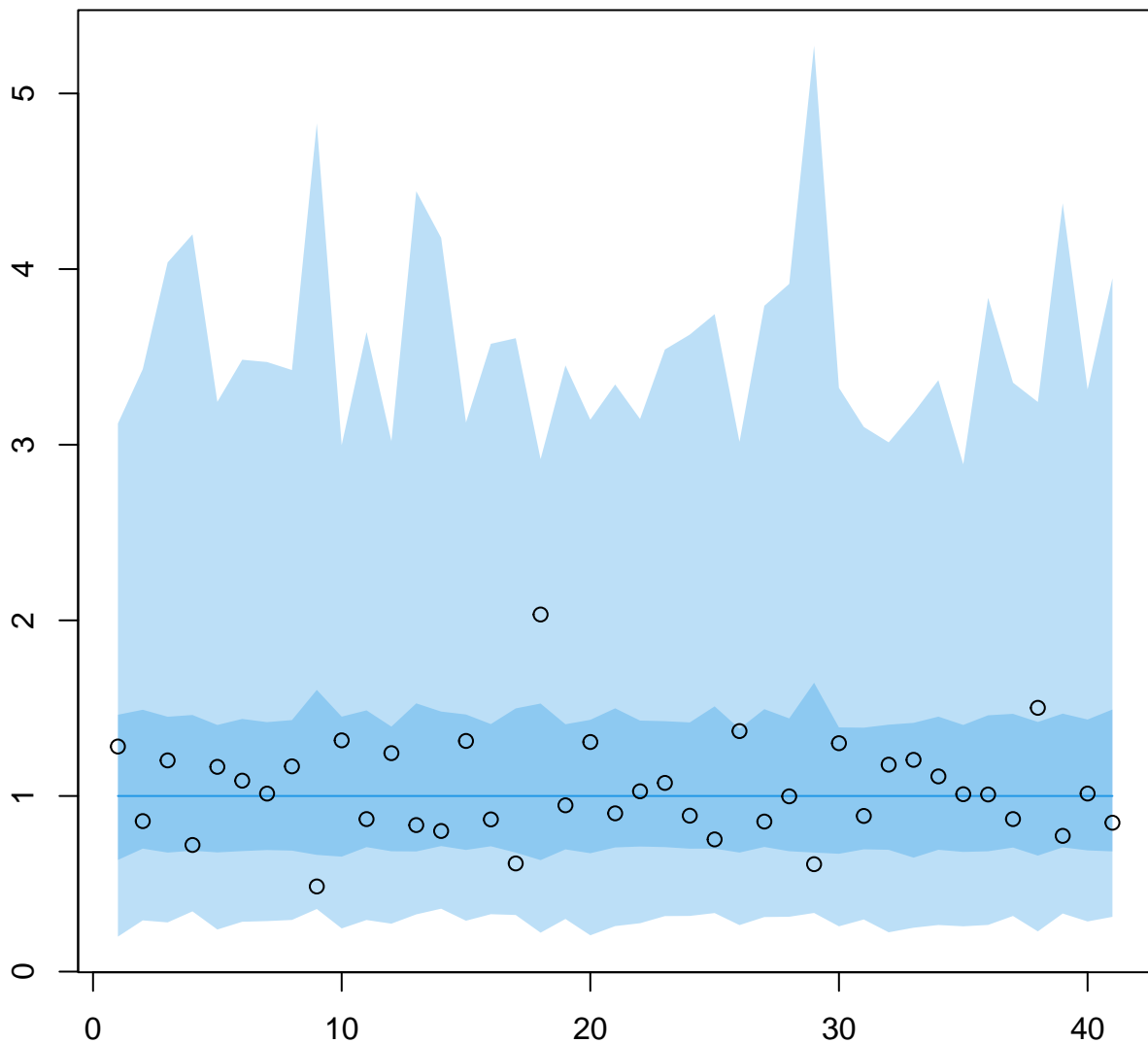
Diff from Post Pred Median



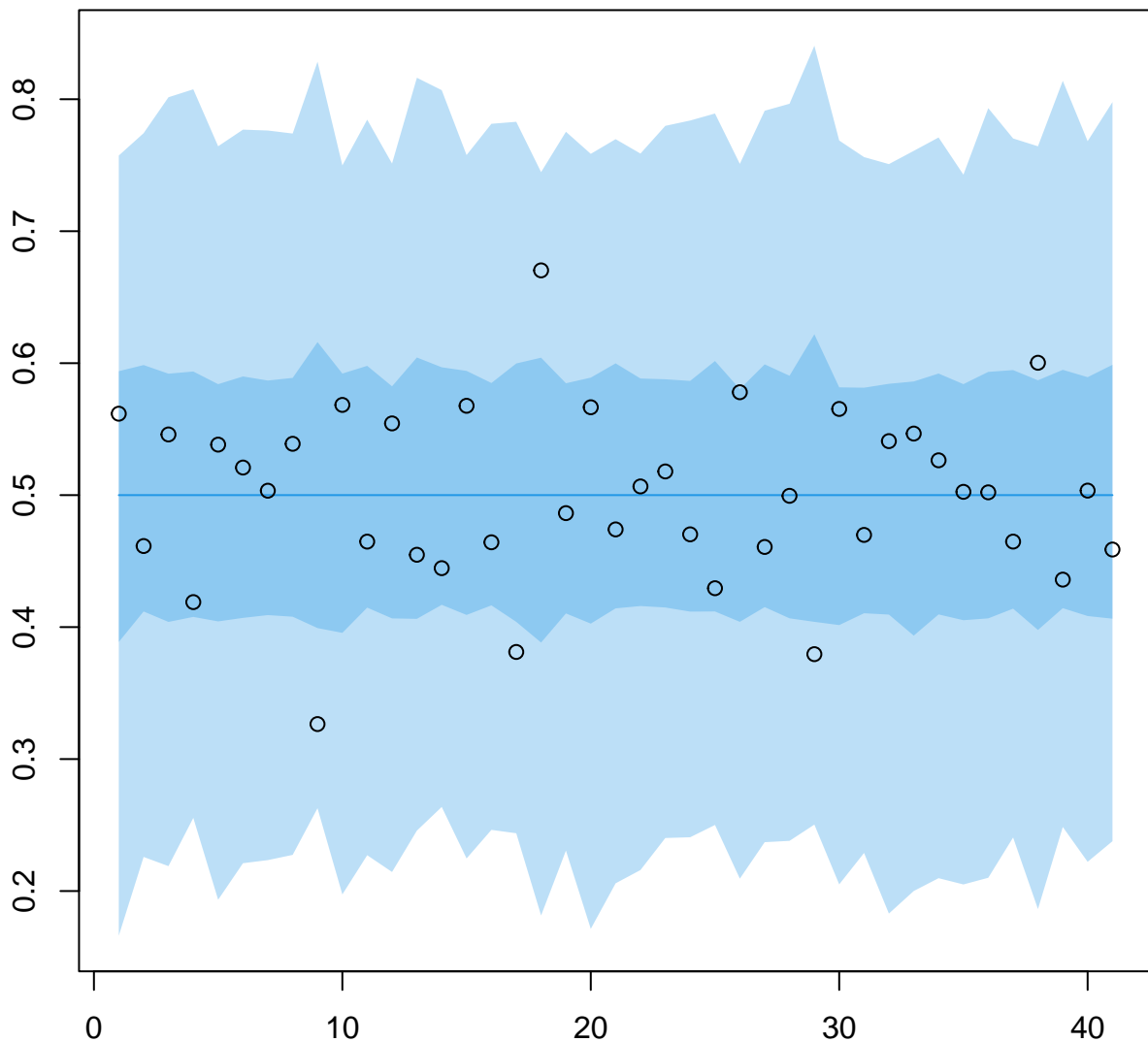
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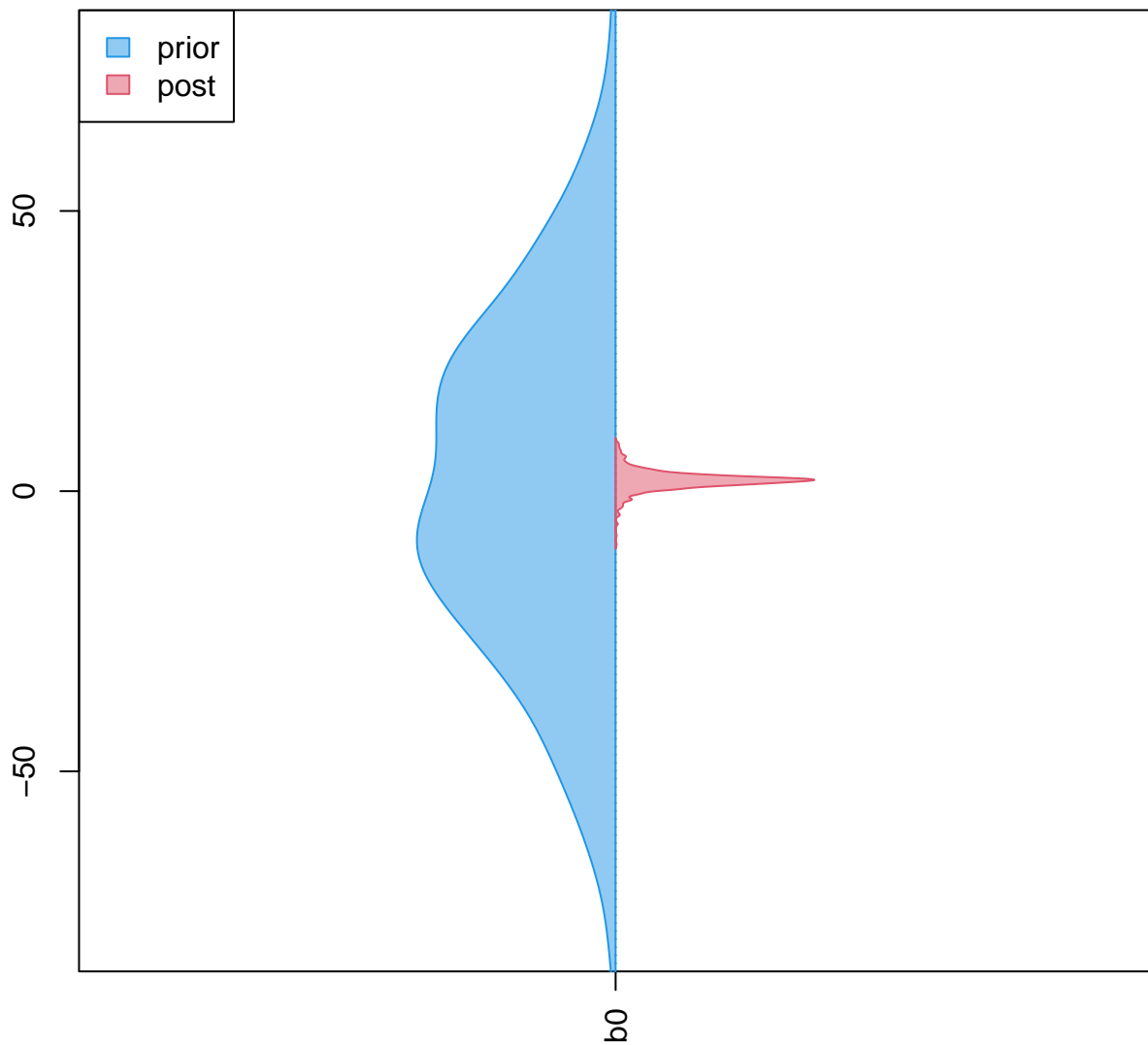
Diff from Post Pred Median



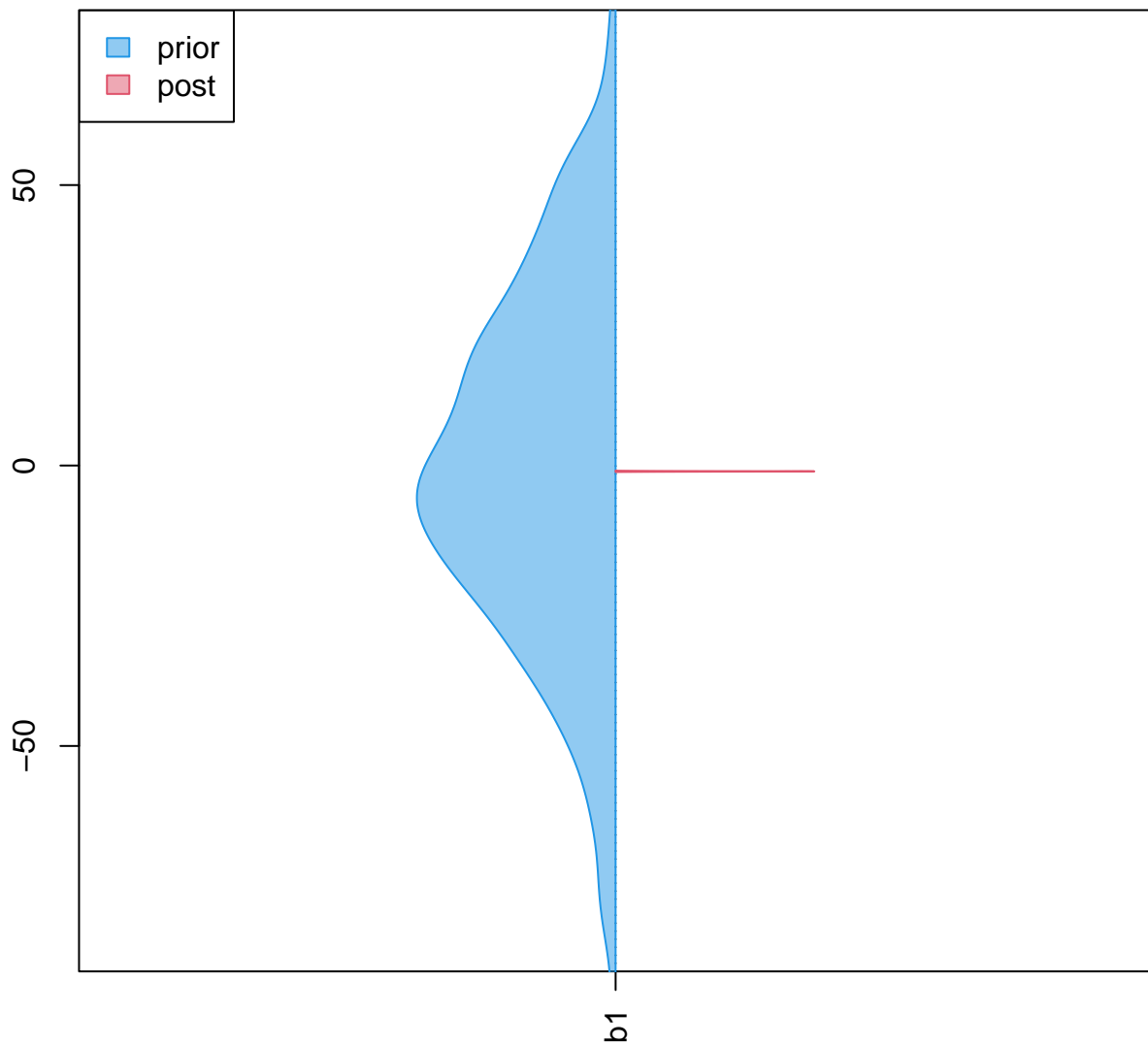
Diff from Post Pred Median



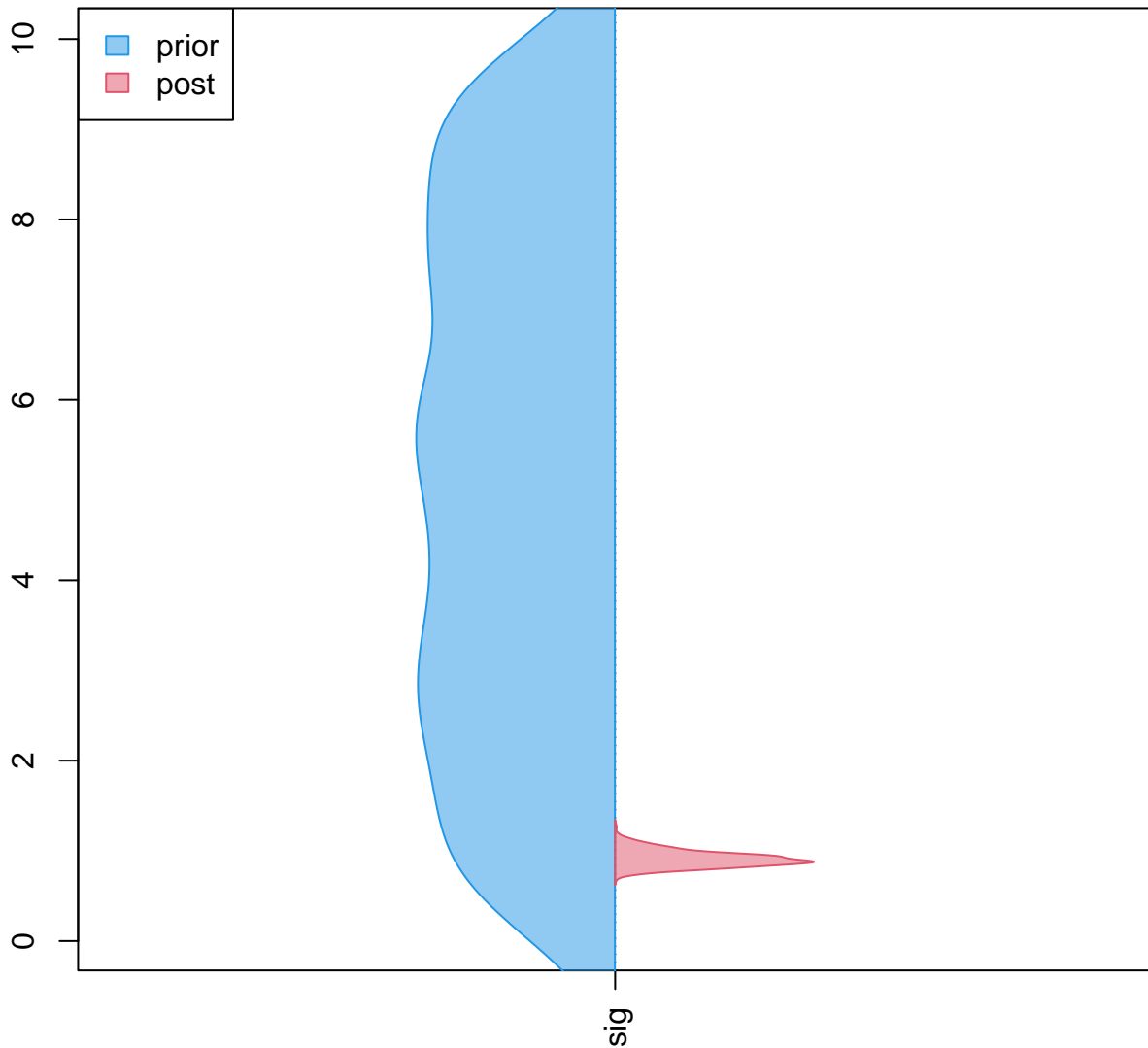
b0



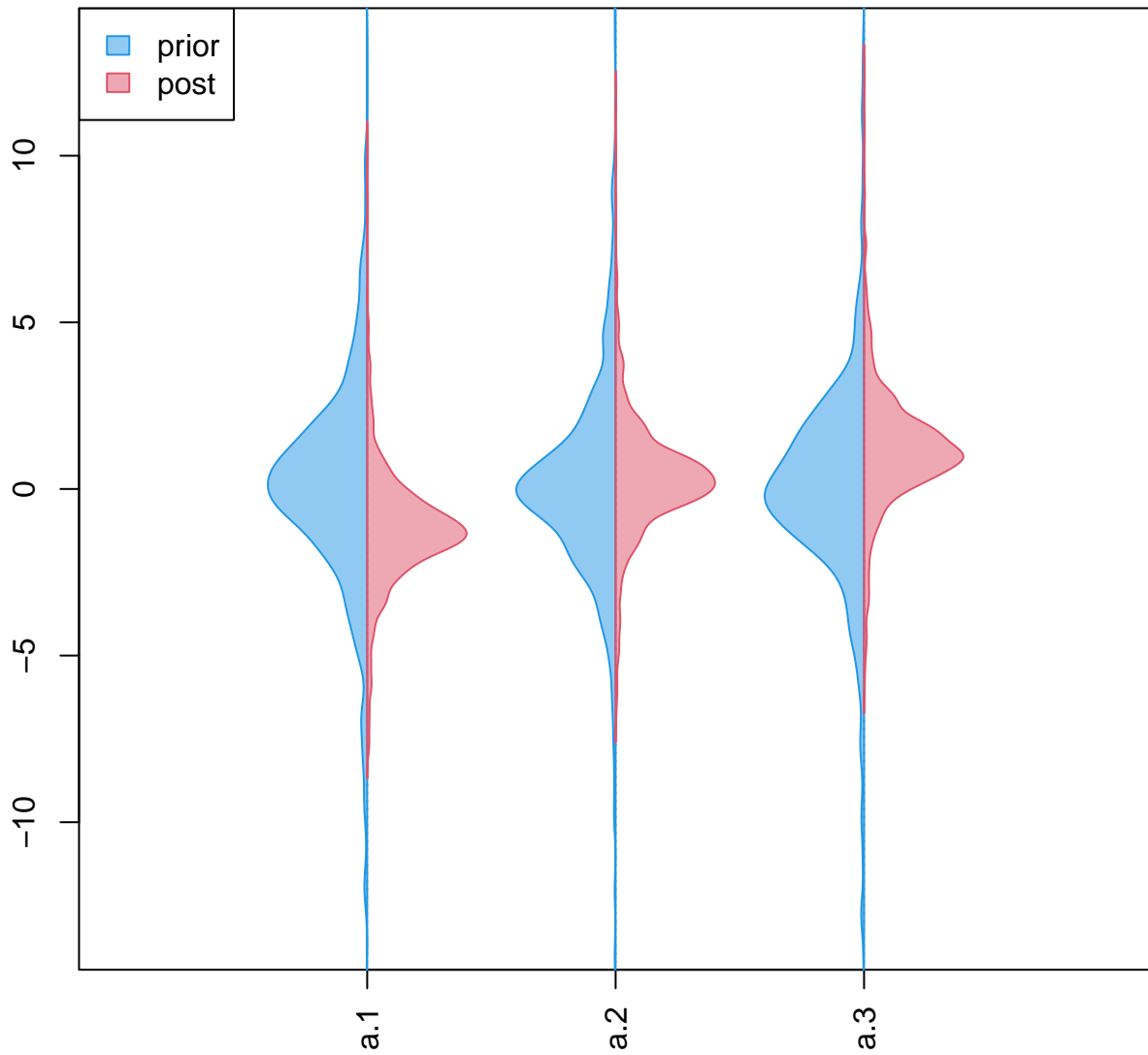
b1



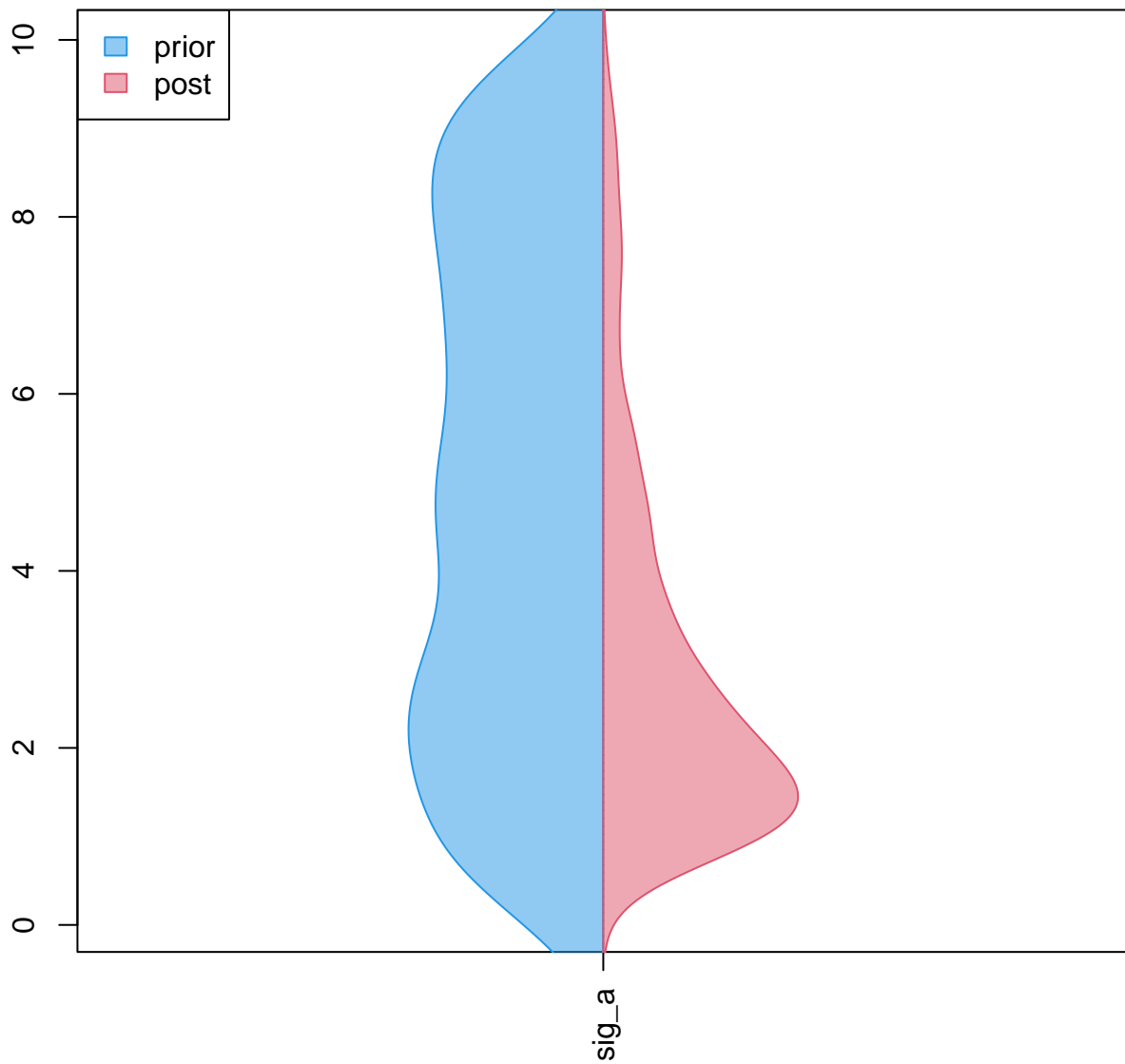
sig

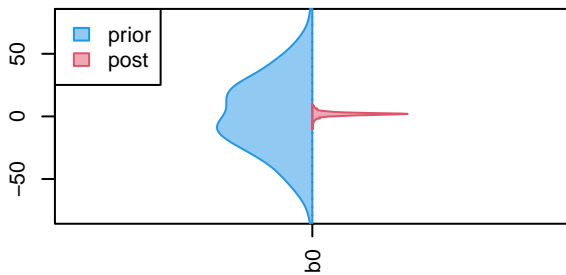
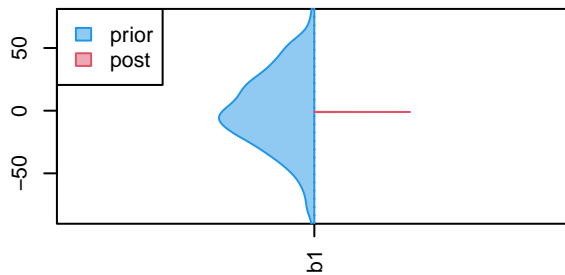
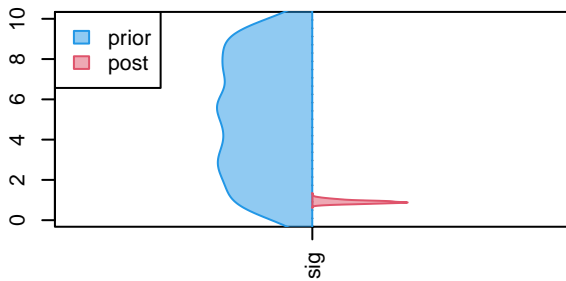
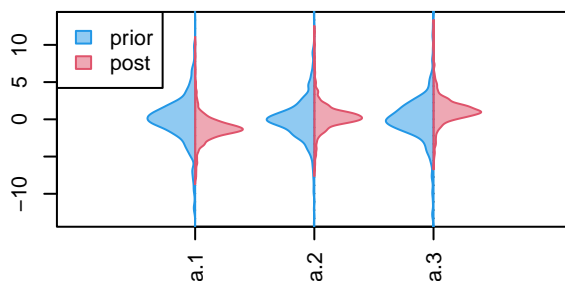
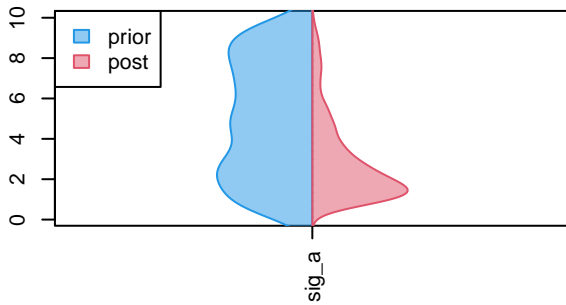


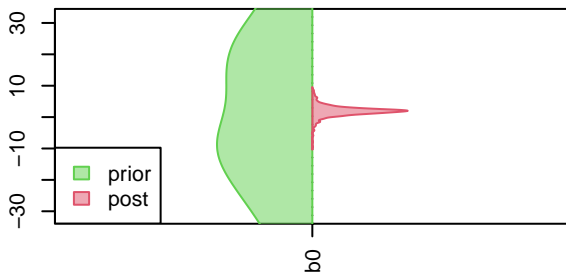
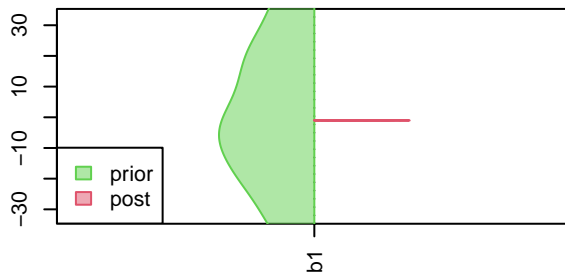
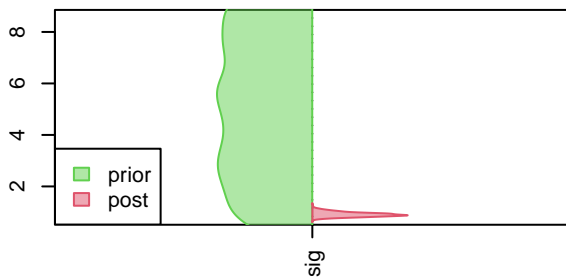
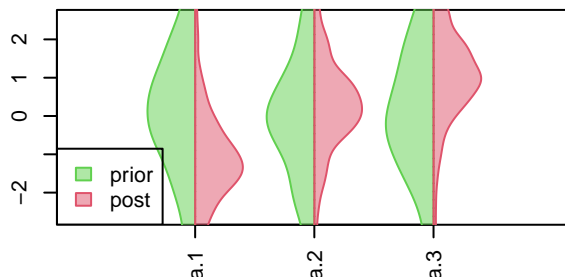
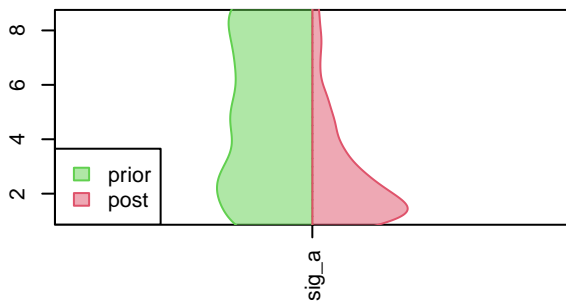
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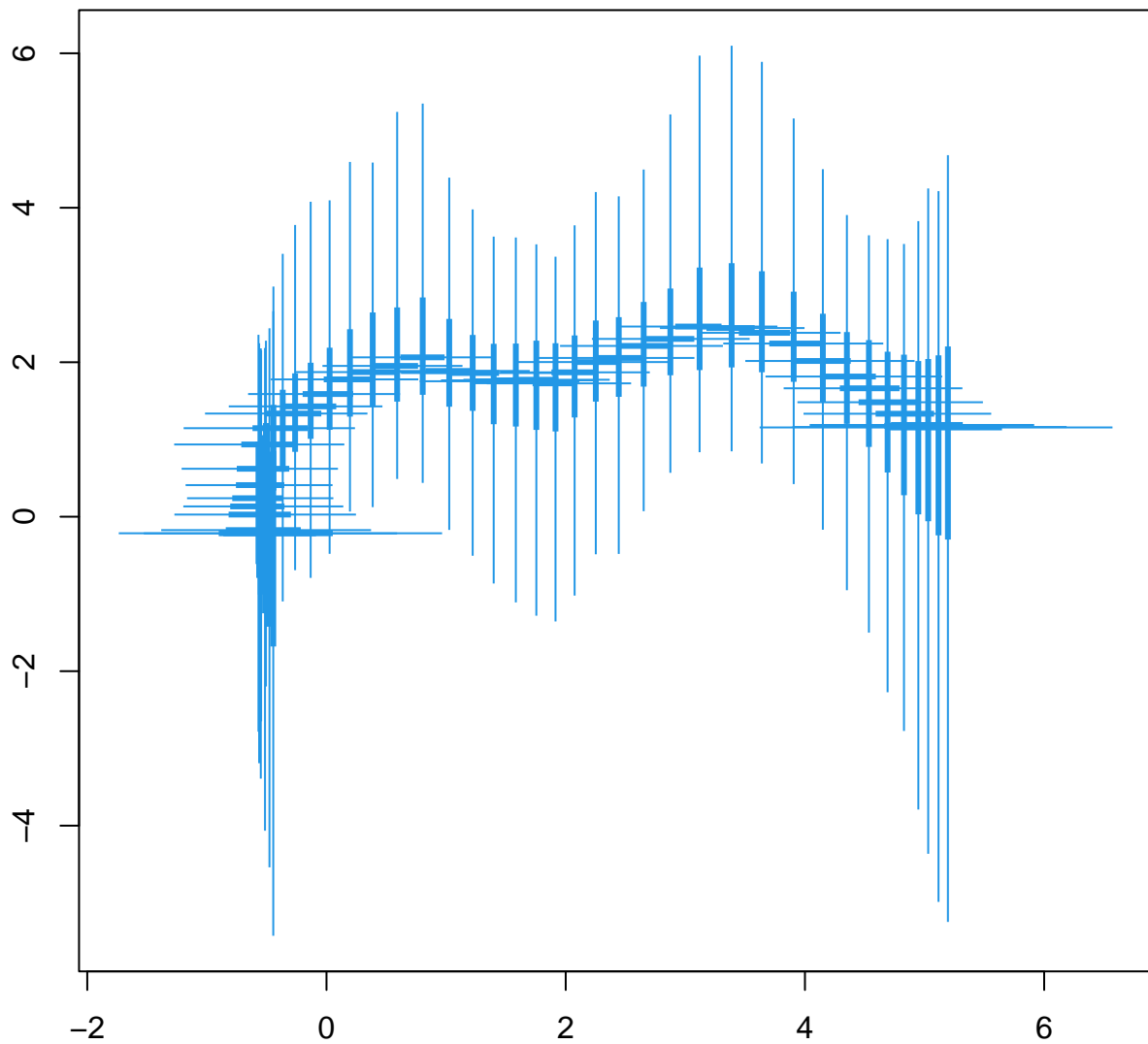


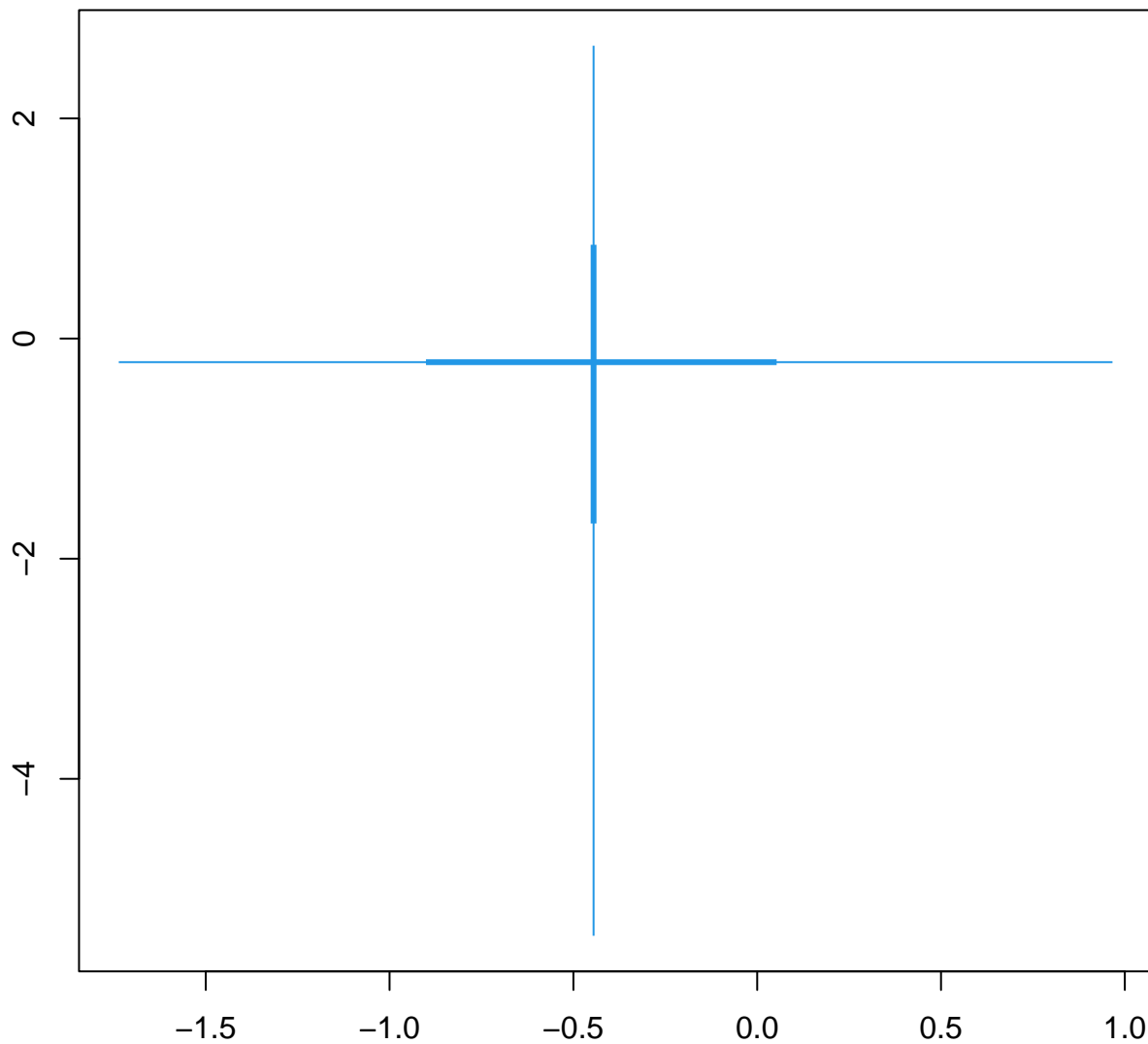
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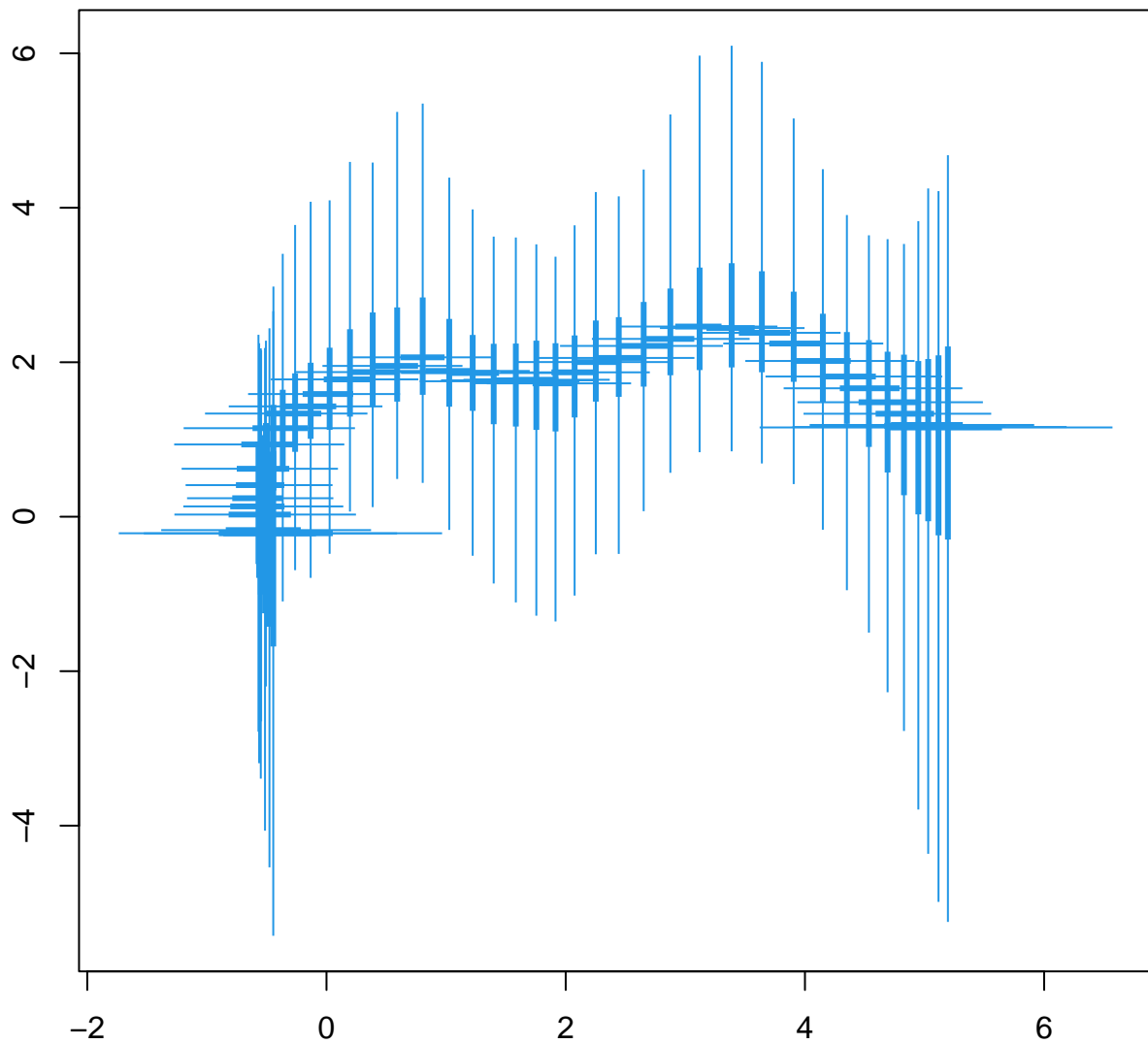


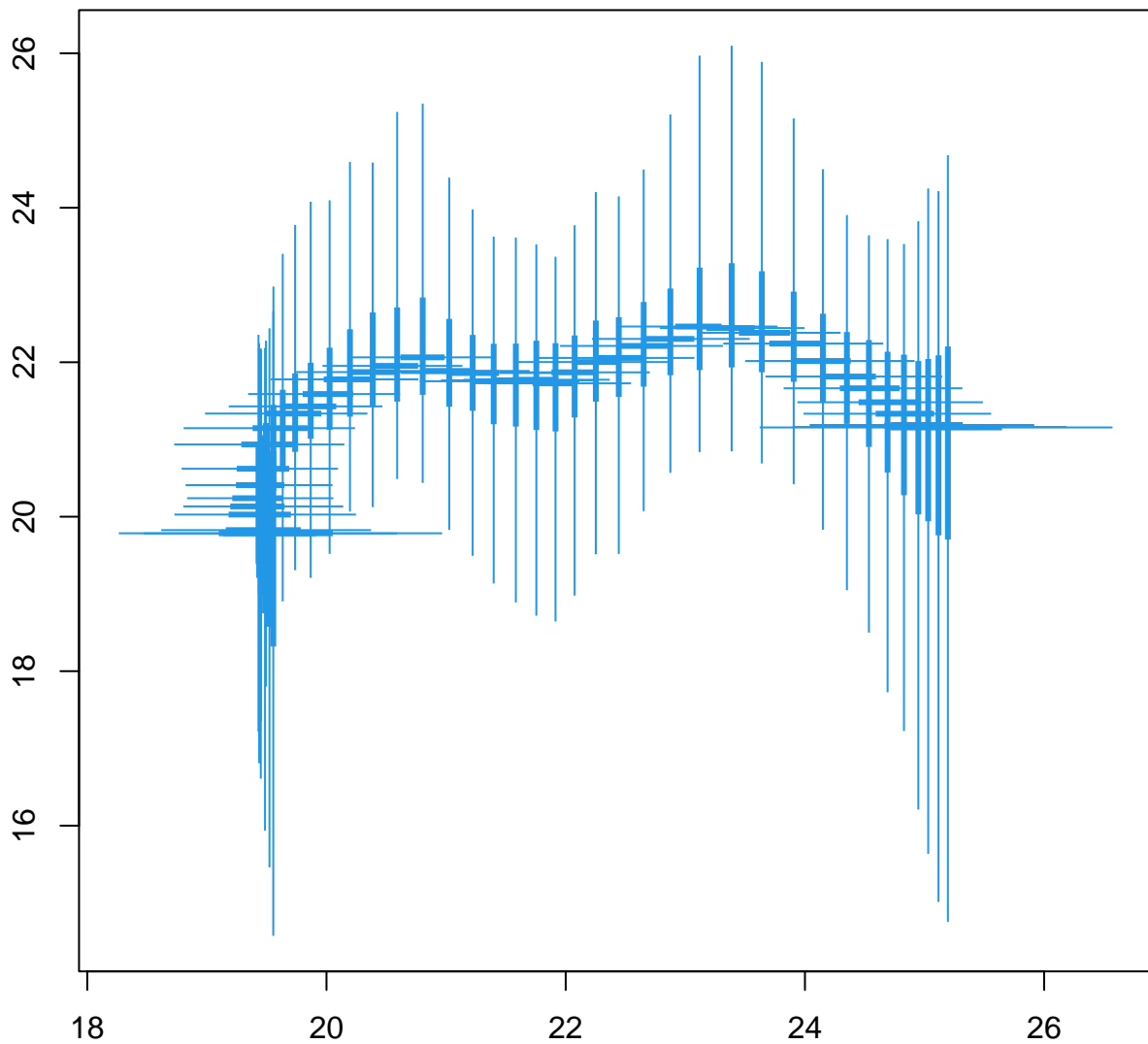
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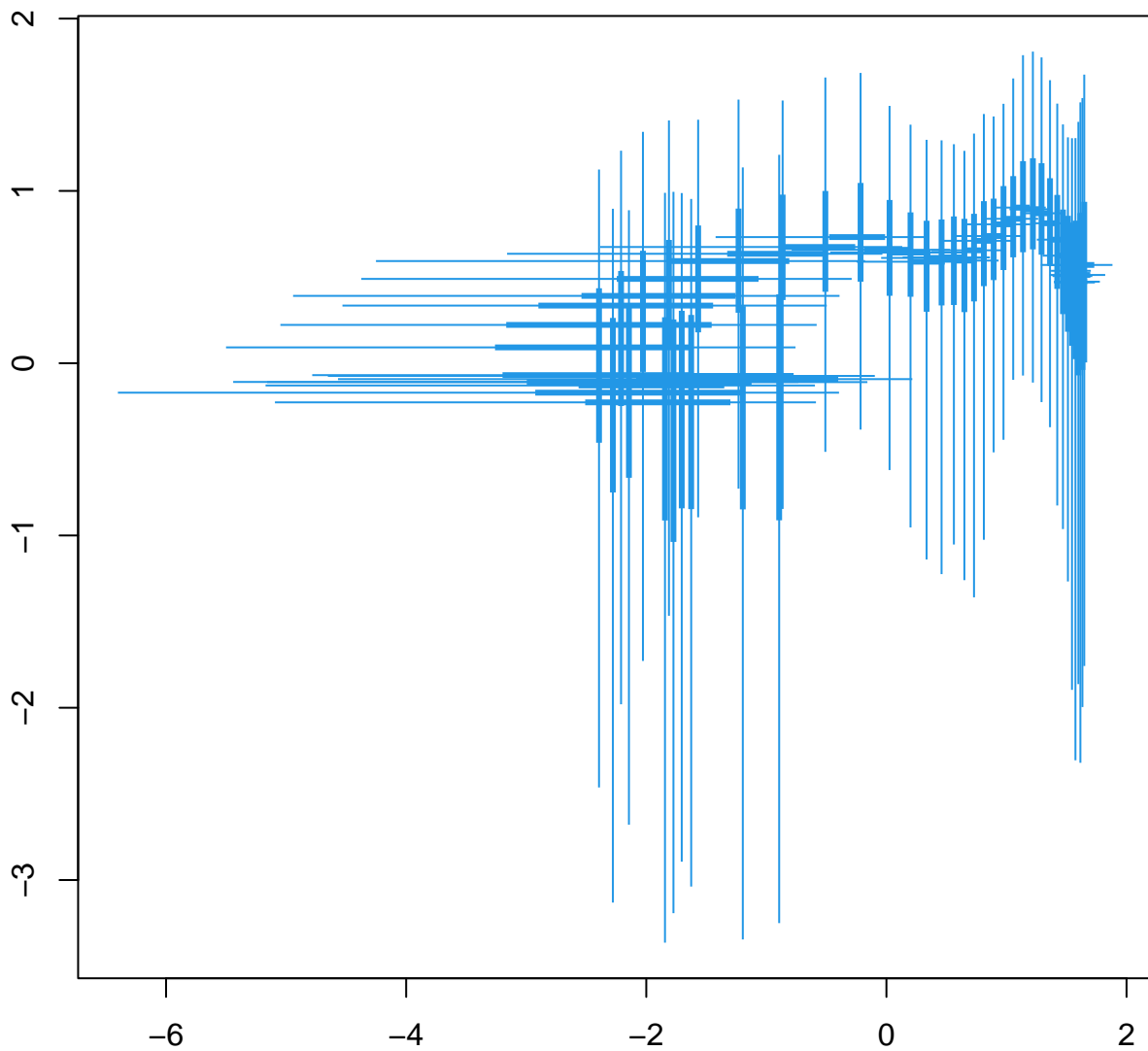
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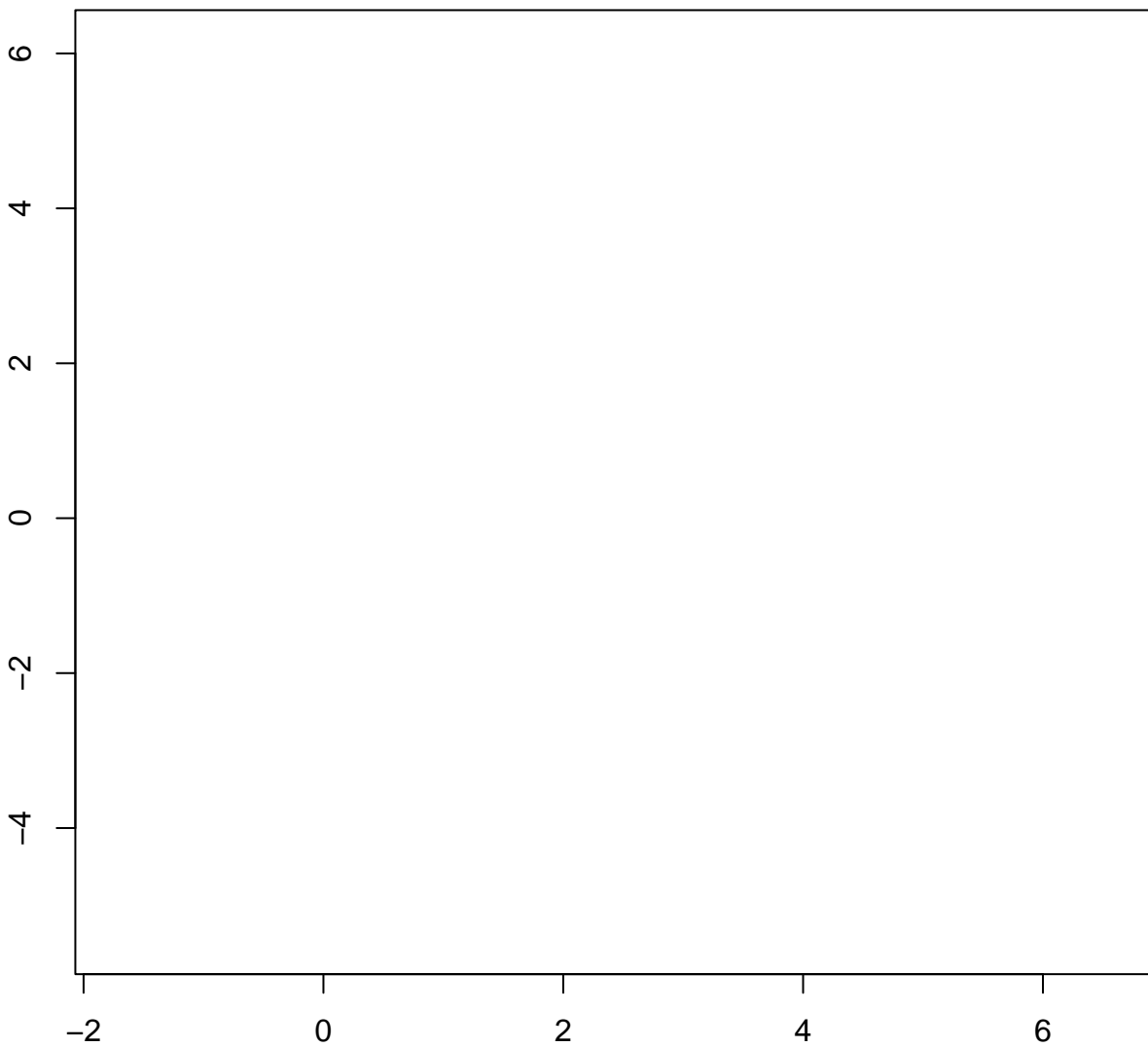


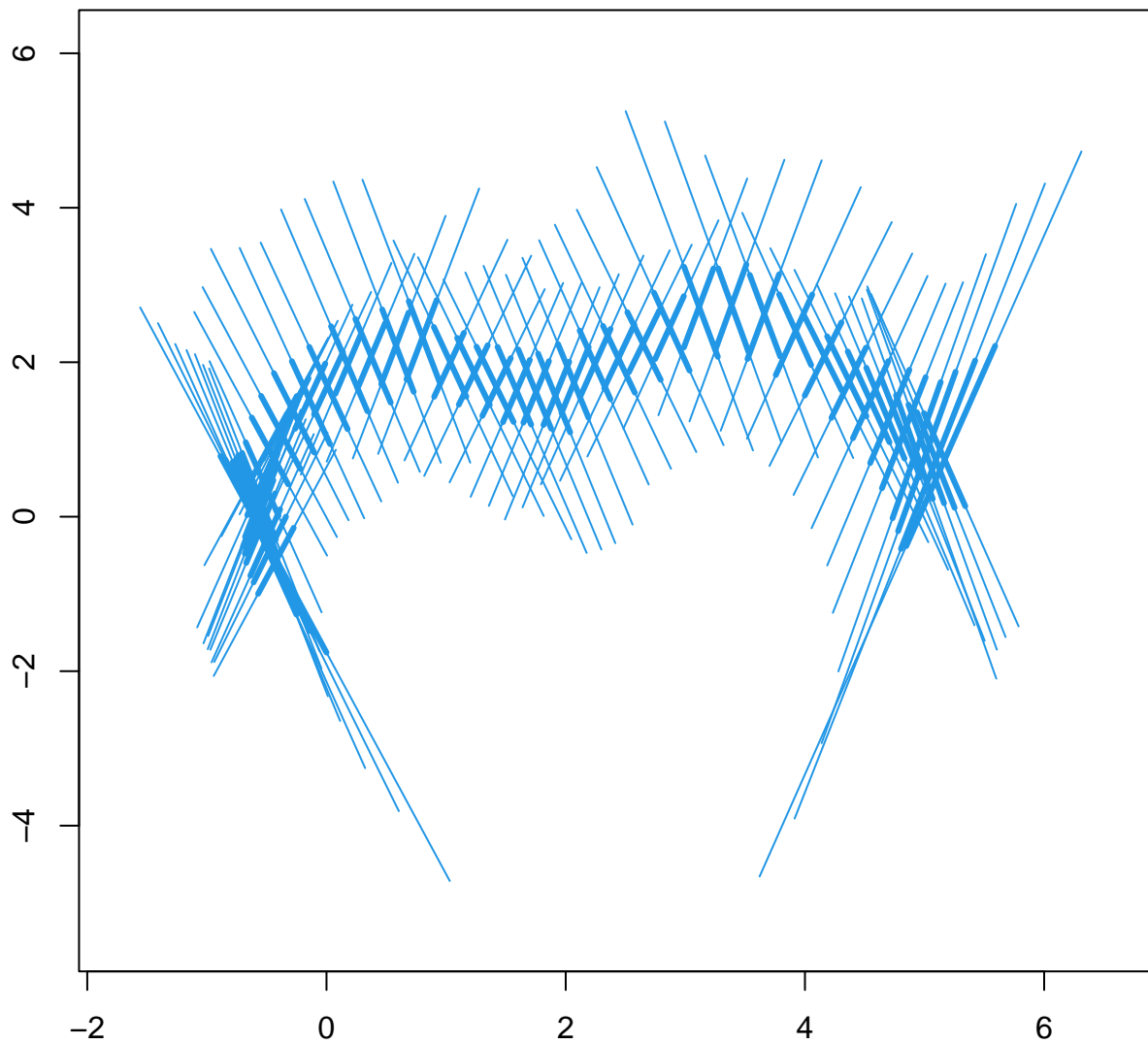


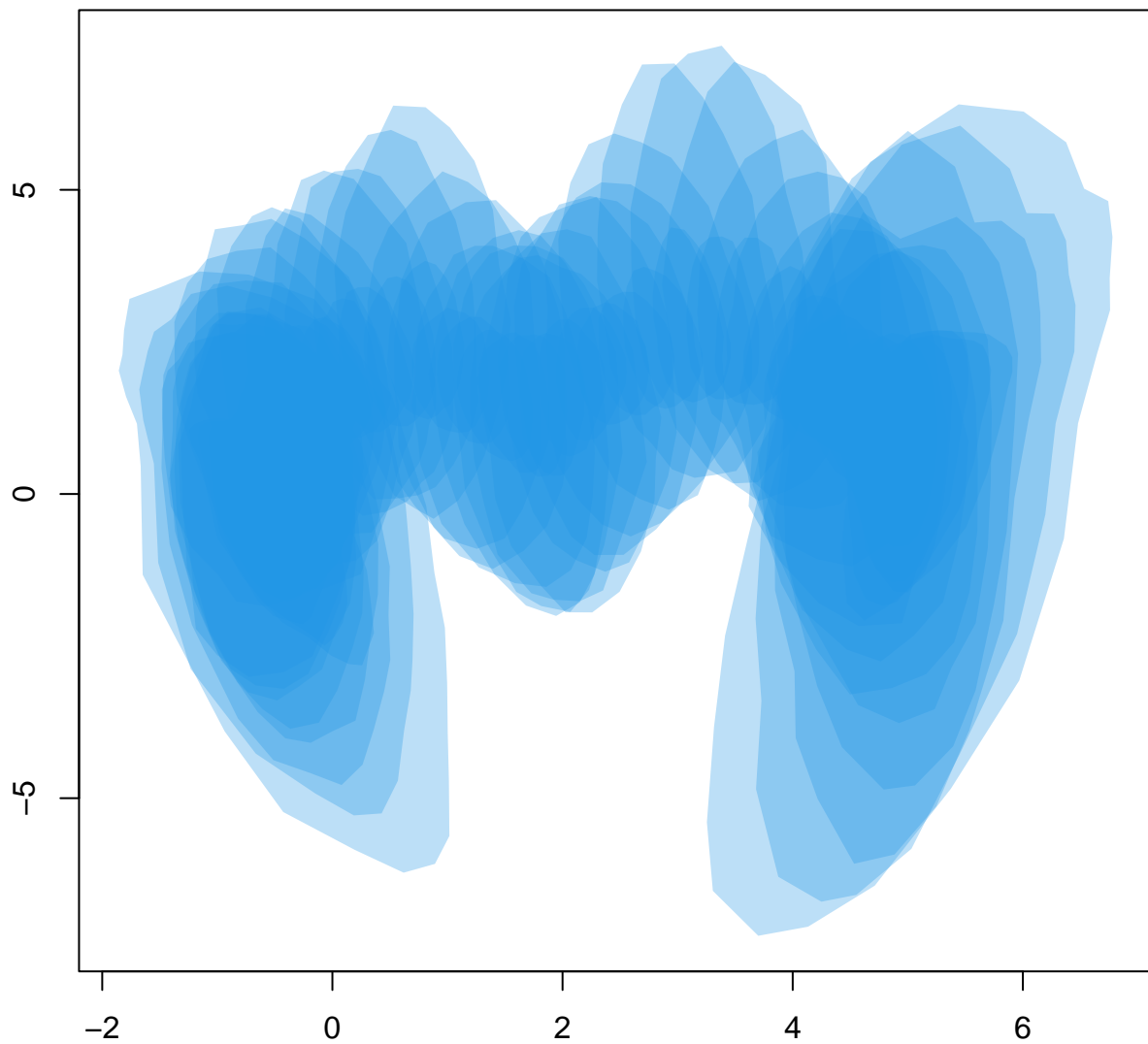


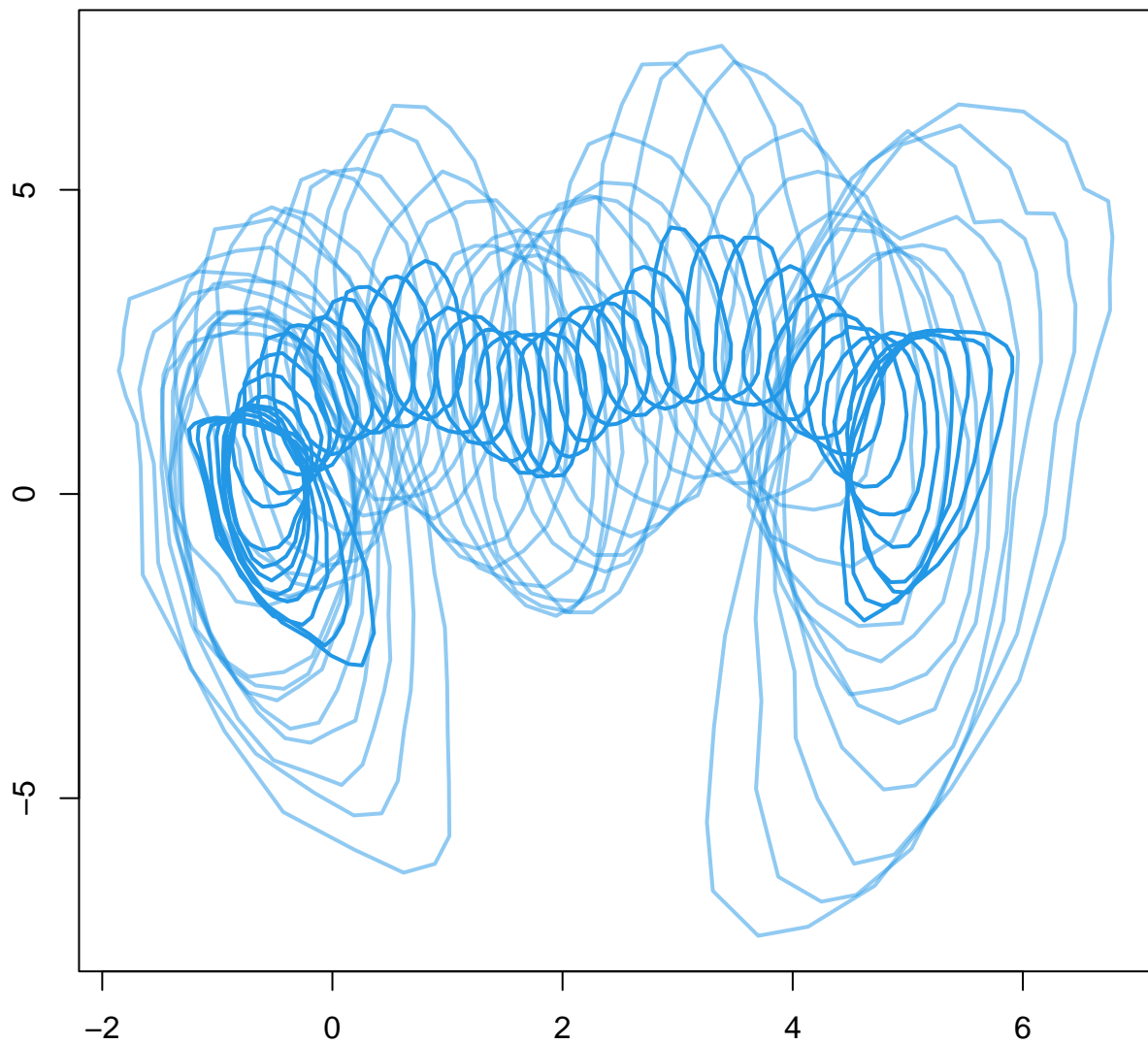


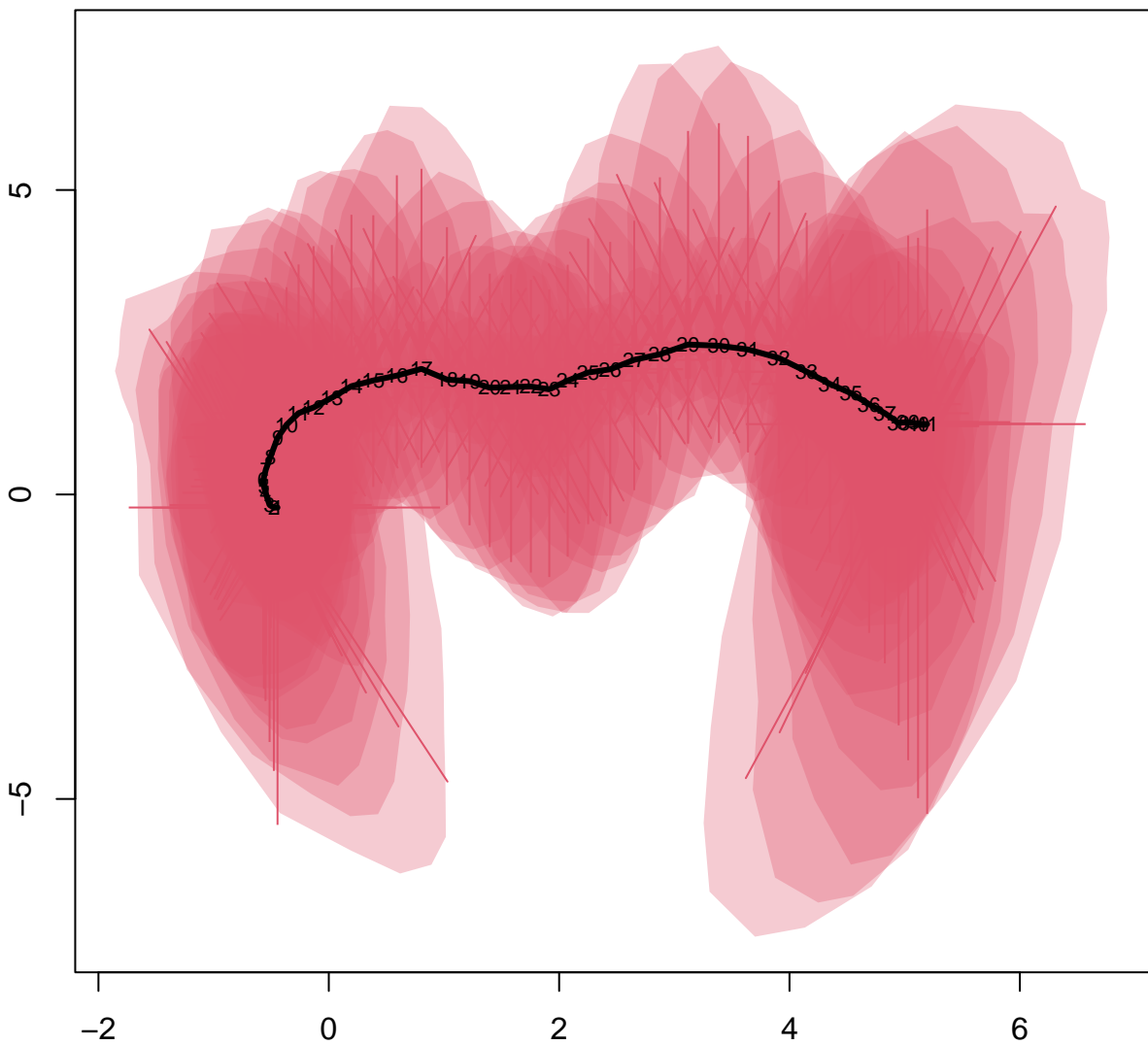


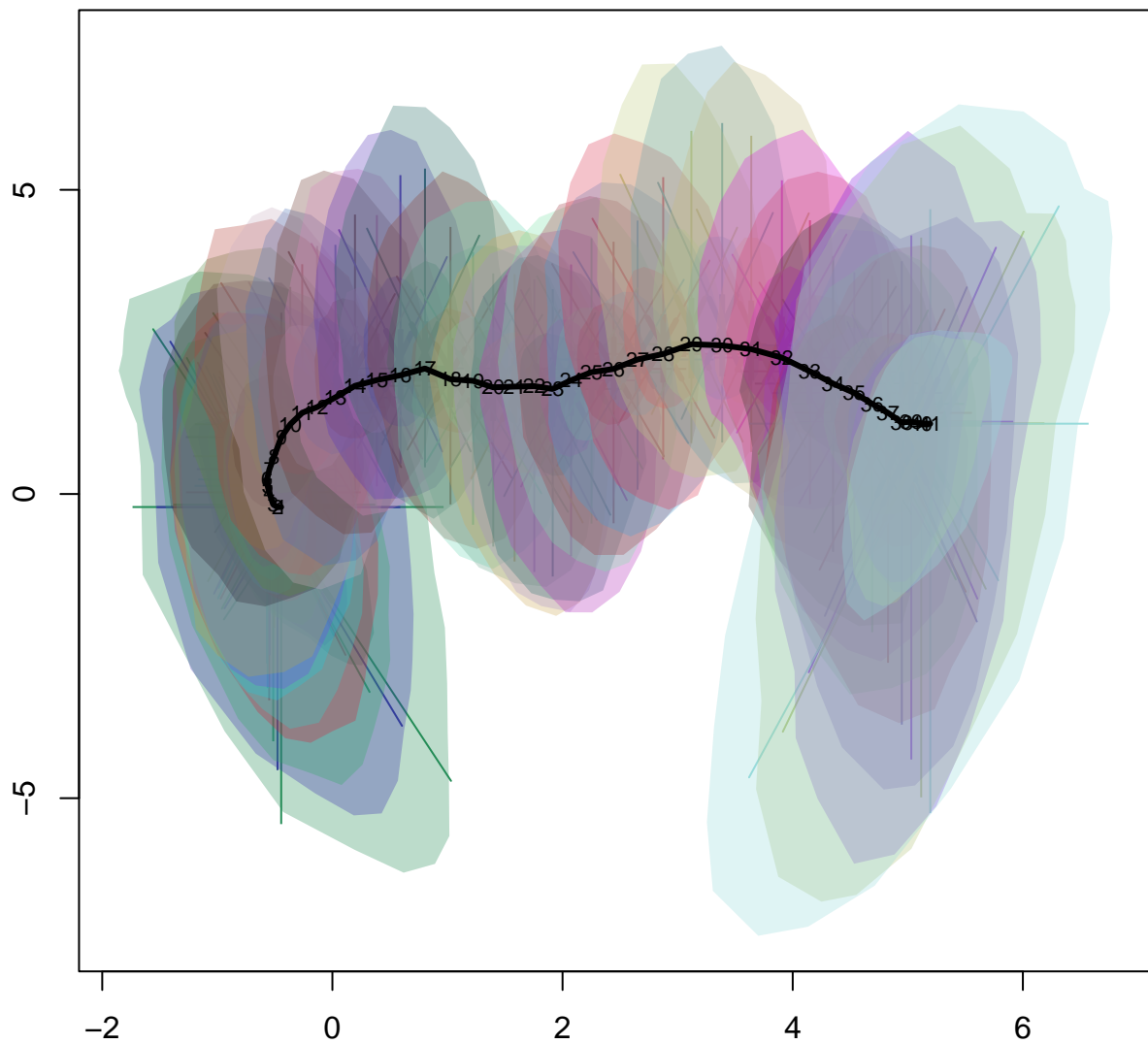


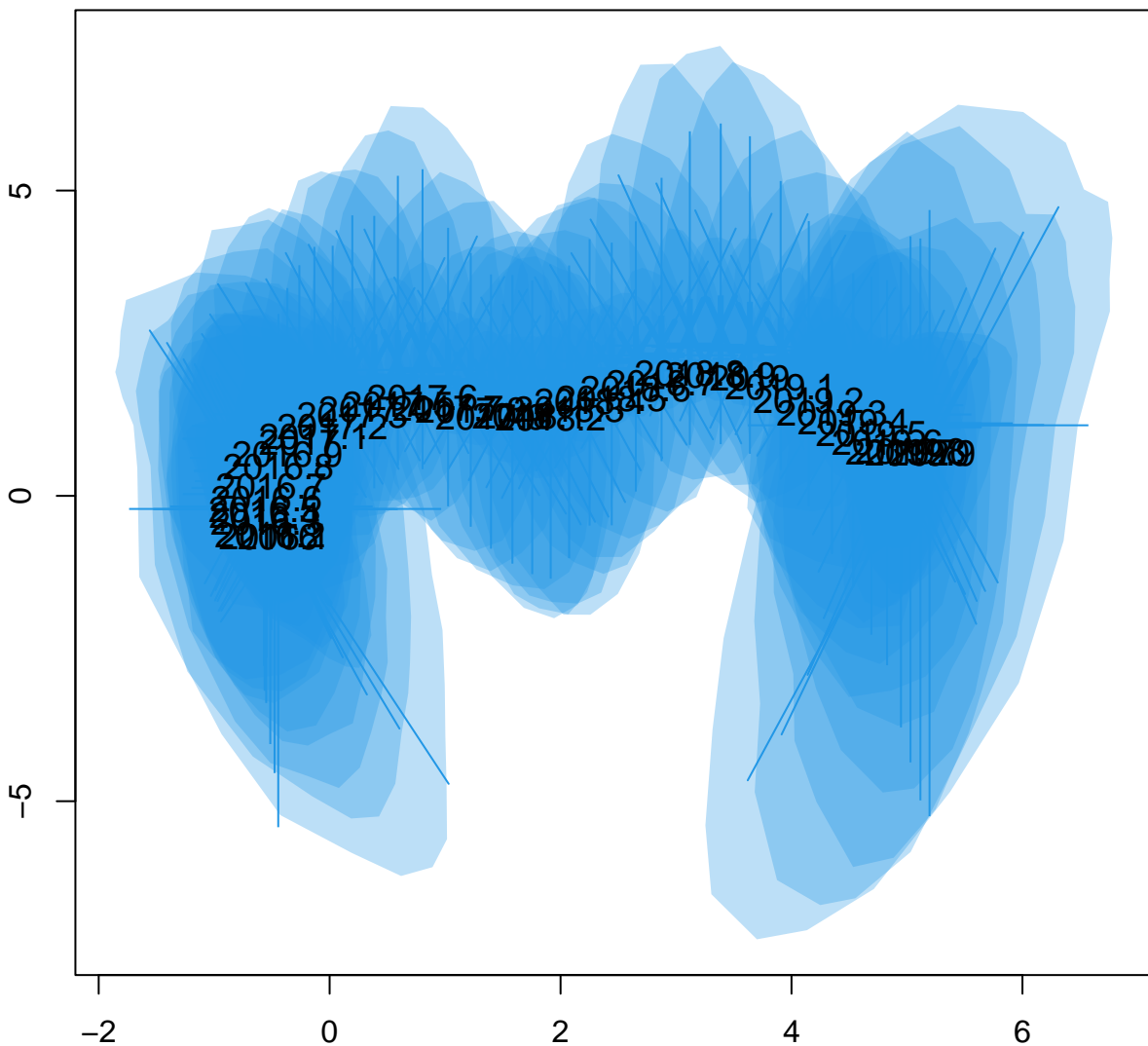


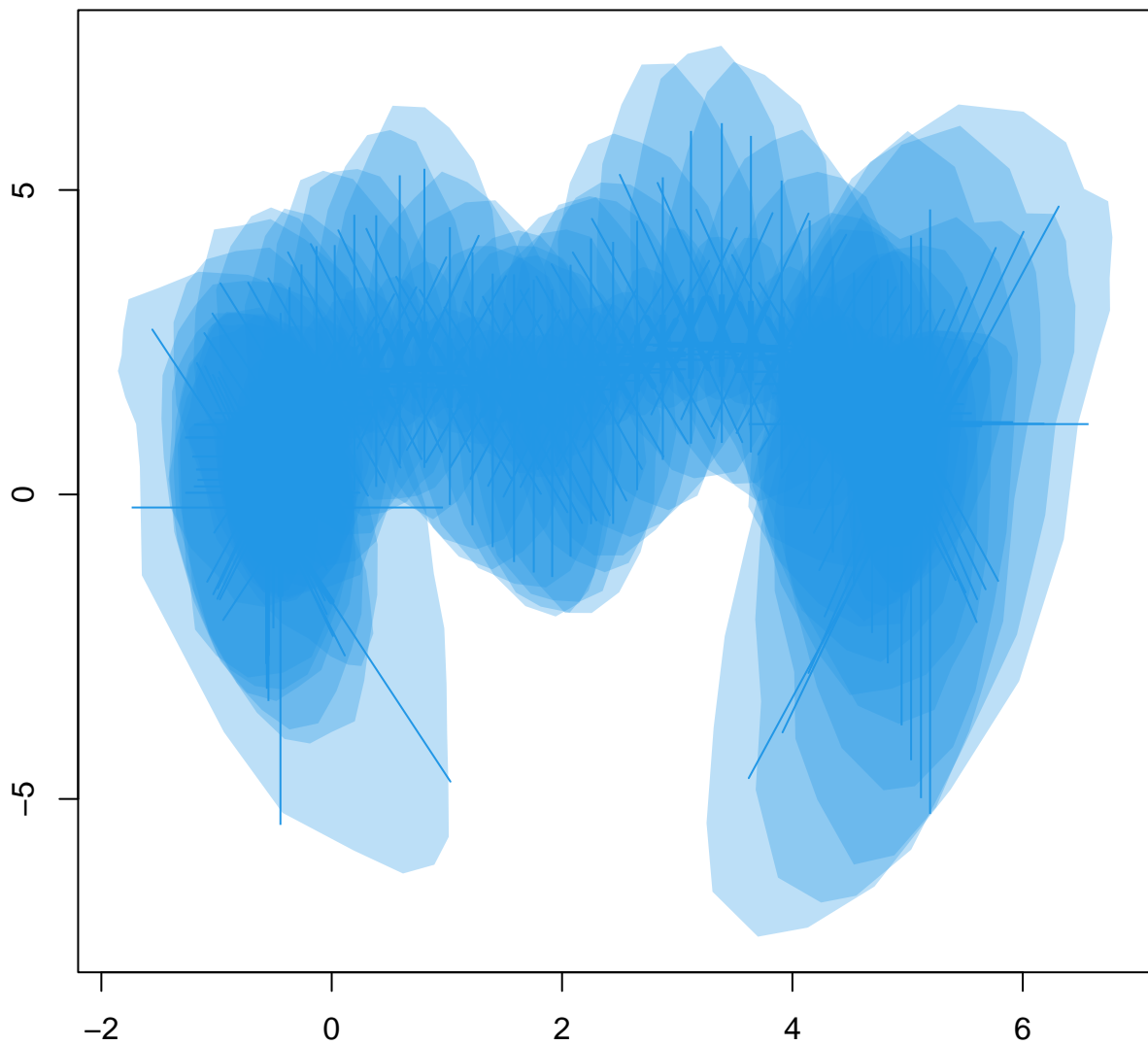


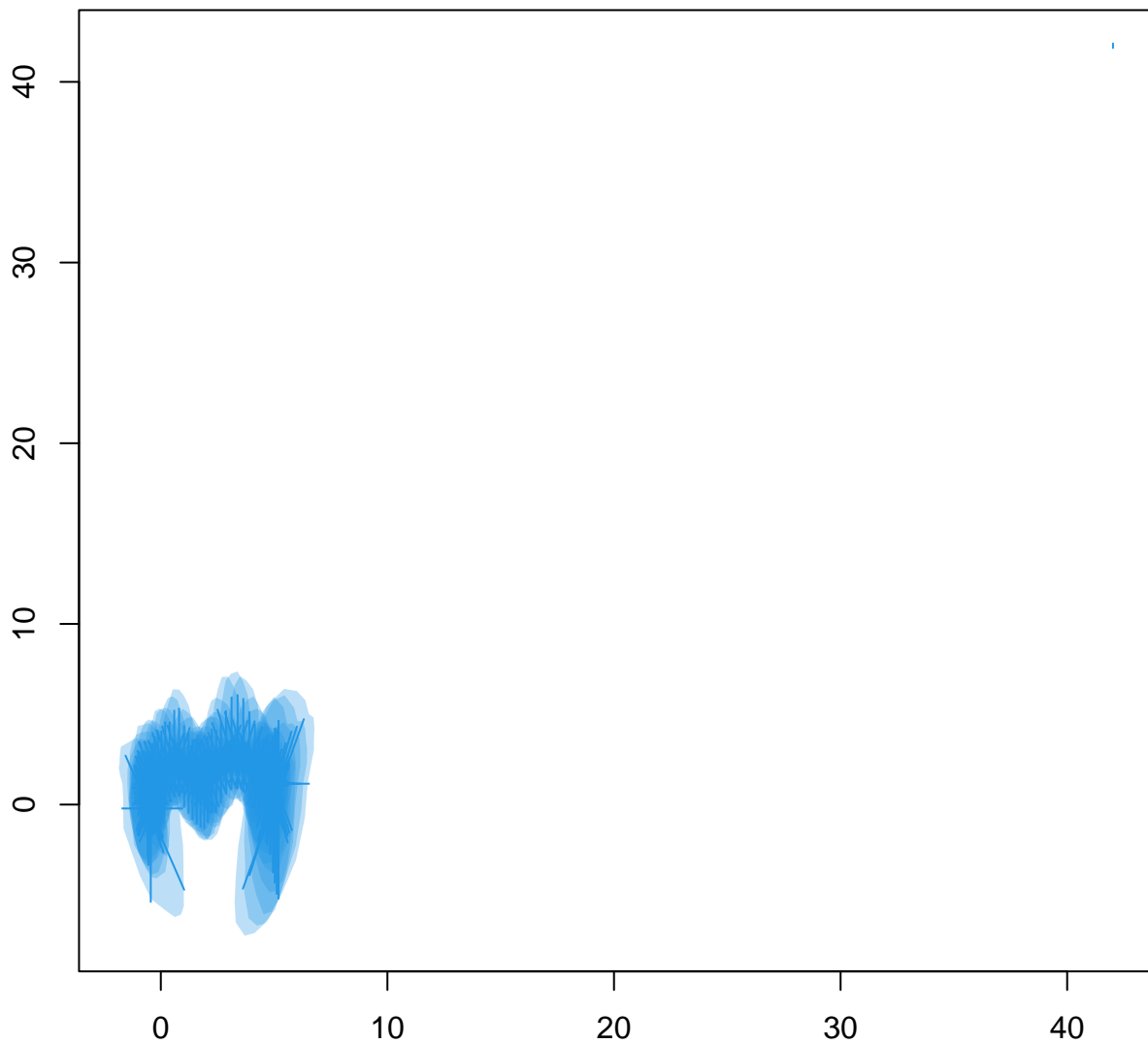


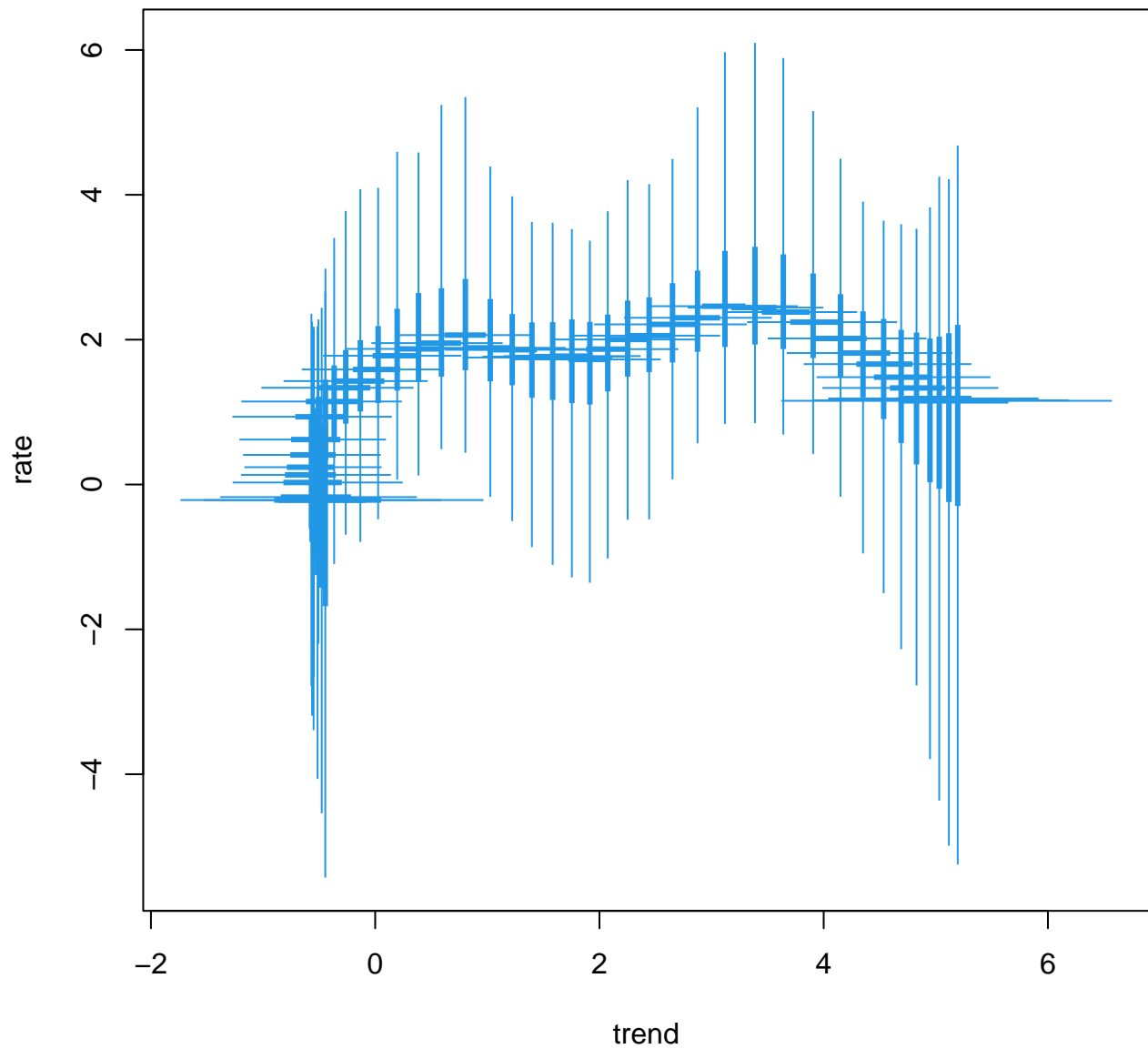


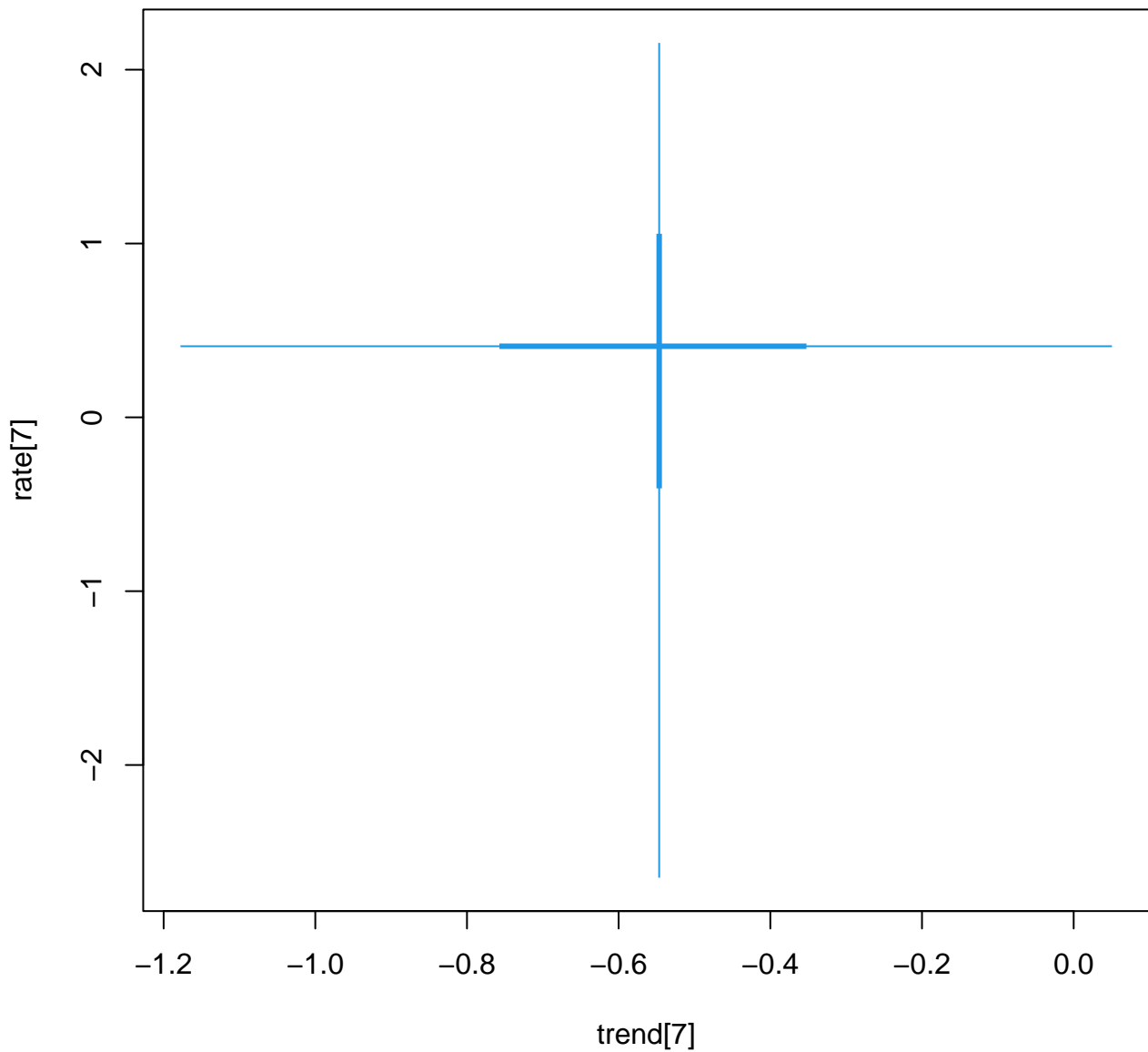


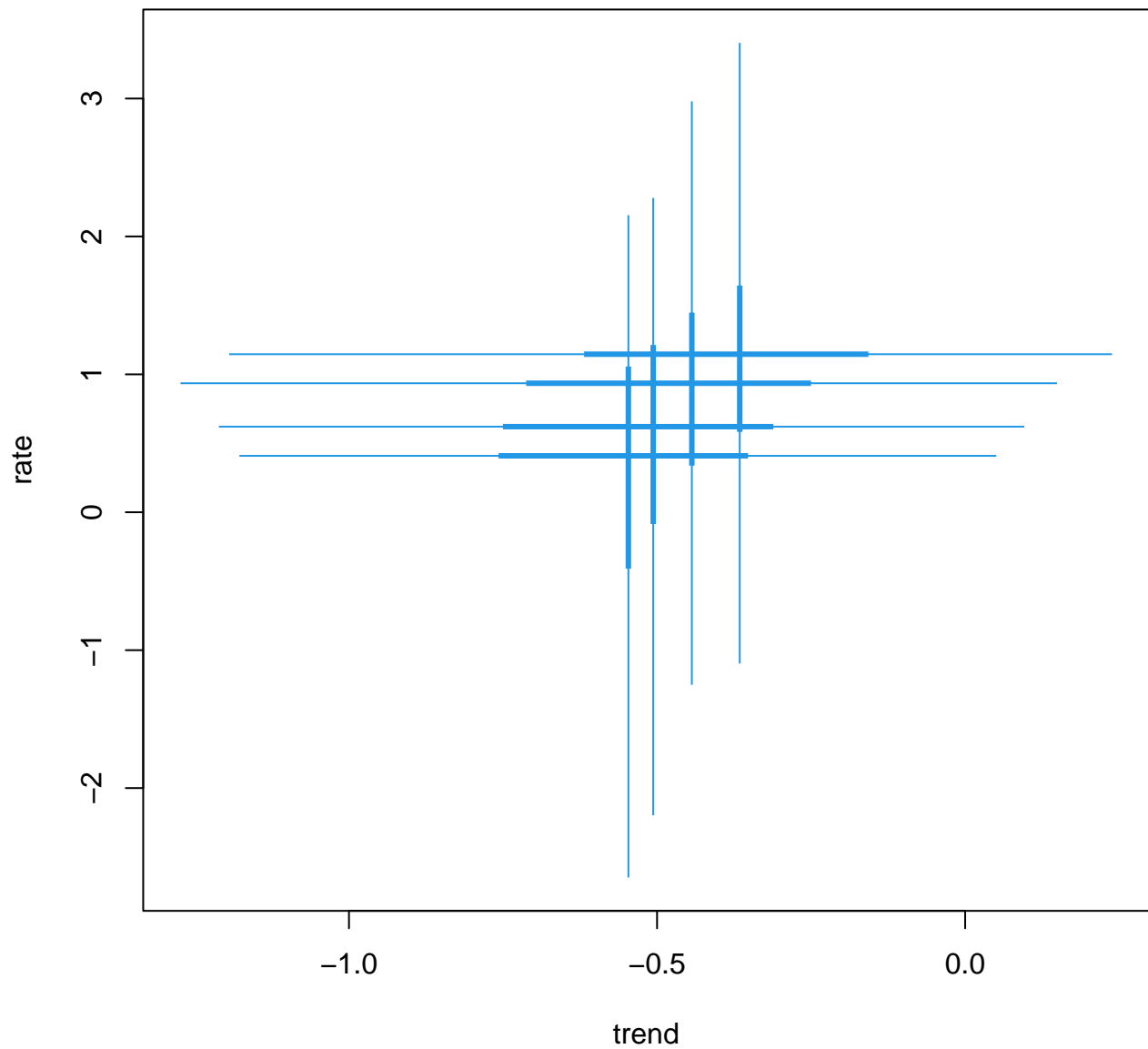


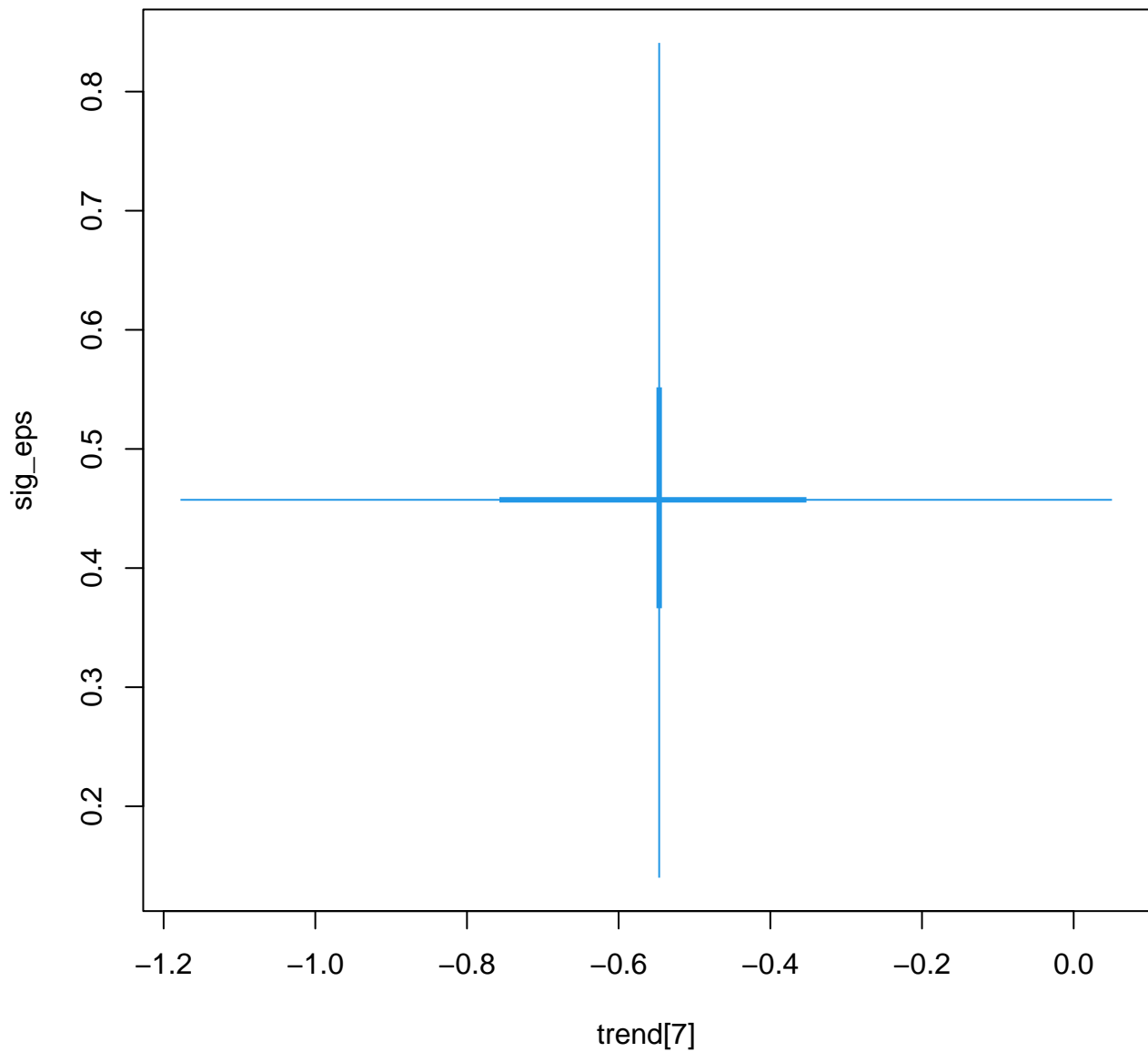


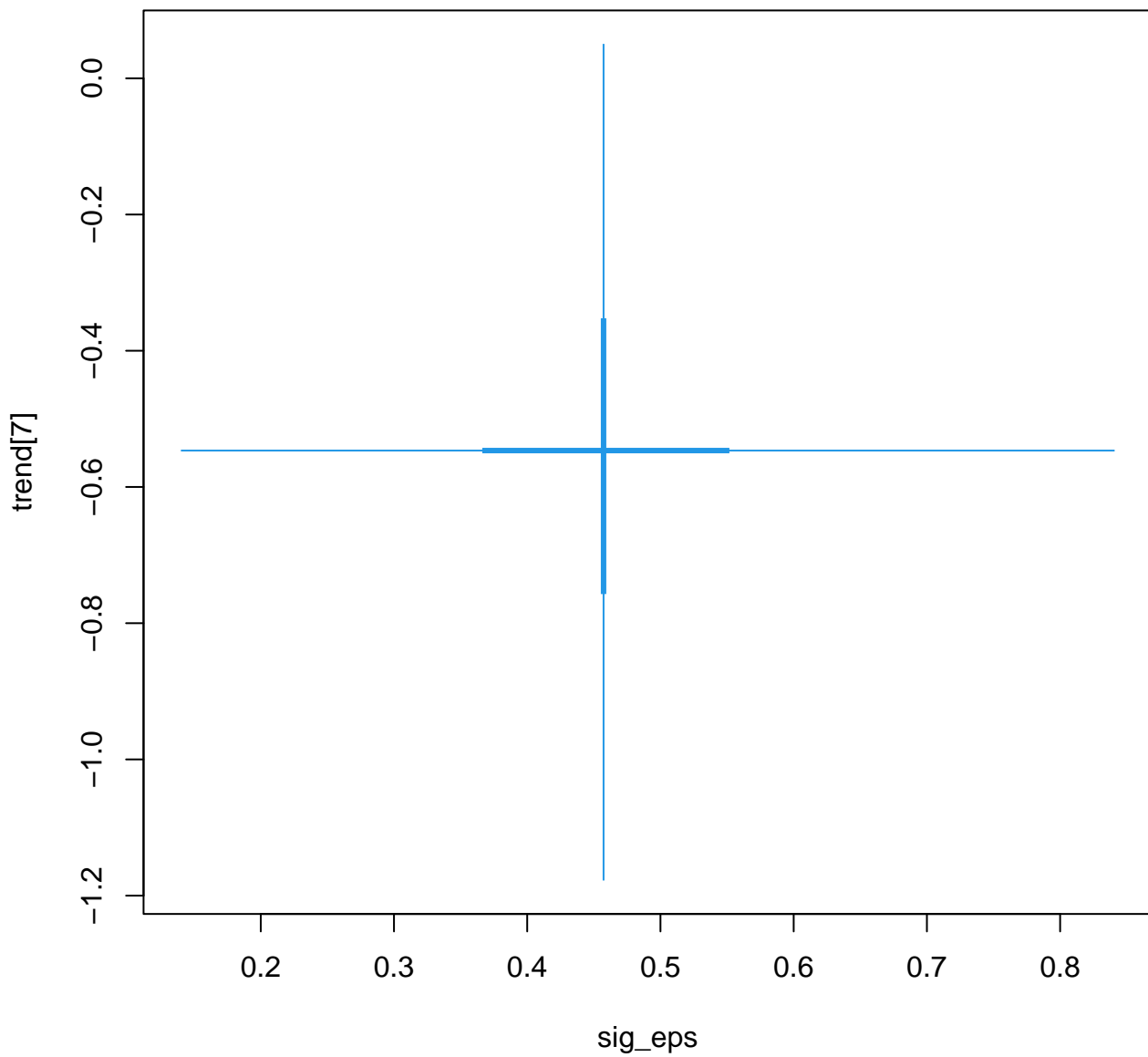


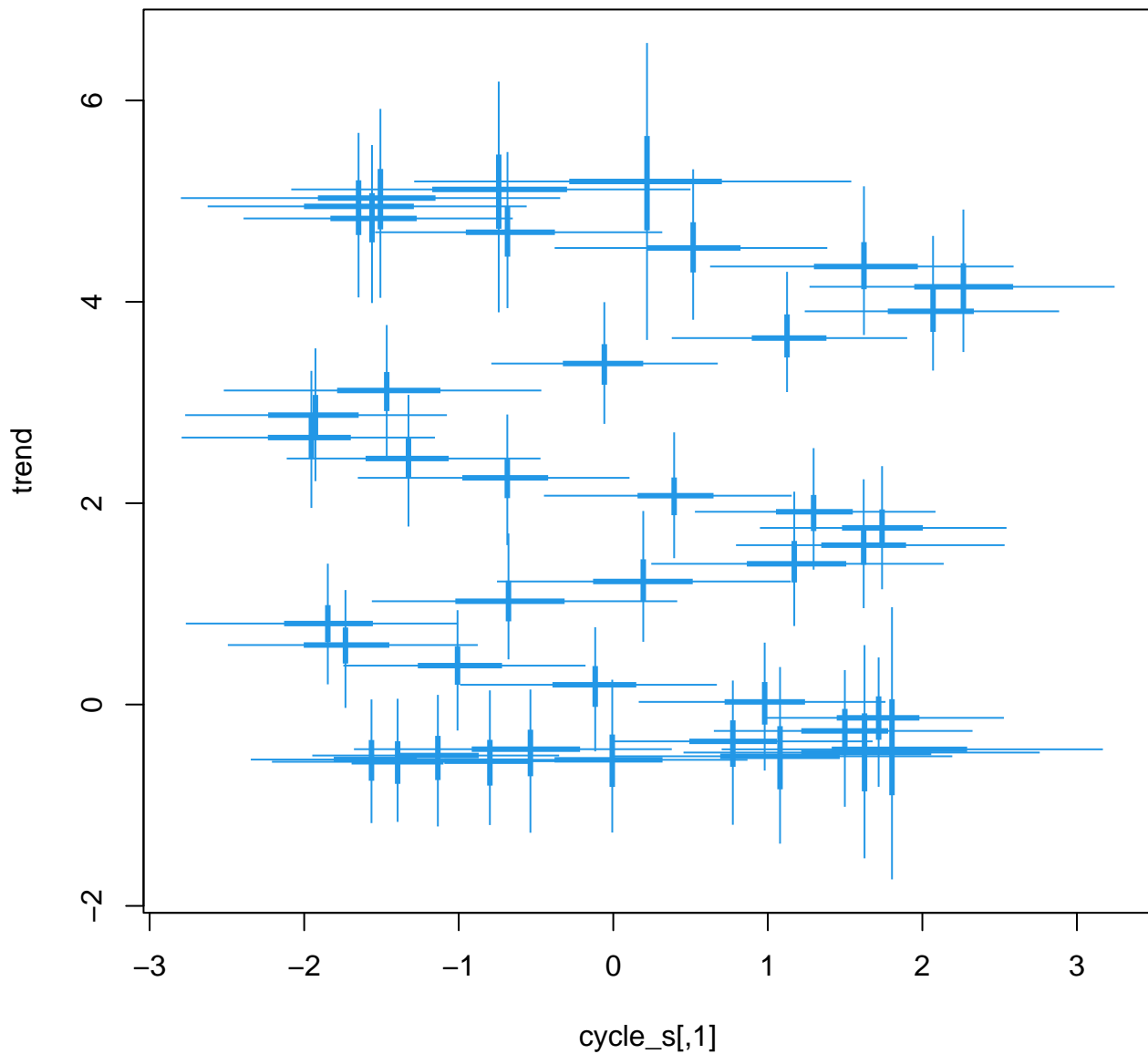


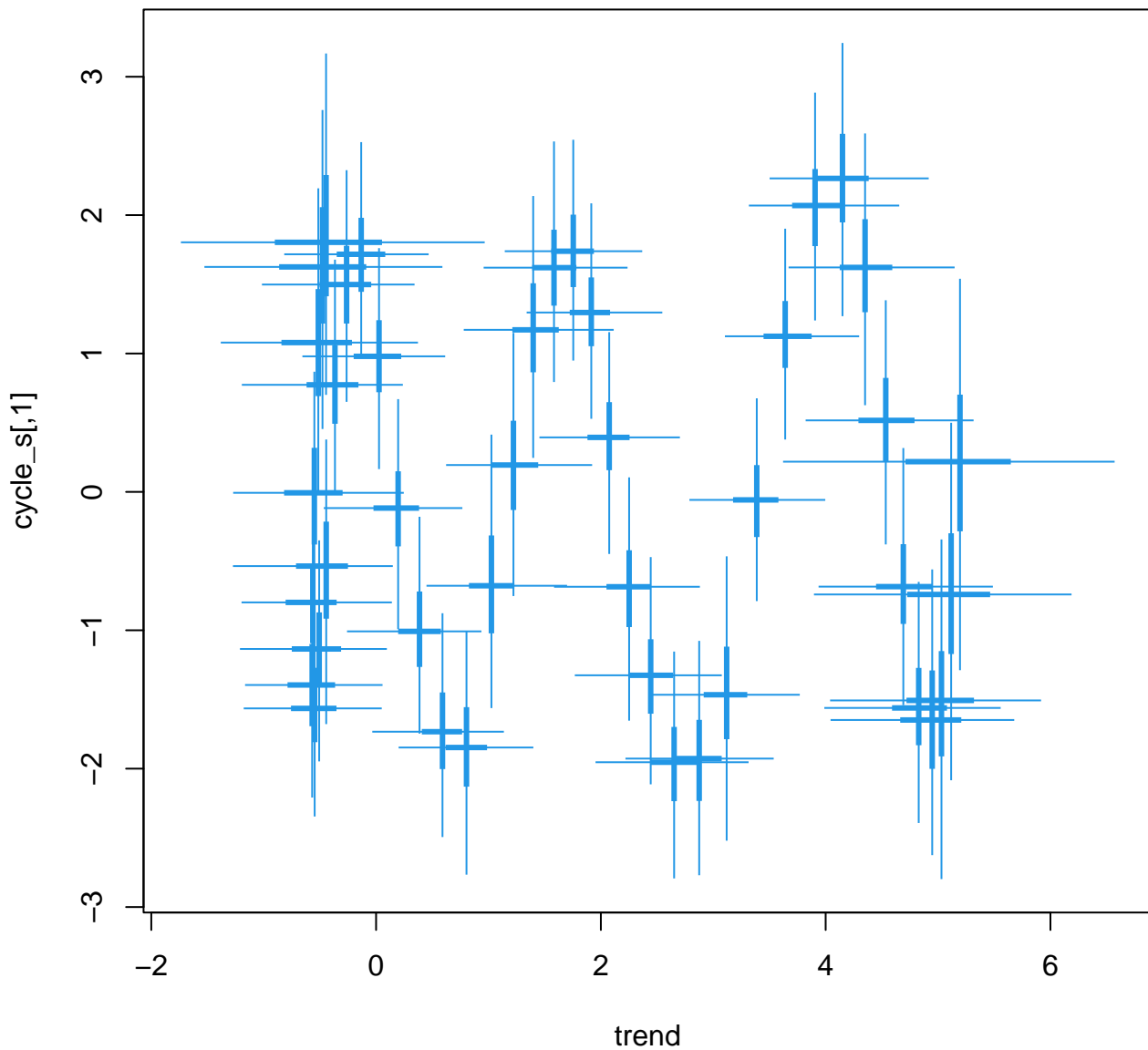




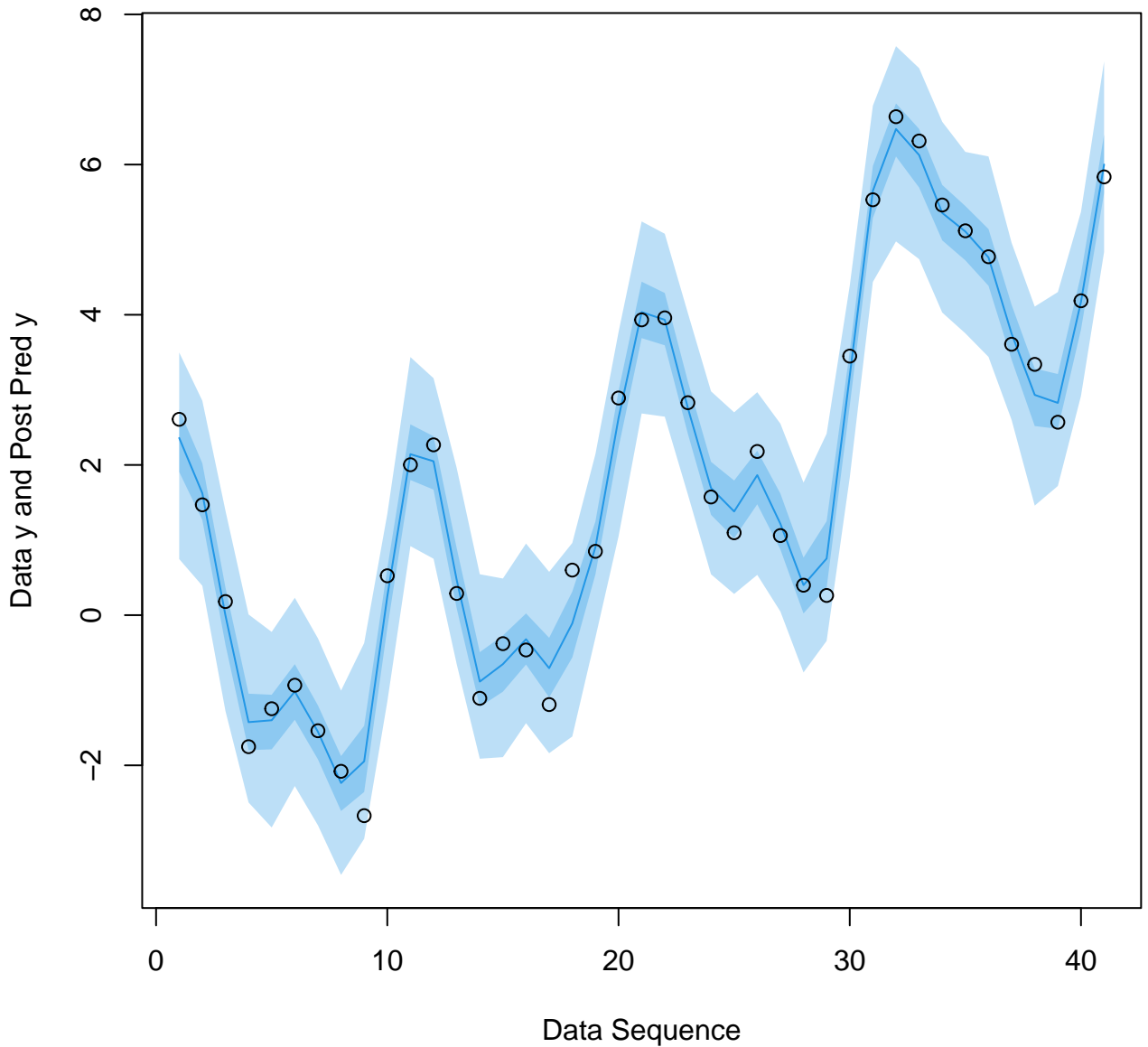




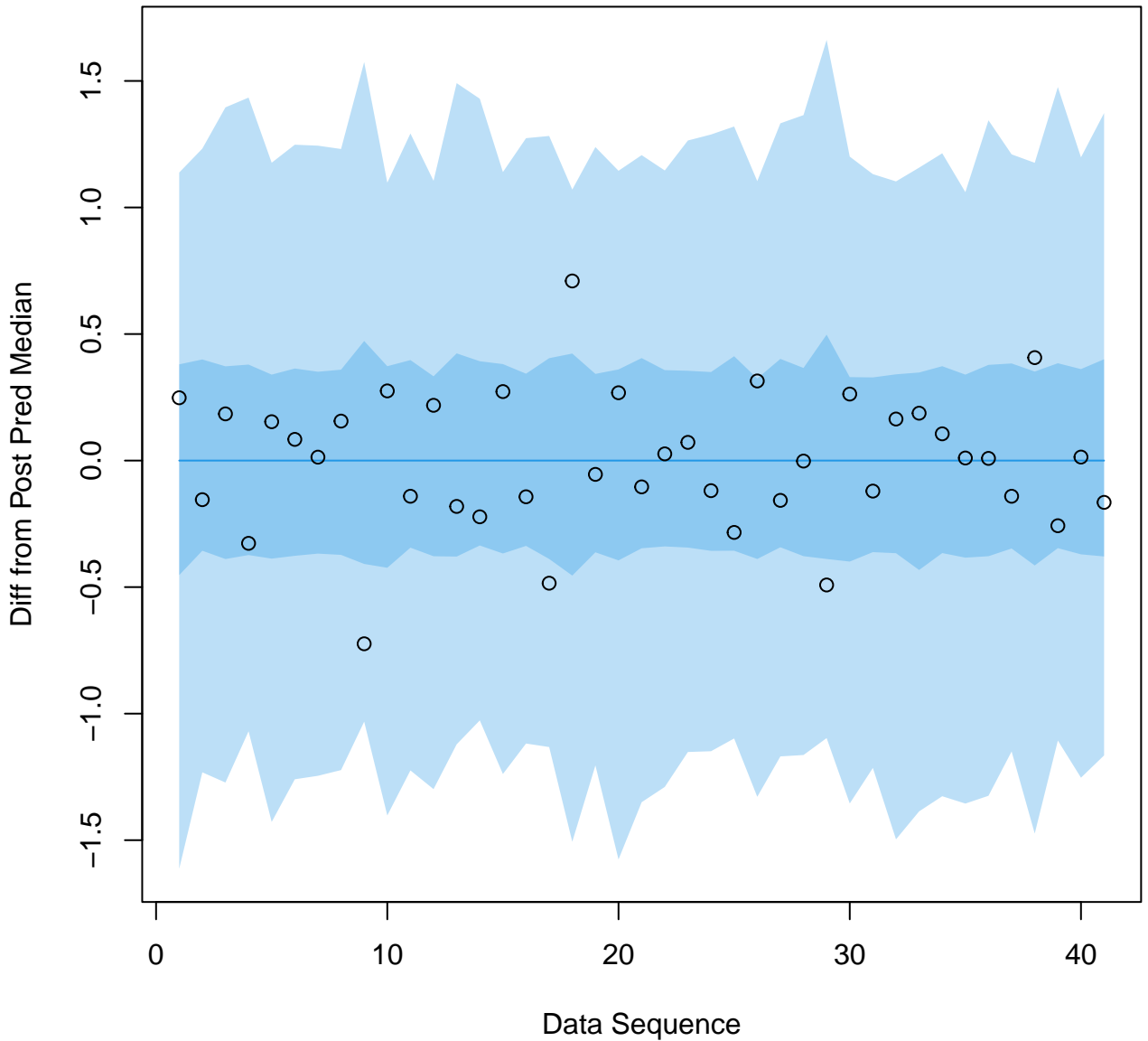


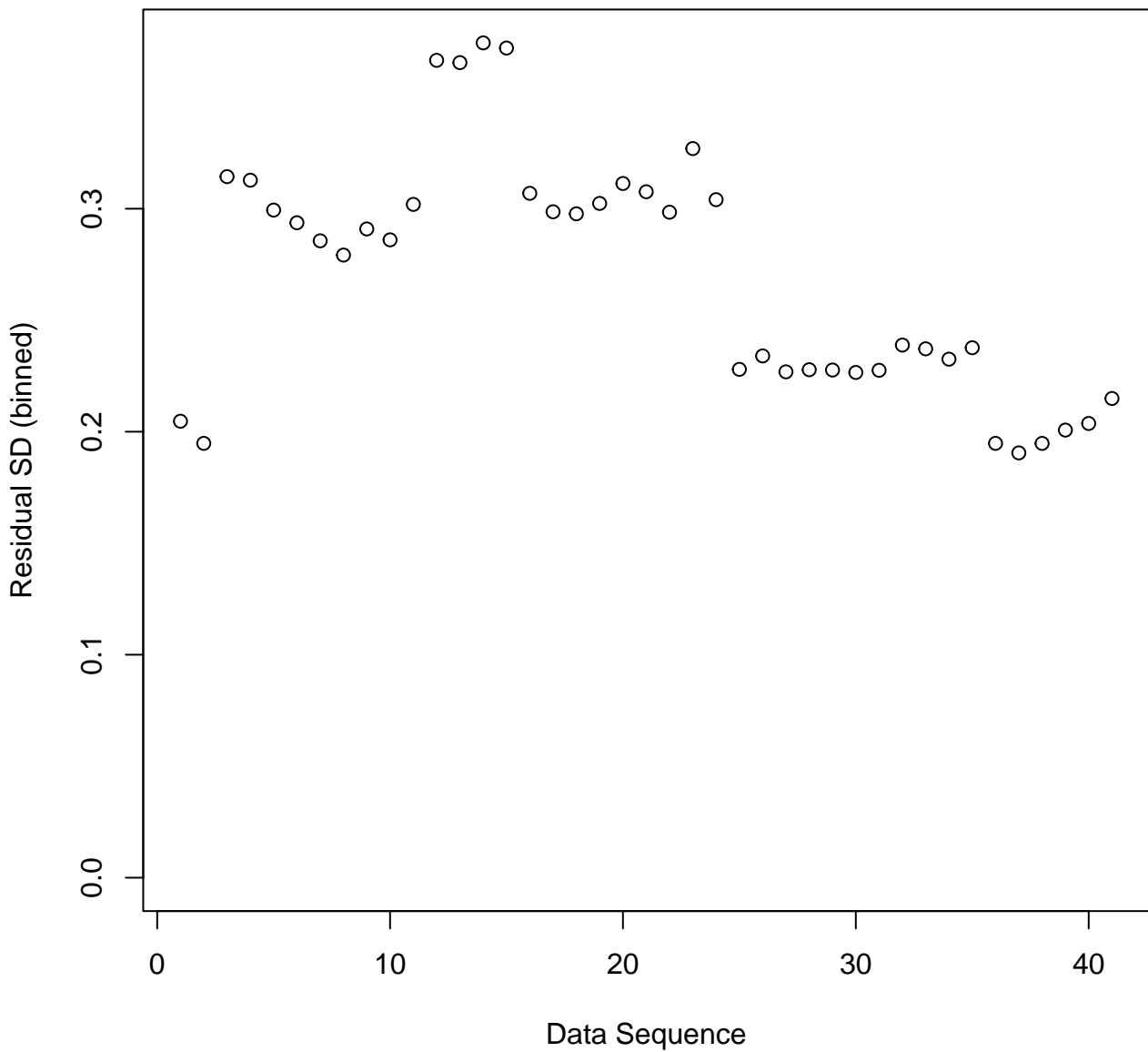


**Data y & Post Pred y
vs. Data Sequence**

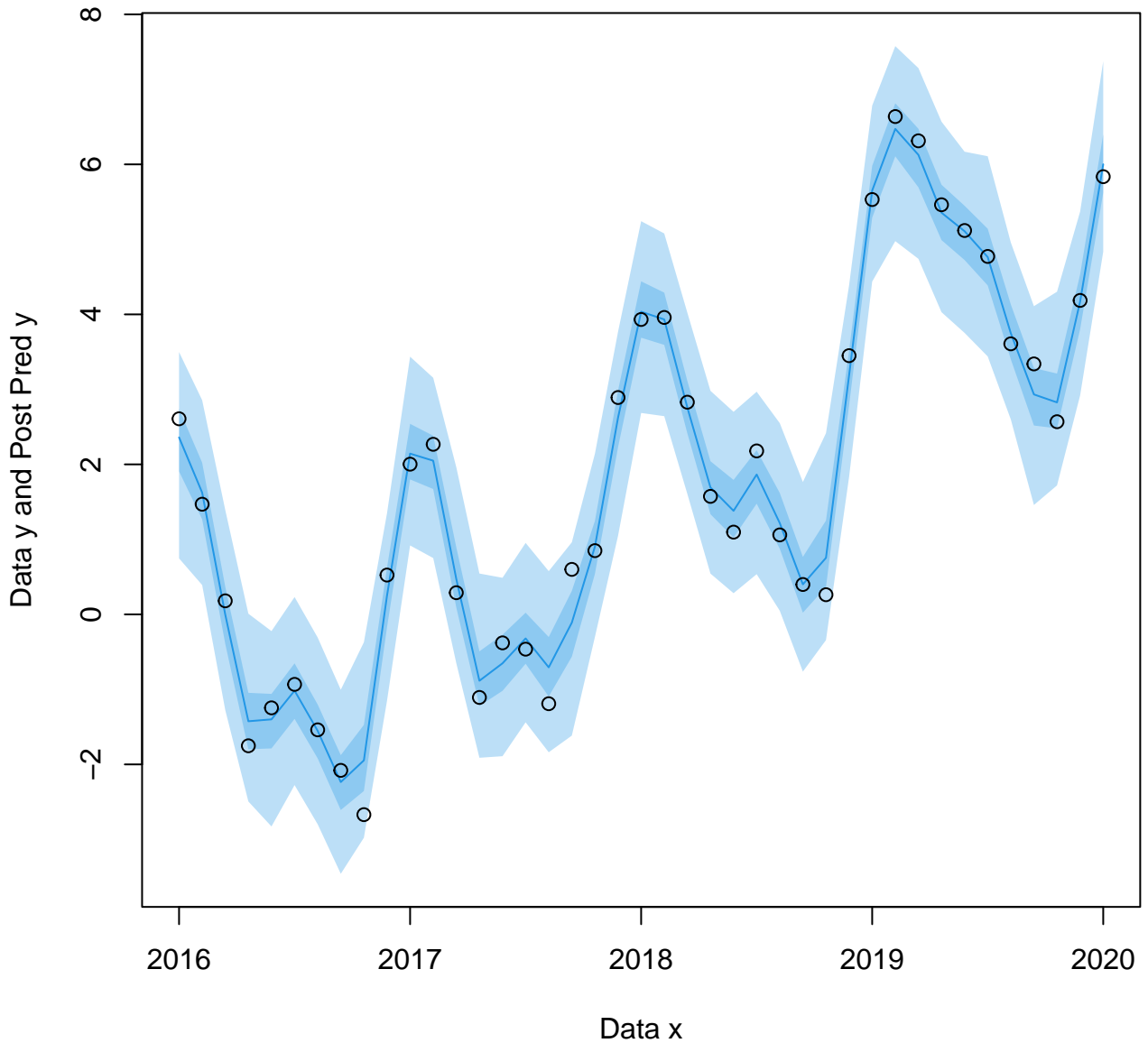


Residuals & PP Residual vs. Data Sequence

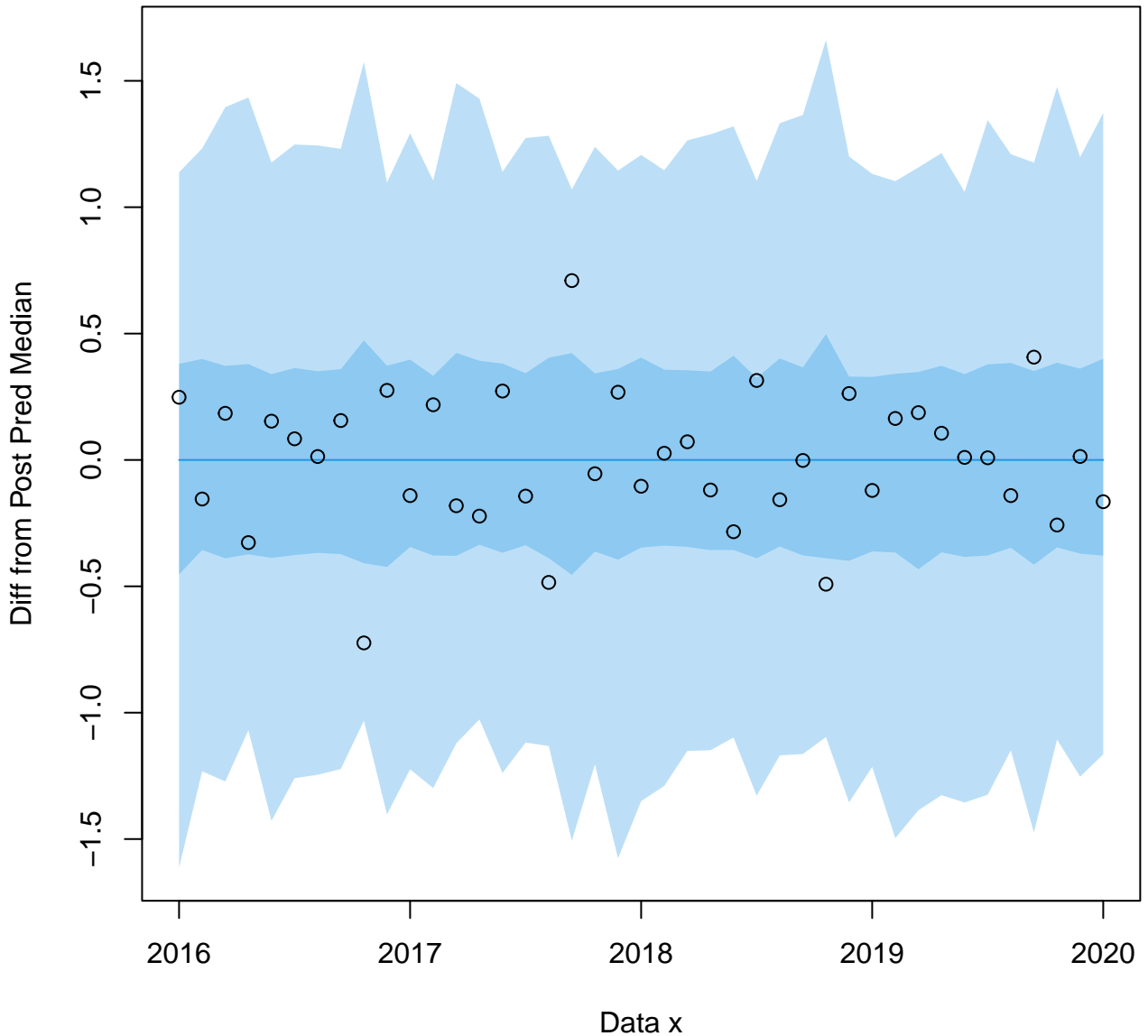


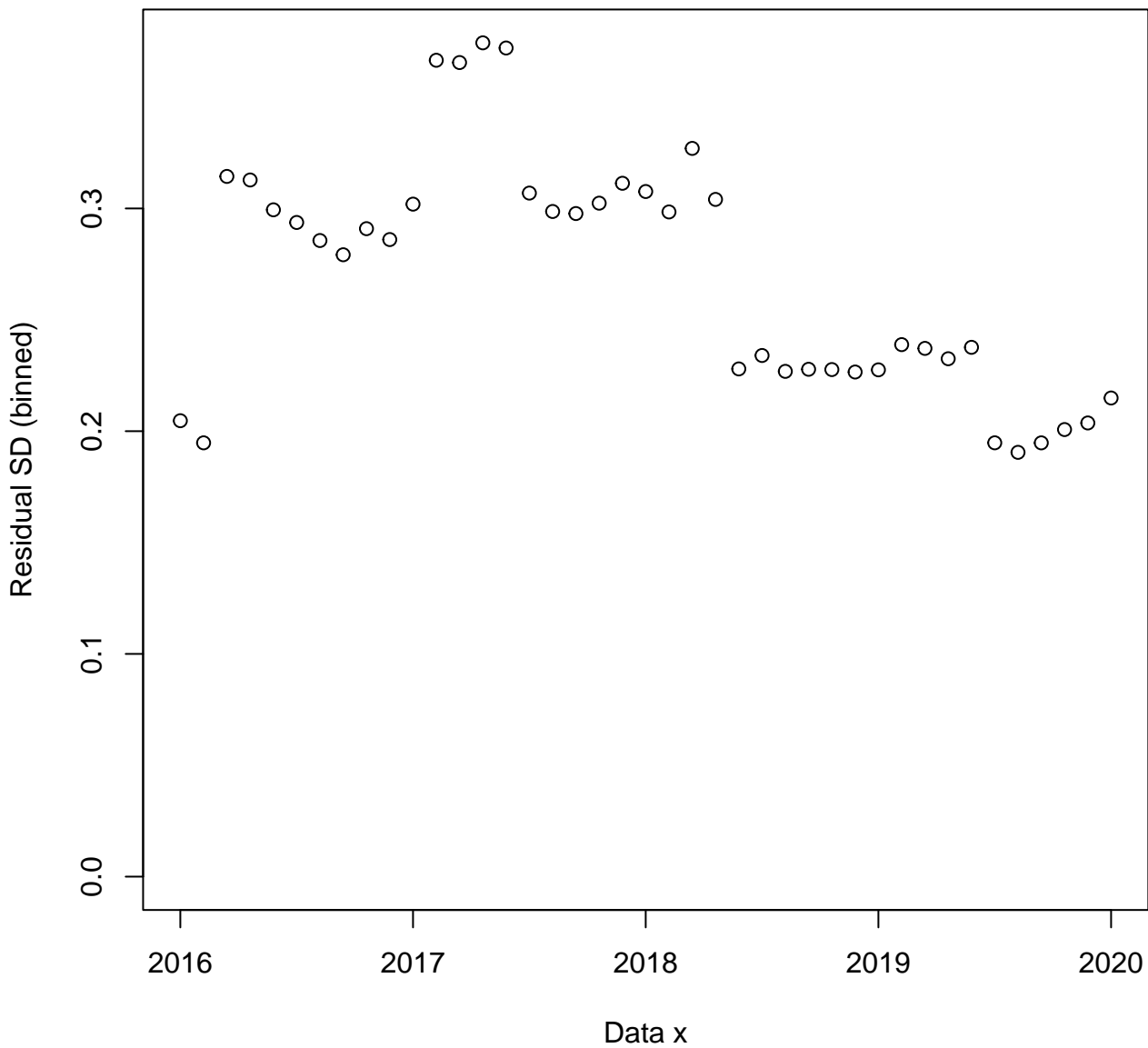


**Data y & Post Pred y
vs. Data x**

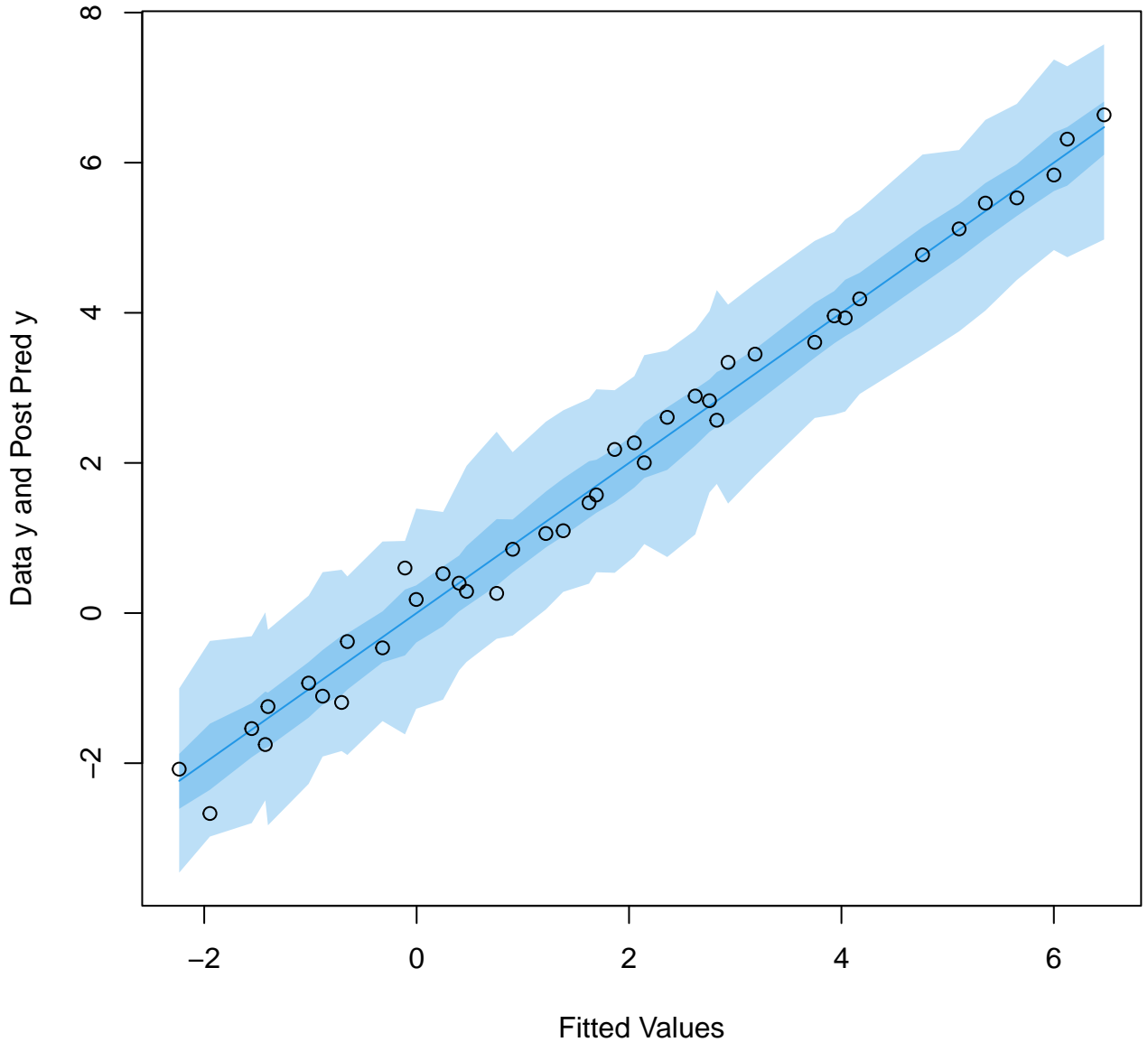


Residuals & PP Residual vs. Data x

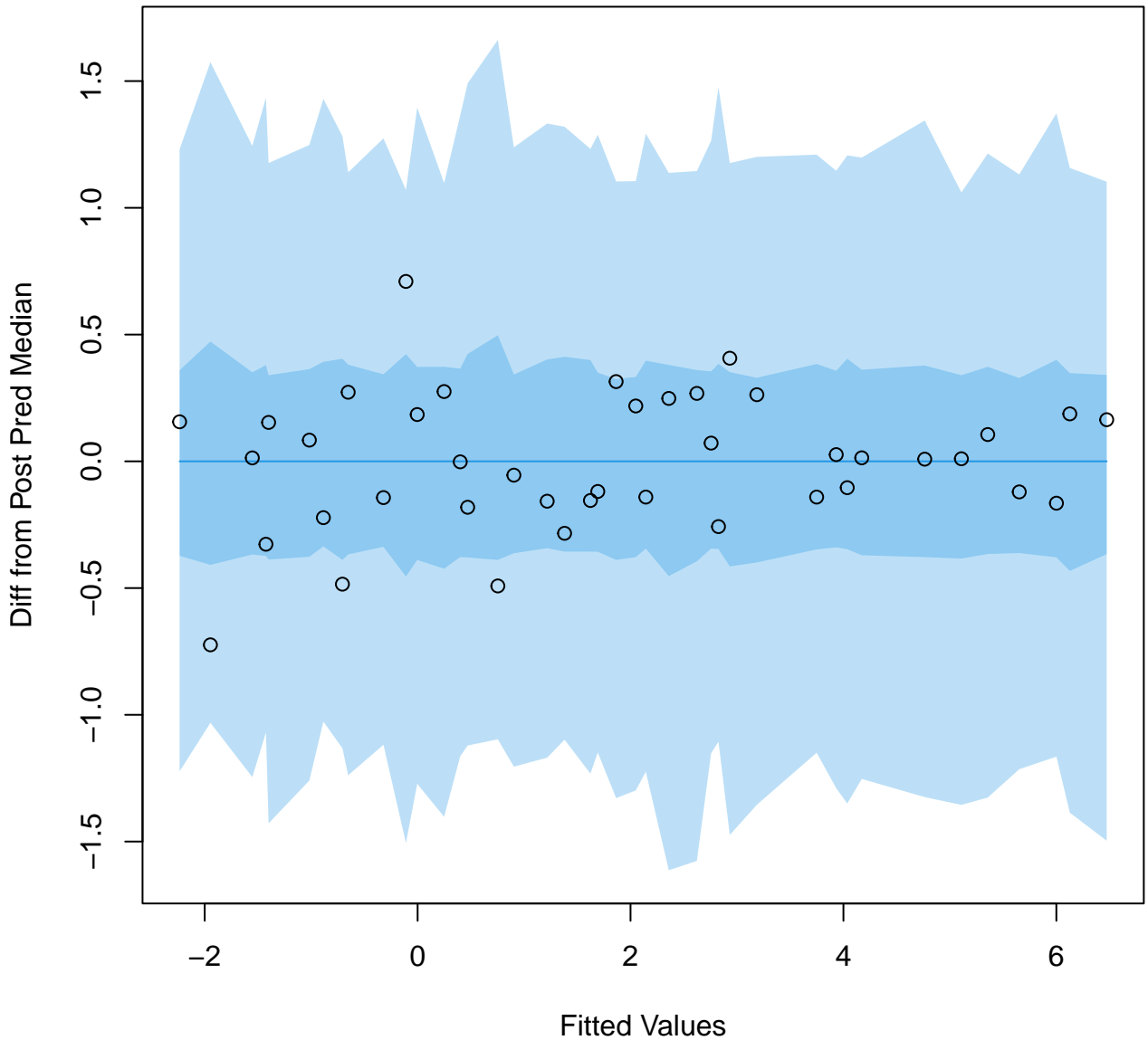


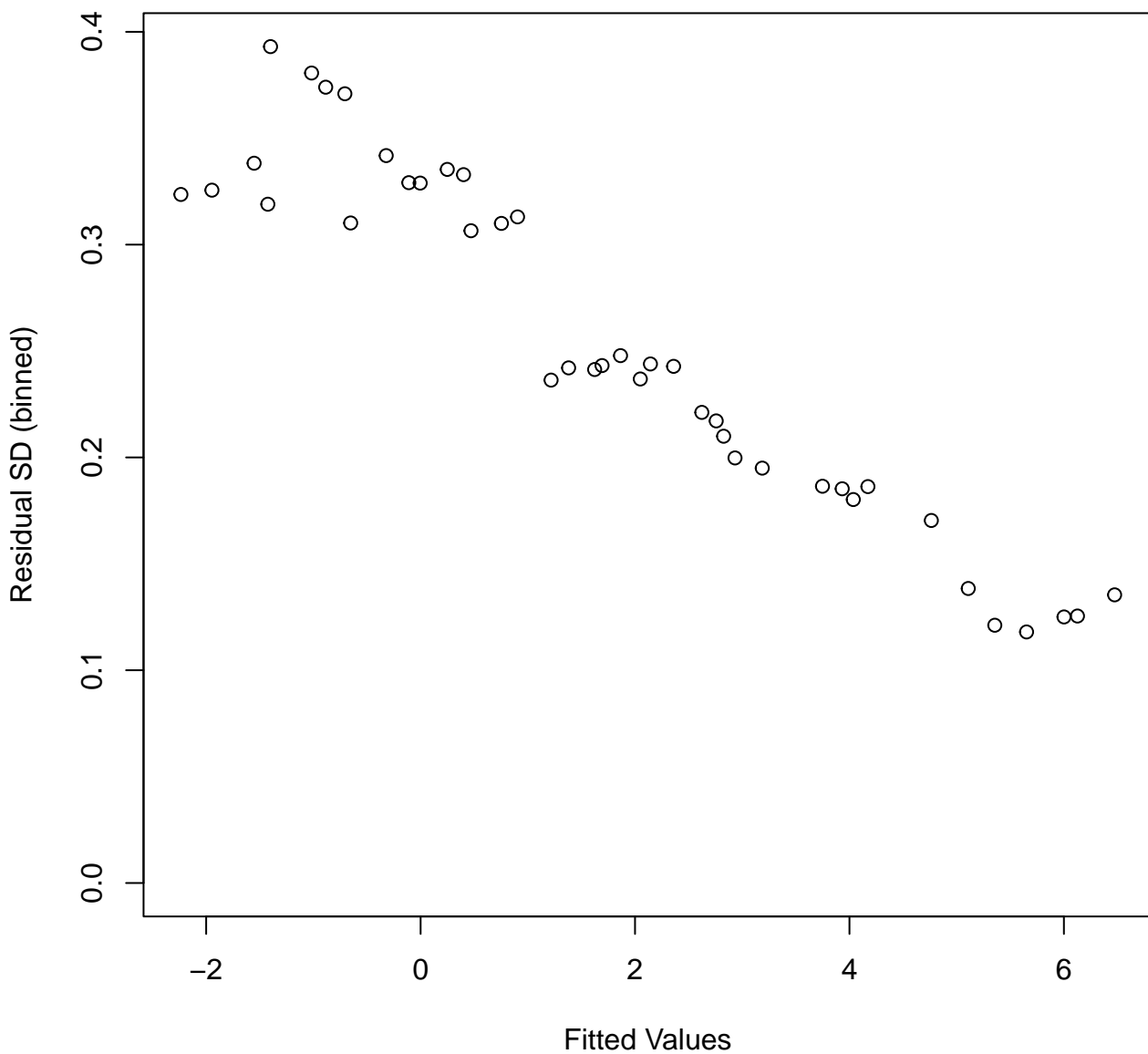


**Data y & Post Pred y
vs. Fitted Values**

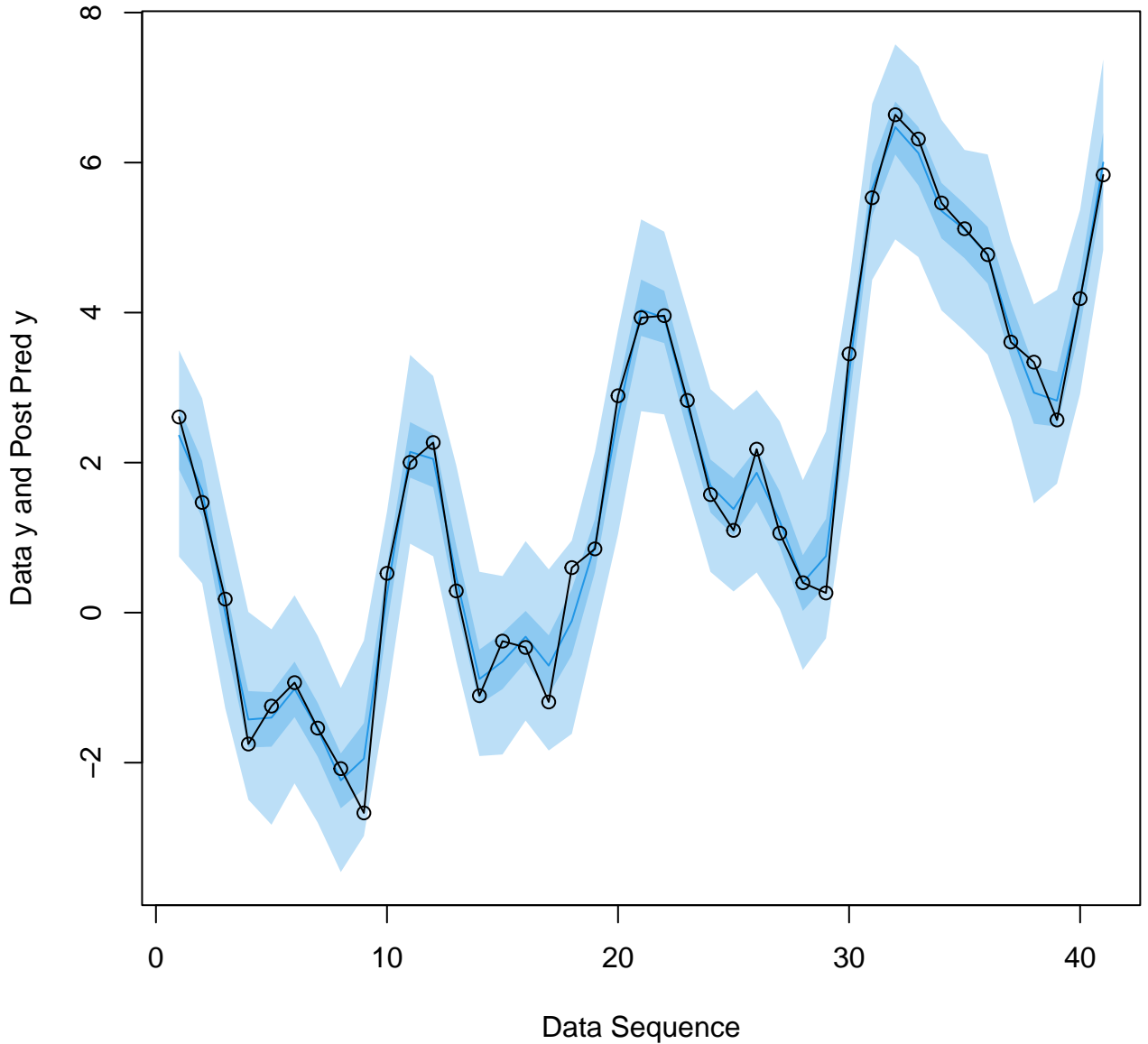


Residuals & PP Residual vs. Fitted Values

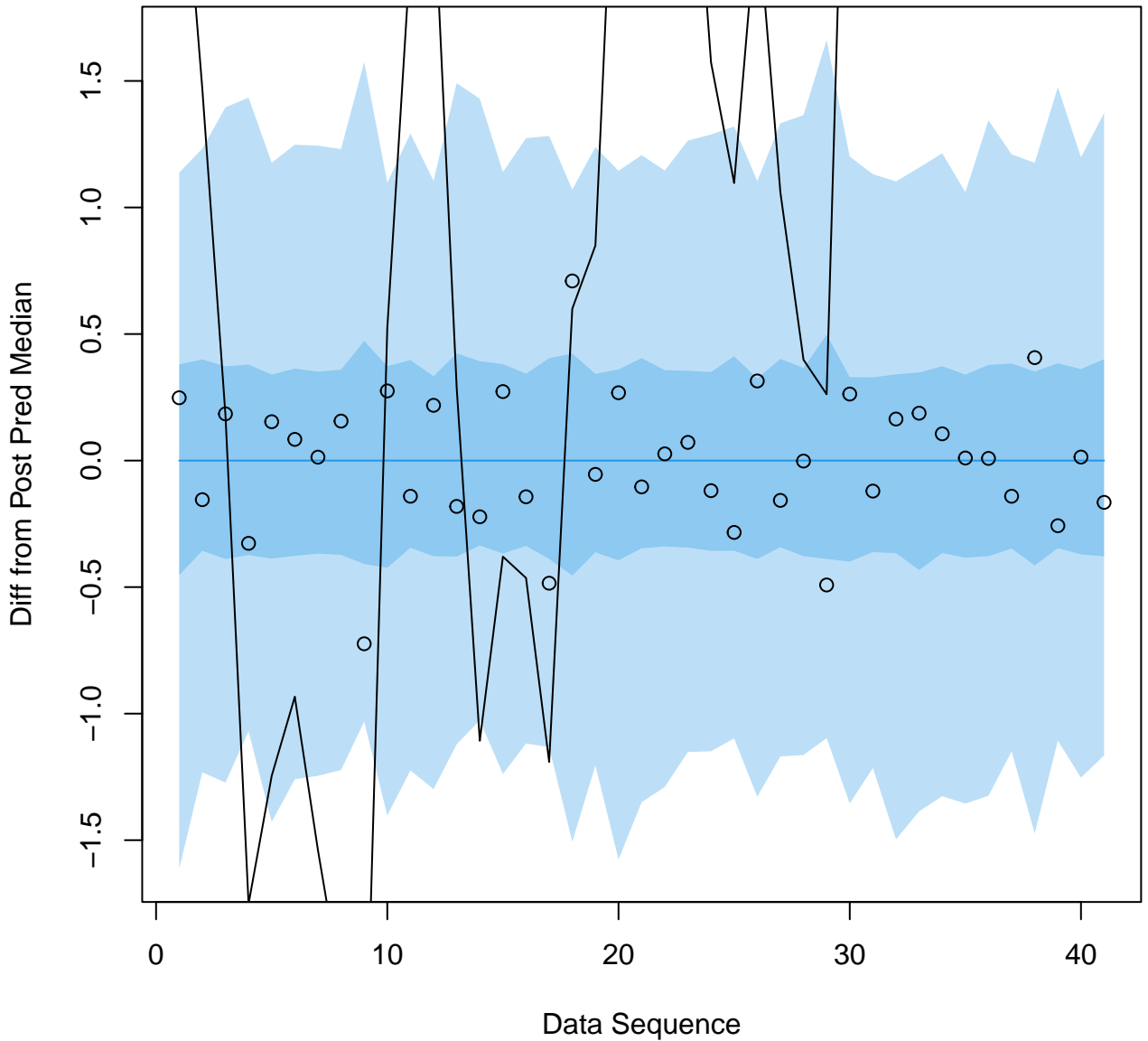


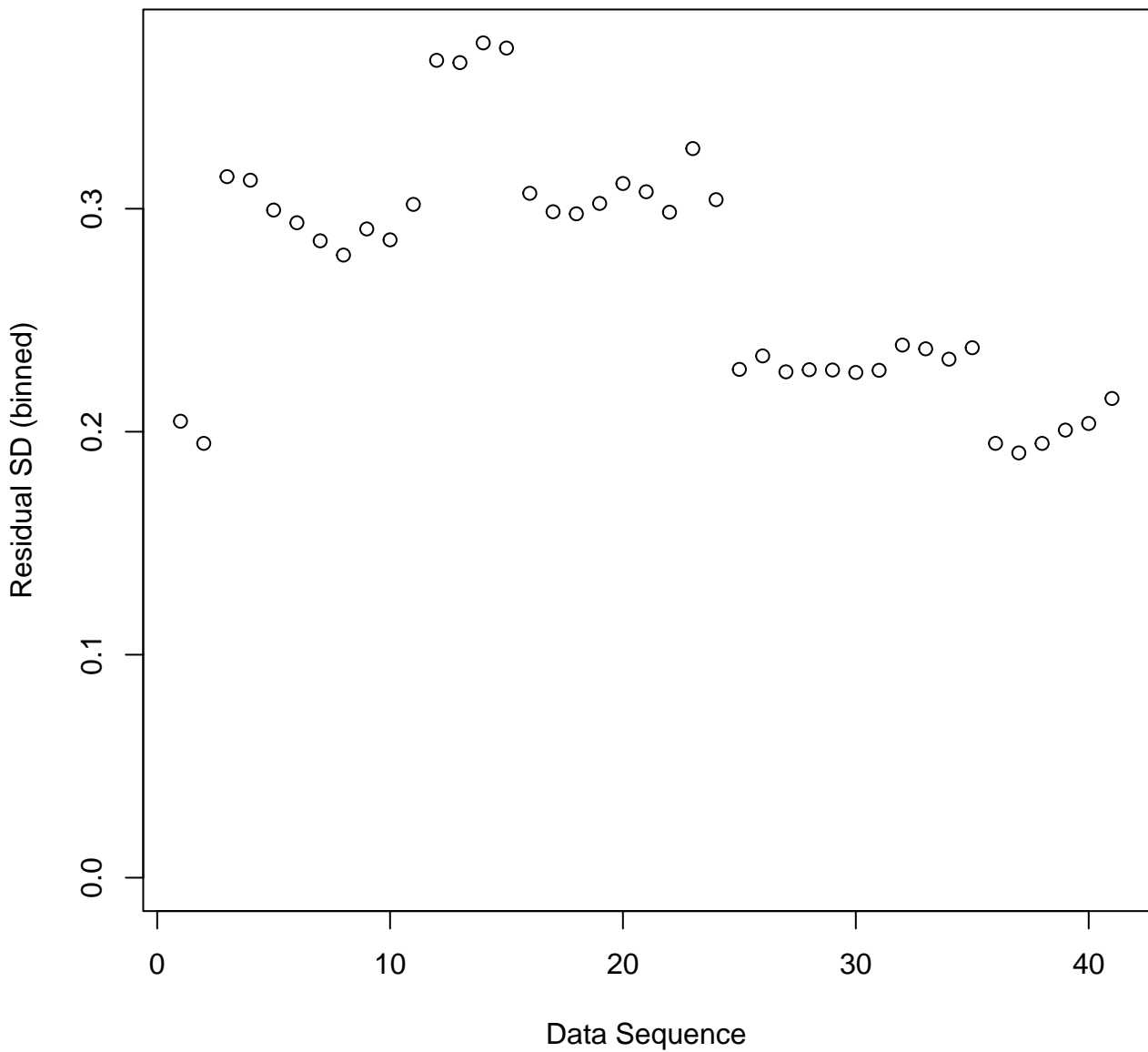


**Data y & Post Pred y
vs. Data Sequence**

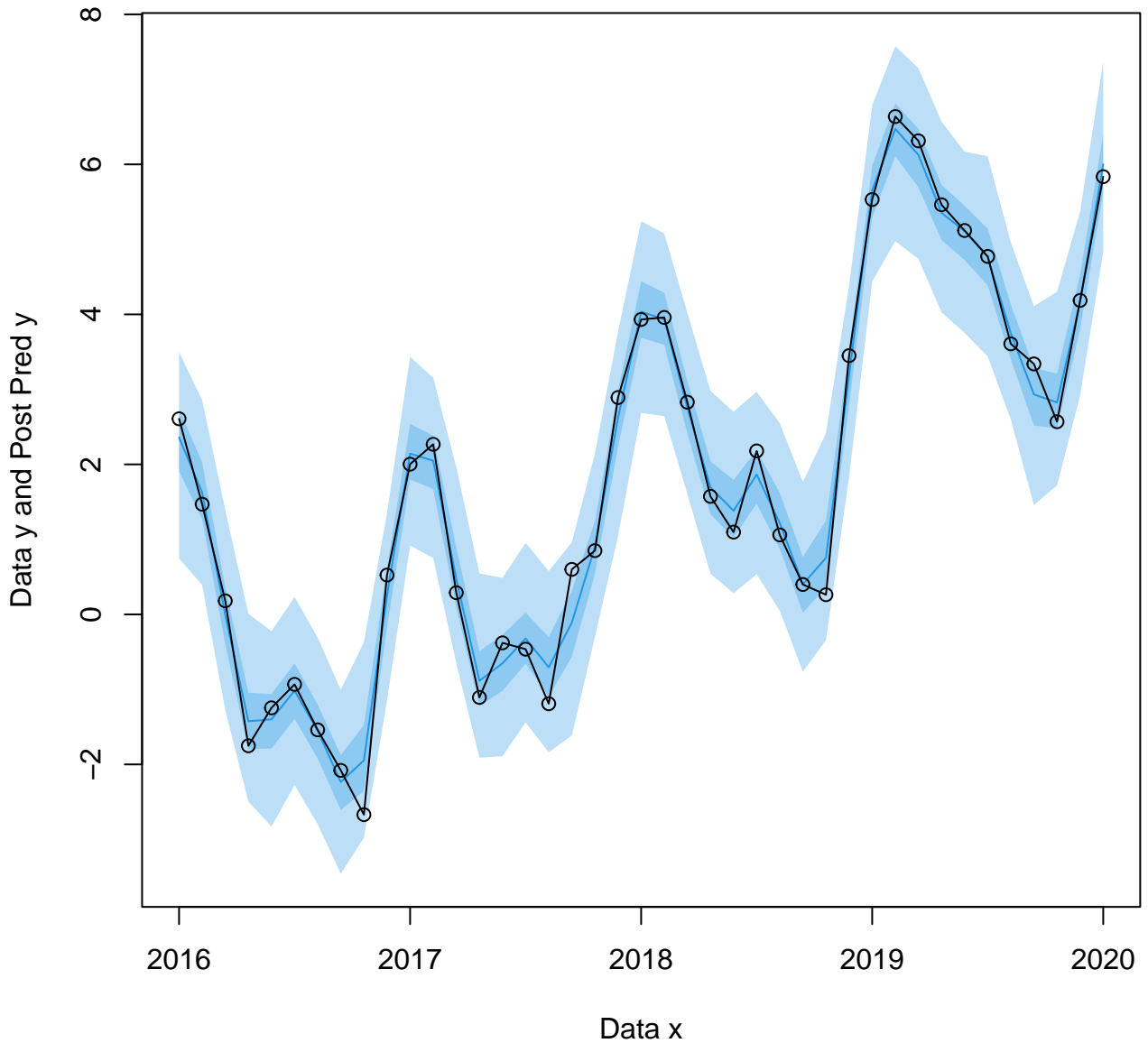


Residuals & PP Residual vs. Data Sequence

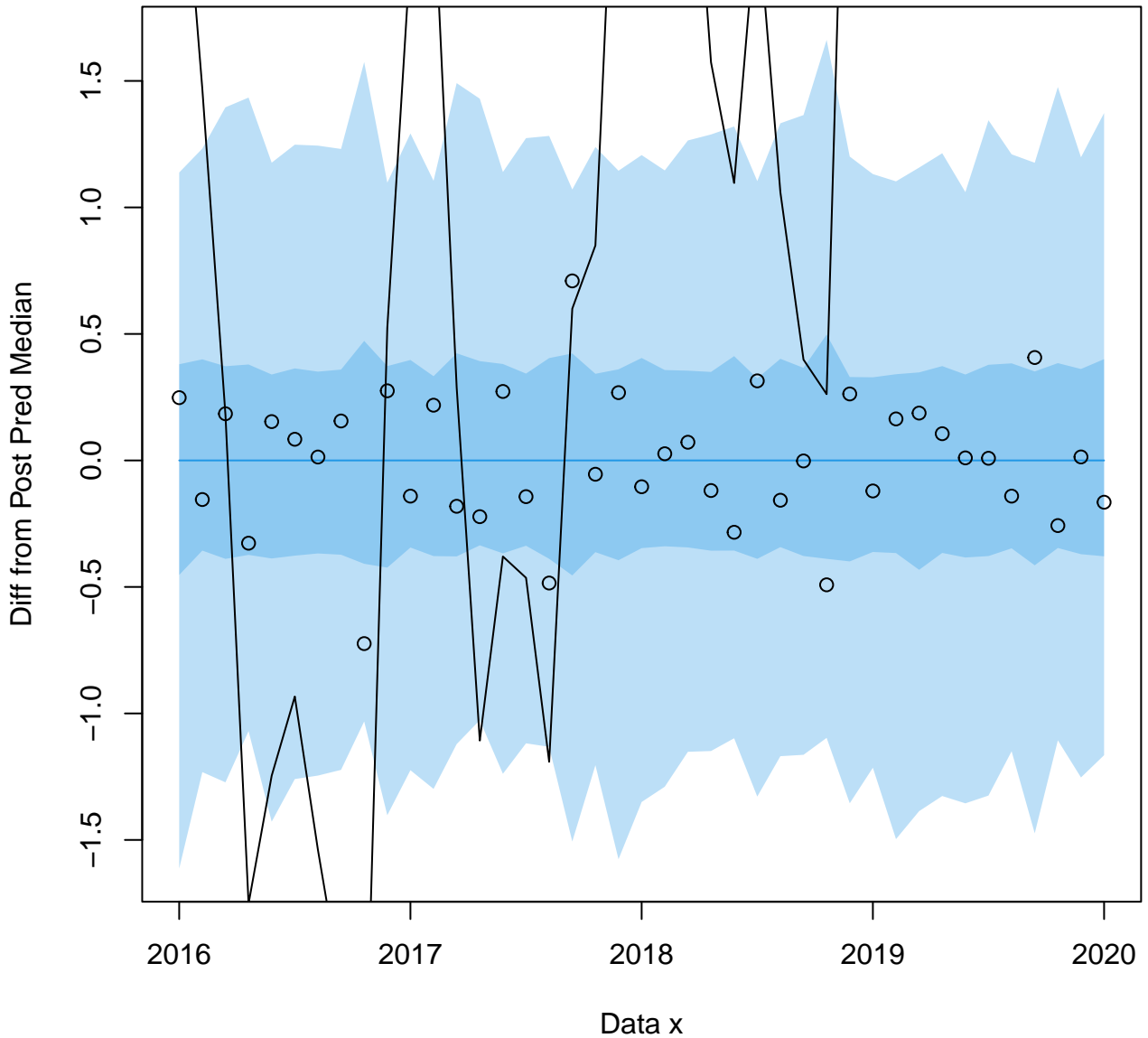


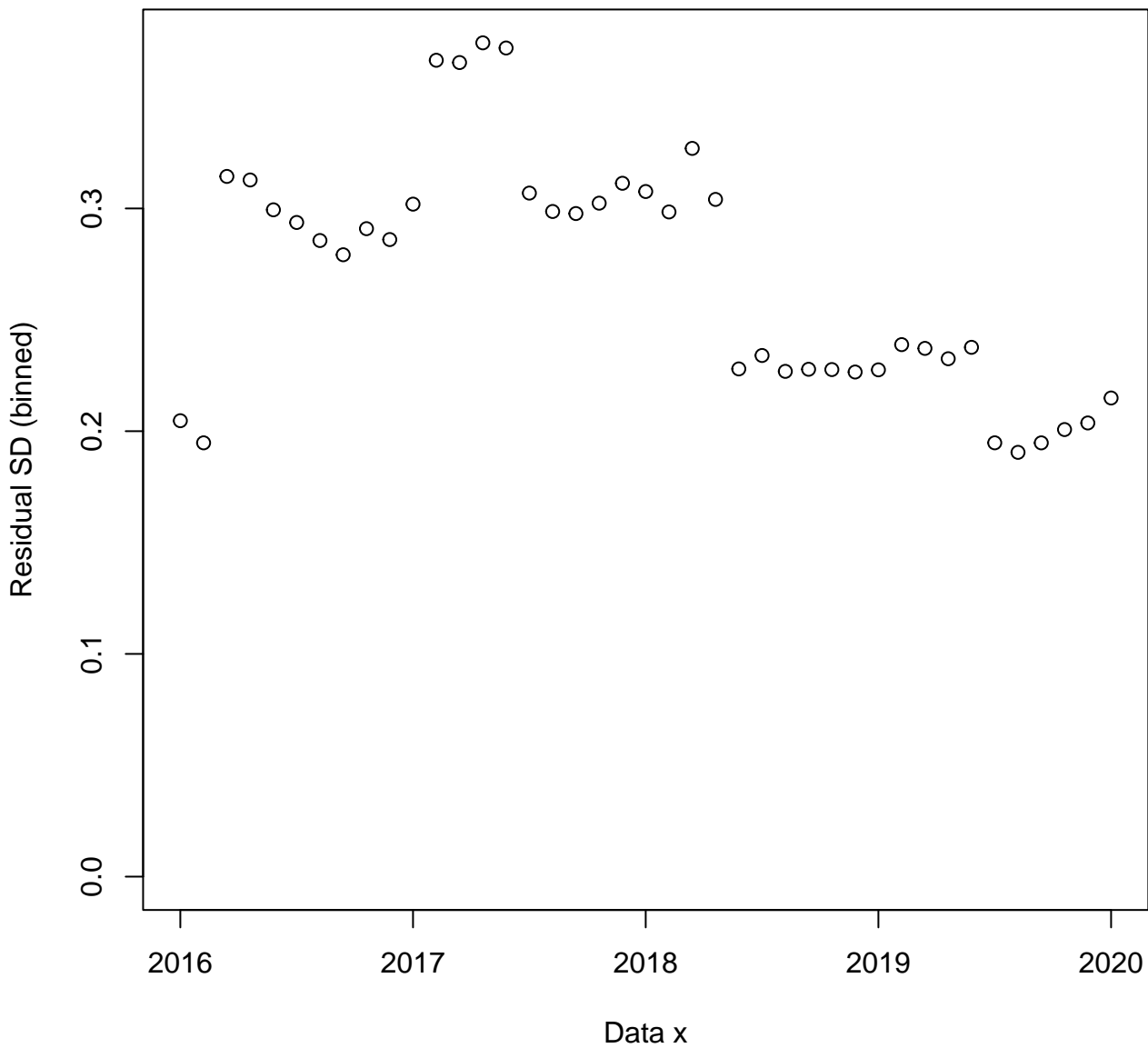


**Data y & Post Pred y
vs. Data x**

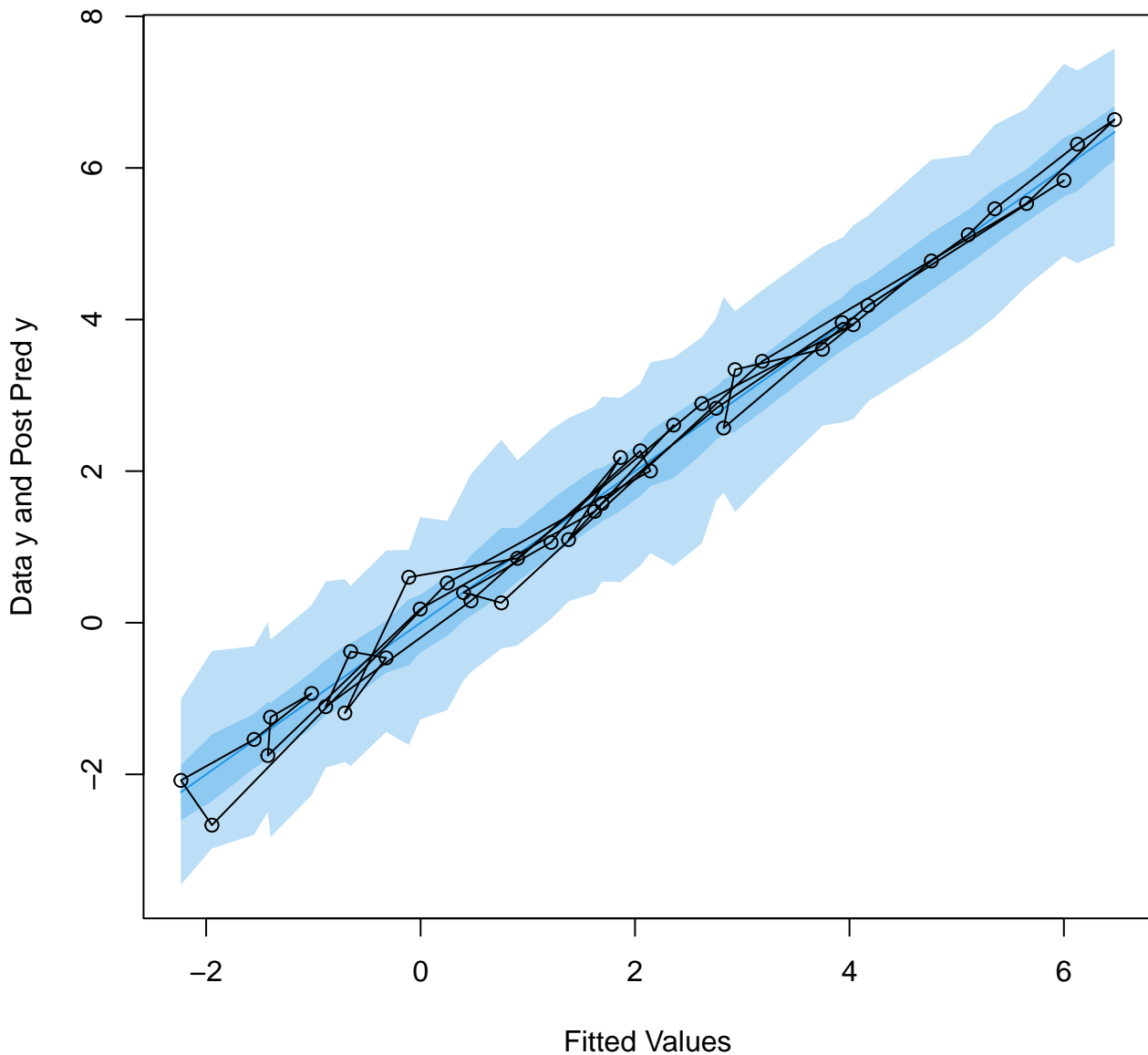


Residuals & PP Residual vs. Data x

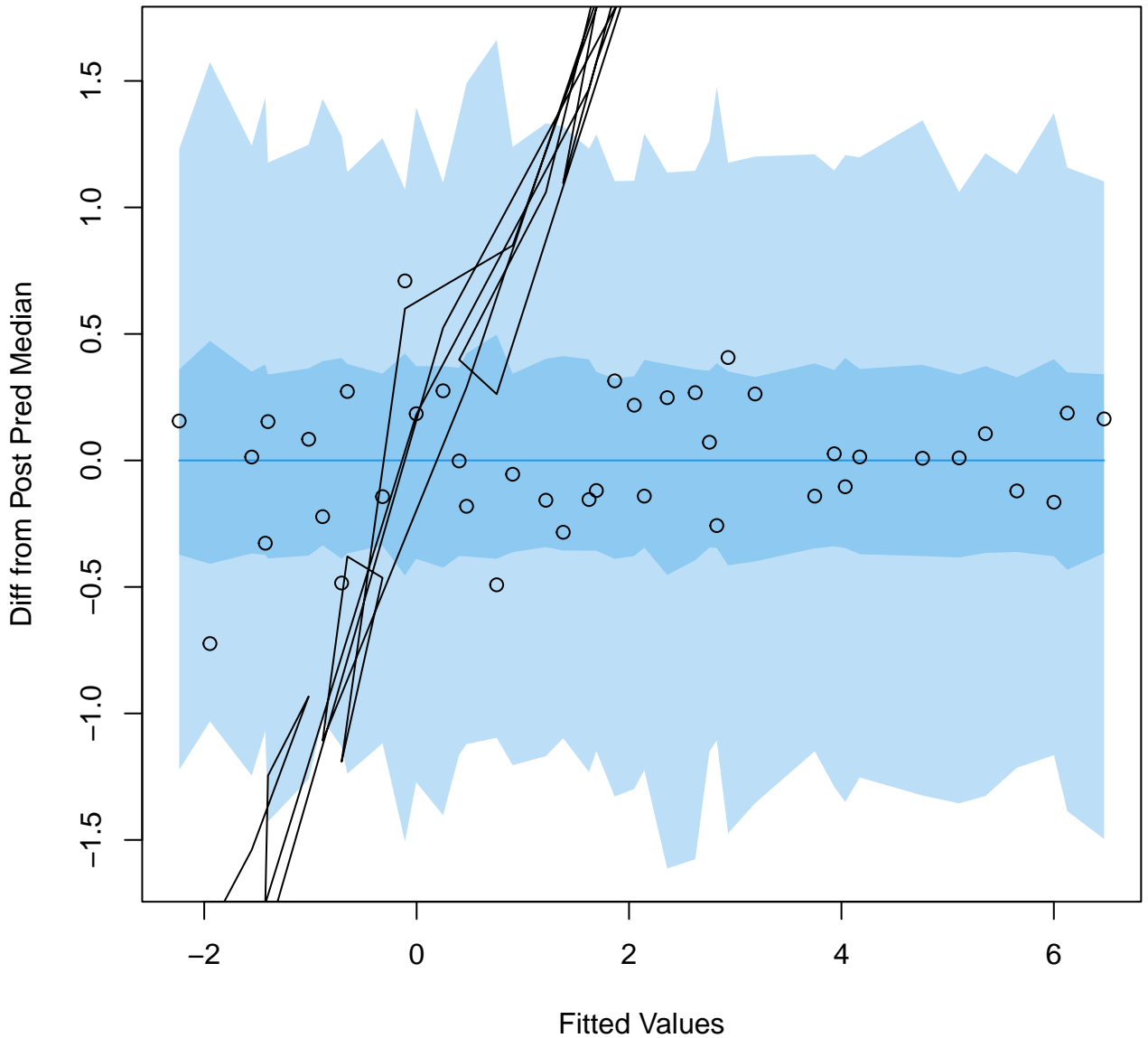


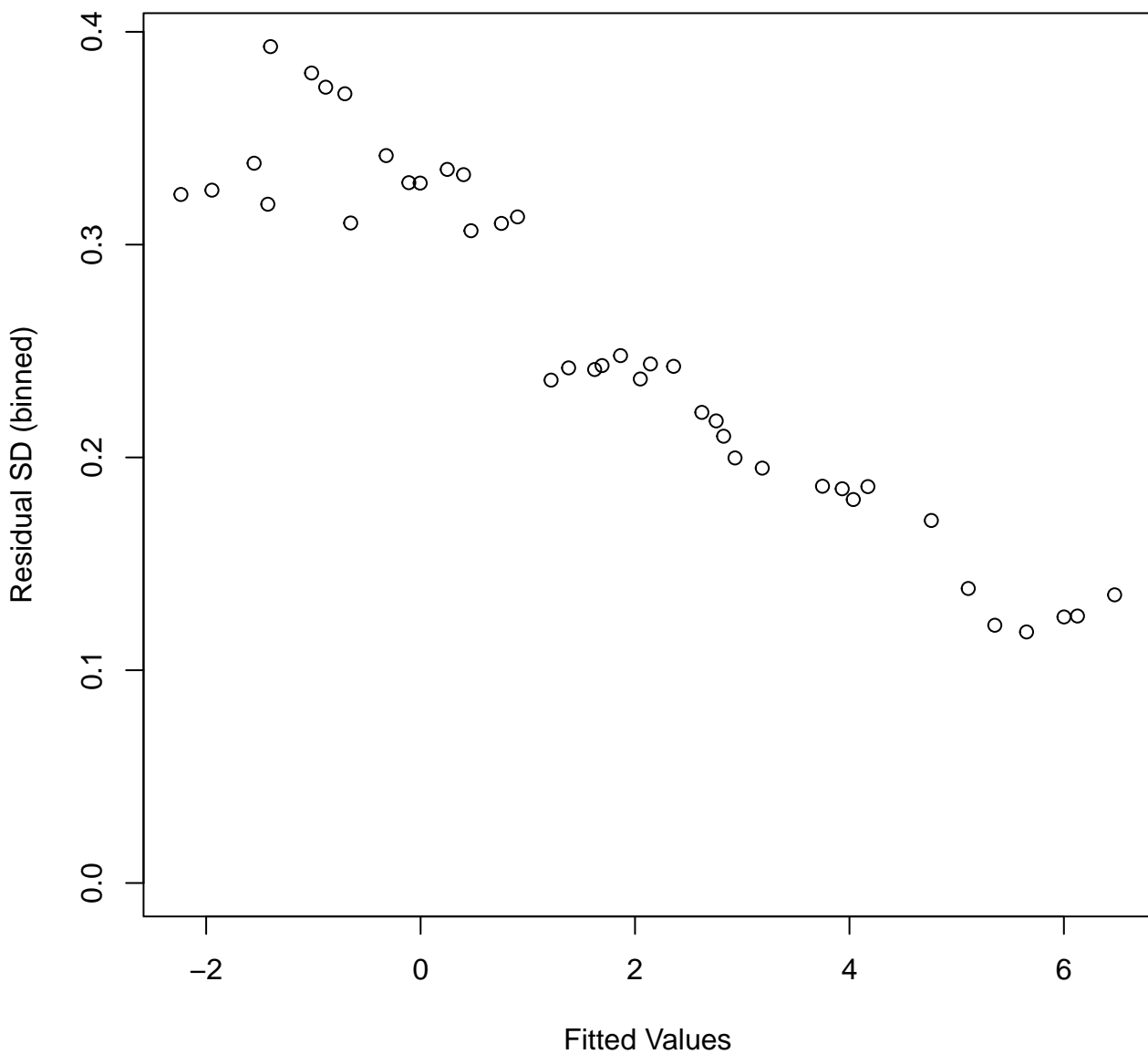


**Data y & Post Pred y
vs. Fitted Values**

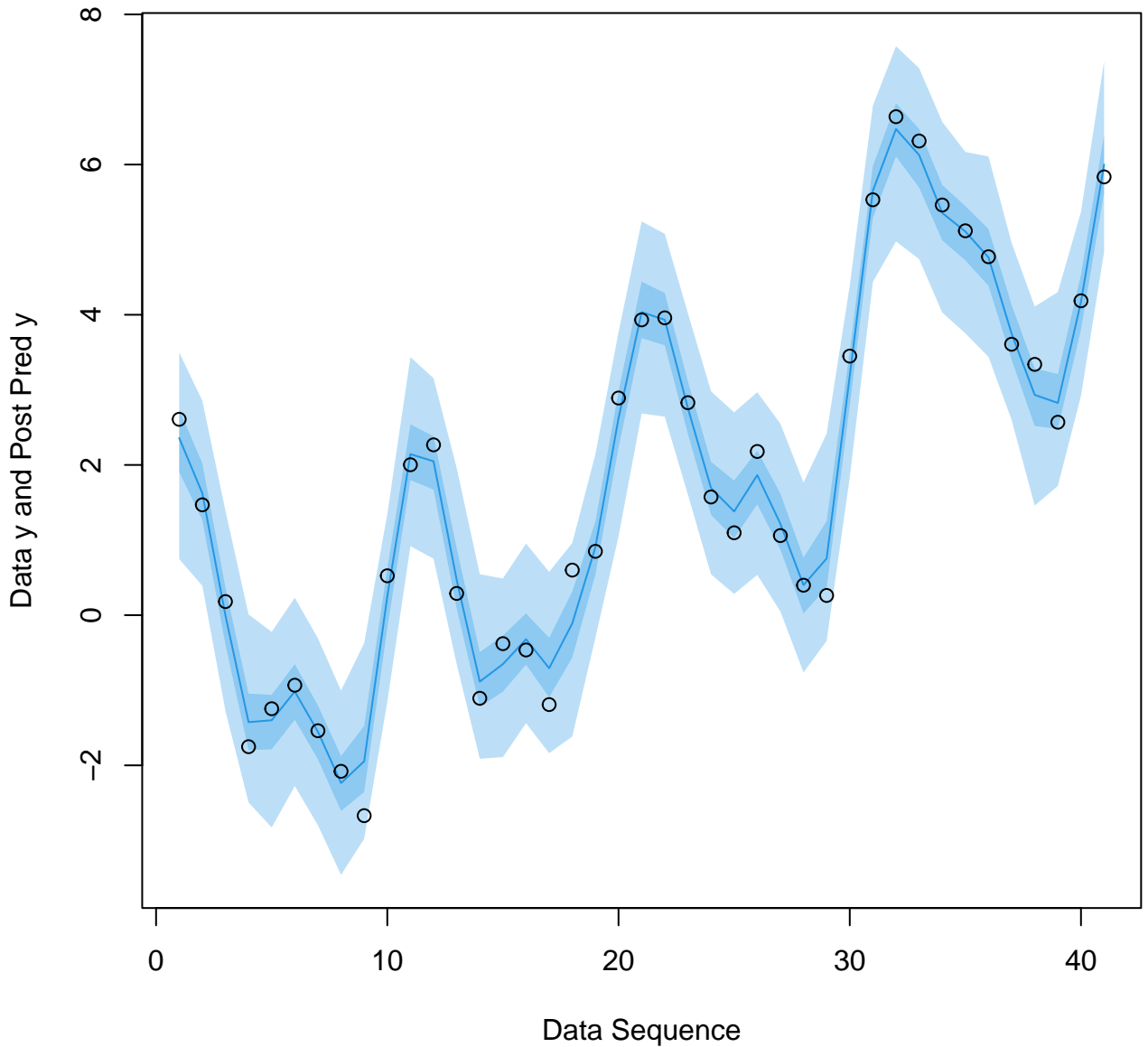


Residuals & PP Residual vs. Fitted Values

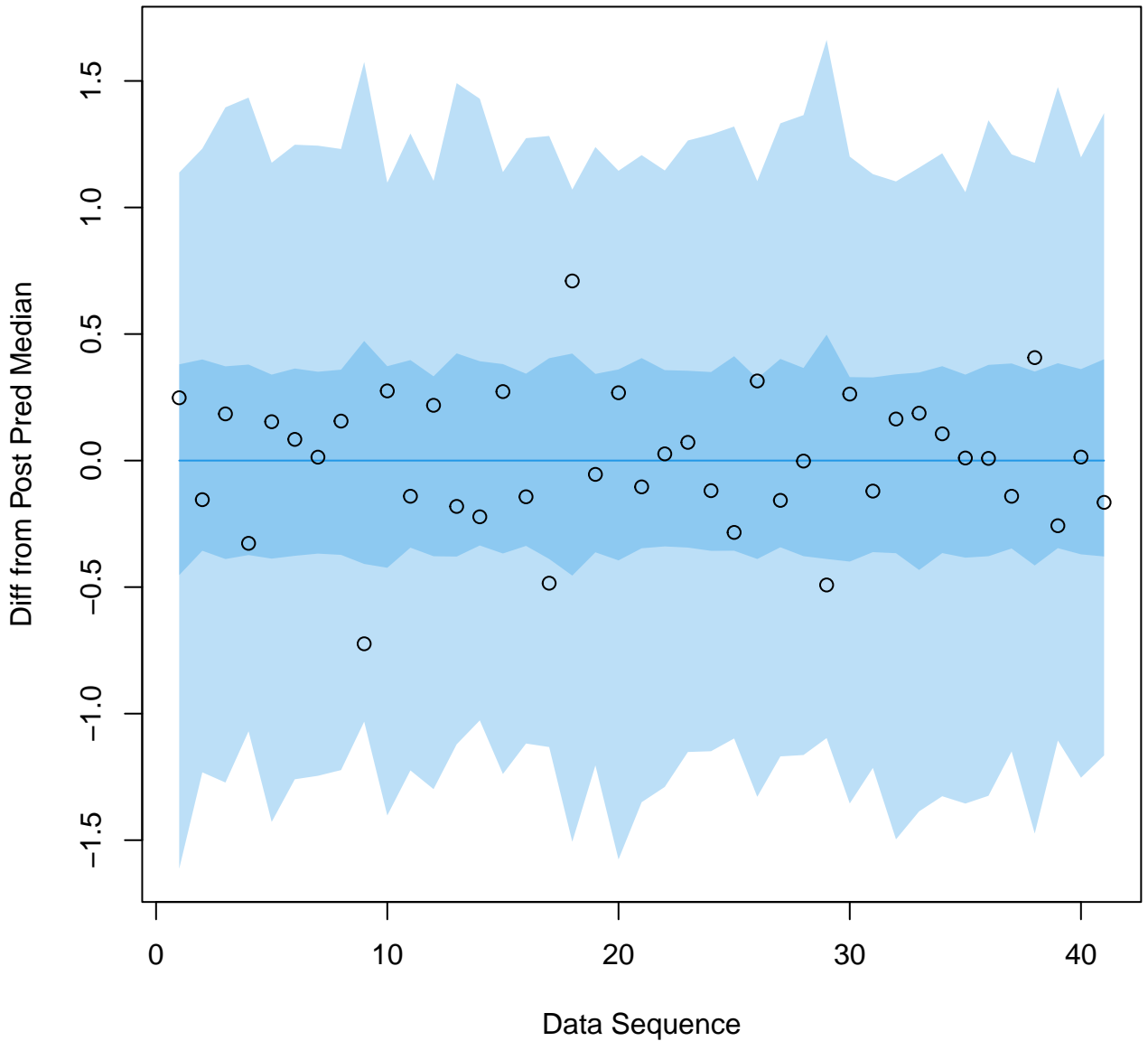


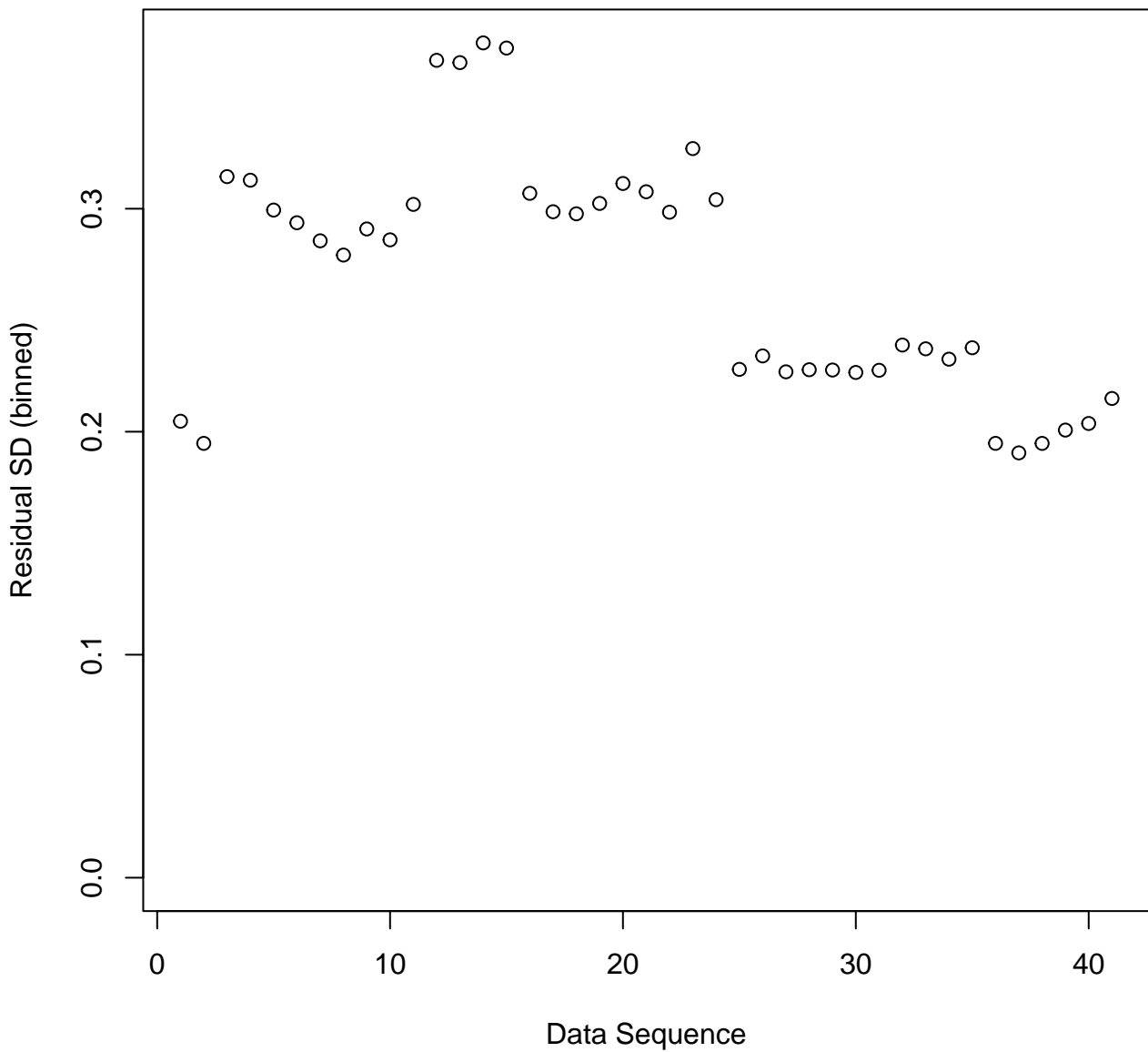


**Data y & Post Pred y
vs. Data Sequence**

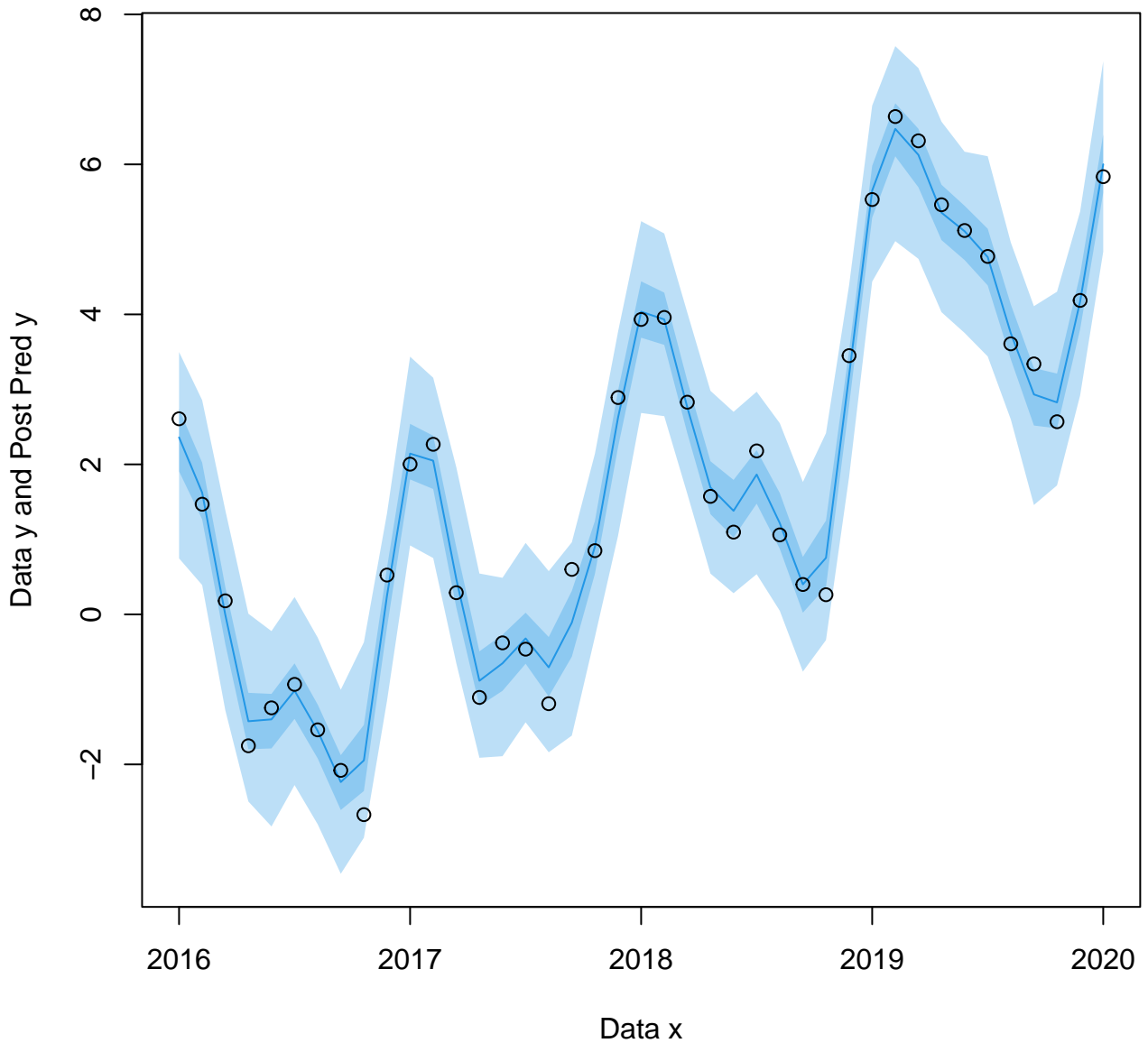


Residuals & PP Residual vs. Data Sequence

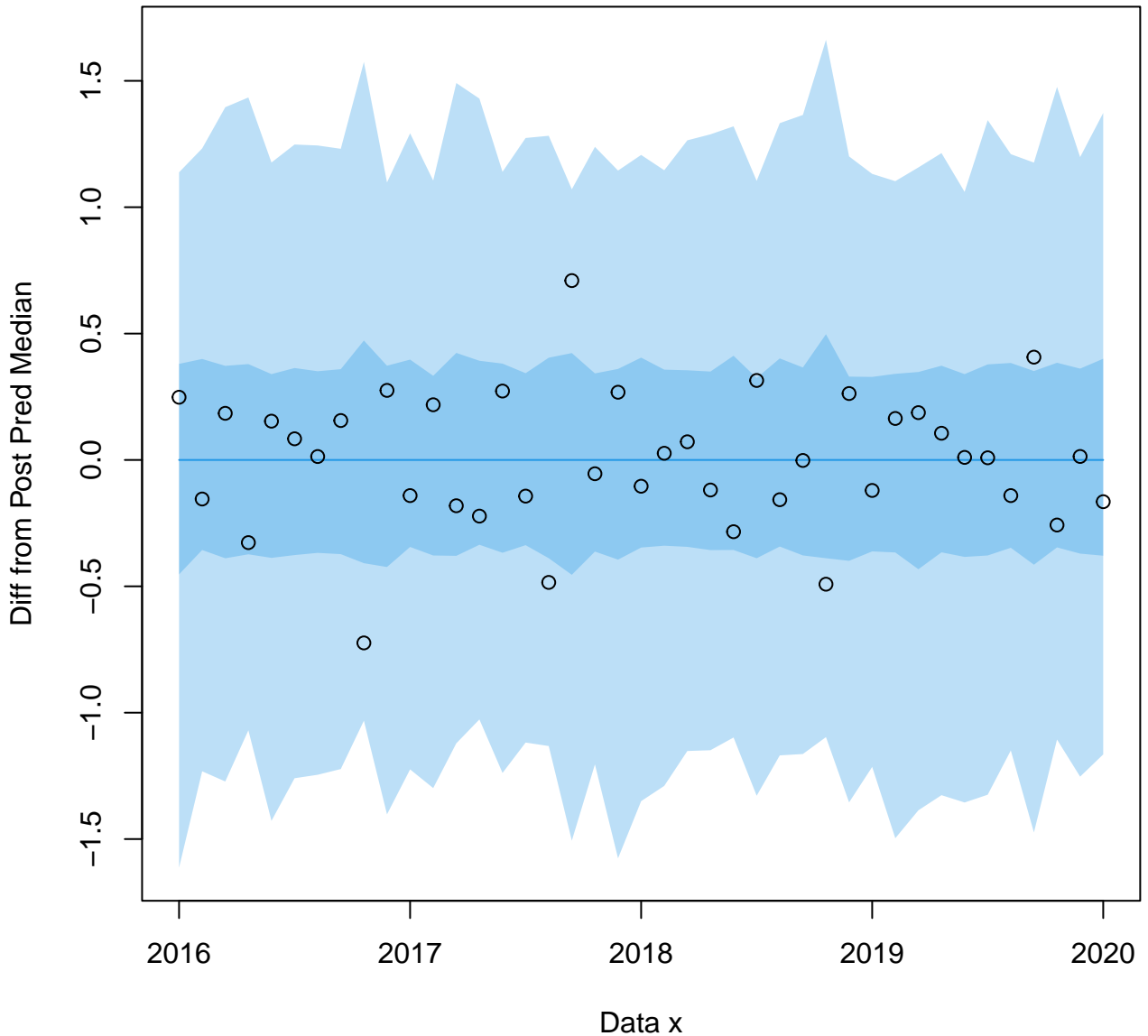


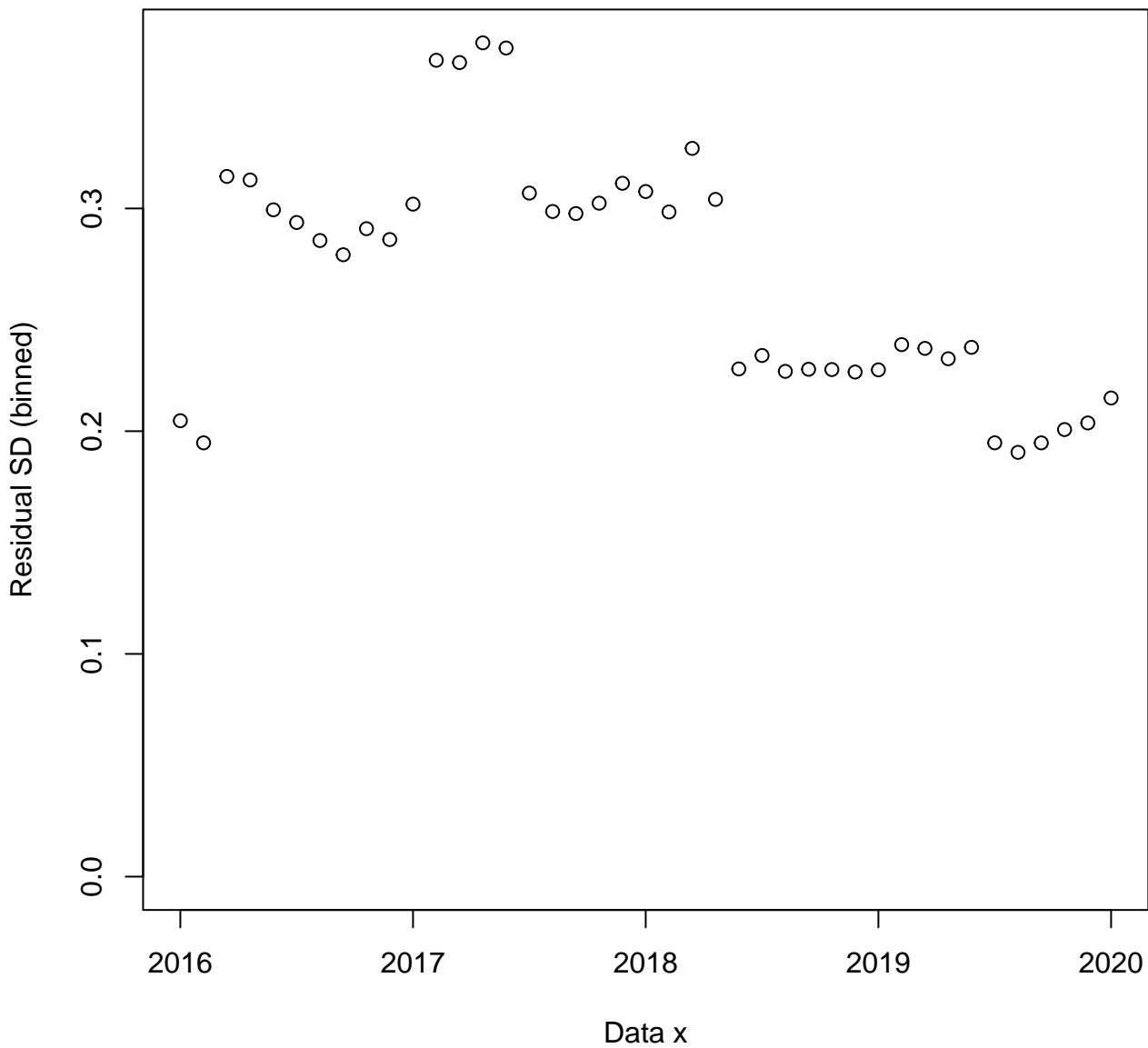


**Data y & Post Pred y
vs. Data x**

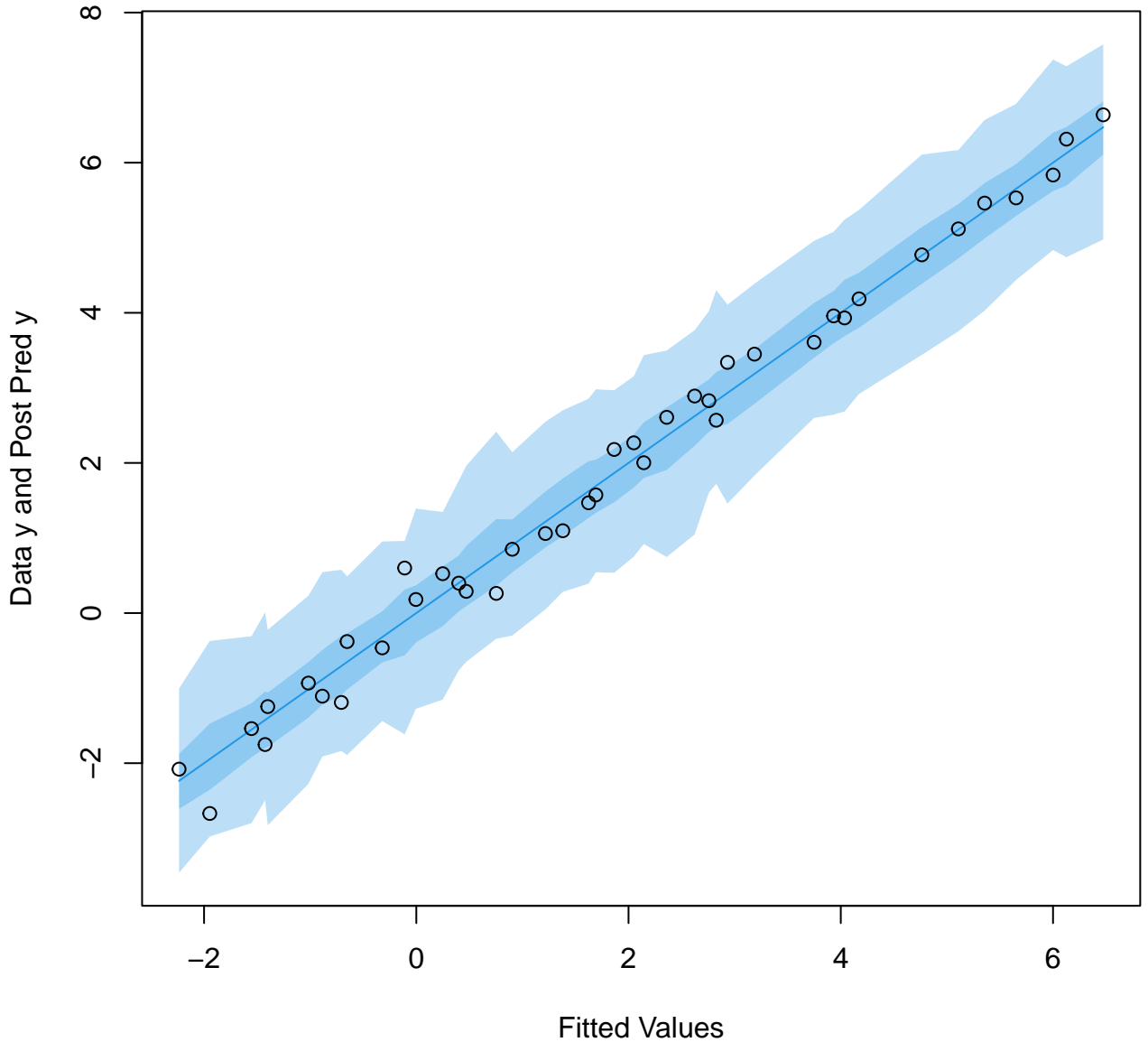


Residuals & PP Residual vs. Data x

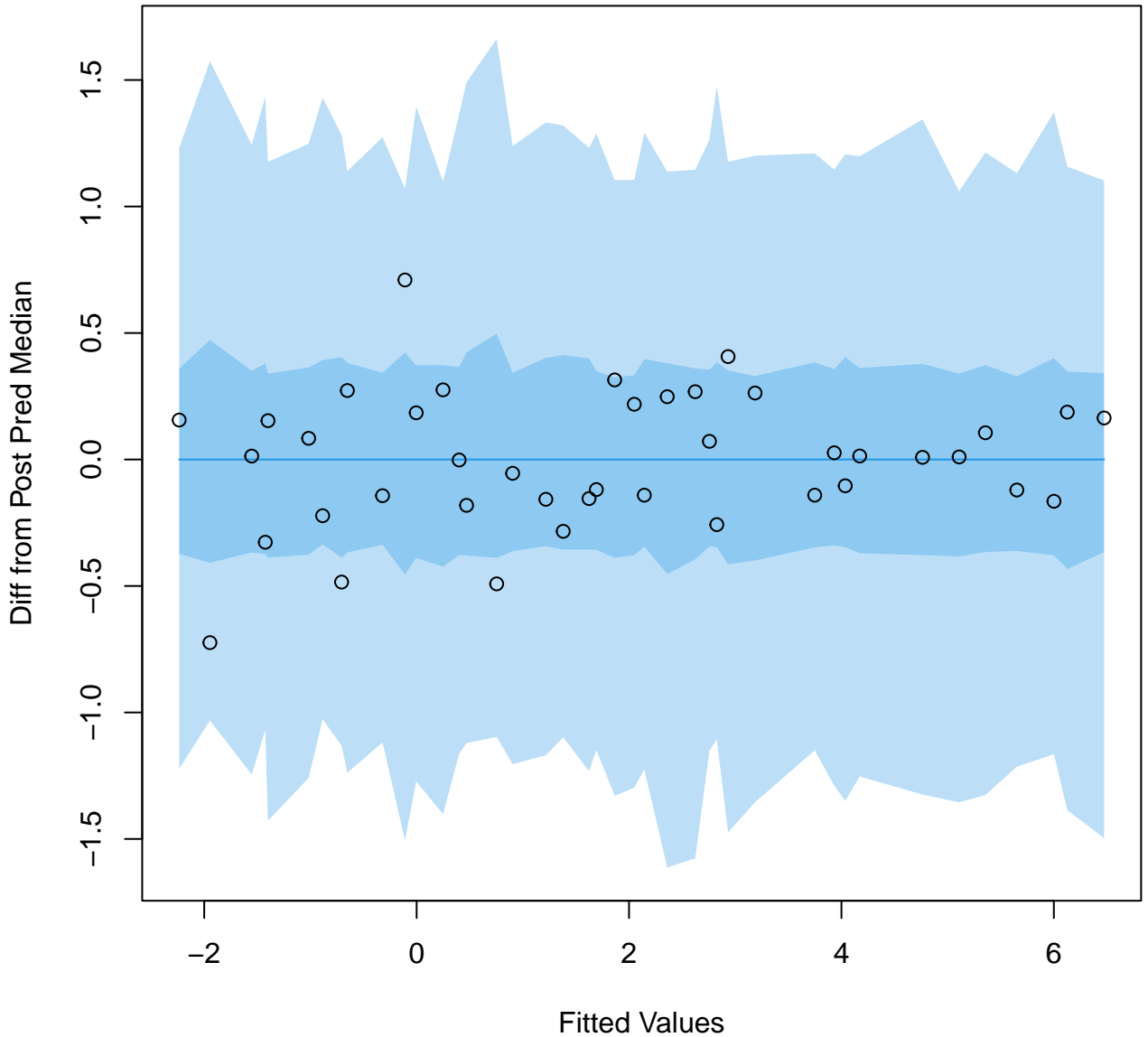


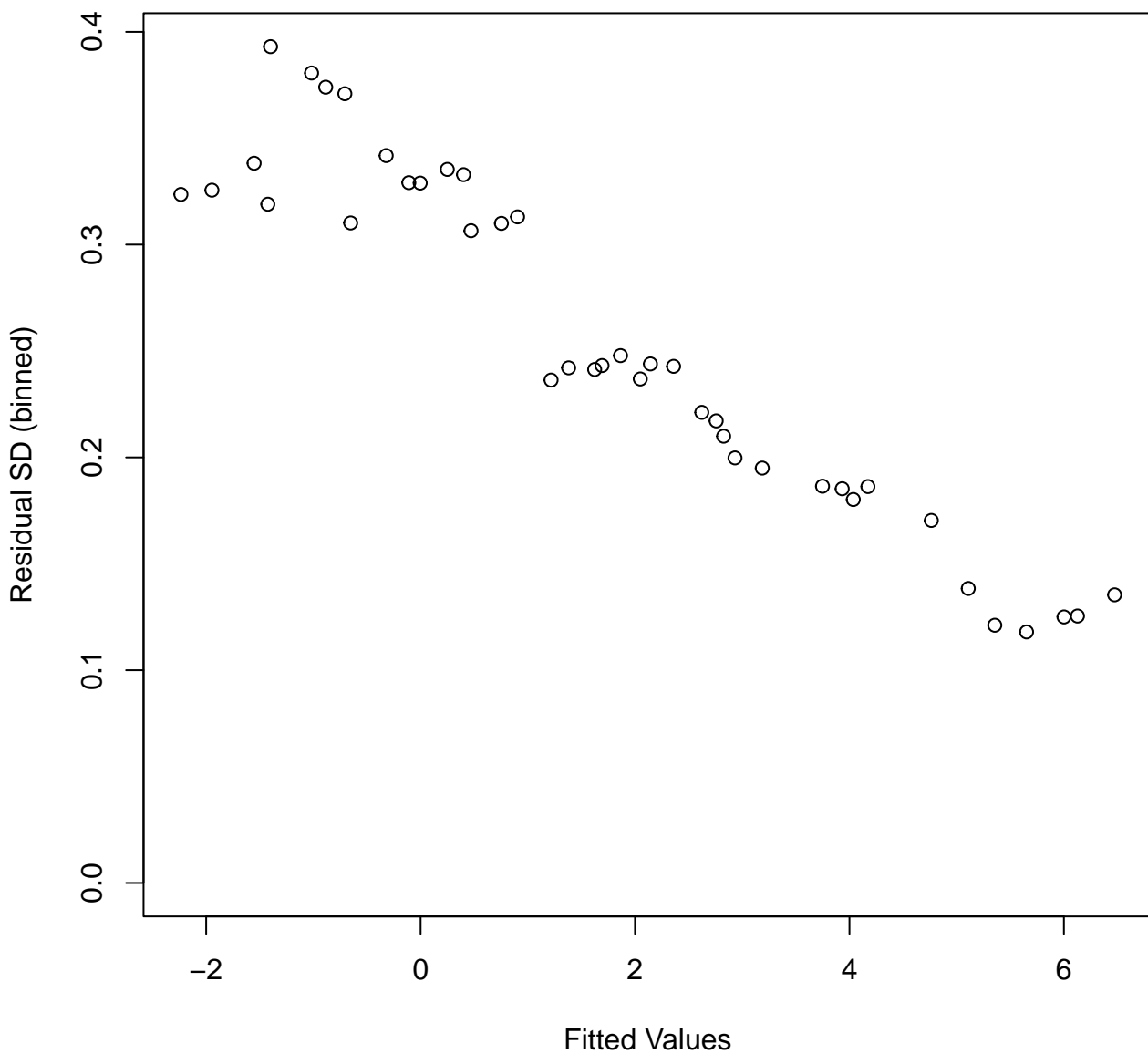


**Data y & Post Pred y
vs. Fitted Values**

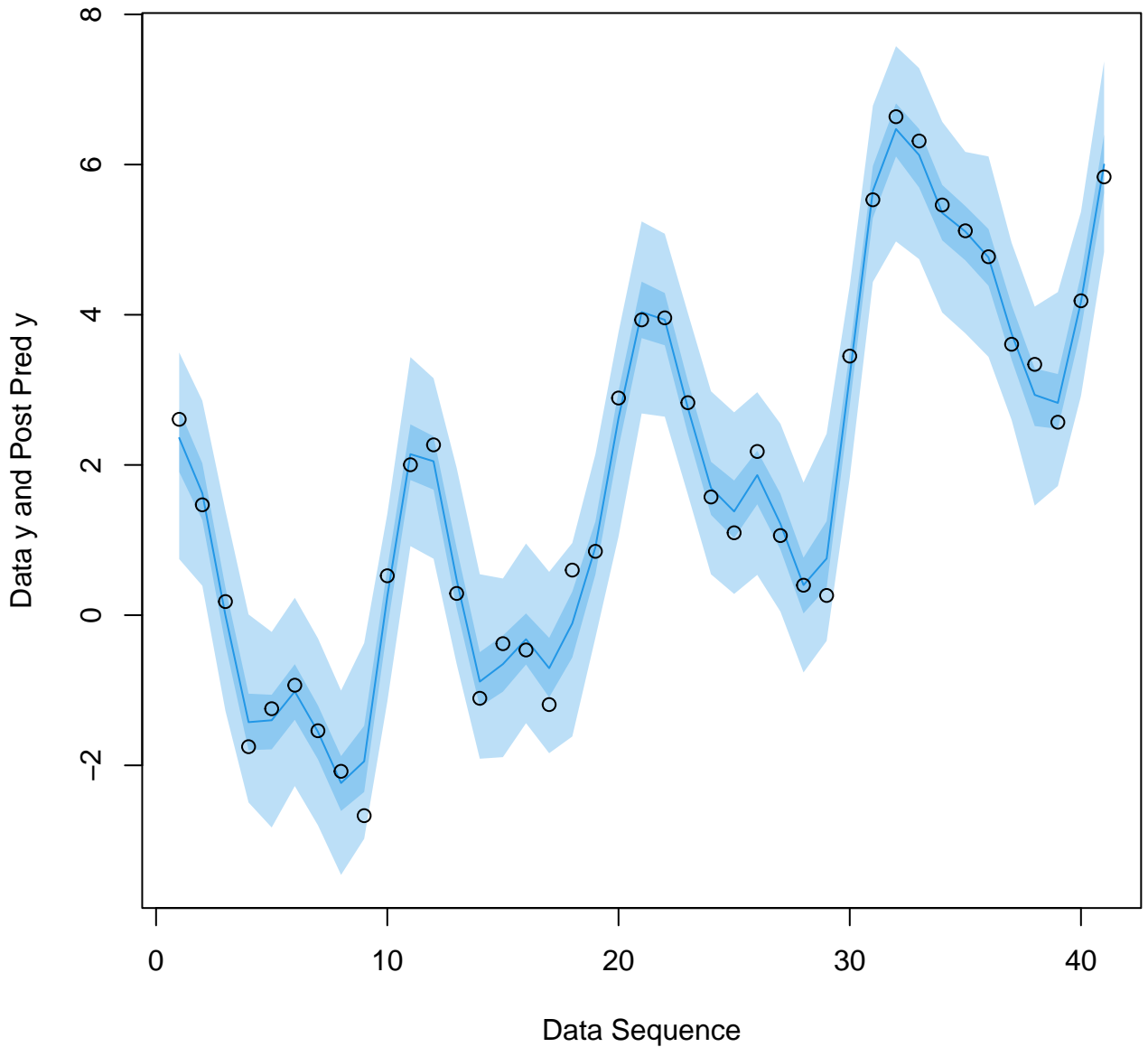


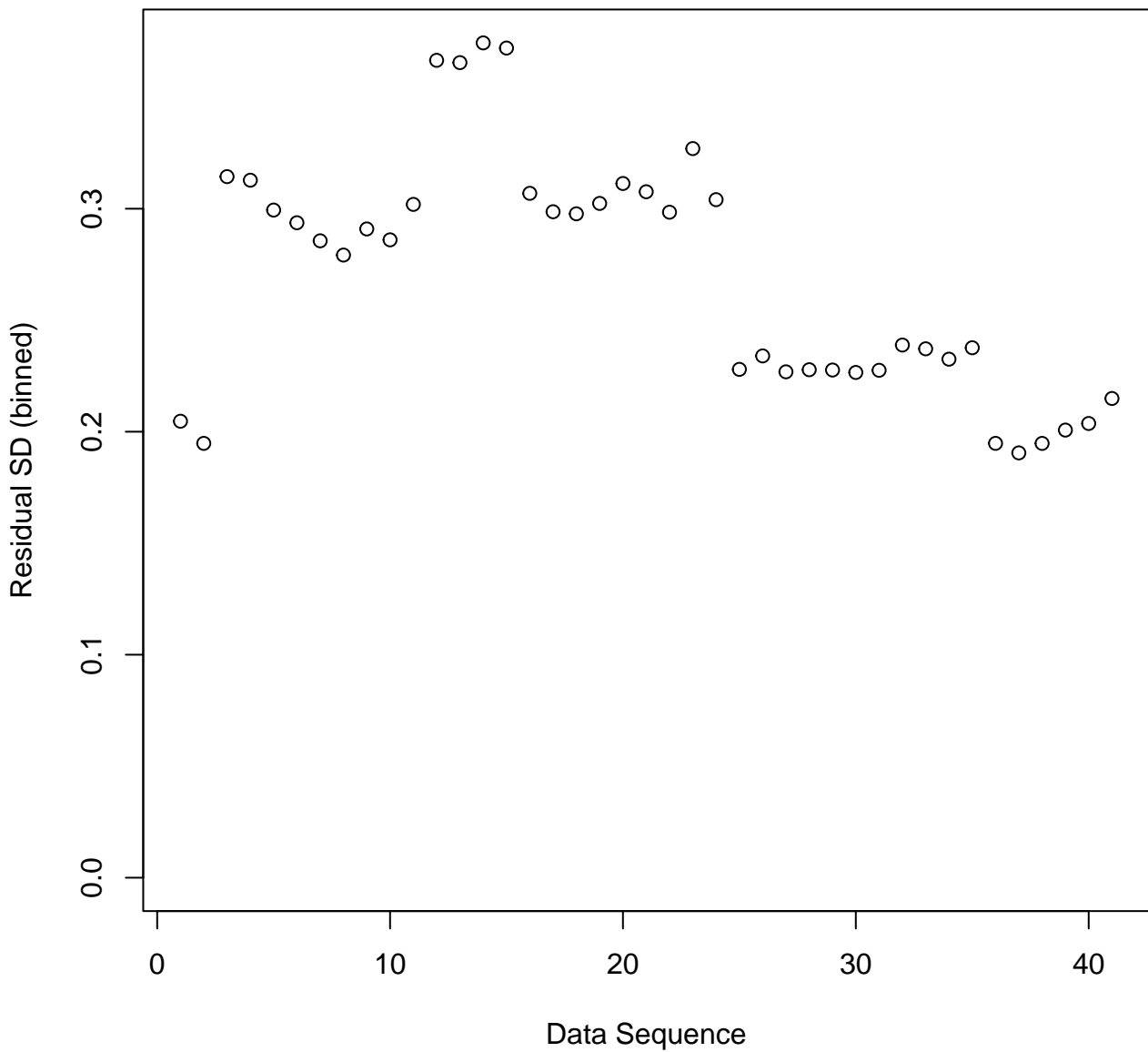
Residuals & PP Residual vs. Fitted Values



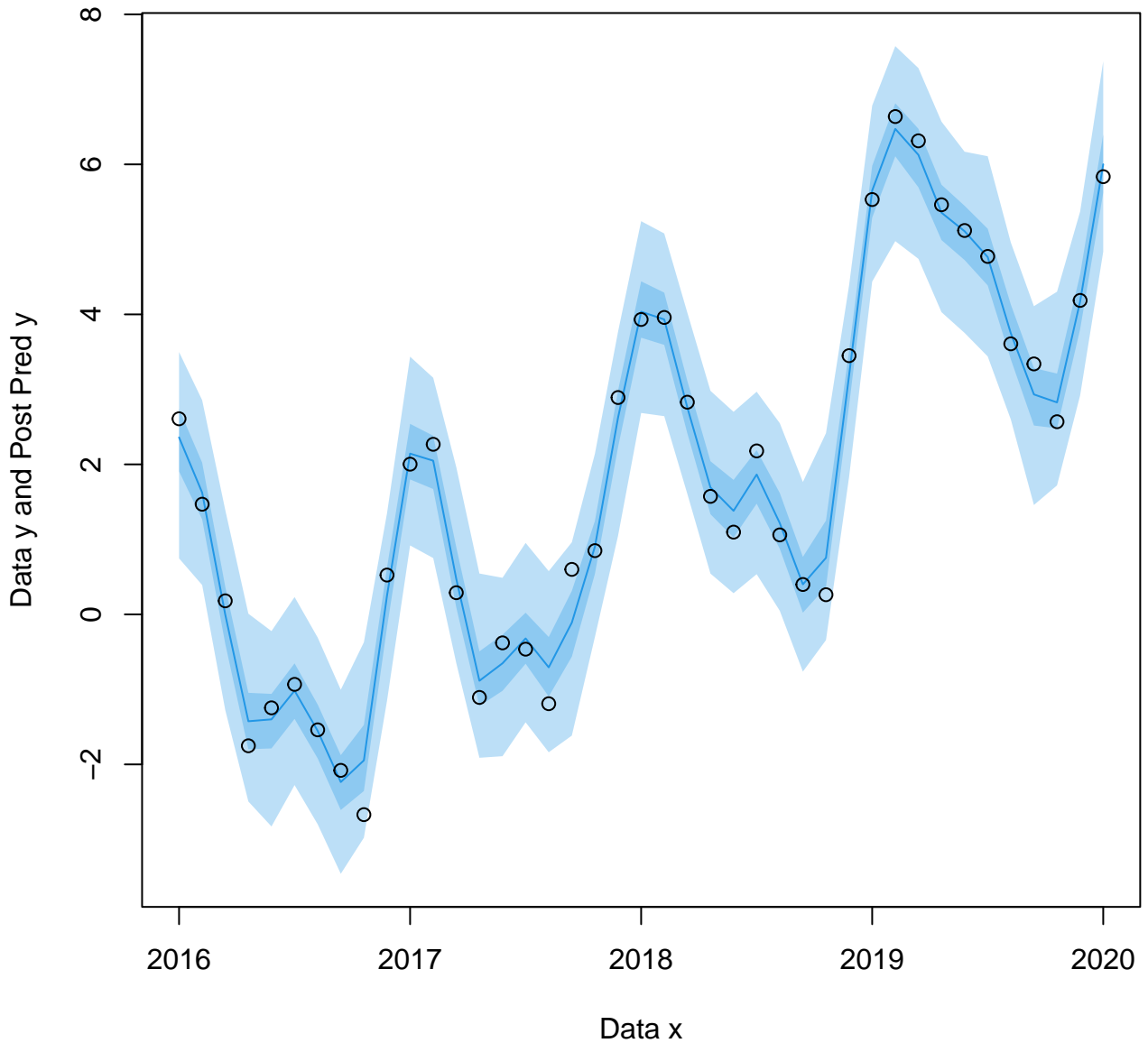


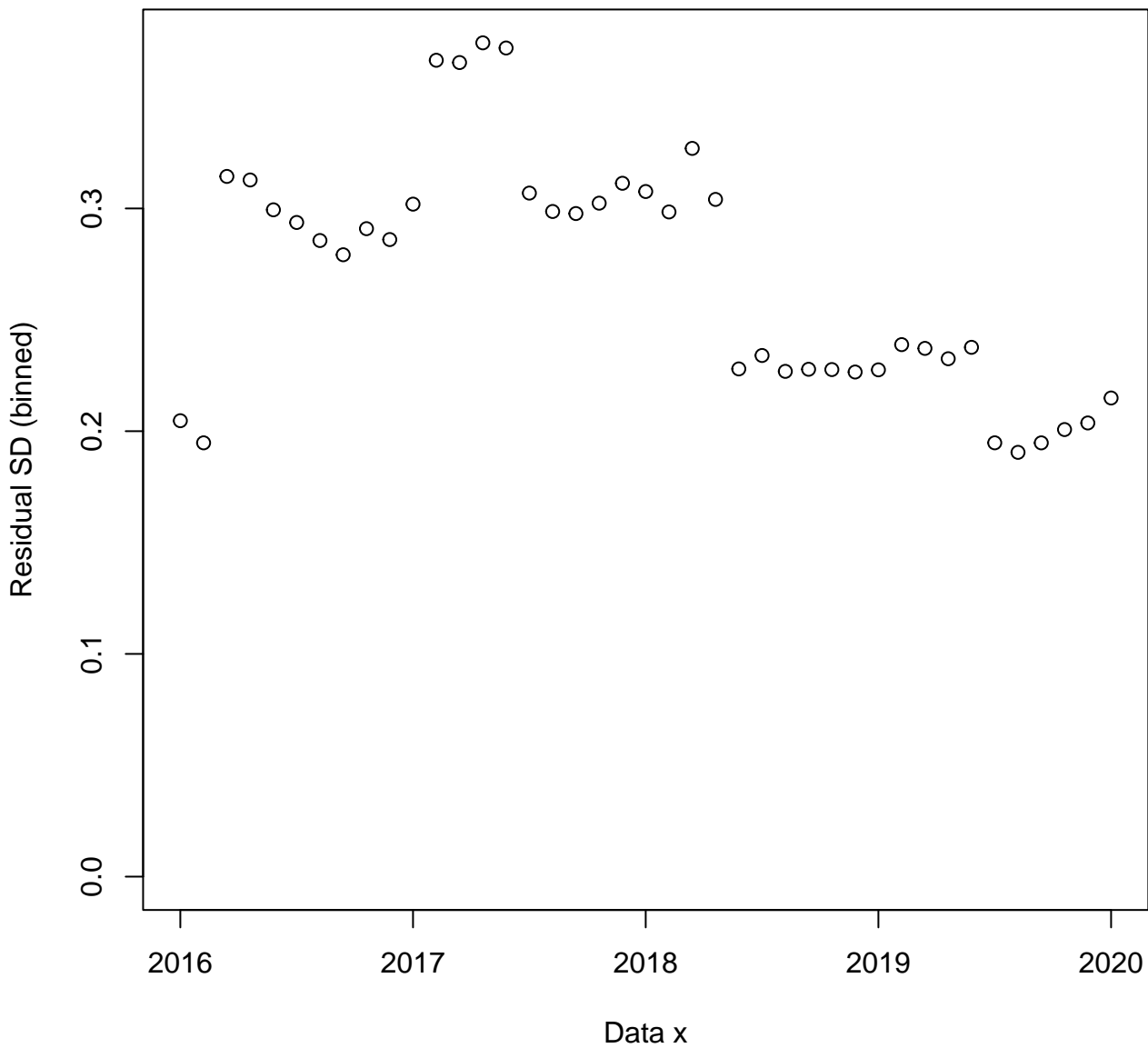
**Data y & Post Pred y
vs. Data Sequence**



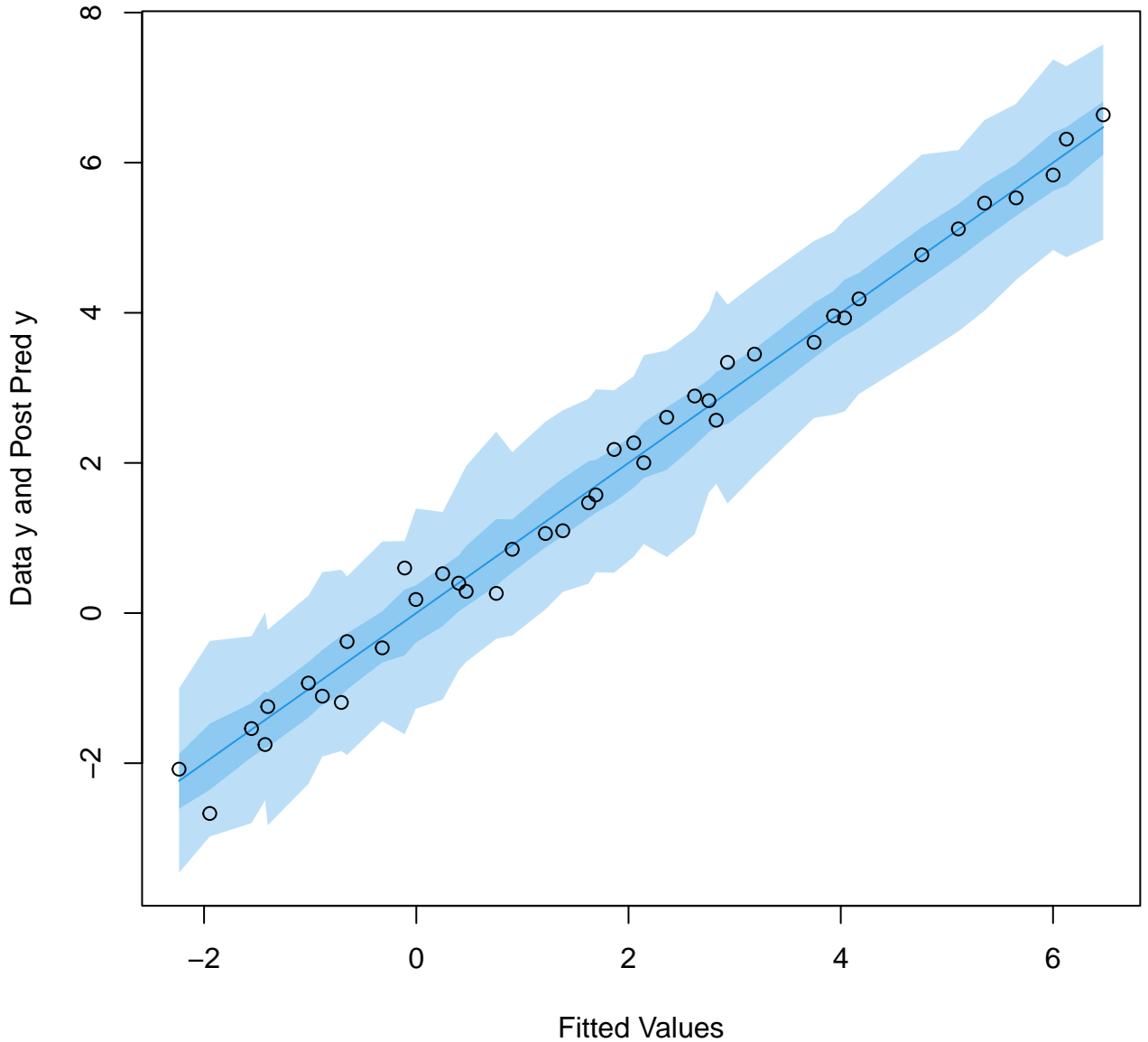


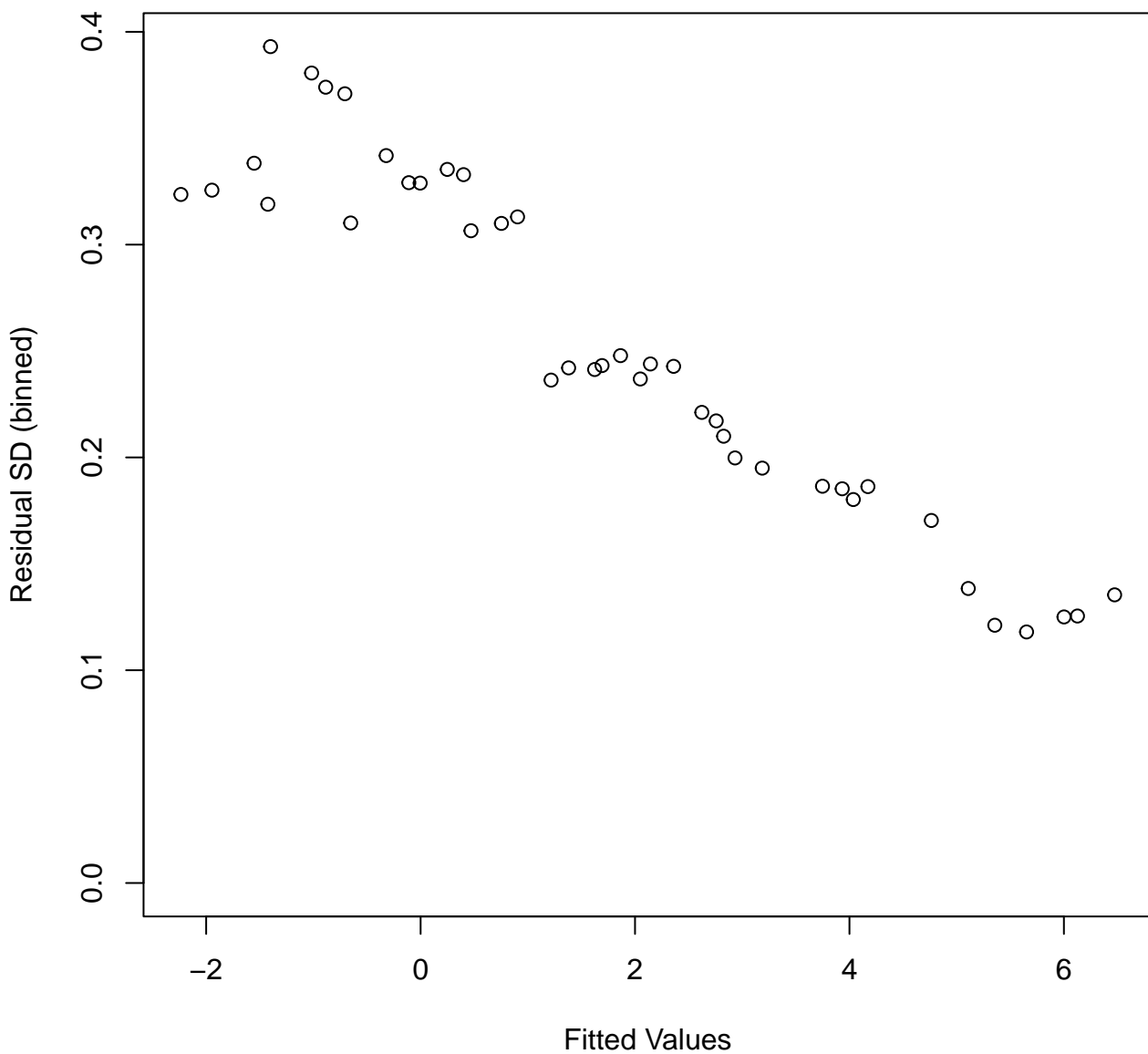
**Data y & Post Pred y
vs. Data x**



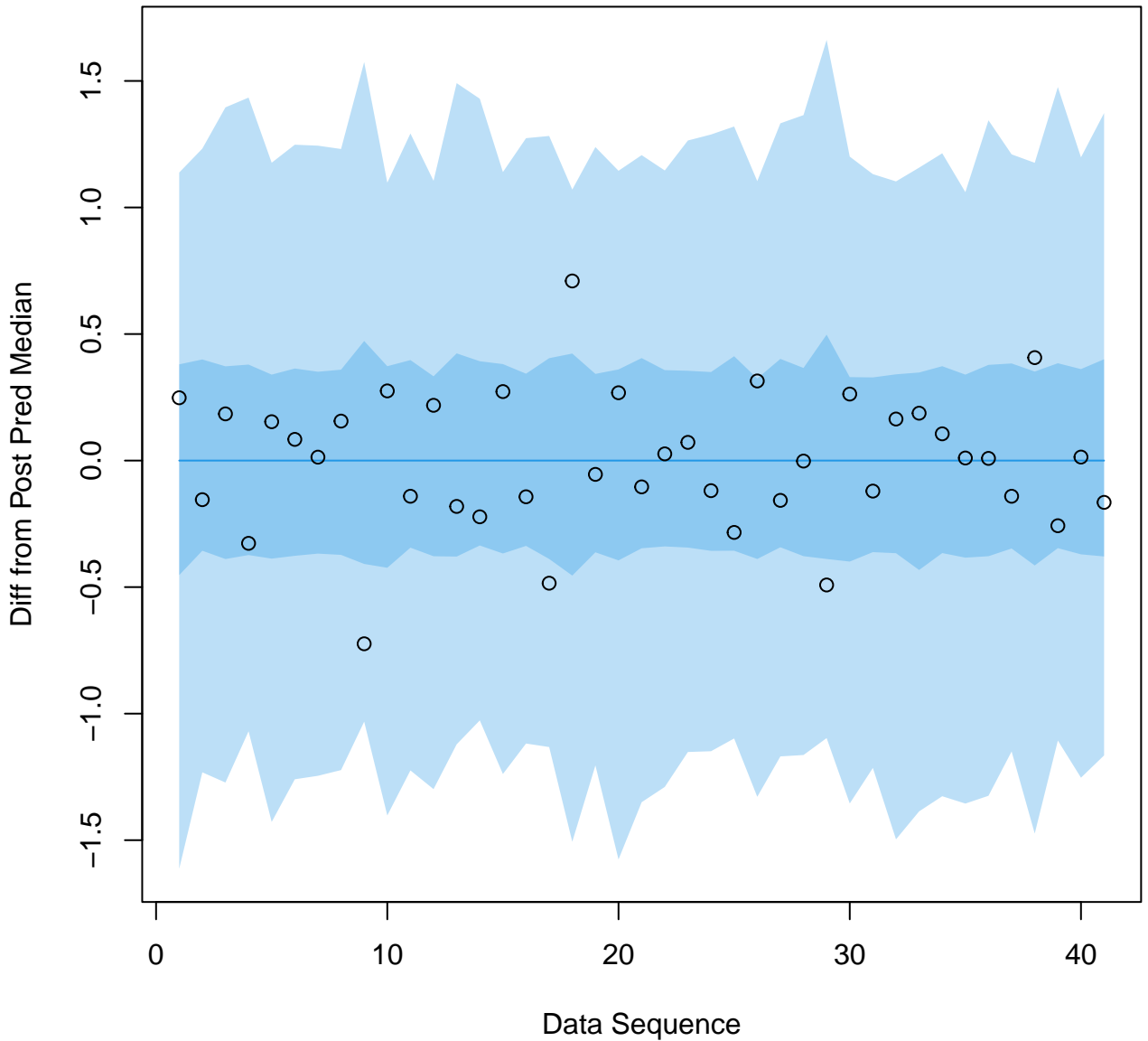


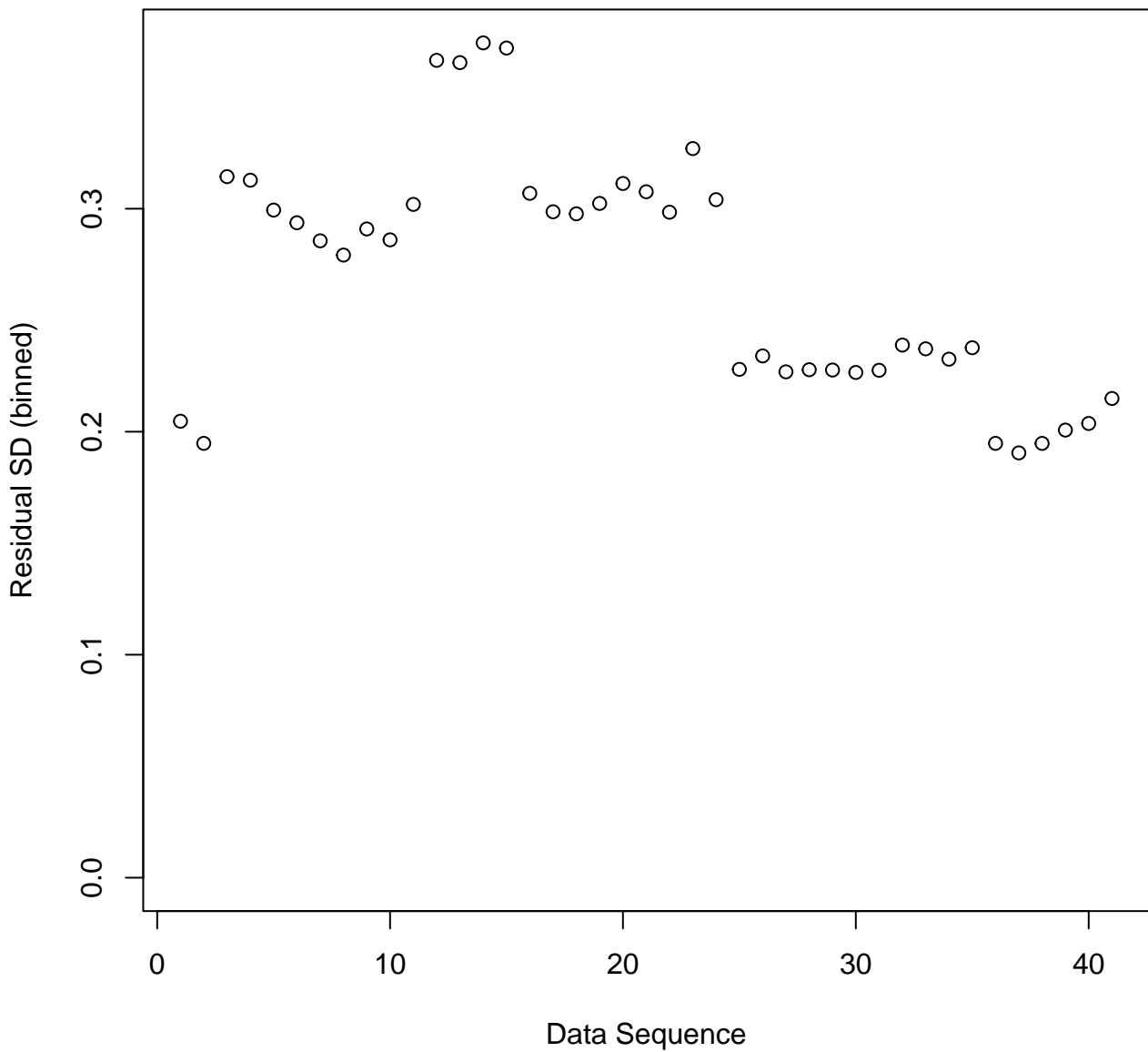
**Data y & Post Pred y
vs. Fitted Values**



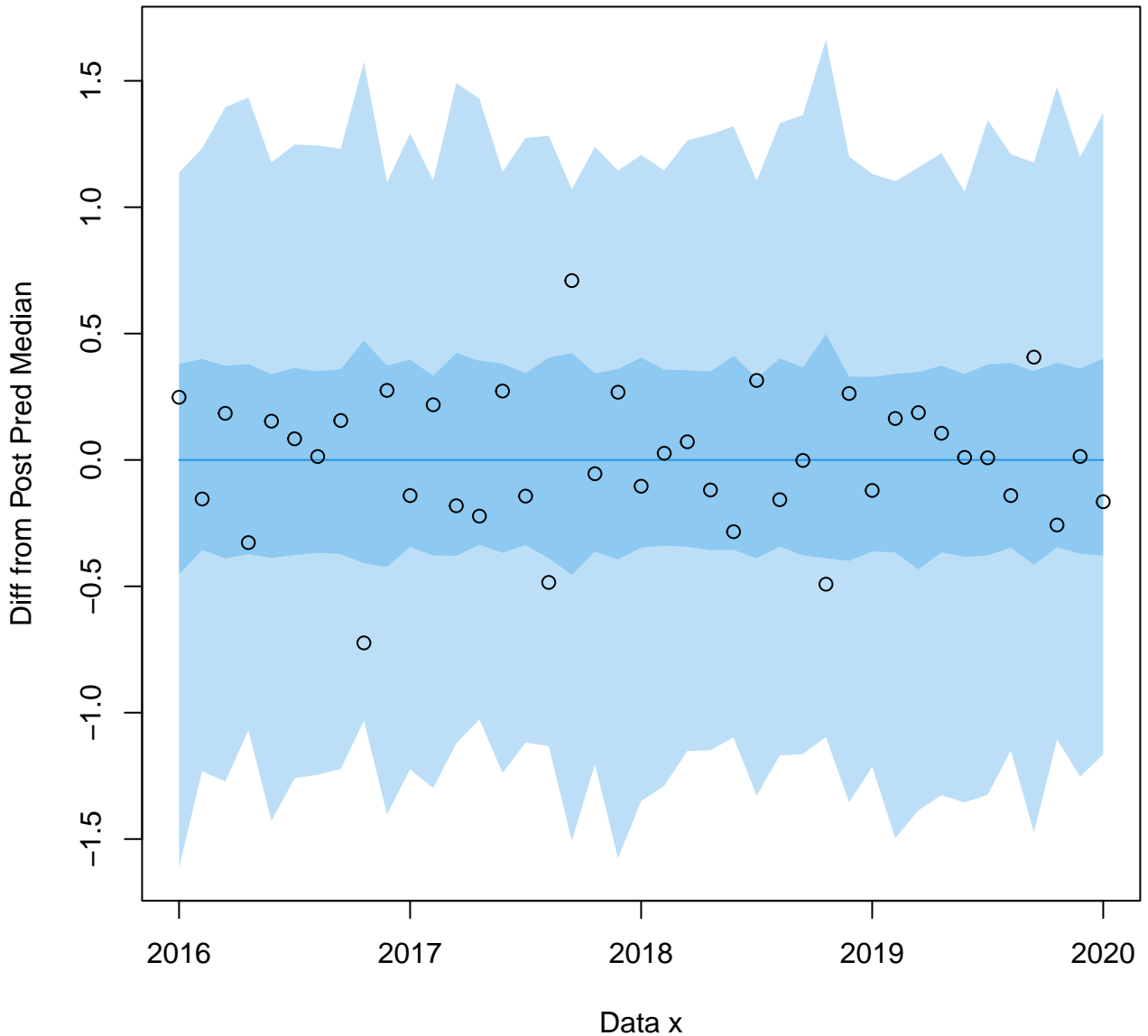


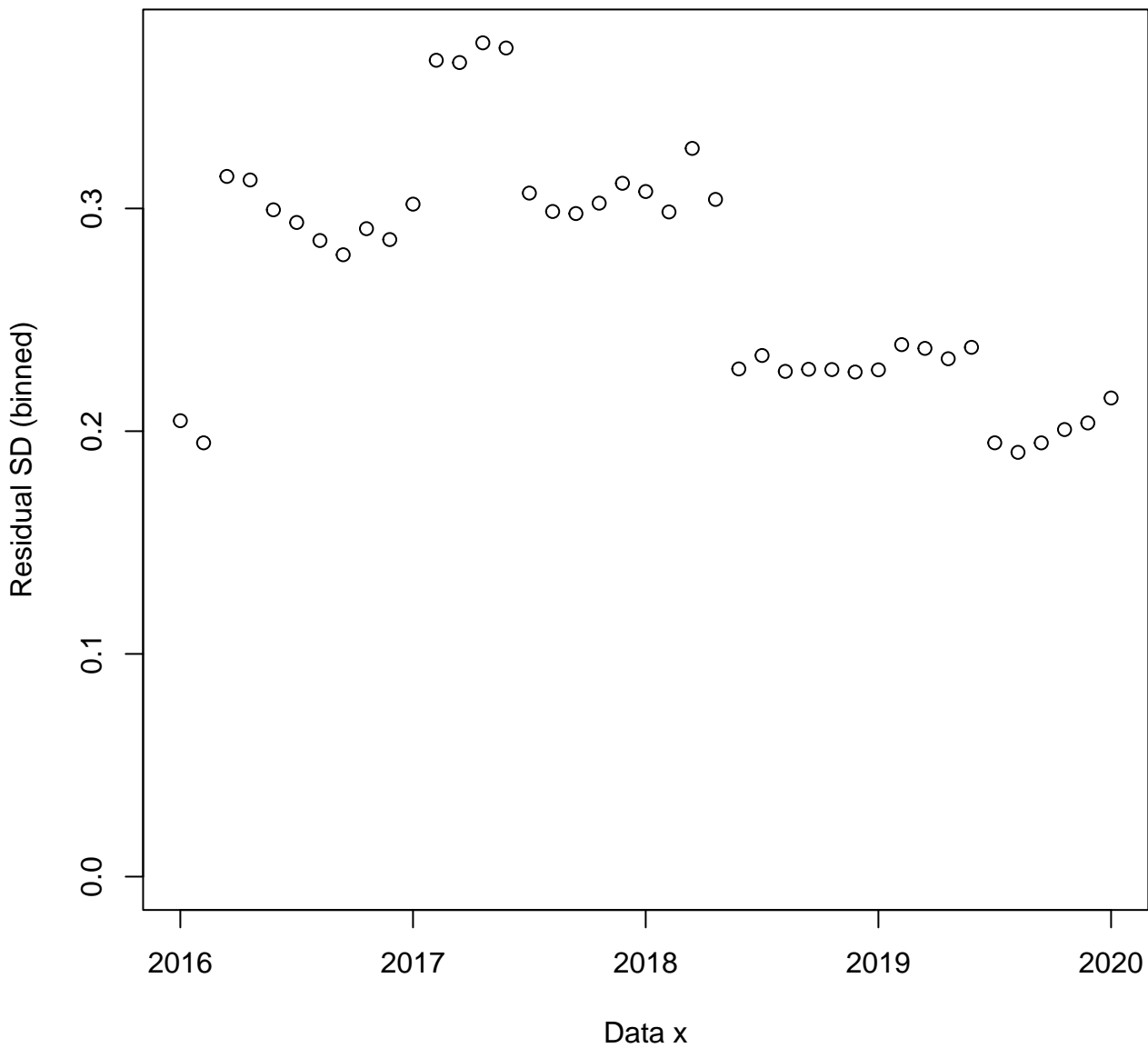
Residuals & PP Residual vs. Data Sequence



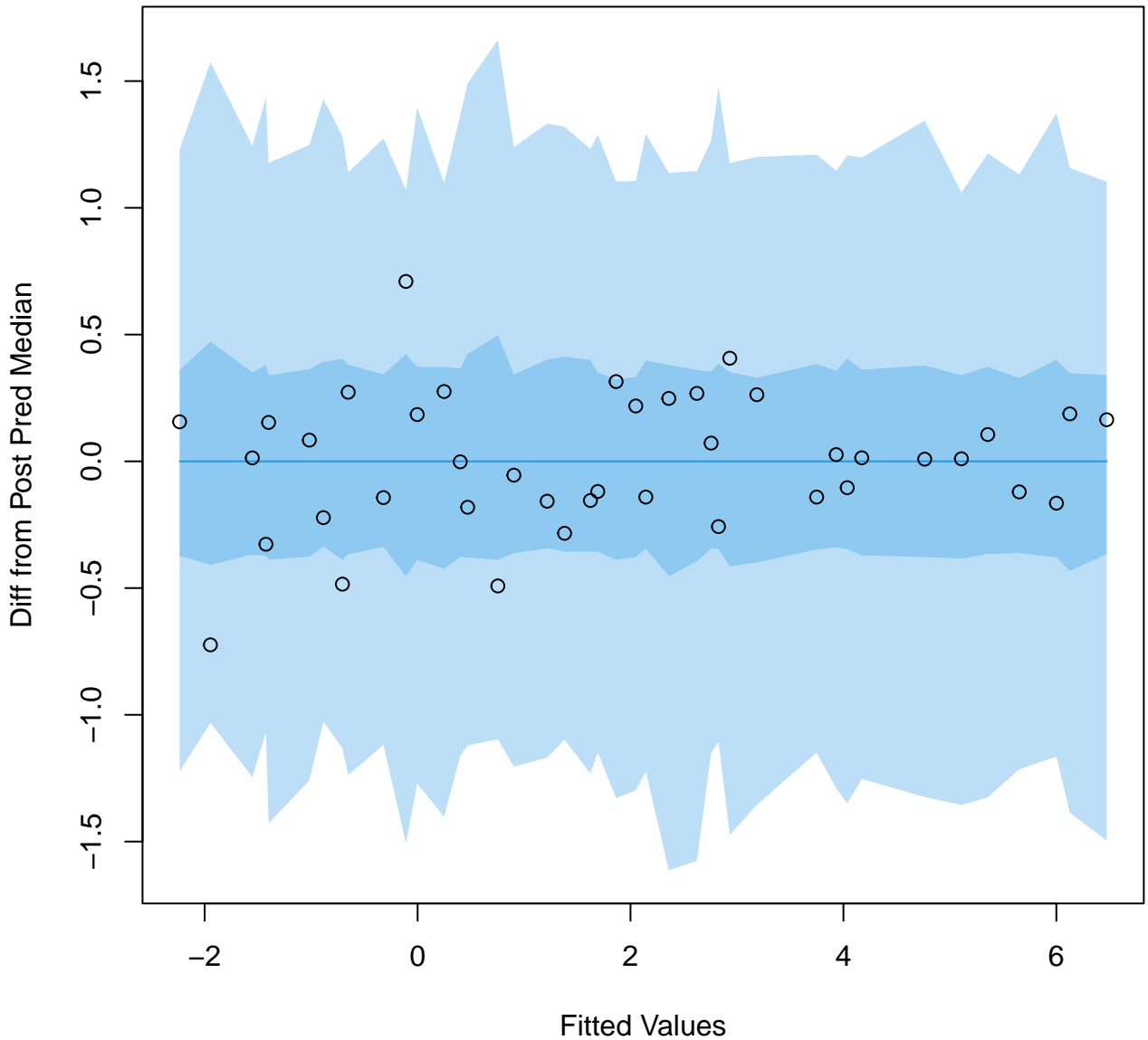


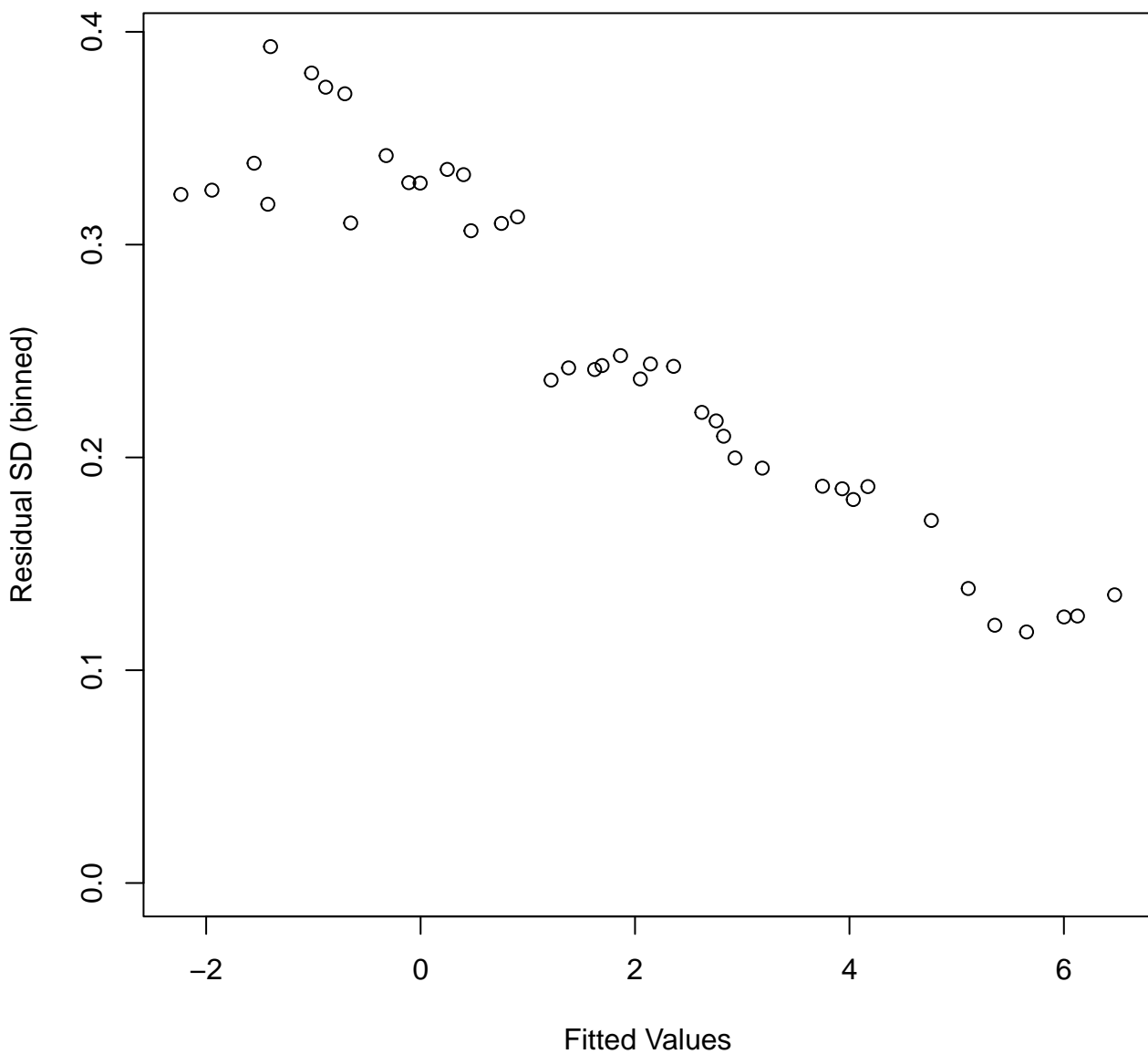
Residuals & PP Residual vs. Data x



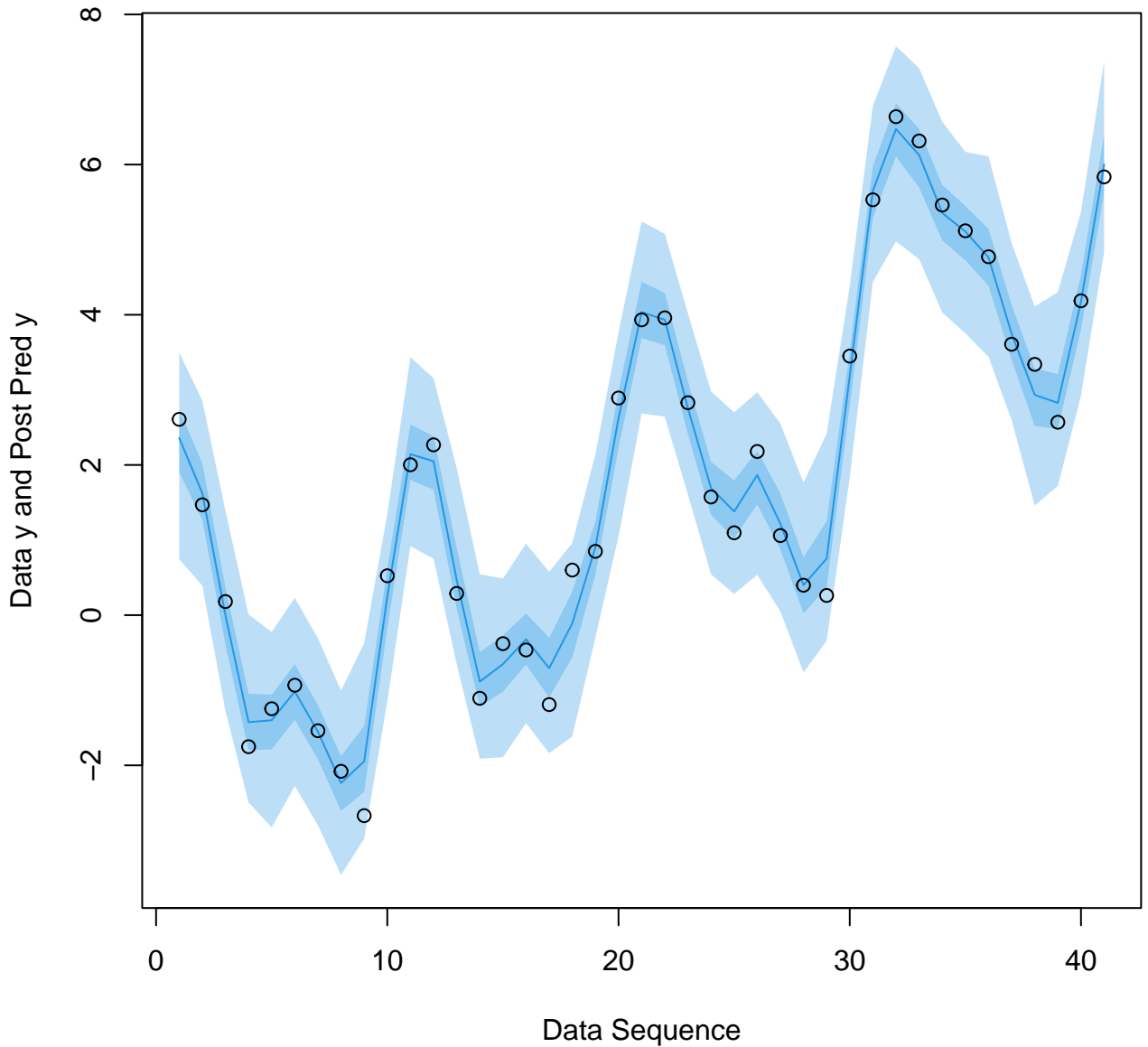


Residuals & PP Residual vs. Fitted Values

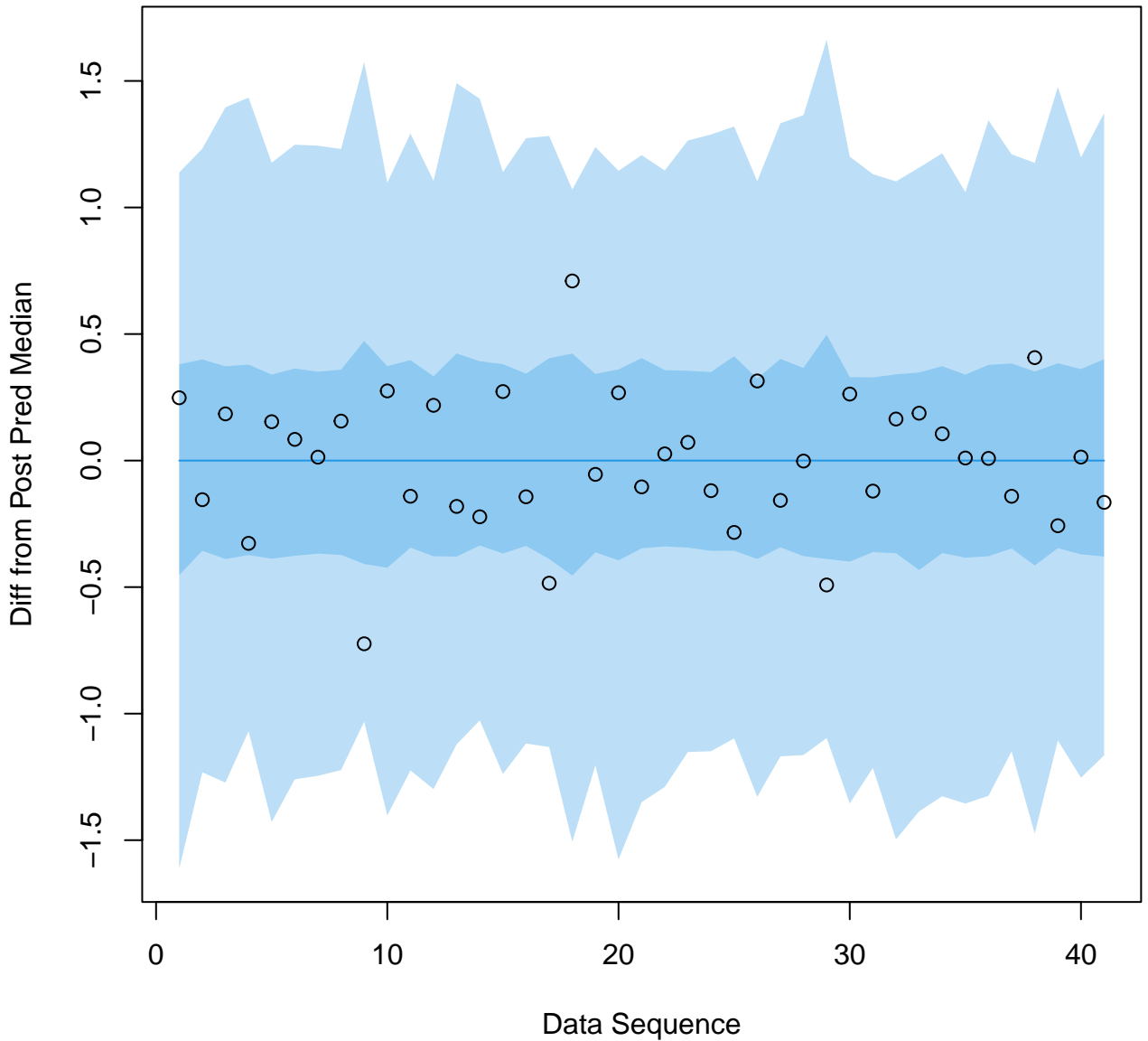




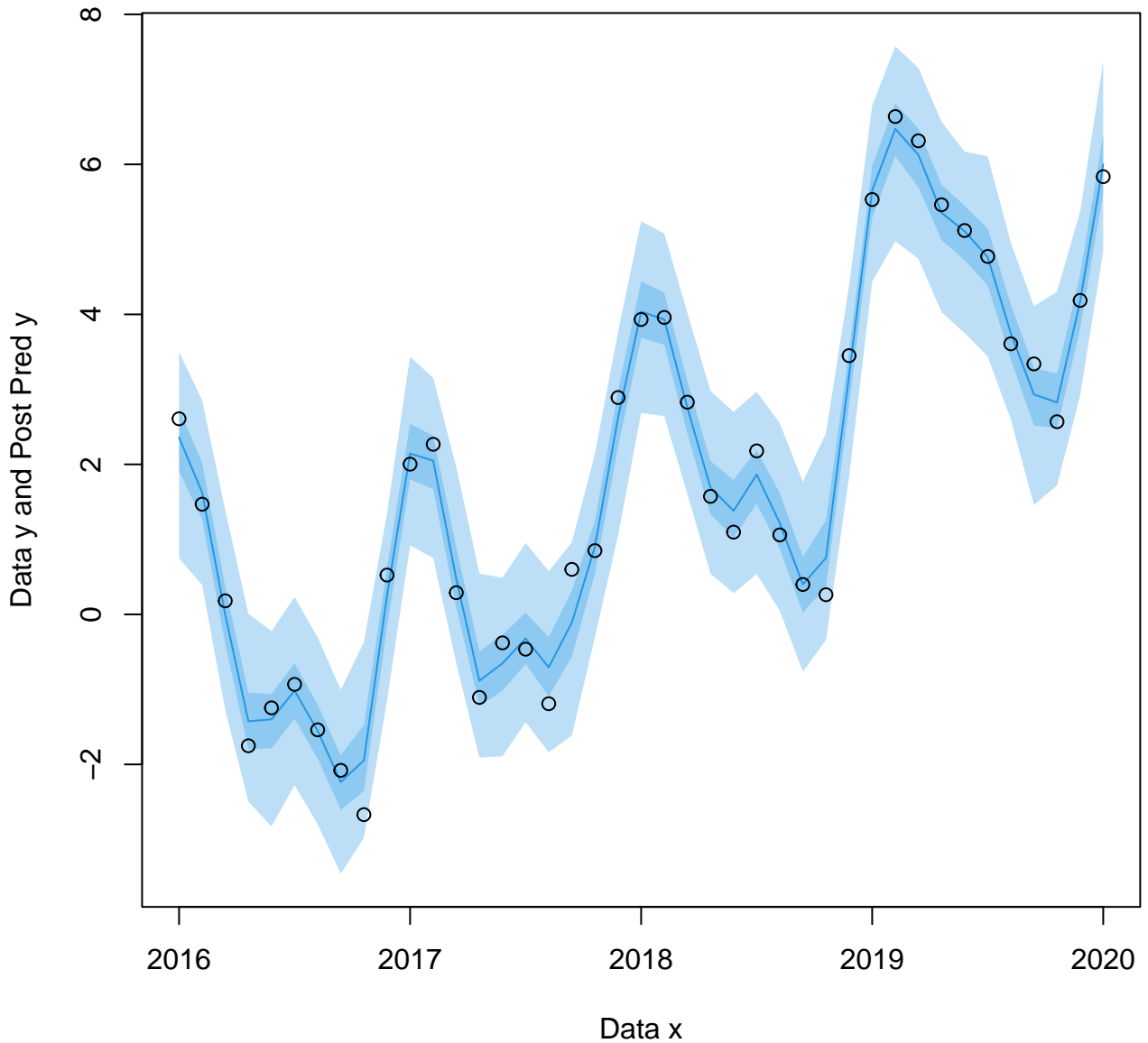
**Data y & Post Pred y
vs. Data Sequence**



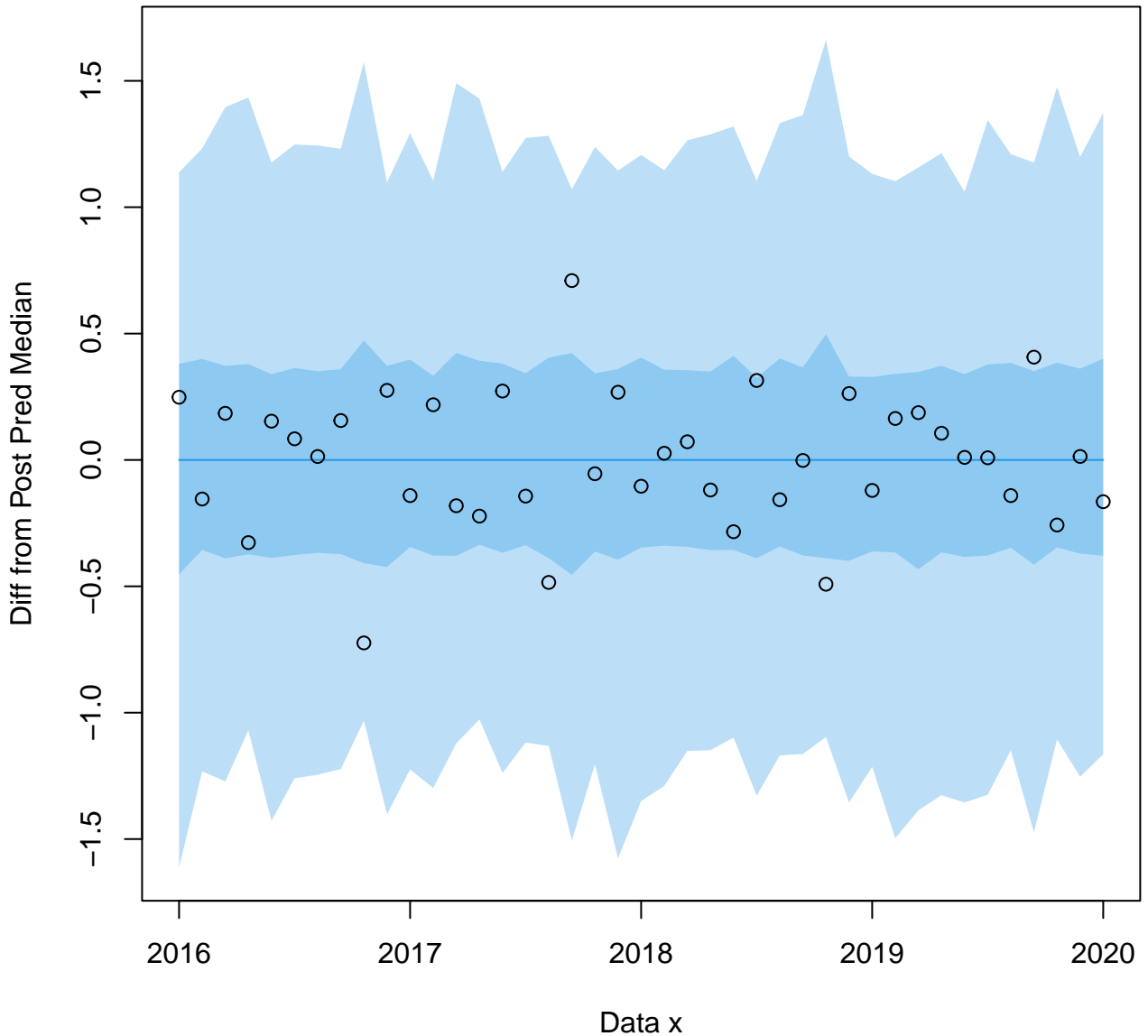
Residuals & PP Residual vs. Data Sequence



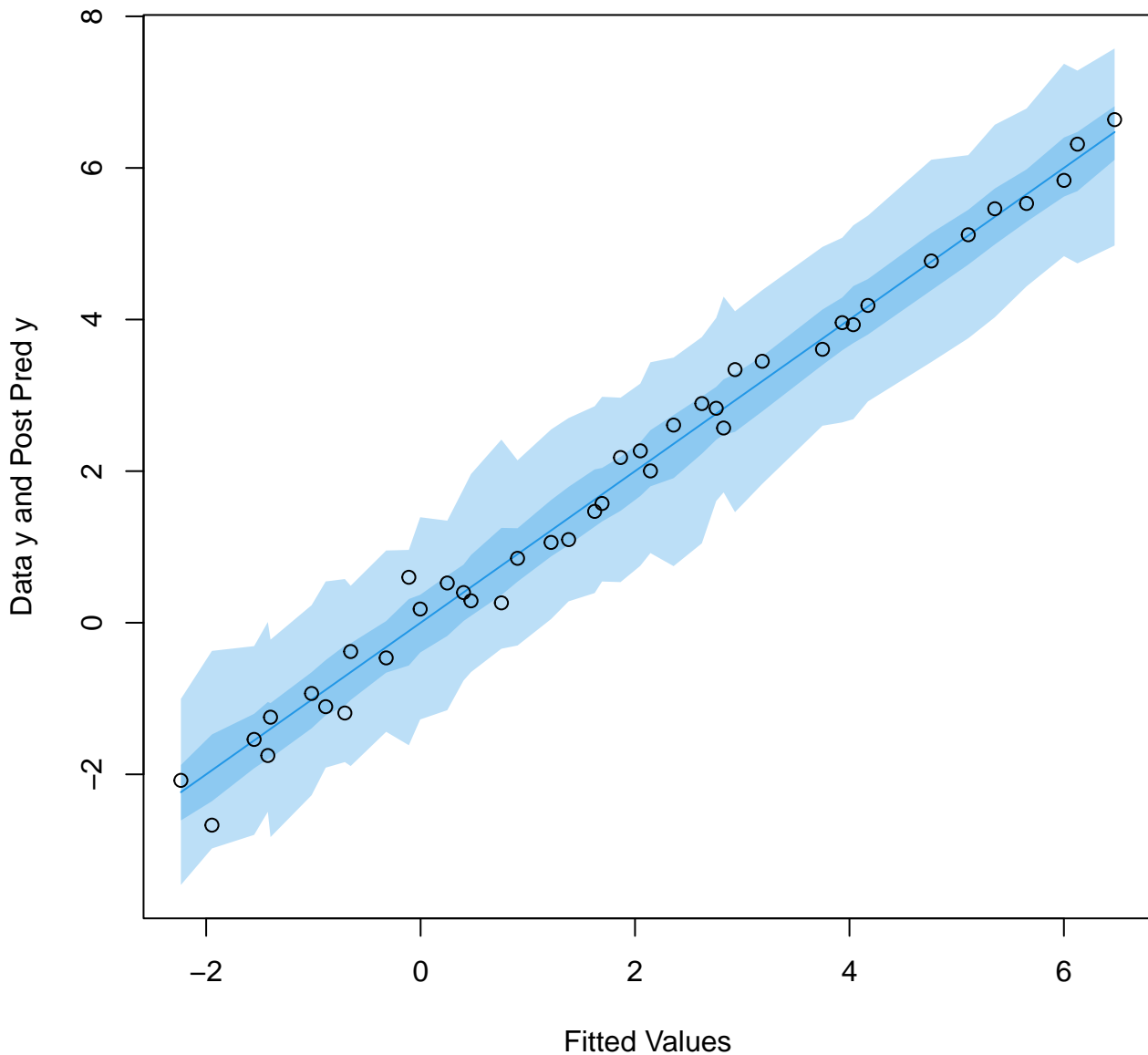
**Data y & Post Pred y
vs. Data x**



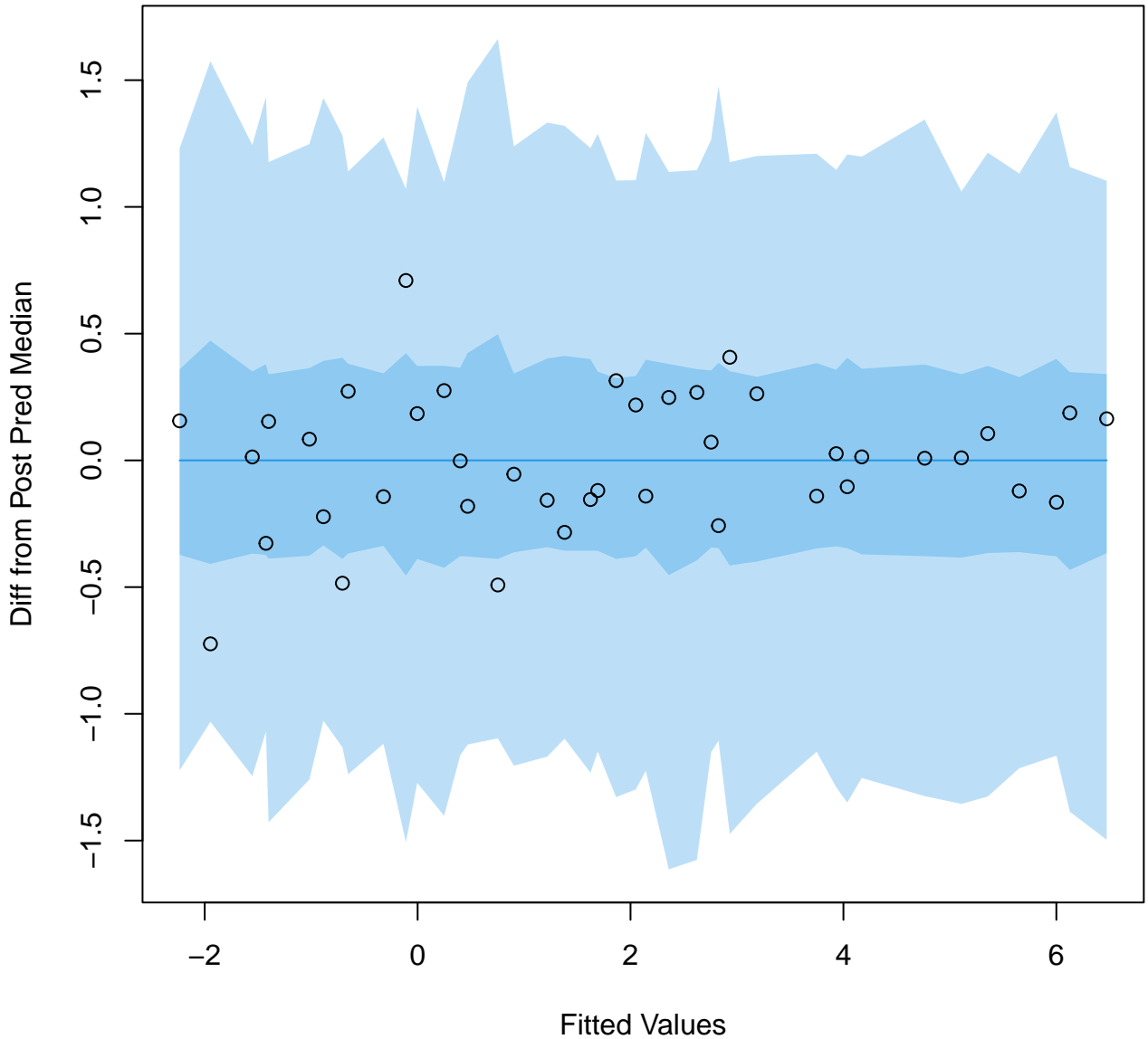
Residuals & PP Residual vs. Data x



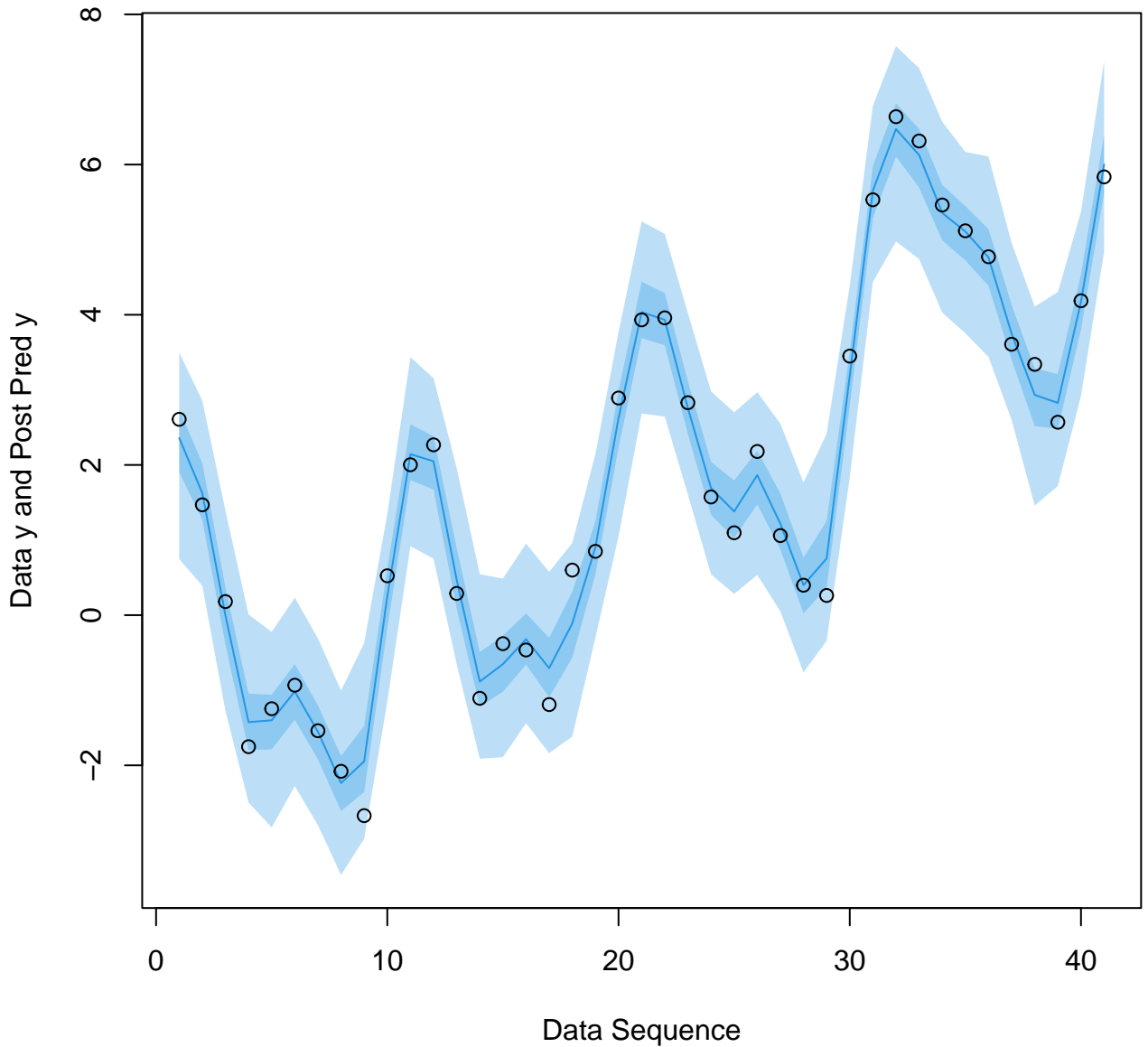
**Data y & Post Pred y
vs. Fitted Values**



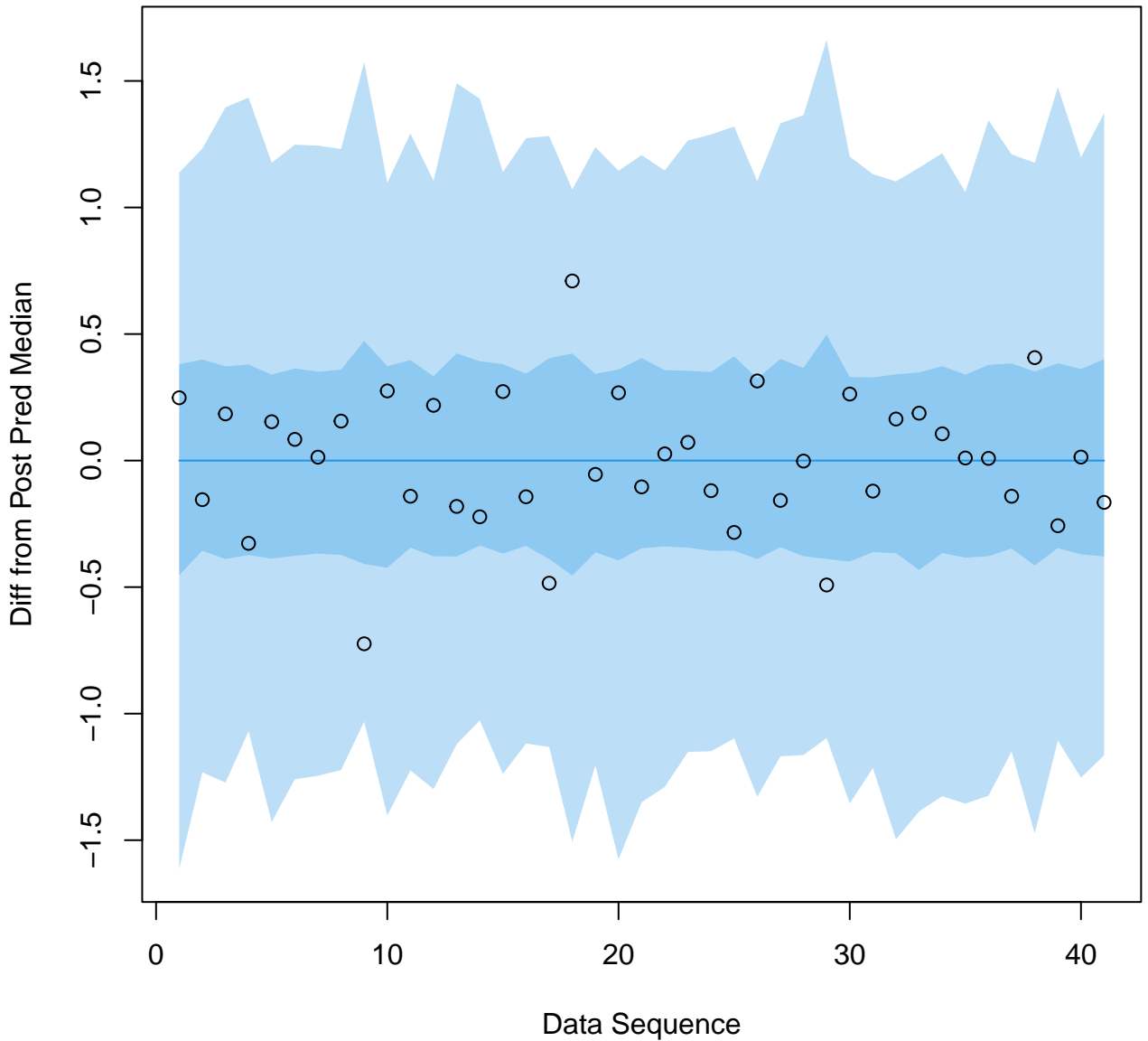
Residuals & PP Residual vs. Fitted Values

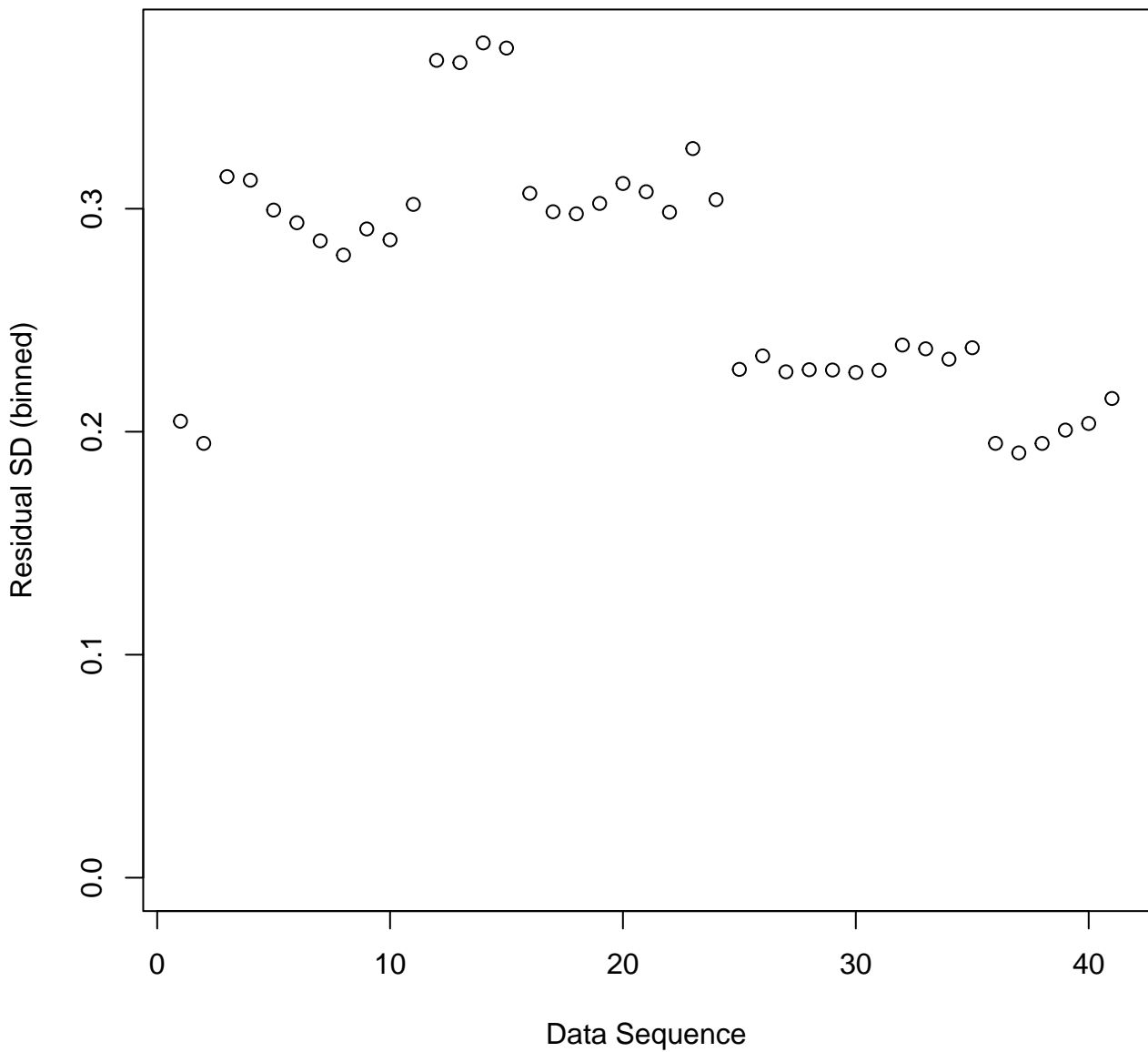


**Data y & Post Pred y
vs. Data Sequence**

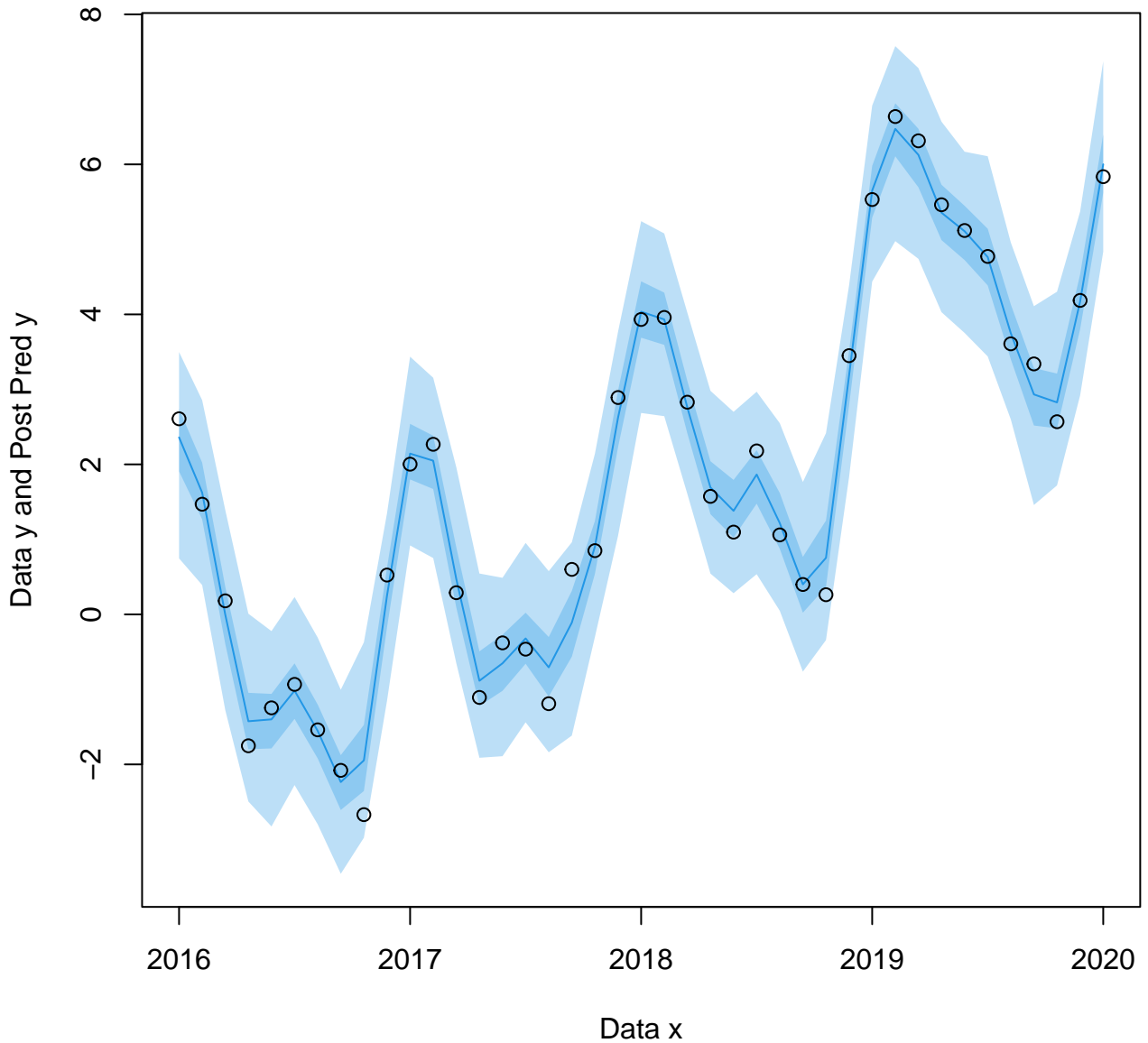


Residuals & PP Residual vs. Data Sequence

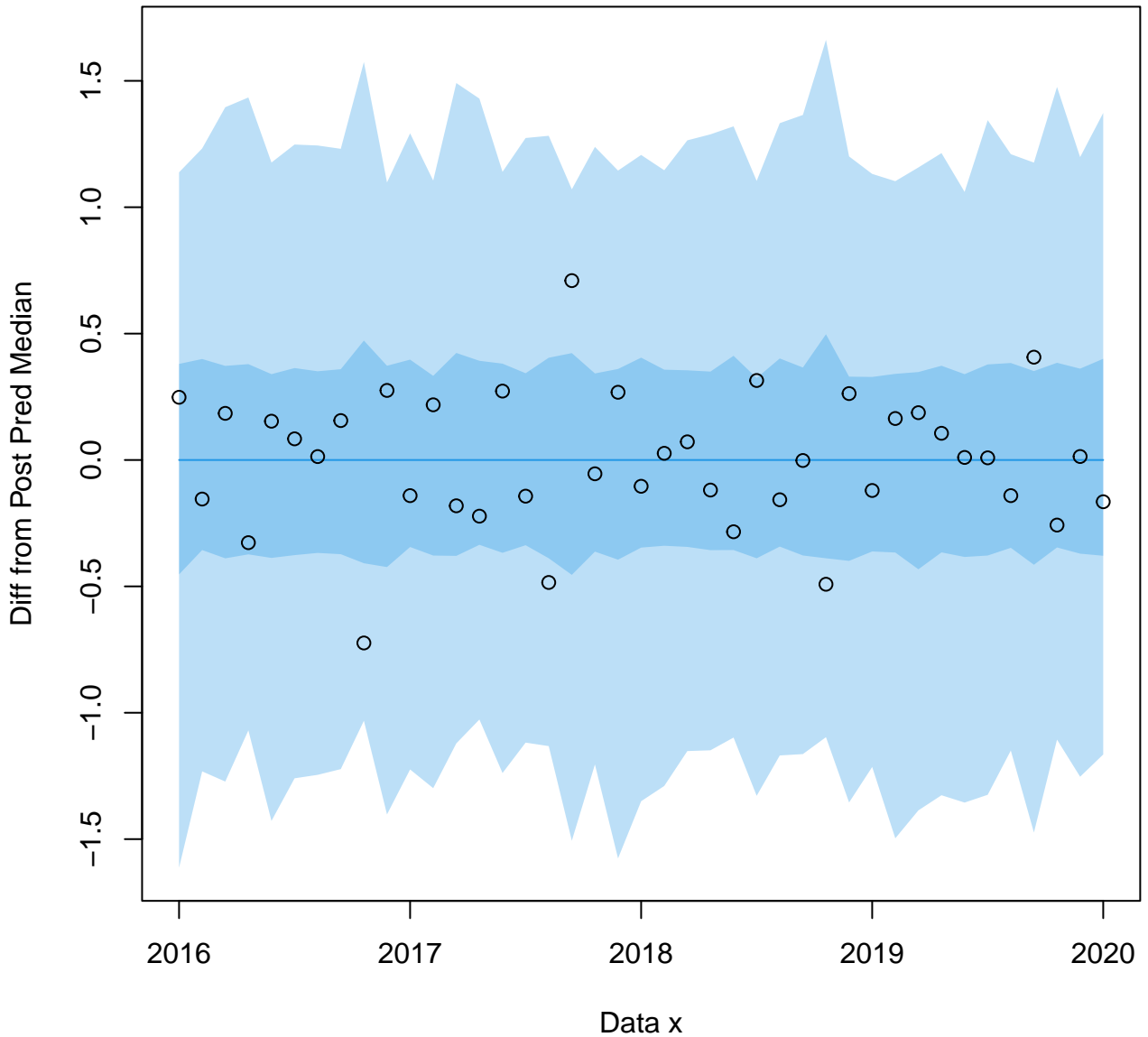


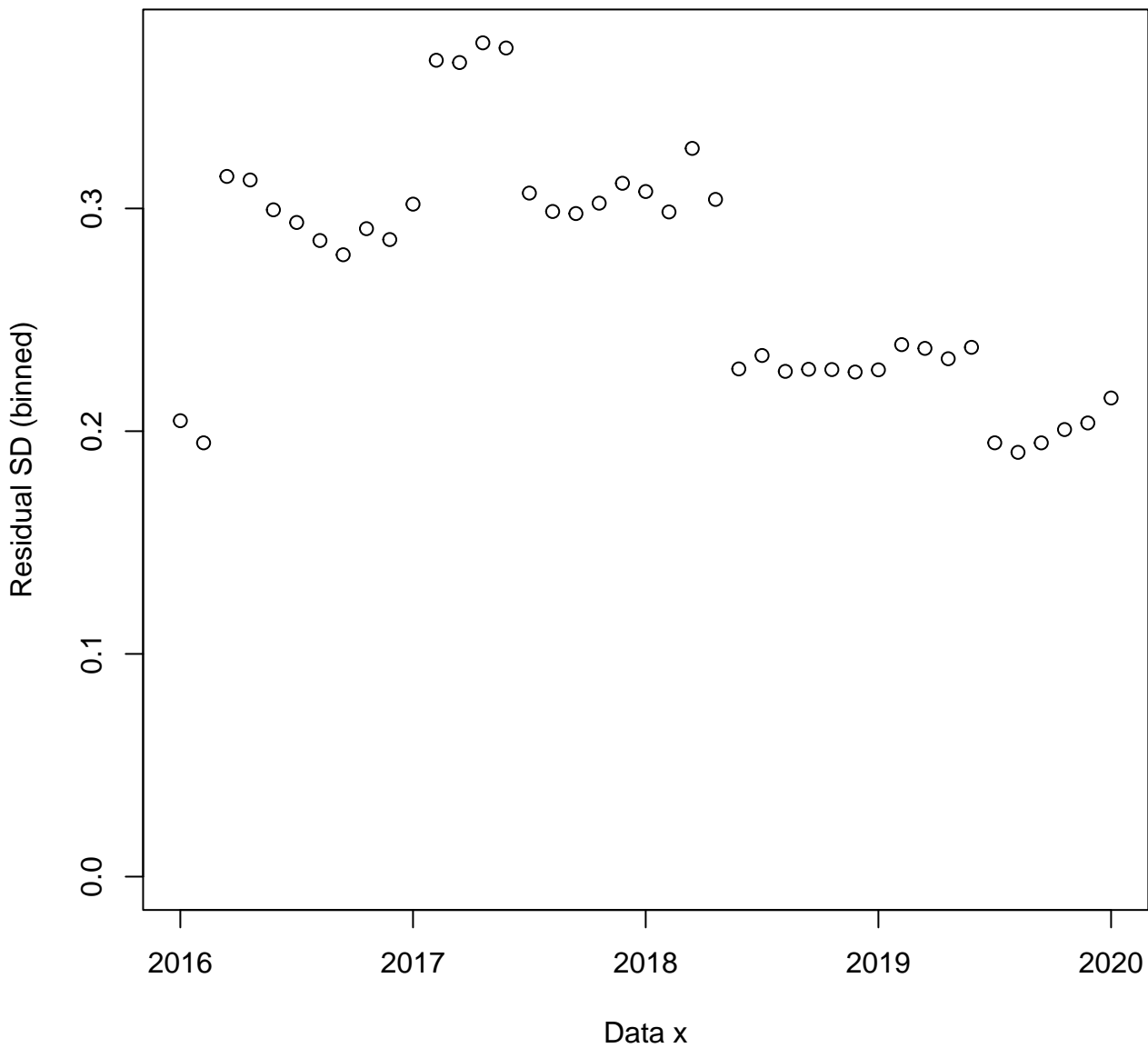


**Data y & Post Pred y
vs. Data x**

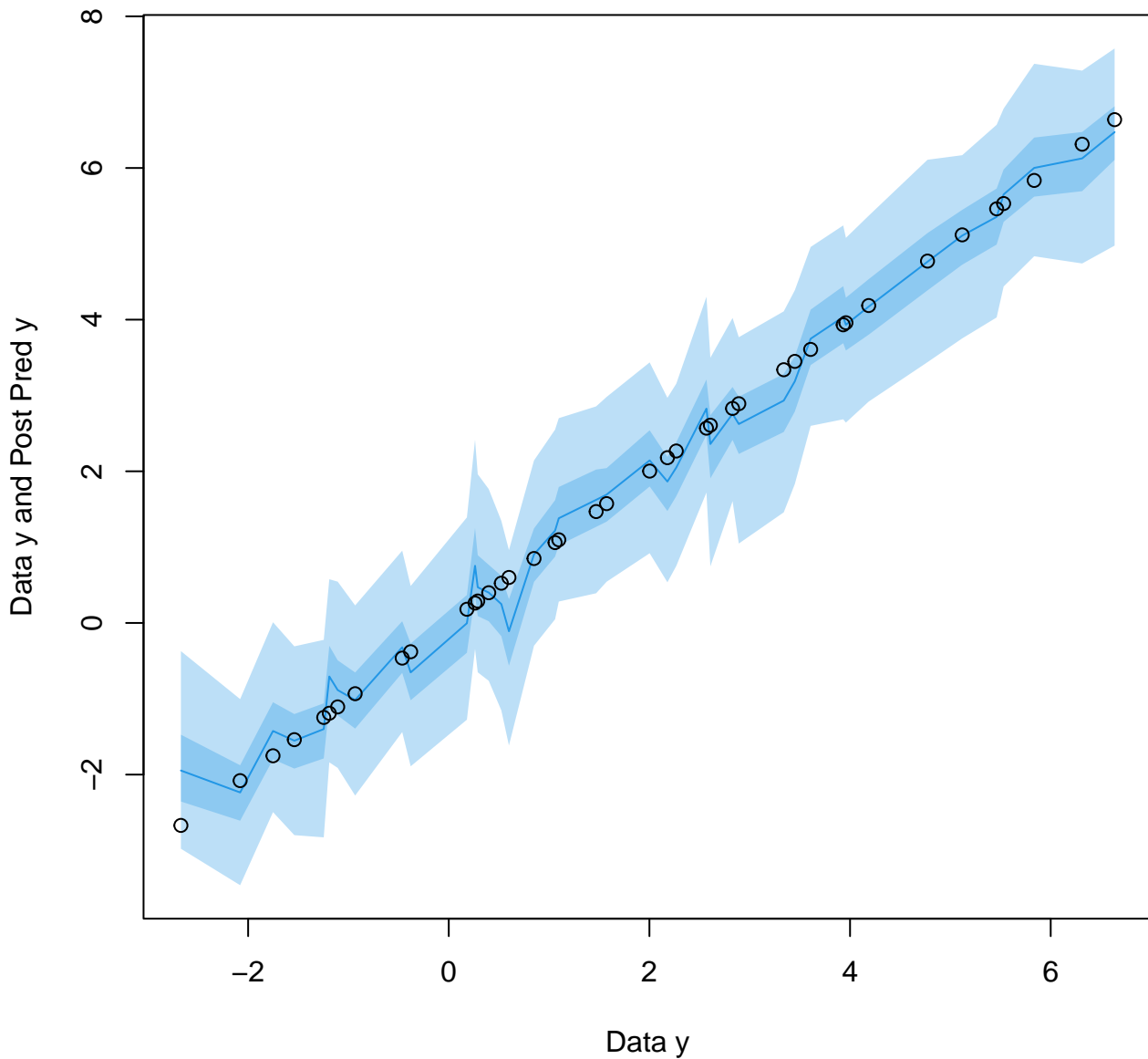


Residuals & PP Residual vs. Data x

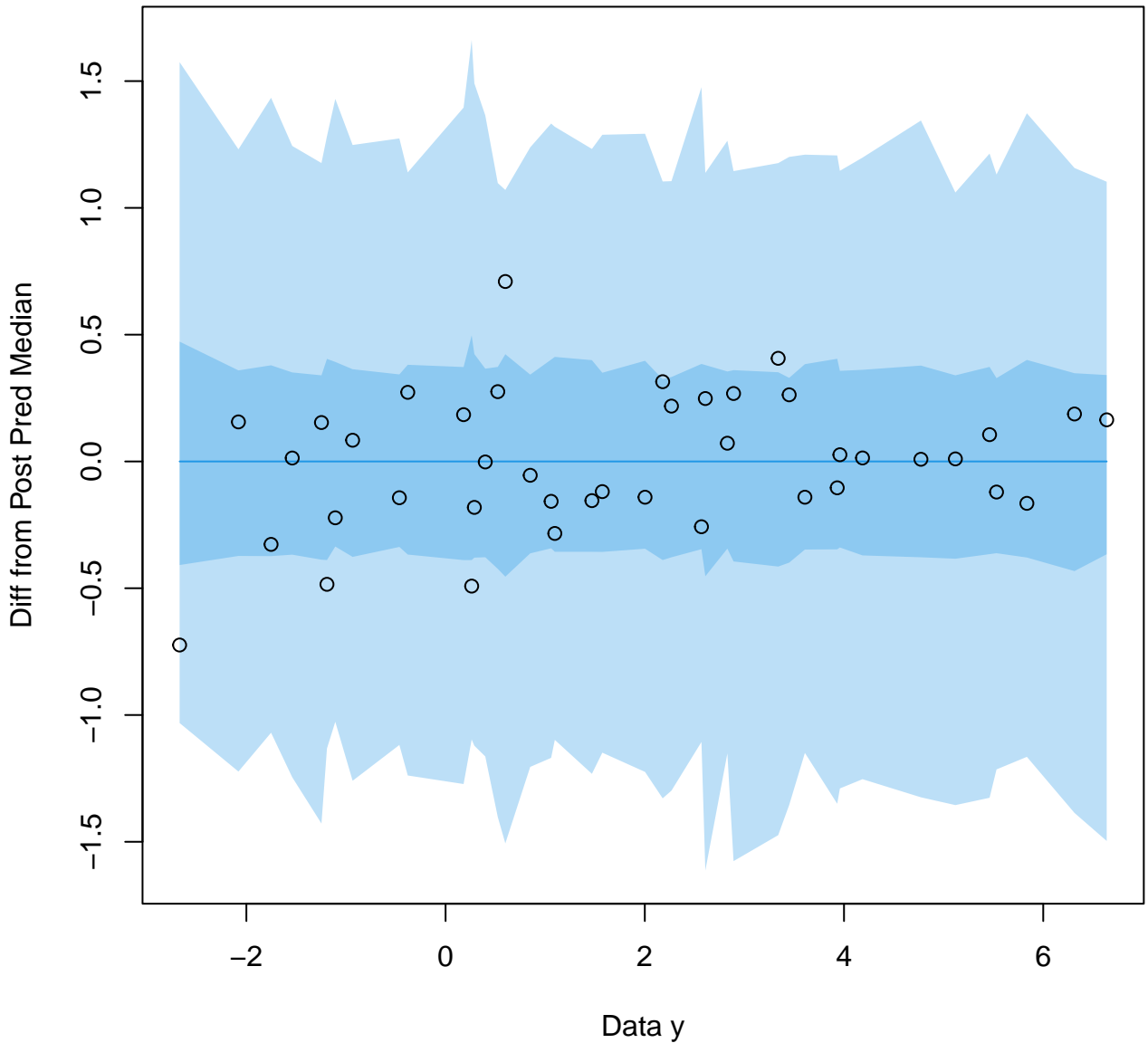


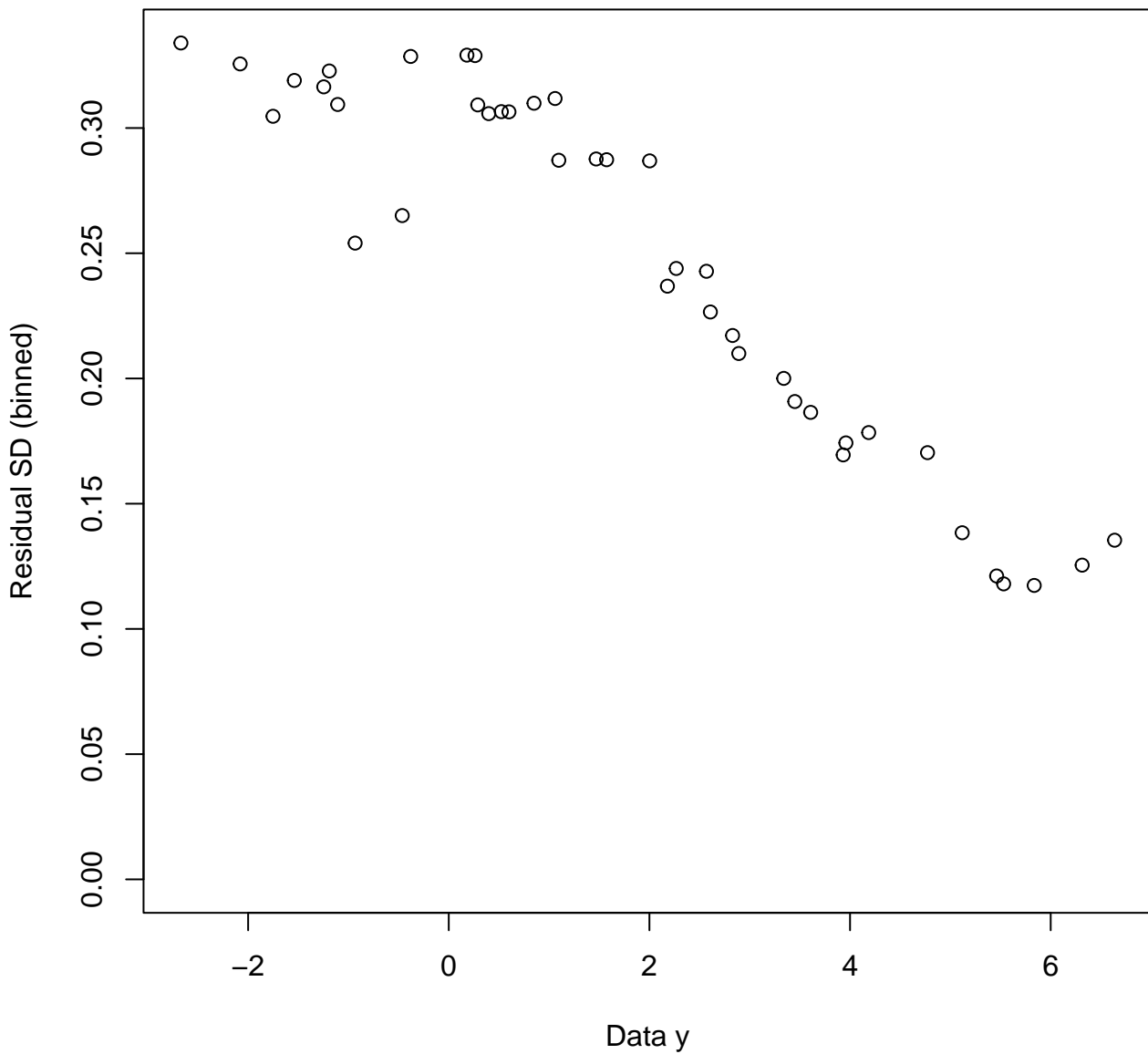


**Data y & Post Pred y
vs. Data y**

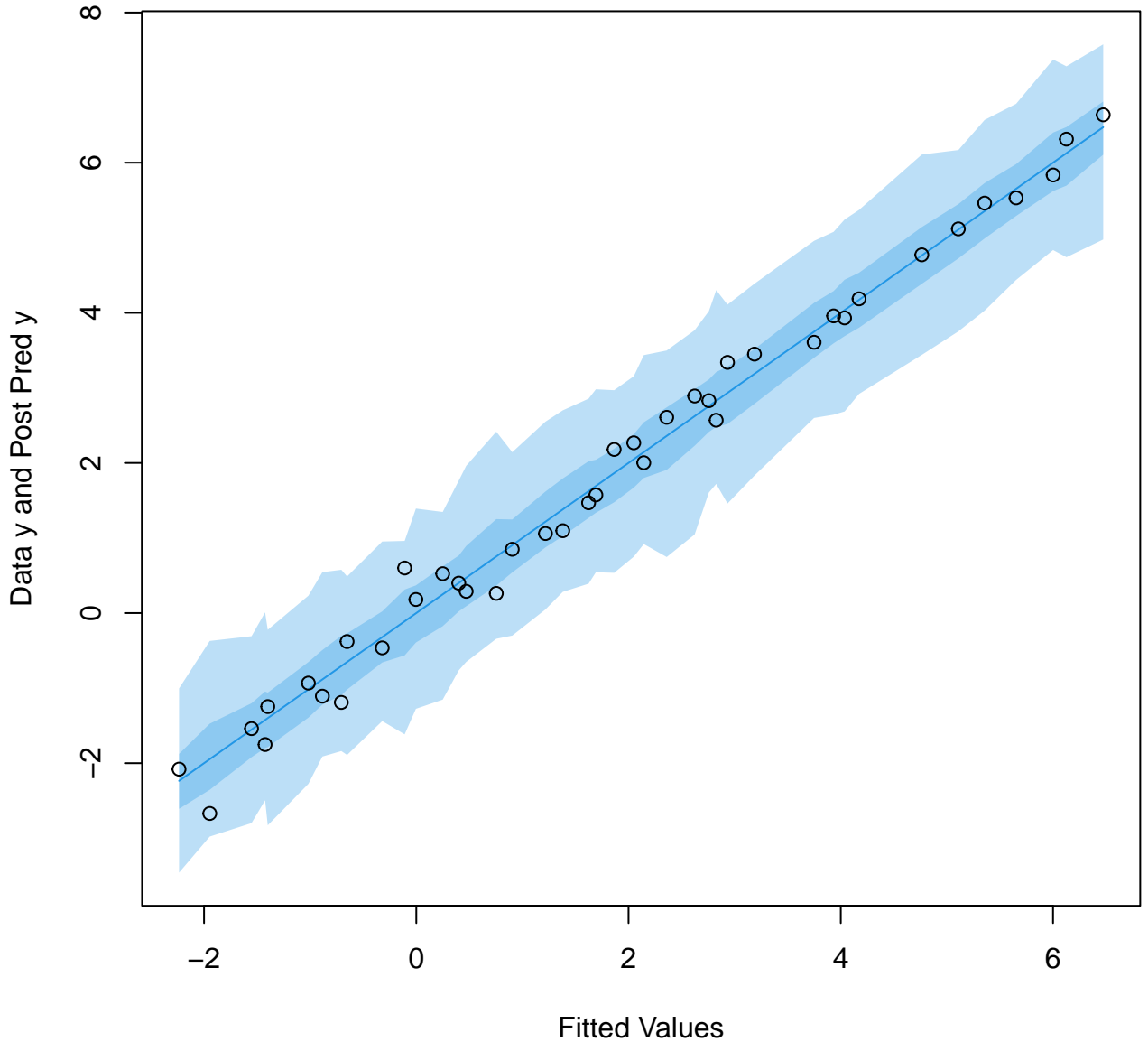


Residuals & PP Residual vs. Data y

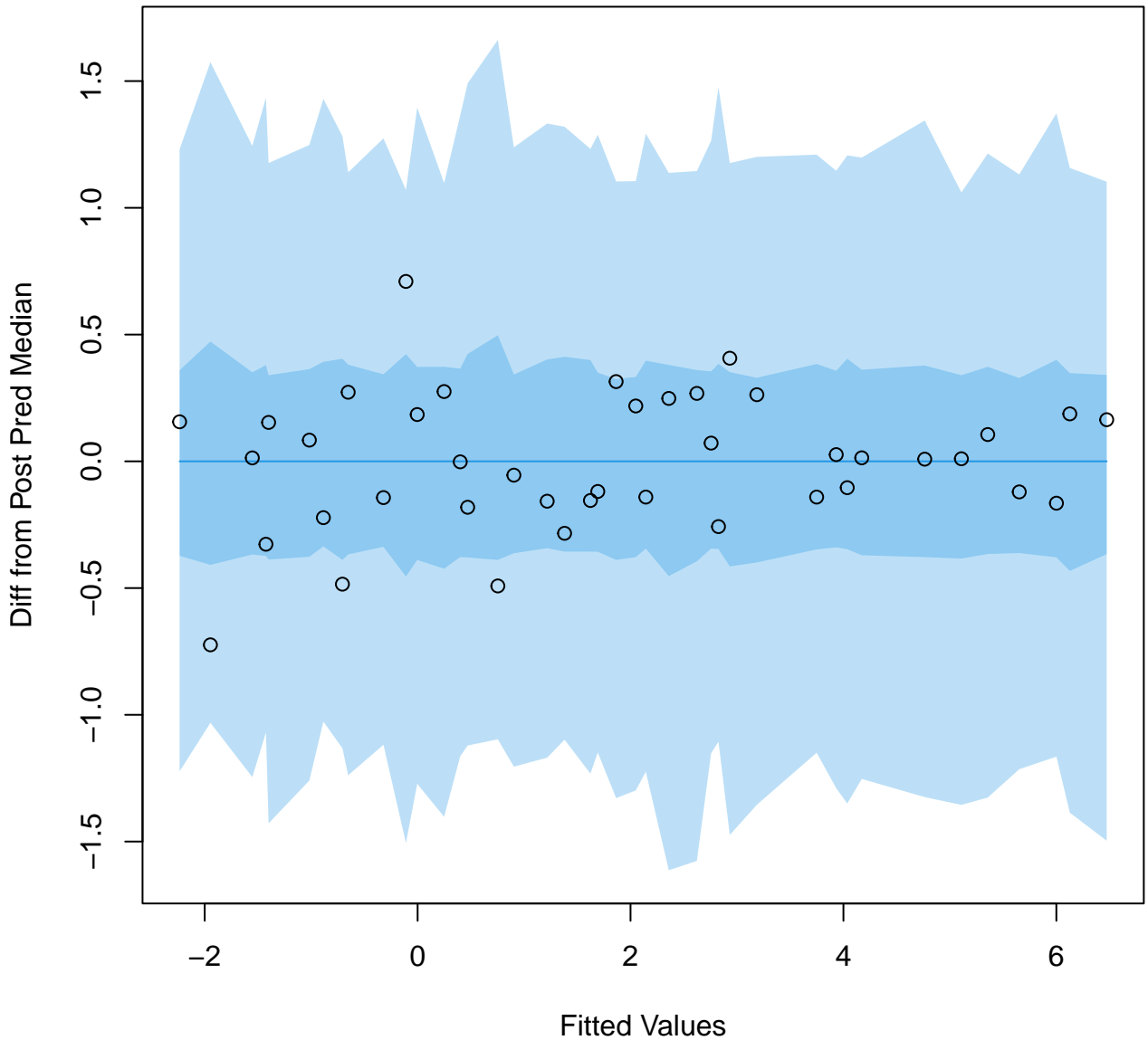


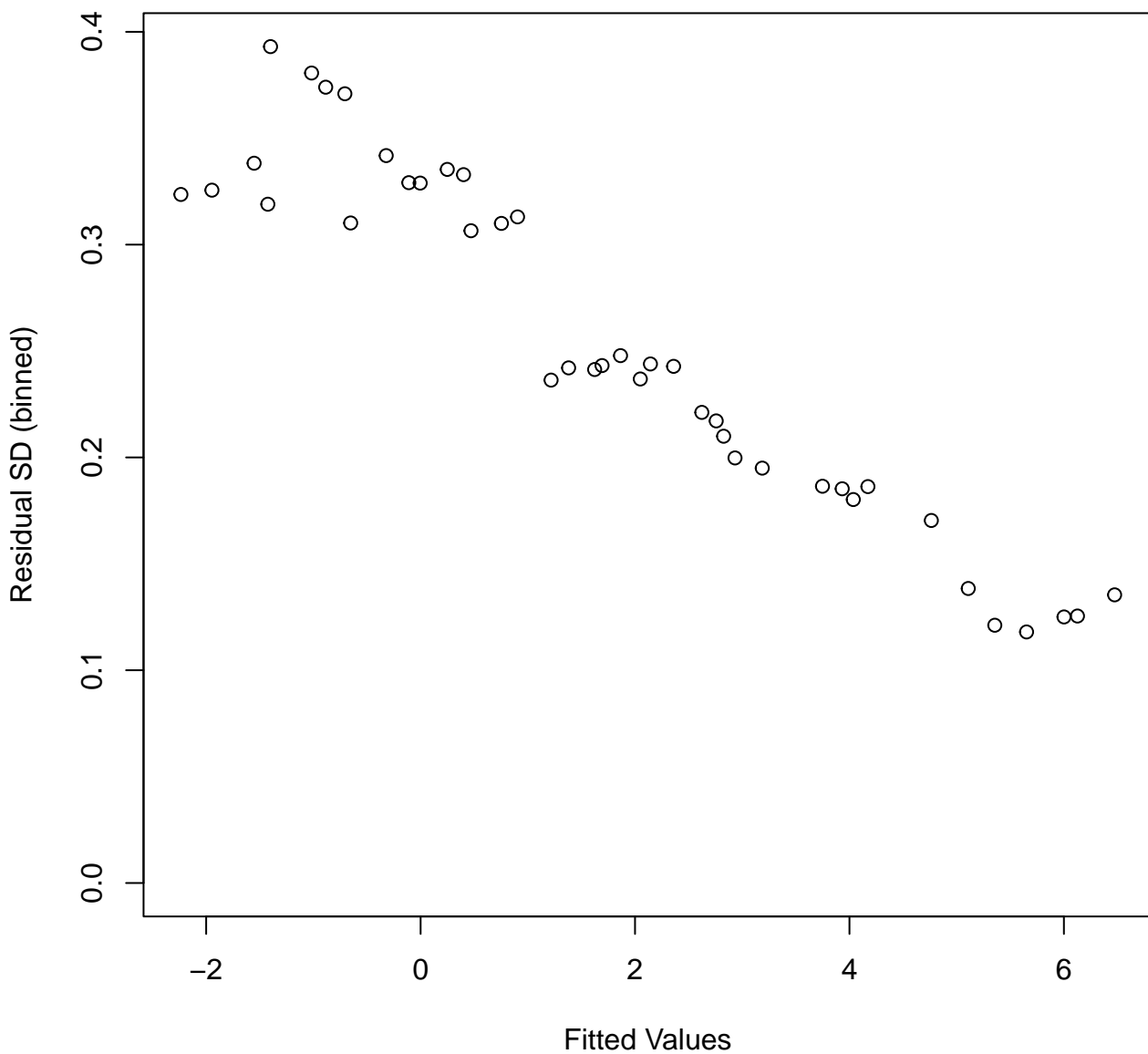


**Data y & Post Pred y
vs. Fitted Values**

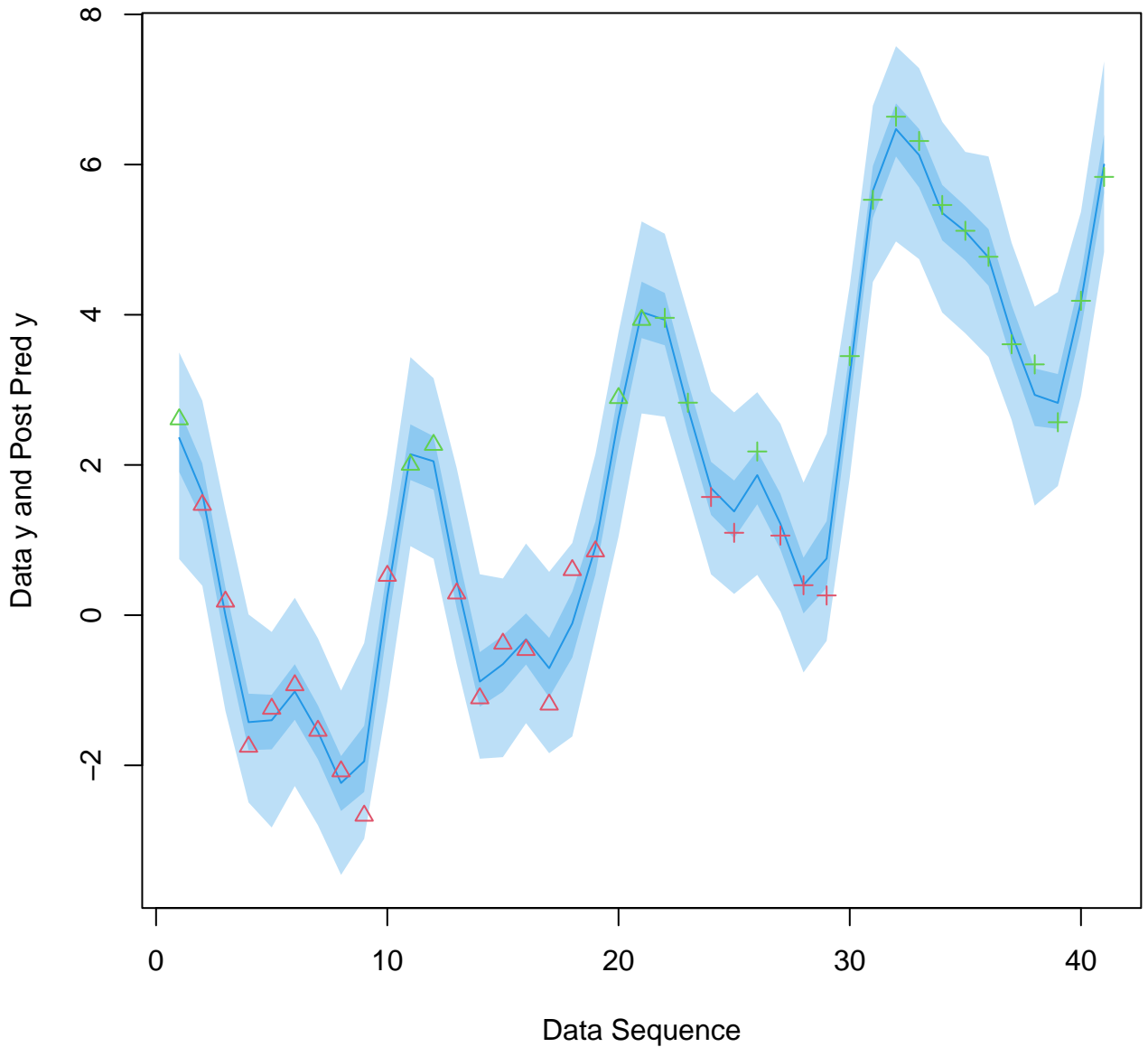


Residuals & PP Residual vs. Fitted Values

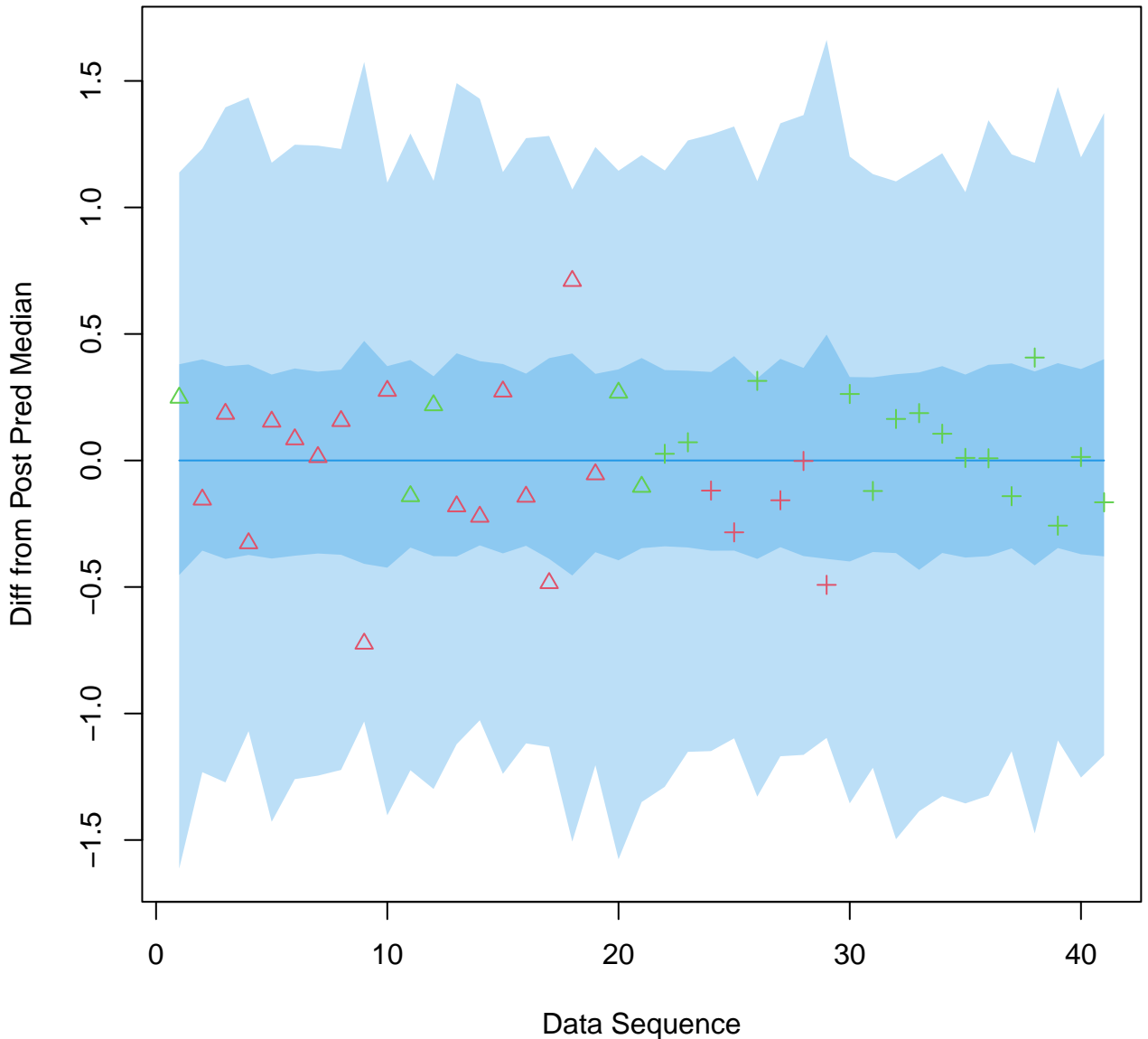


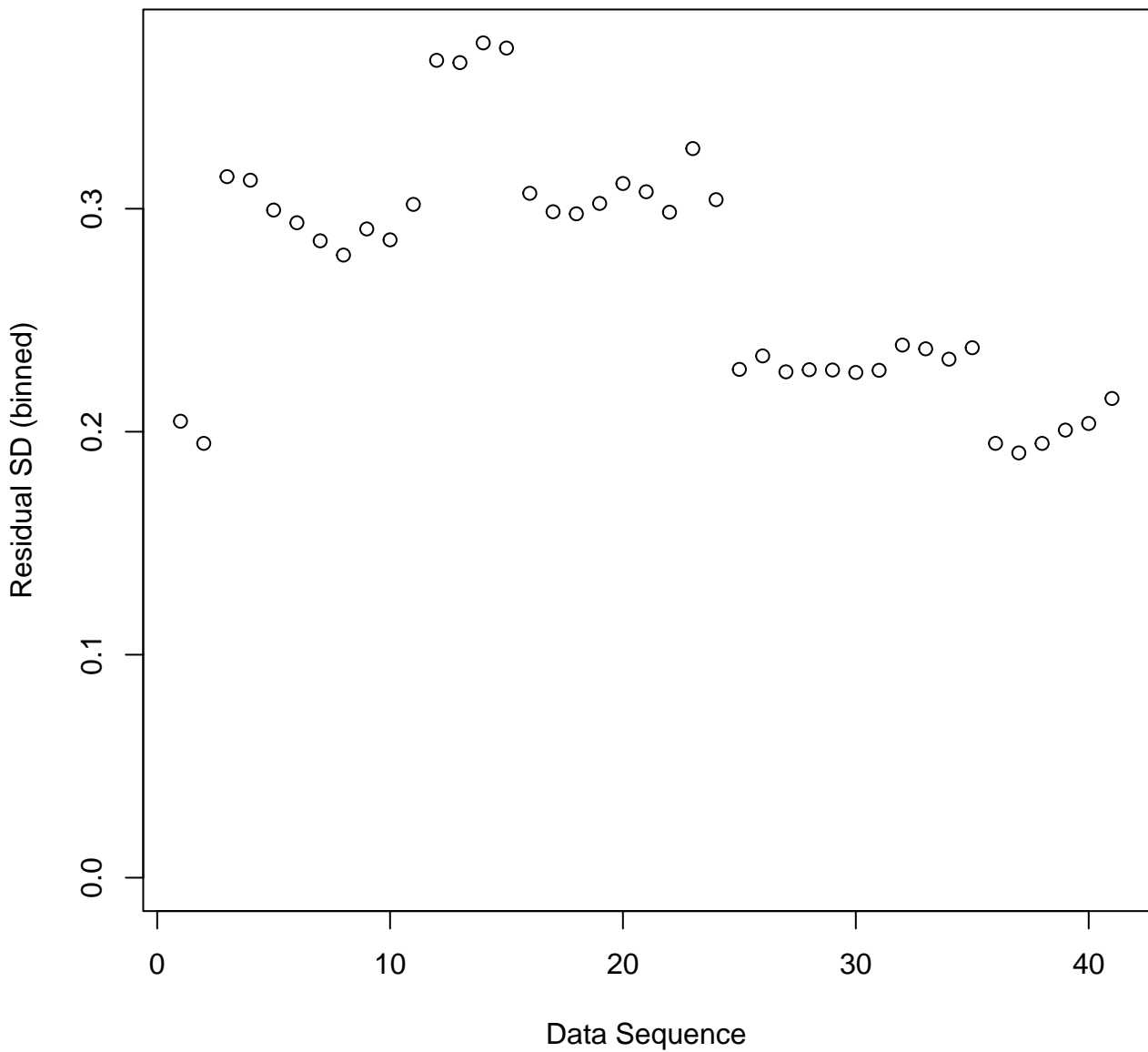


**Data y & Post Pred y
vs. Data Sequence**

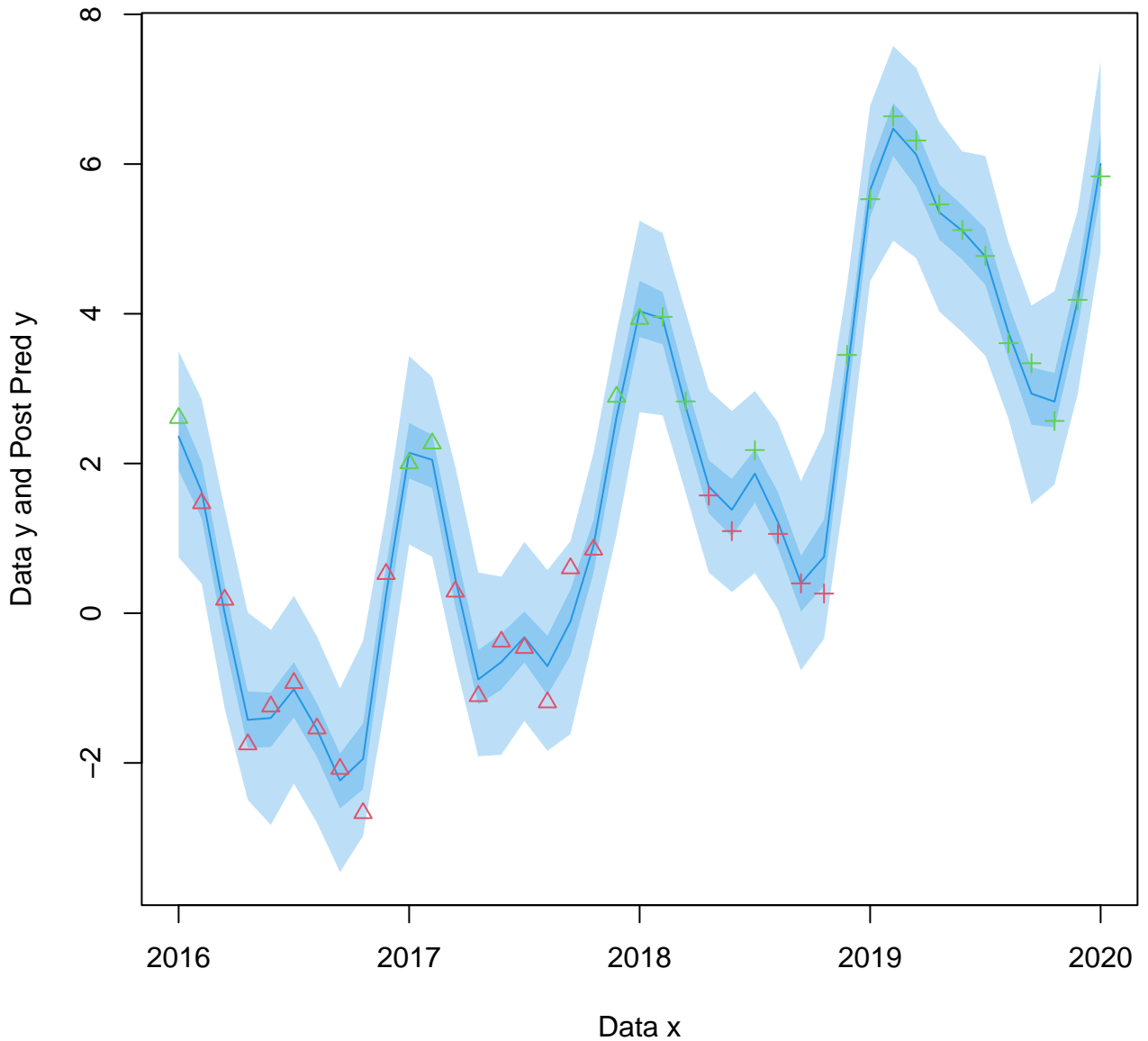


Residuals & PP Residual vs. Data Sequence

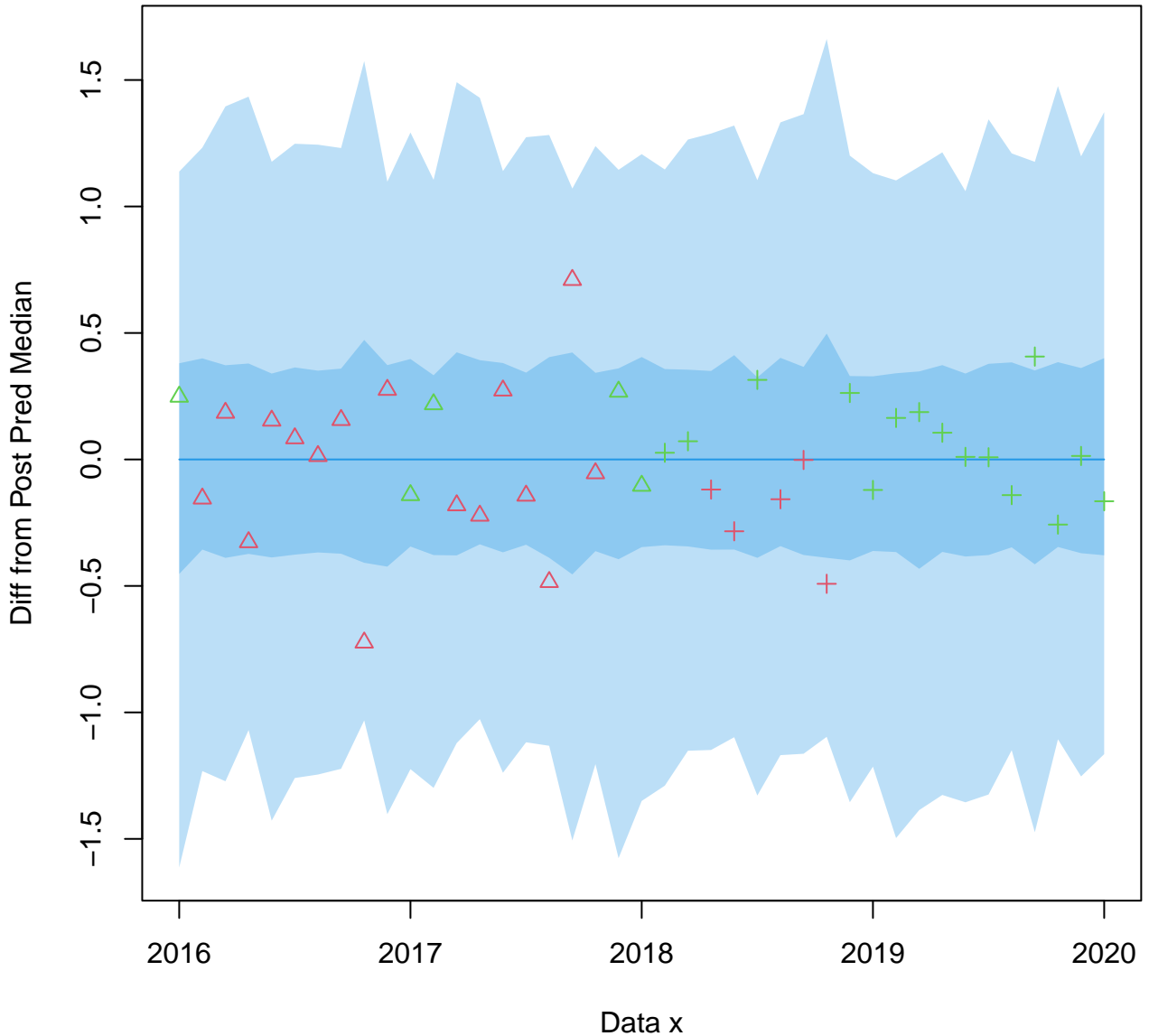


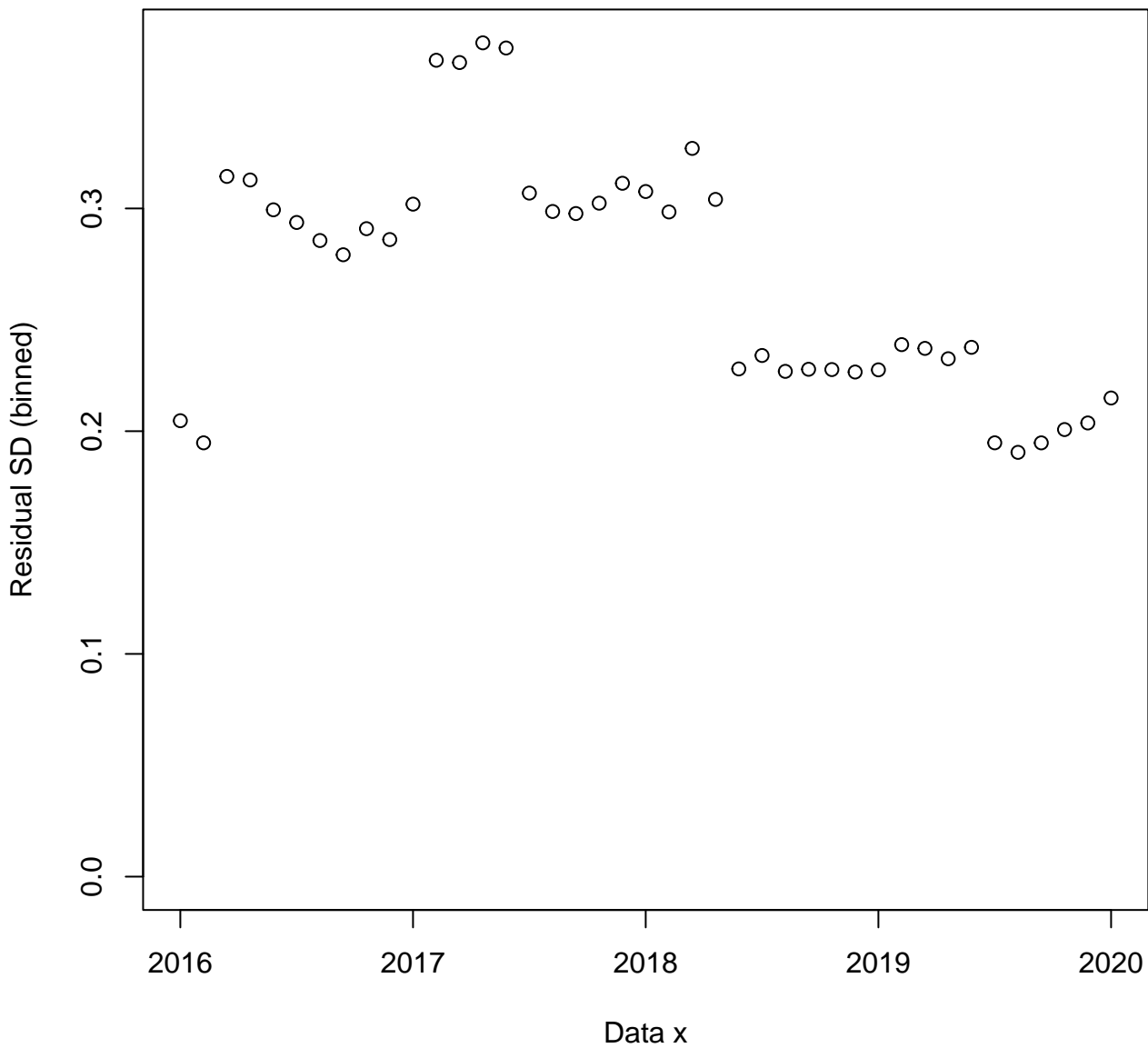


**Data y & Post Pred y
vs. Data x**

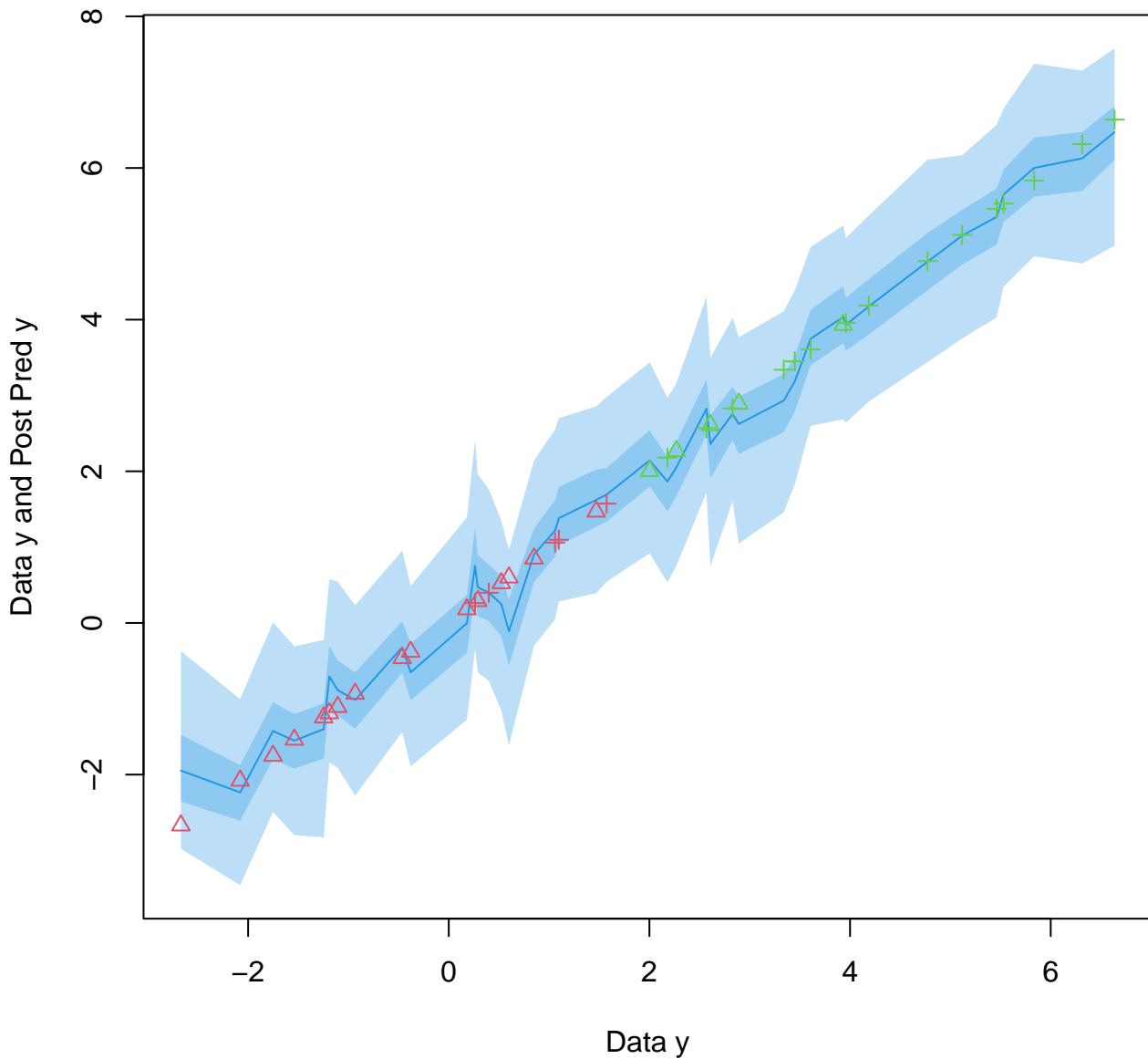


Residuals & PP Residual vs. Data x

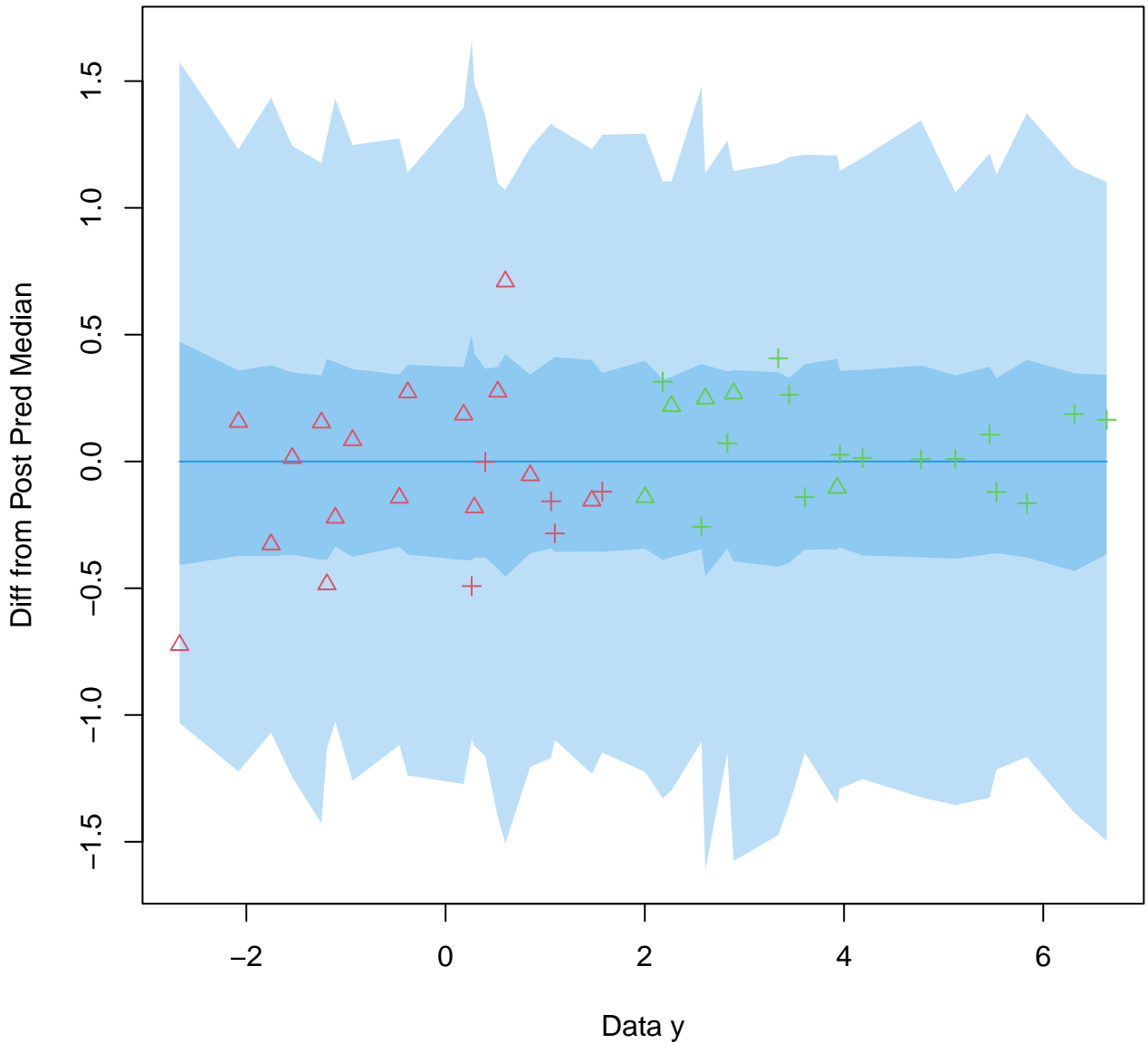


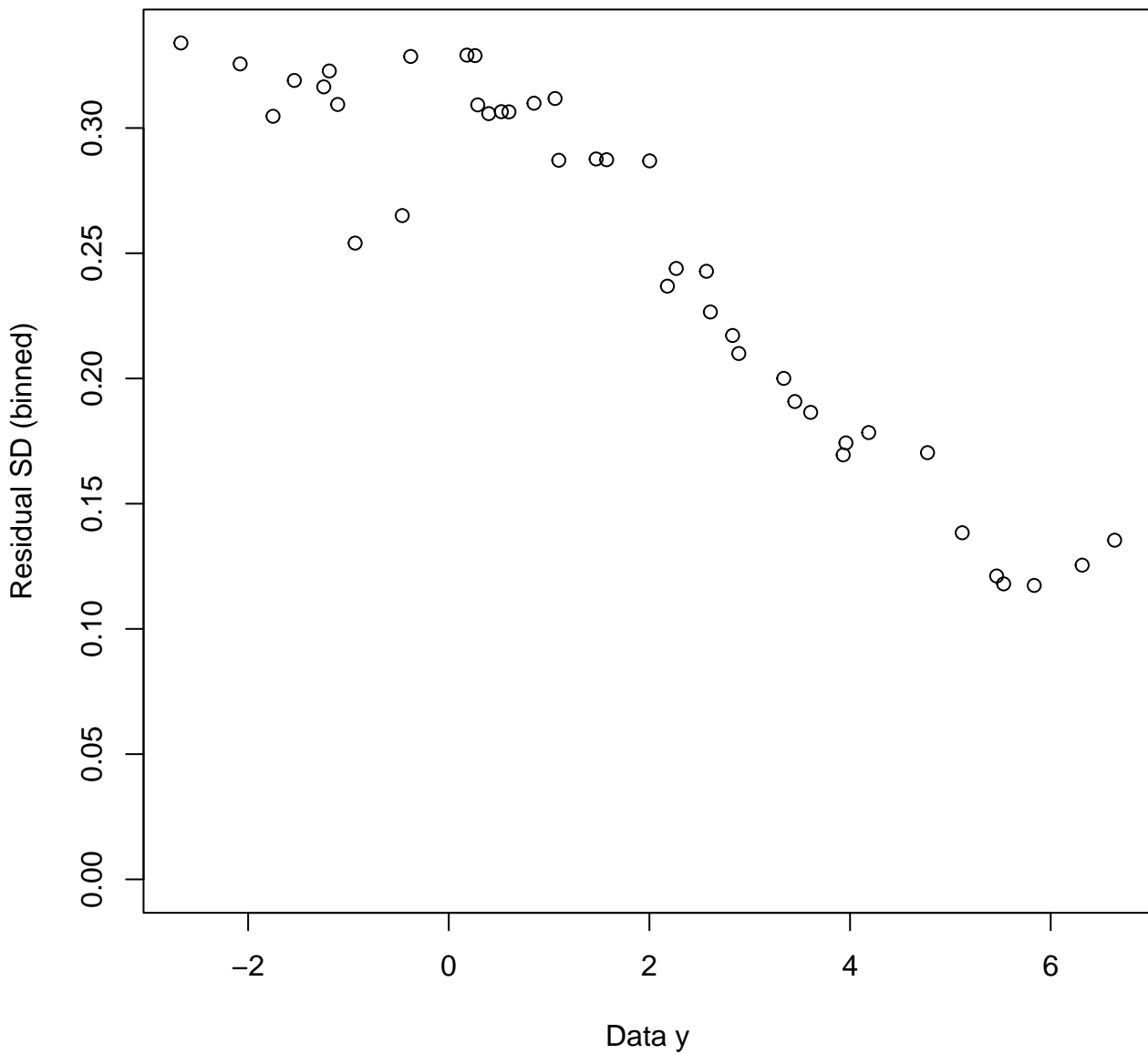


**Data y & Post Pred y
vs. Data y**

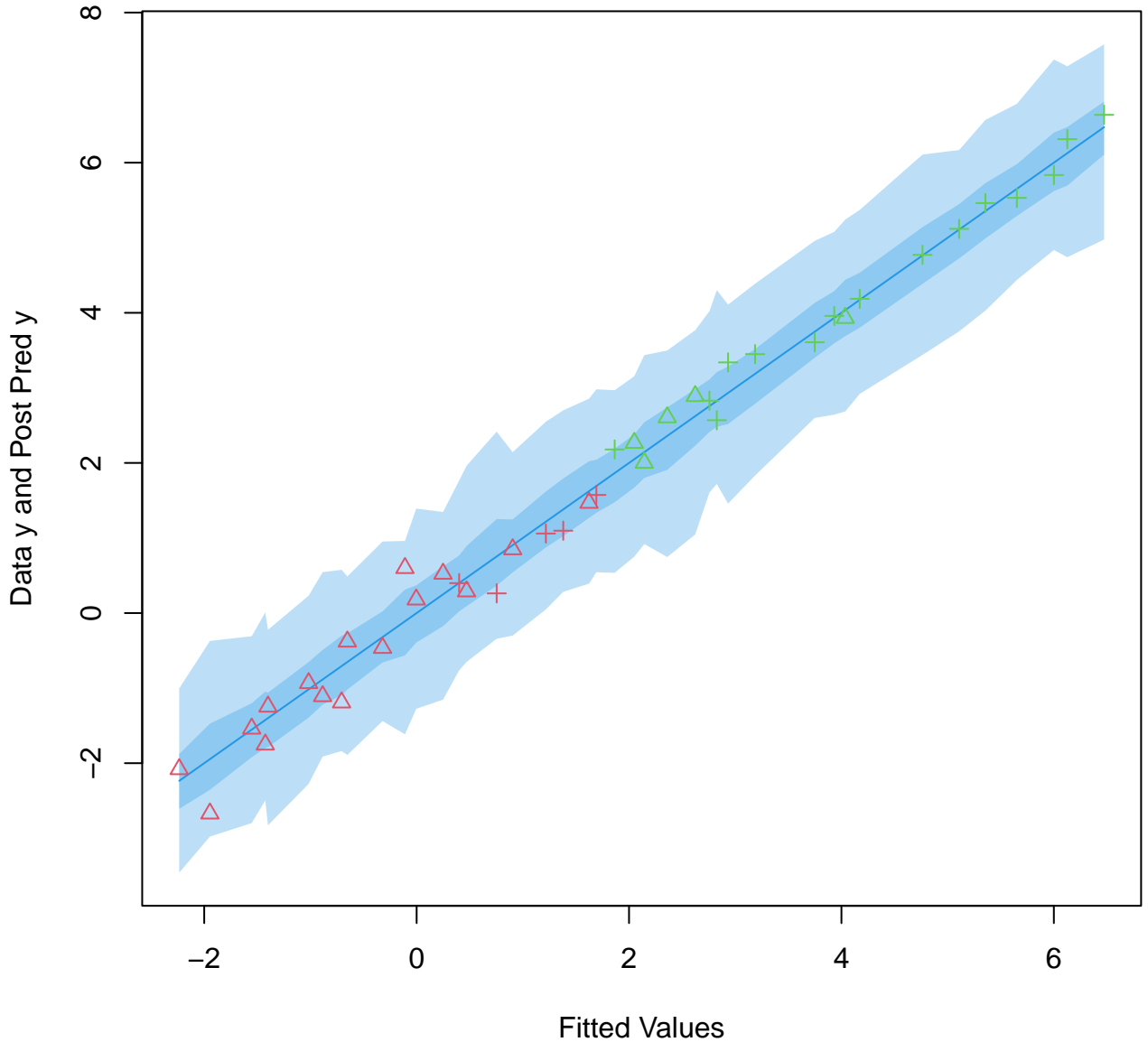


Residuals & PP Residual vs. Data y

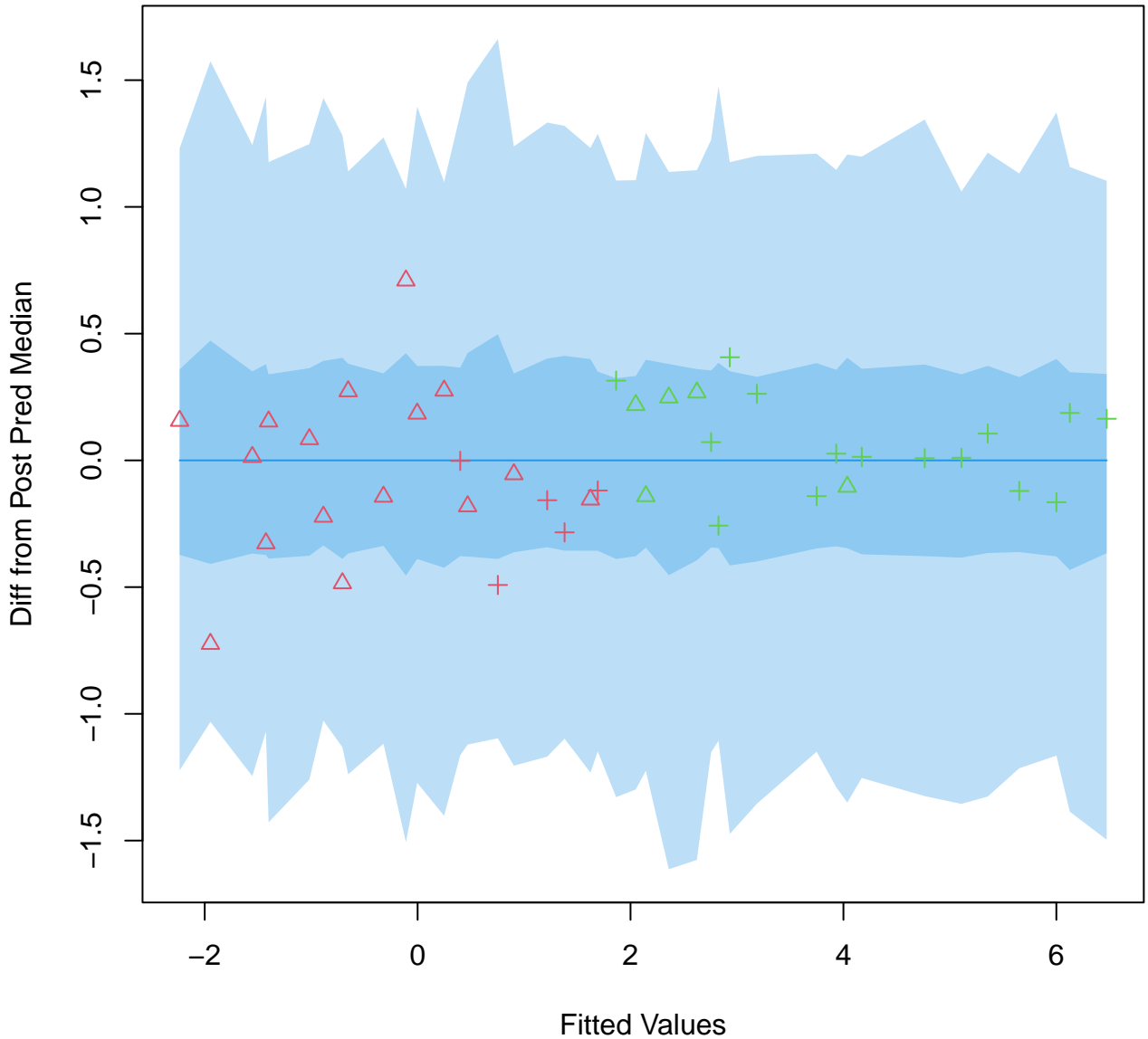


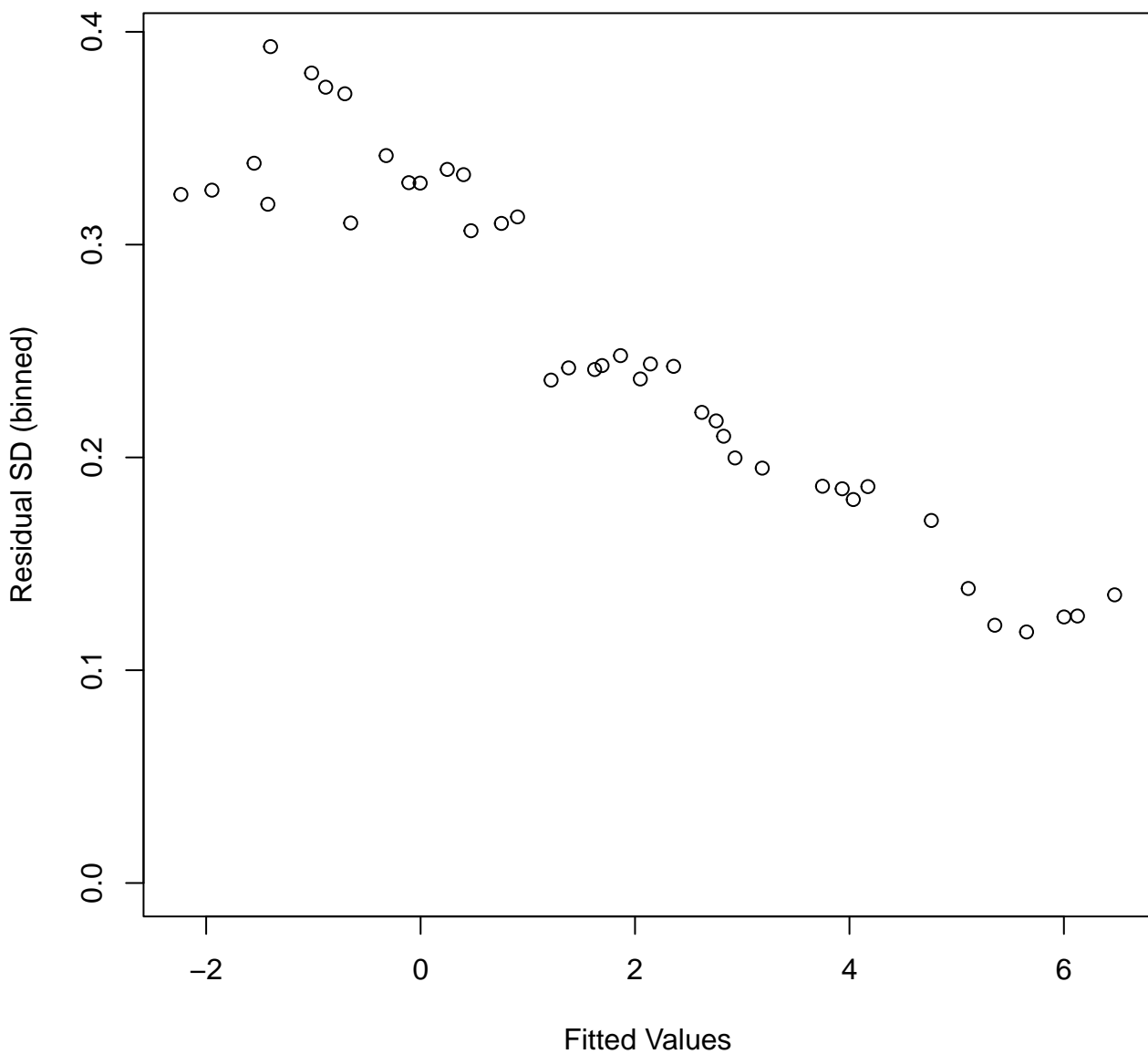


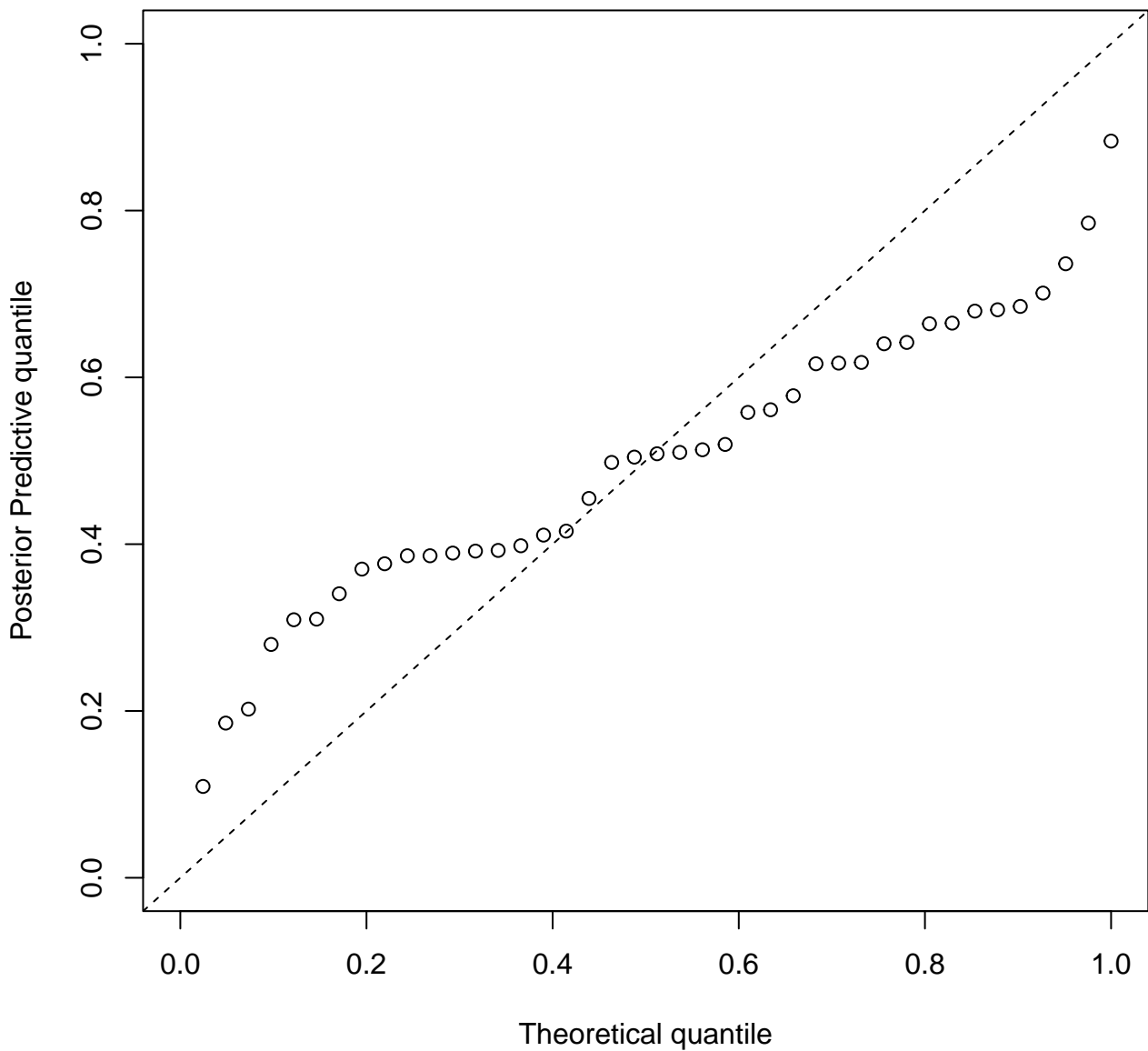
**Data y & Post Pred y
vs. Fitted Values**

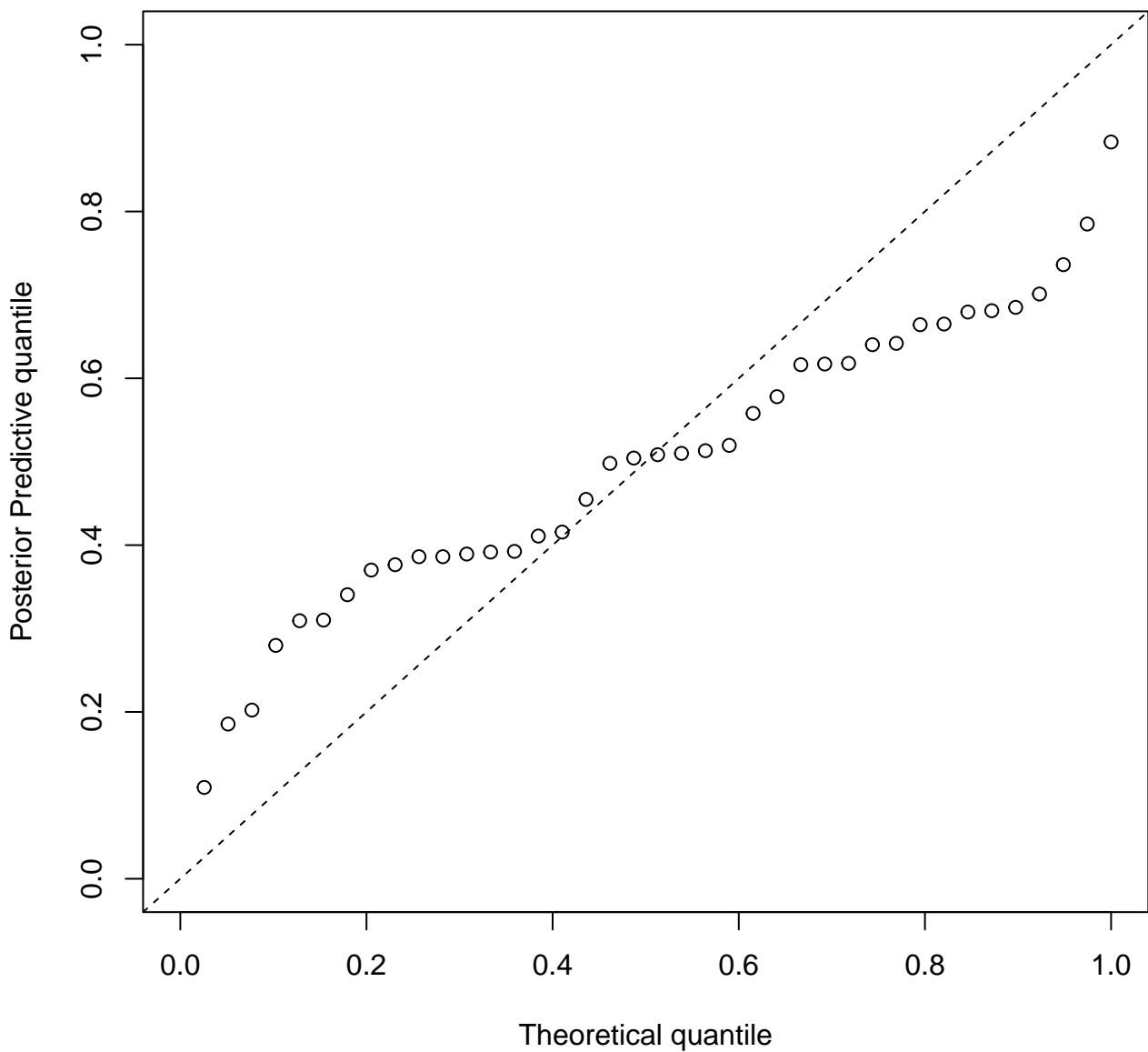


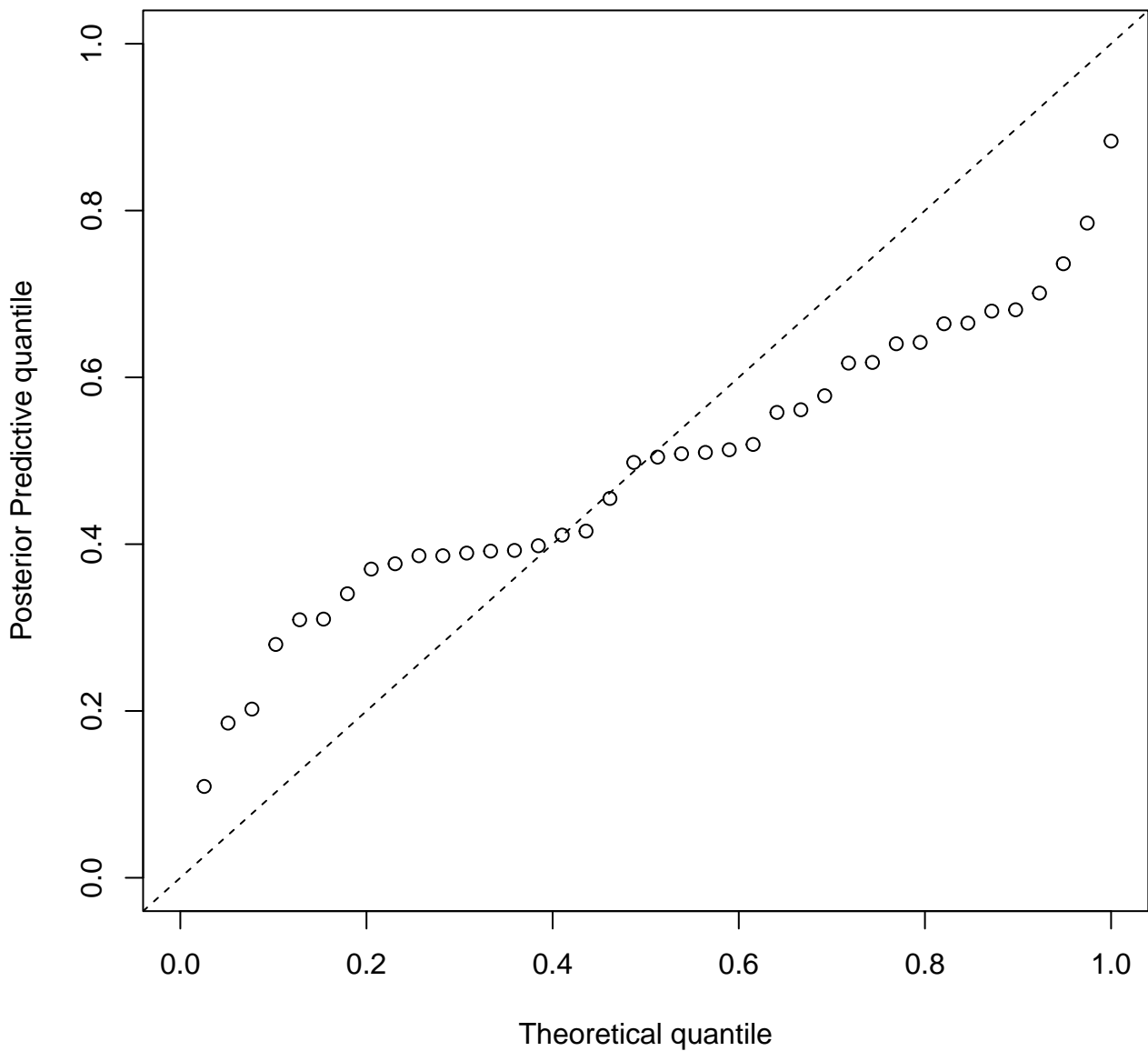
Residuals & PP Residual vs. Fitted Values

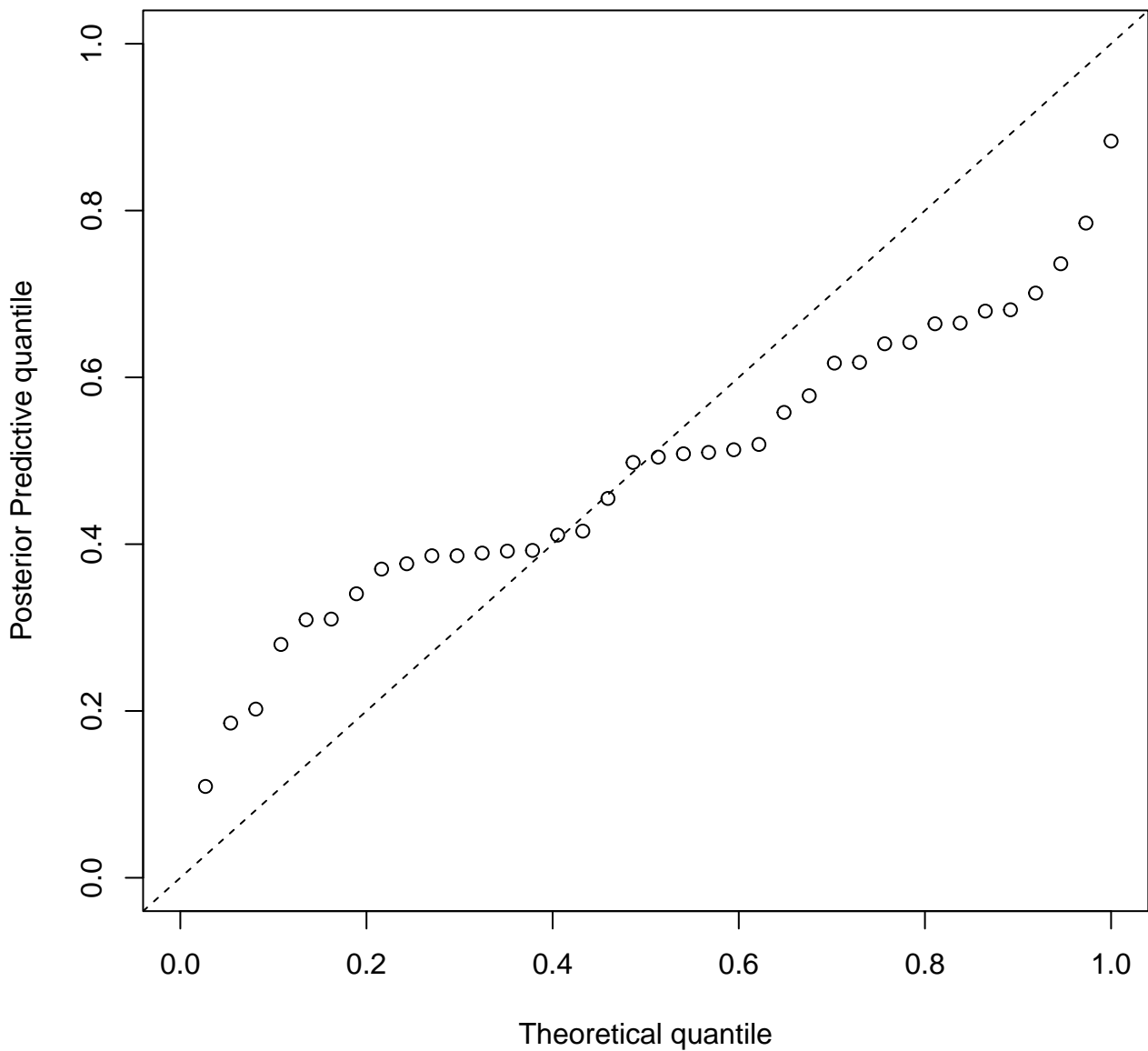


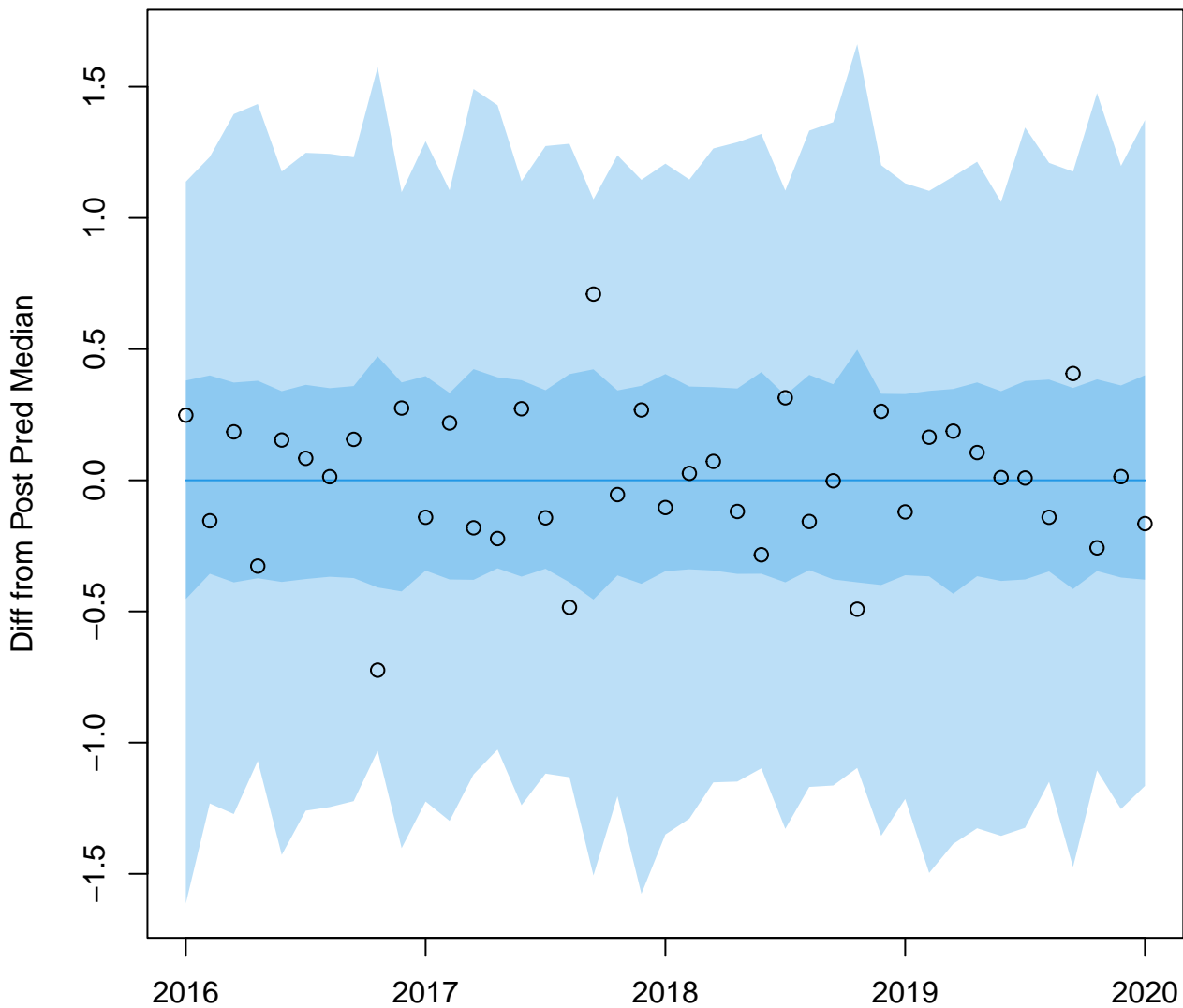


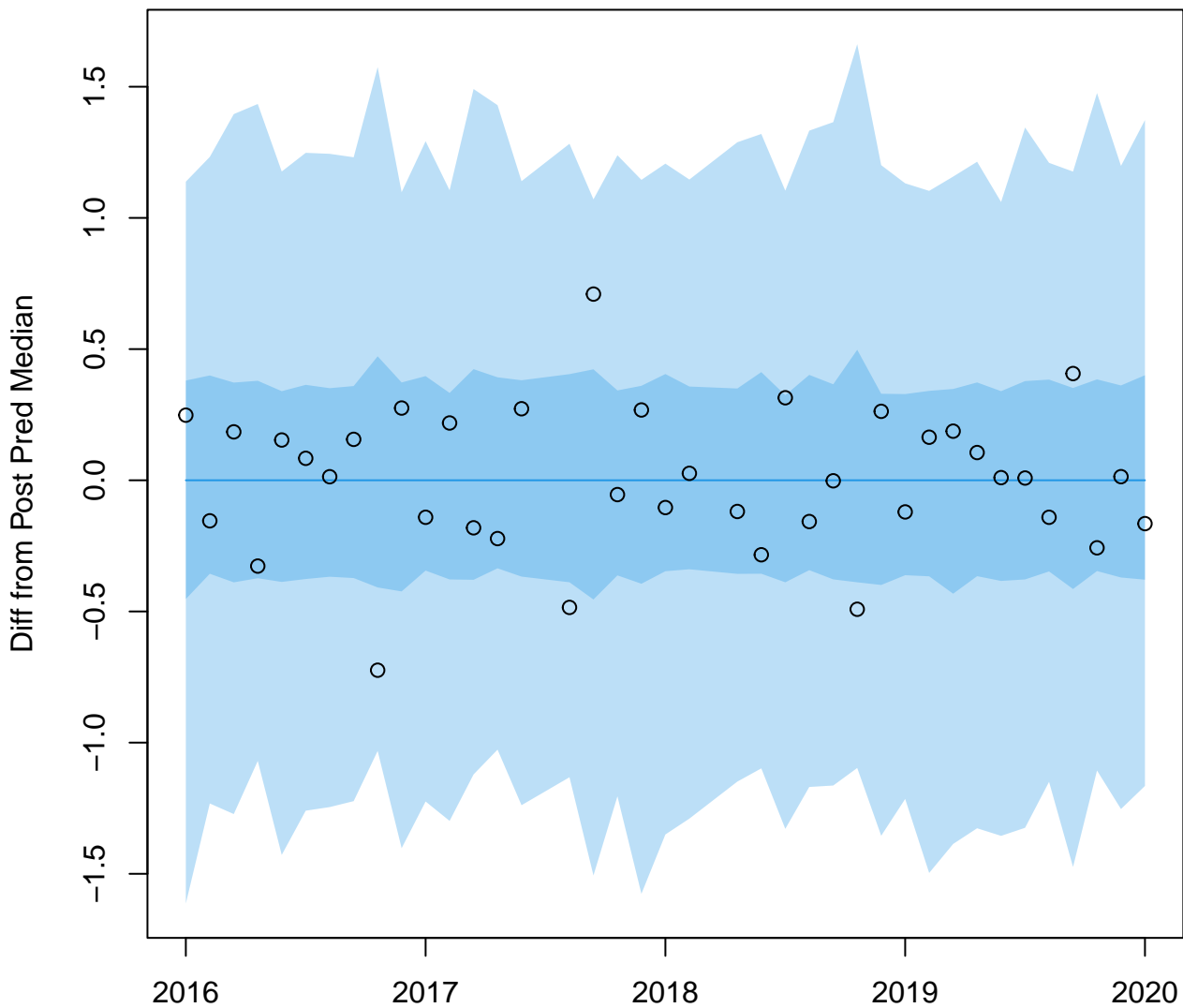


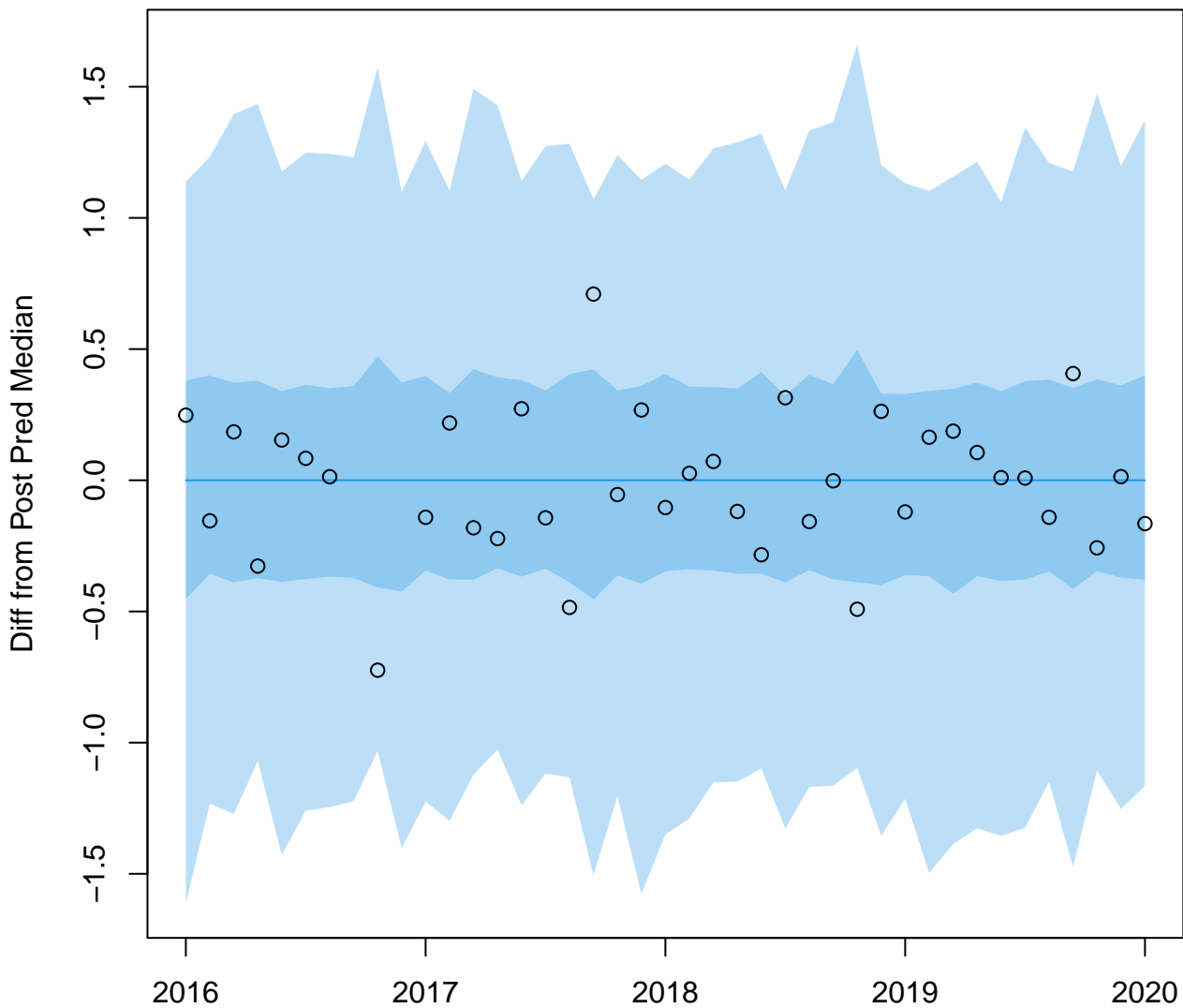


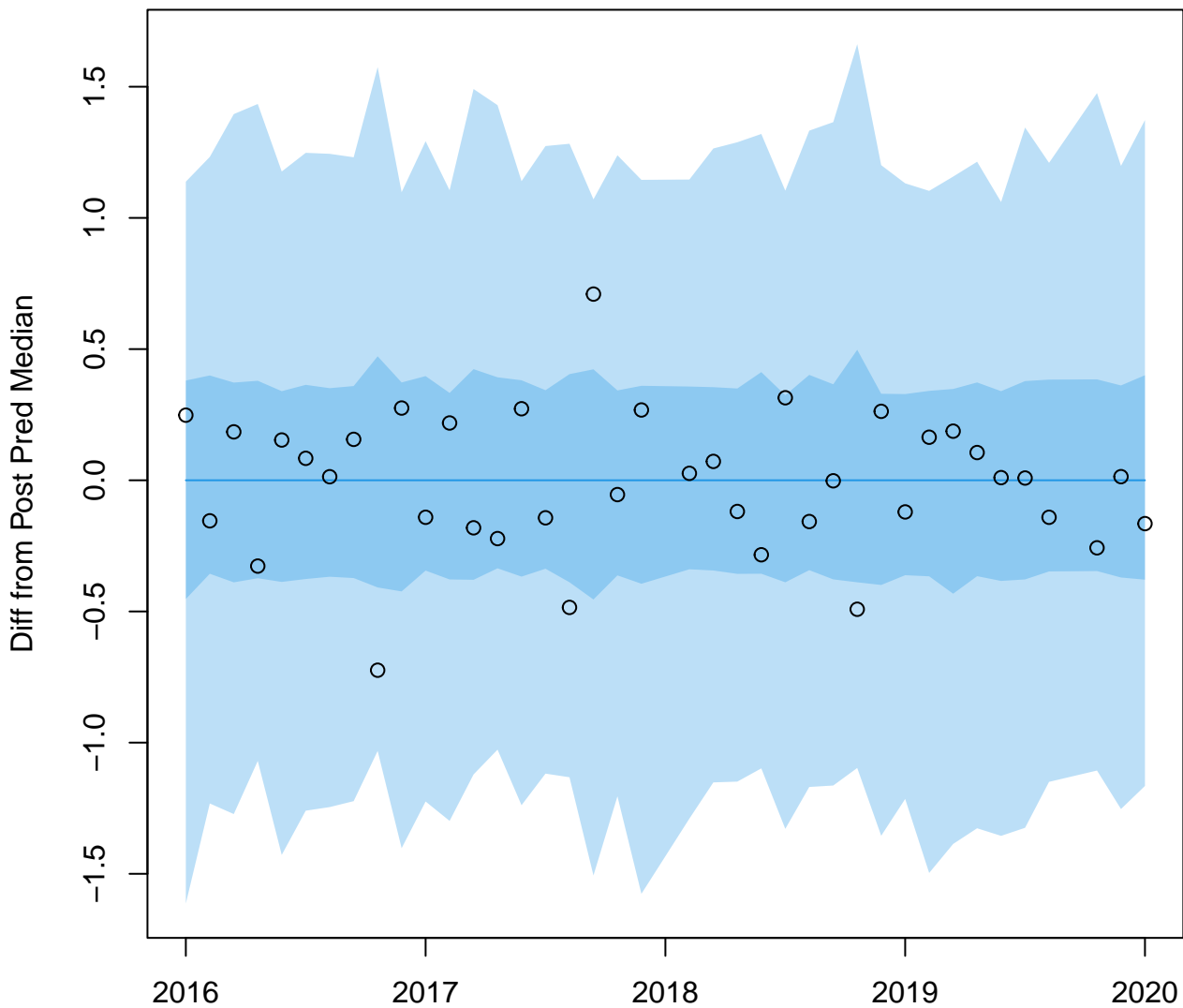


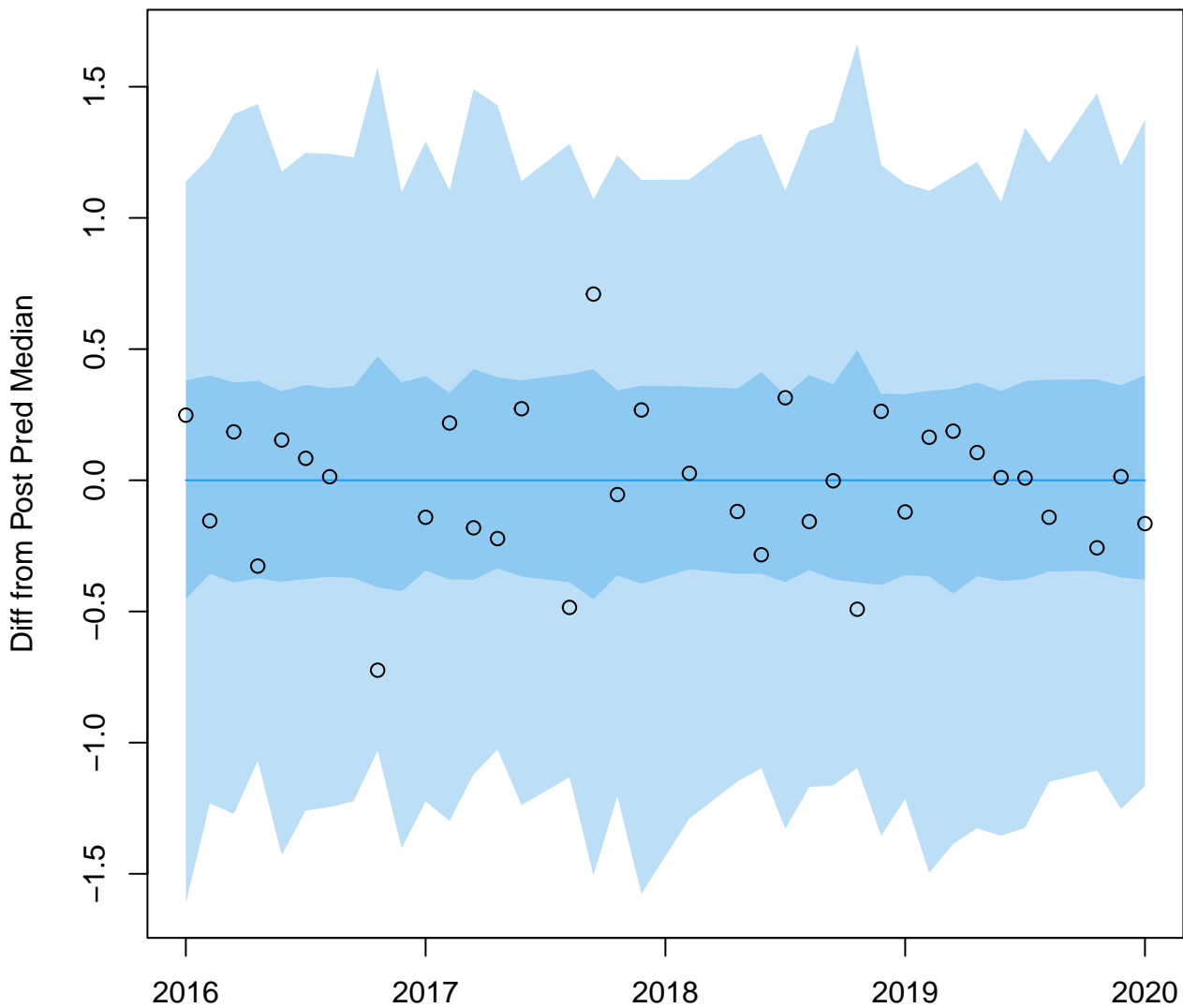


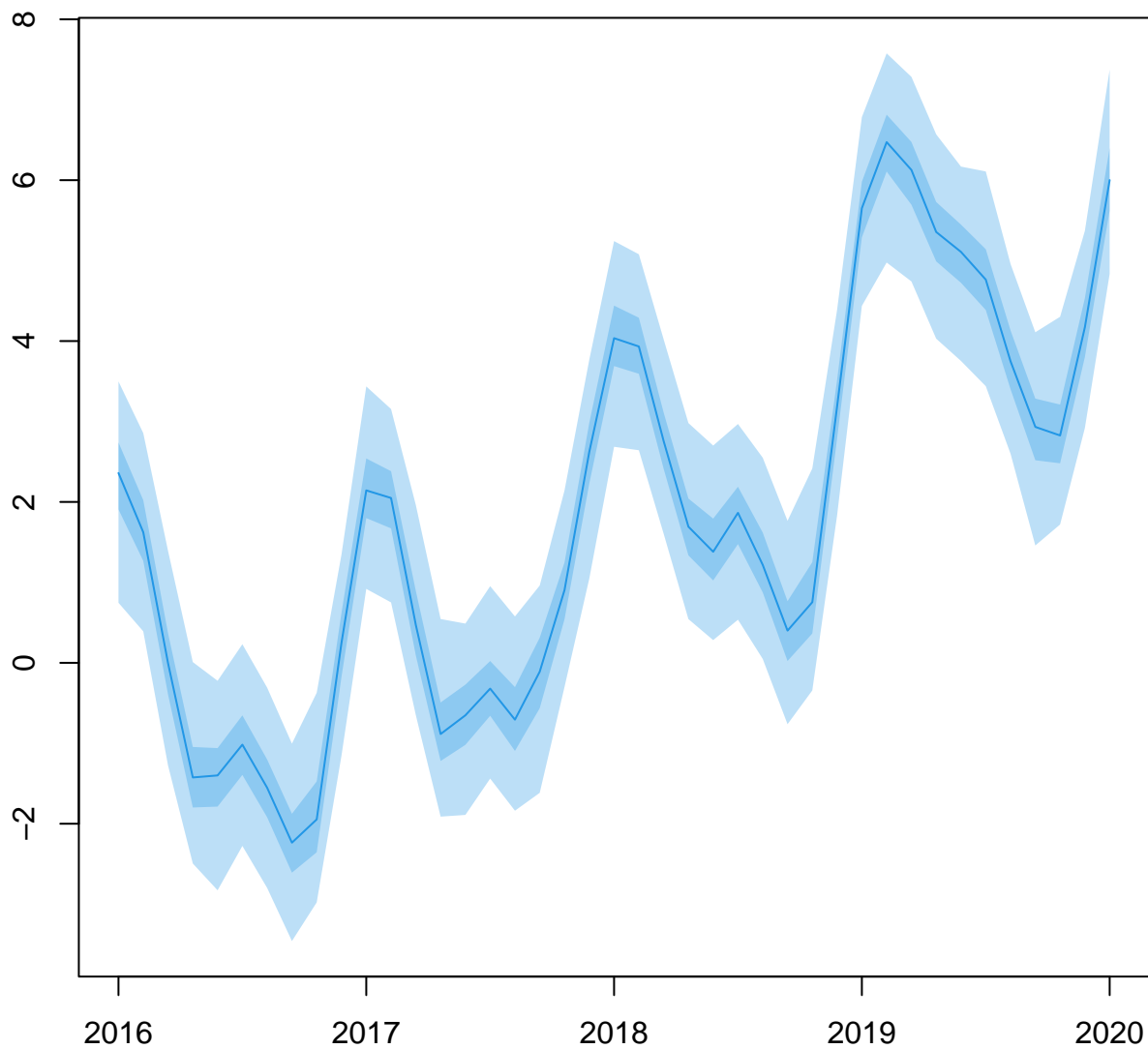


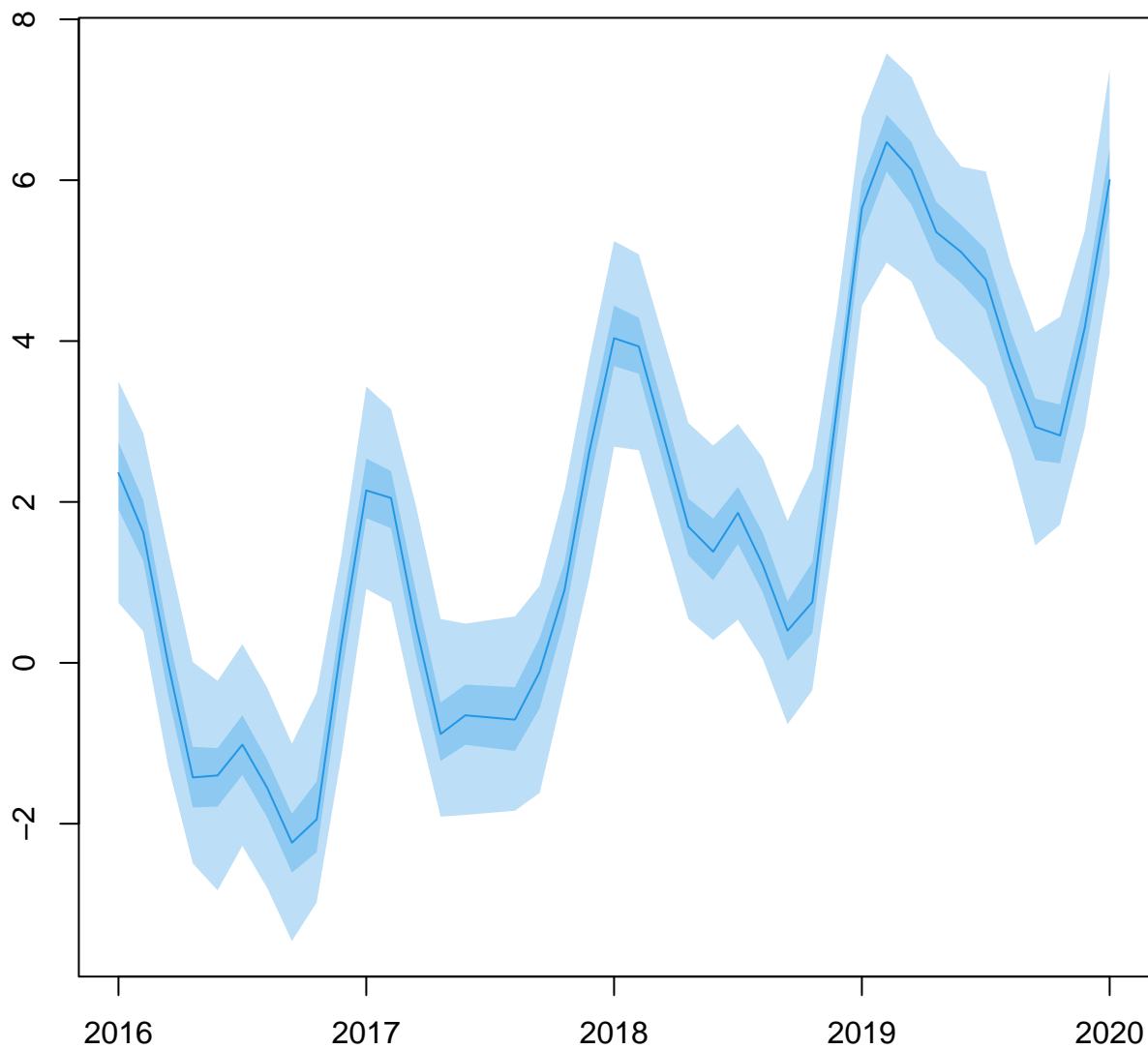


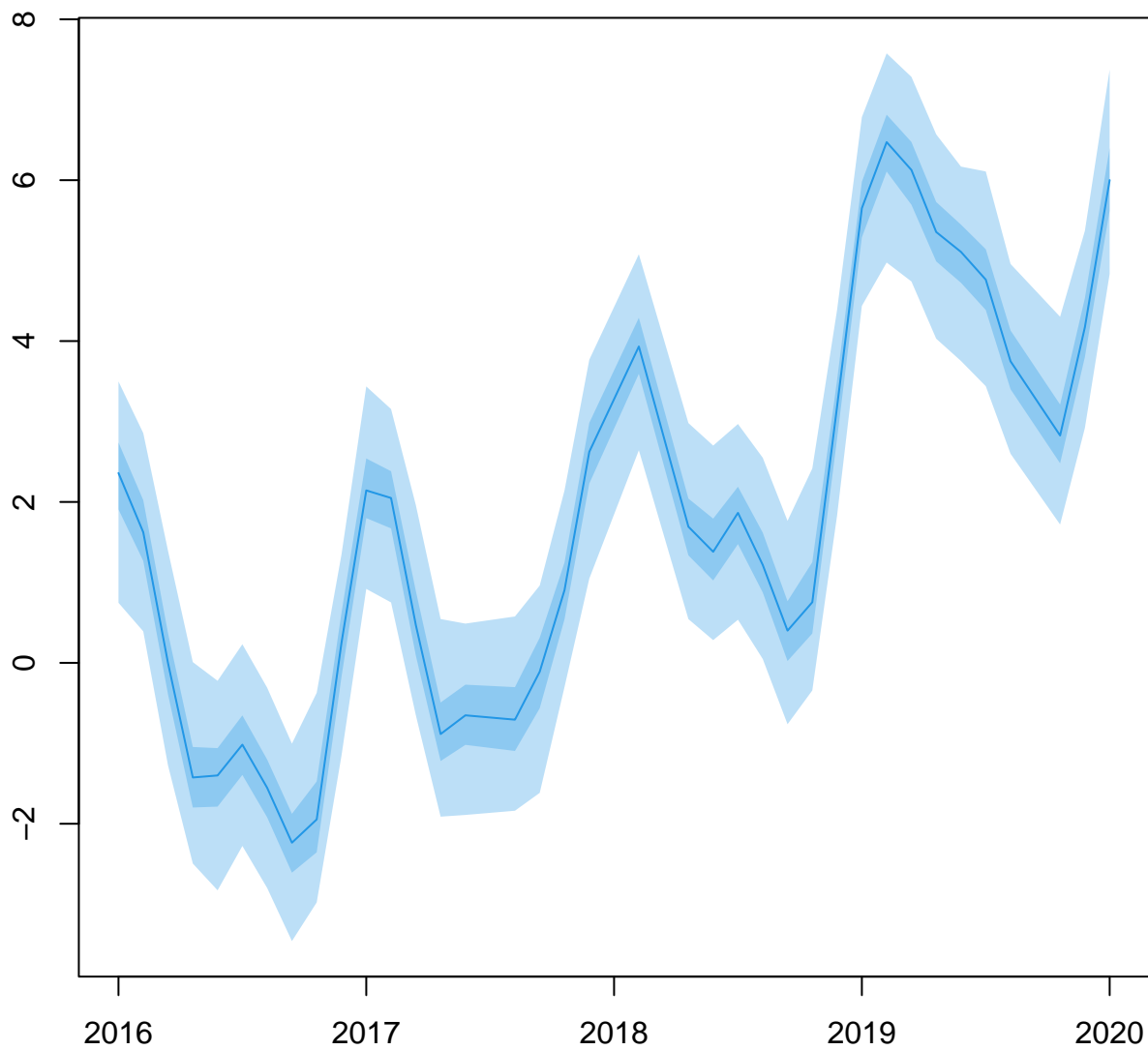




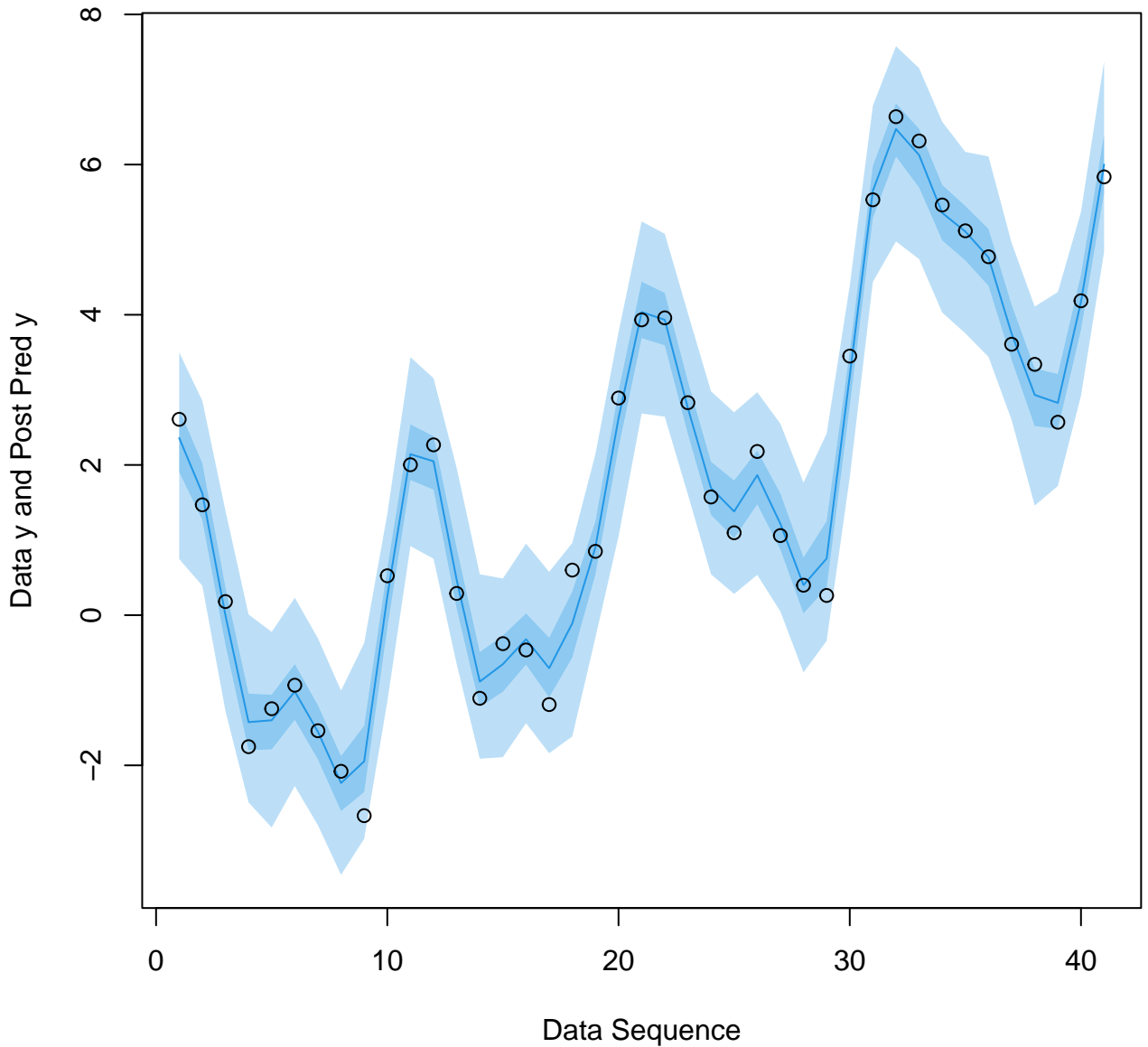




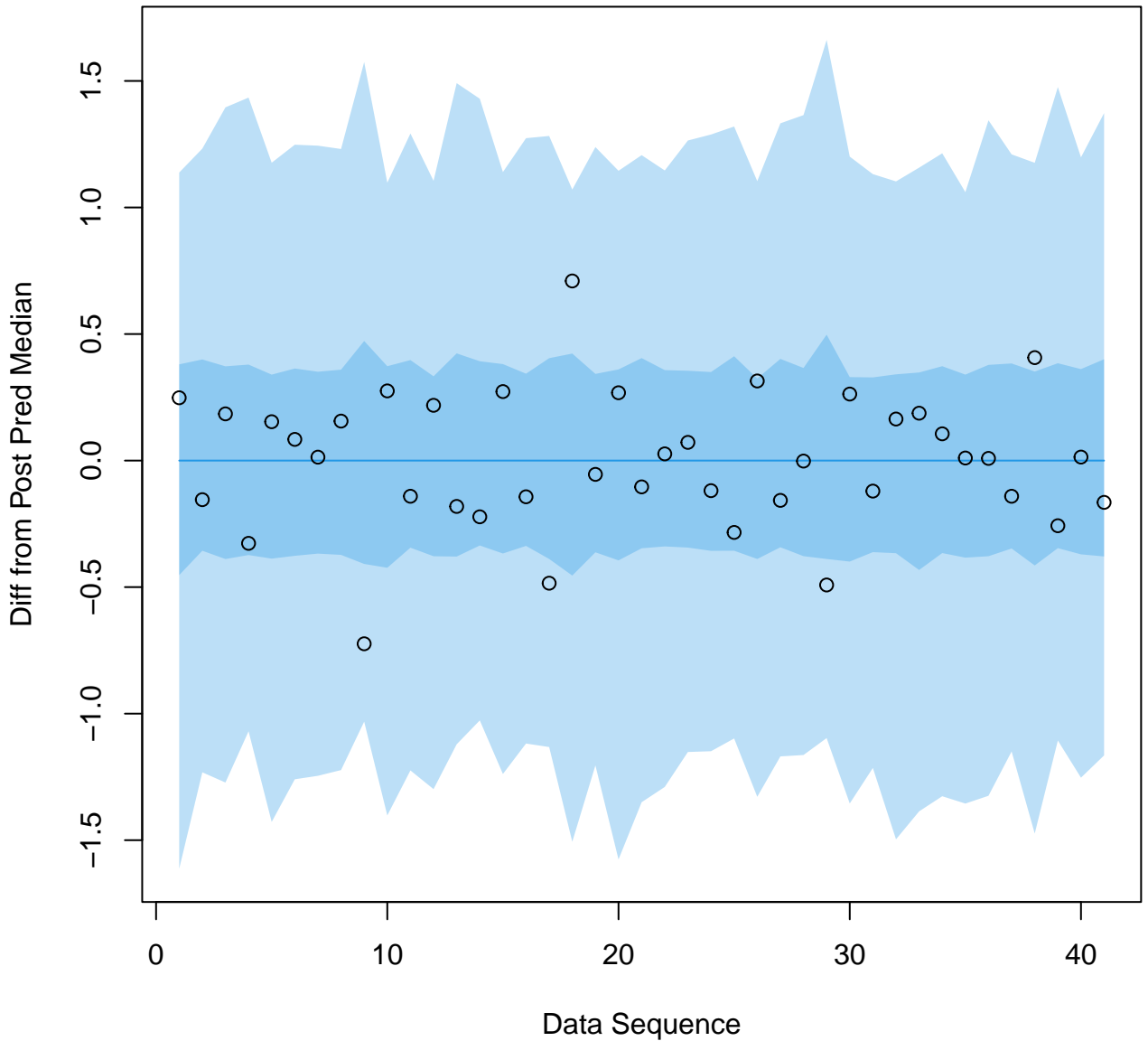


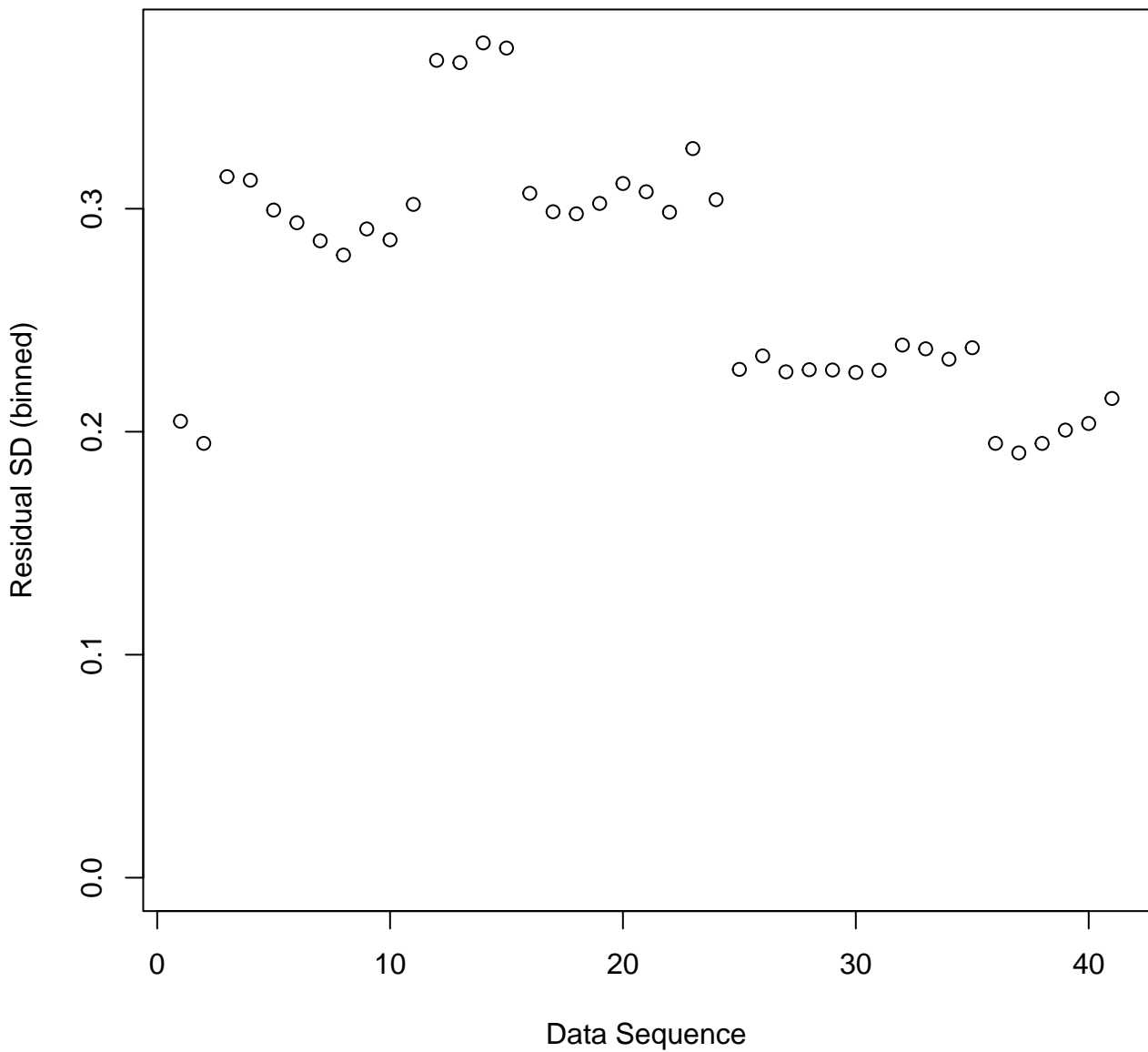


**Data y & Post Pred y
vs. Data Sequence**

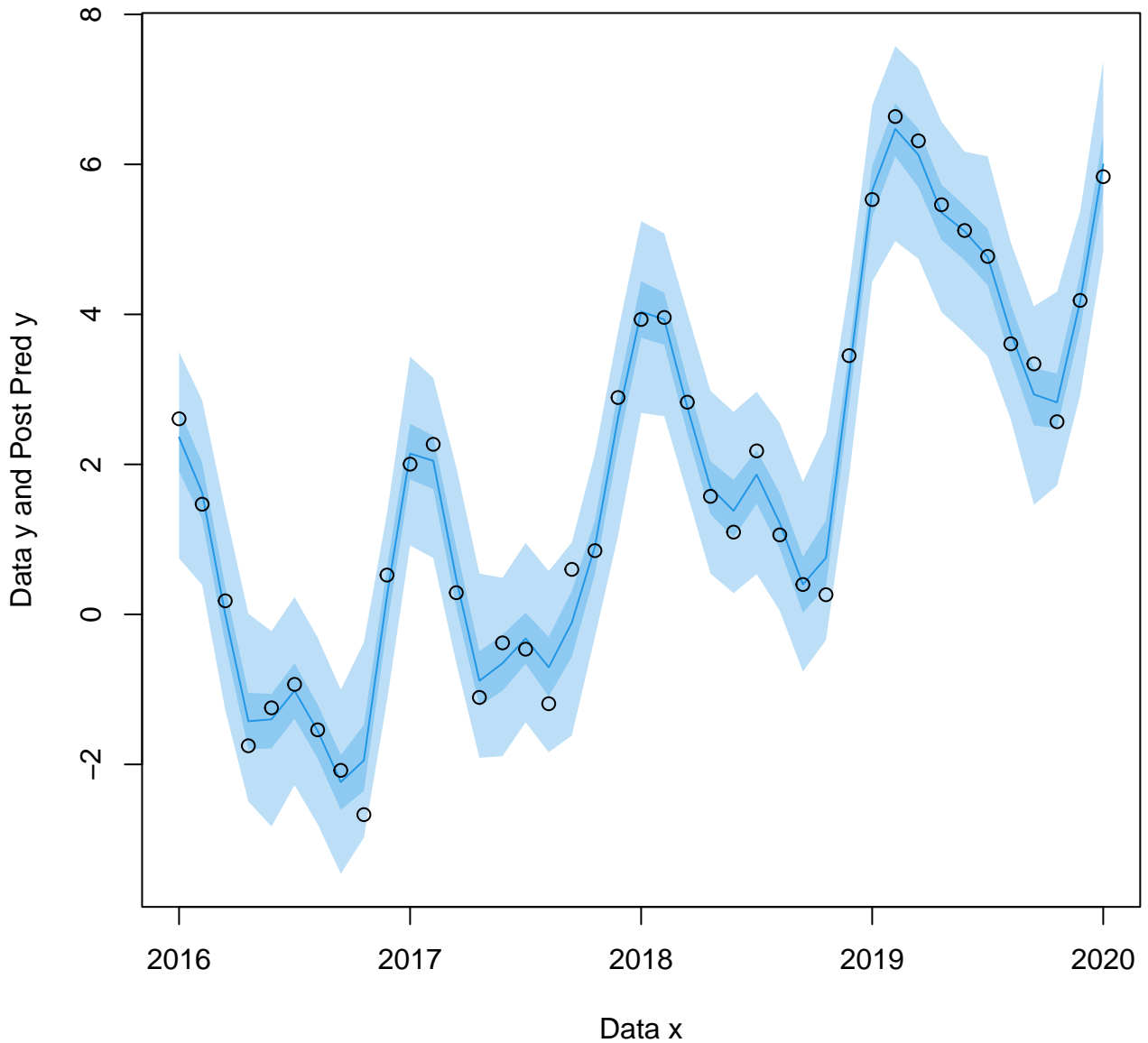


Residuals & PP Residual vs. Data Sequence

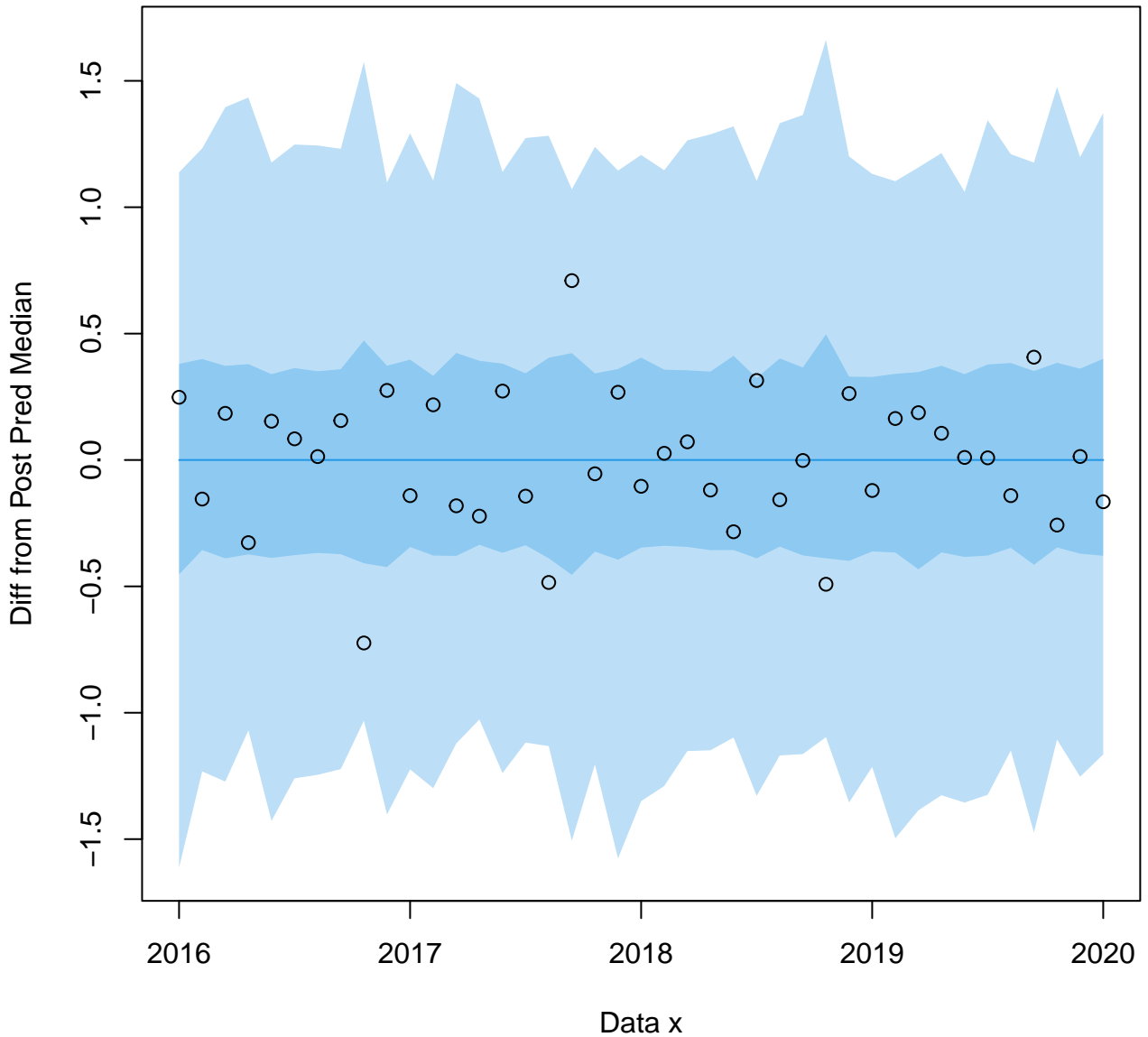


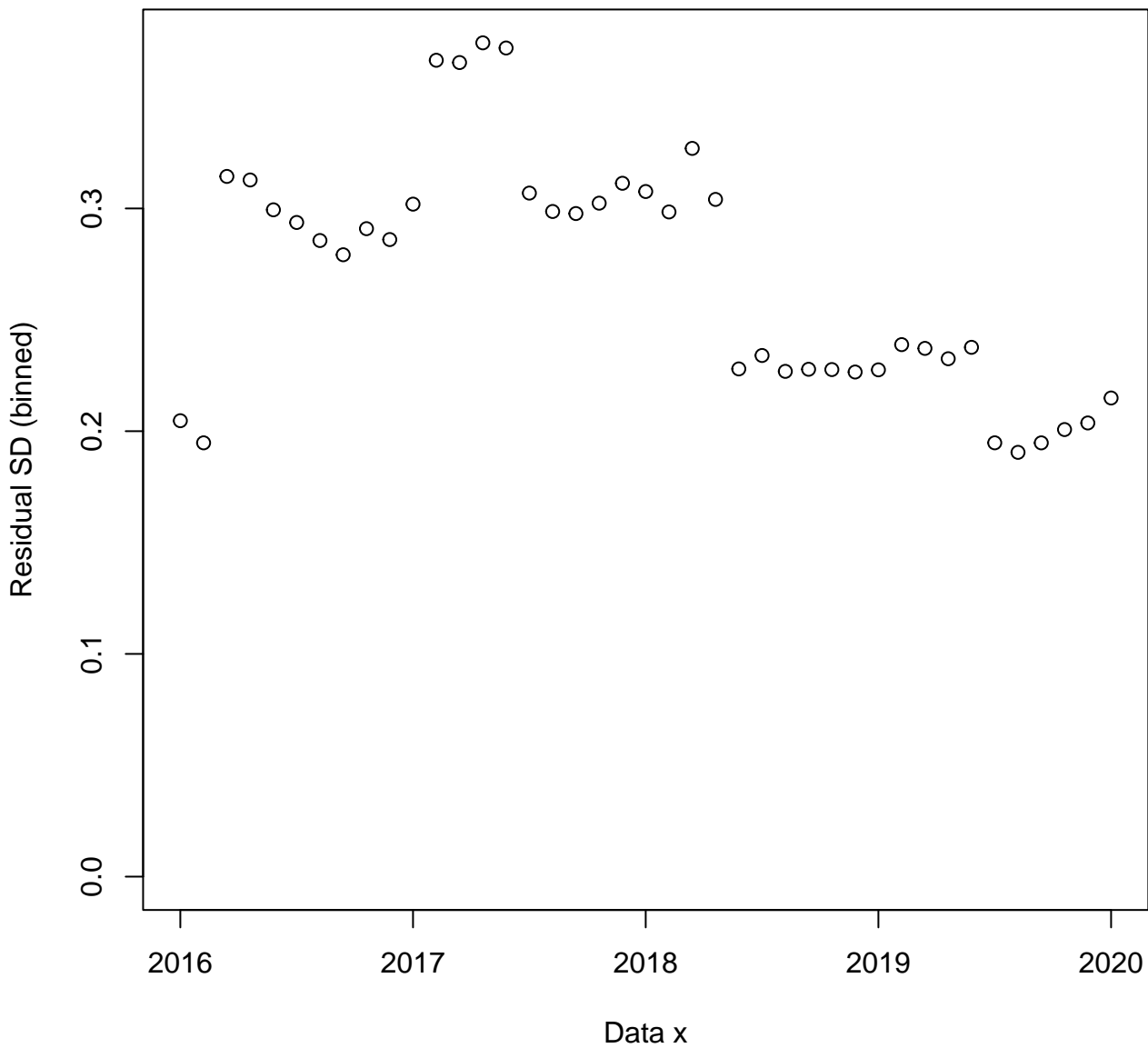


**Data y & Post Pred y
vs. Data x**

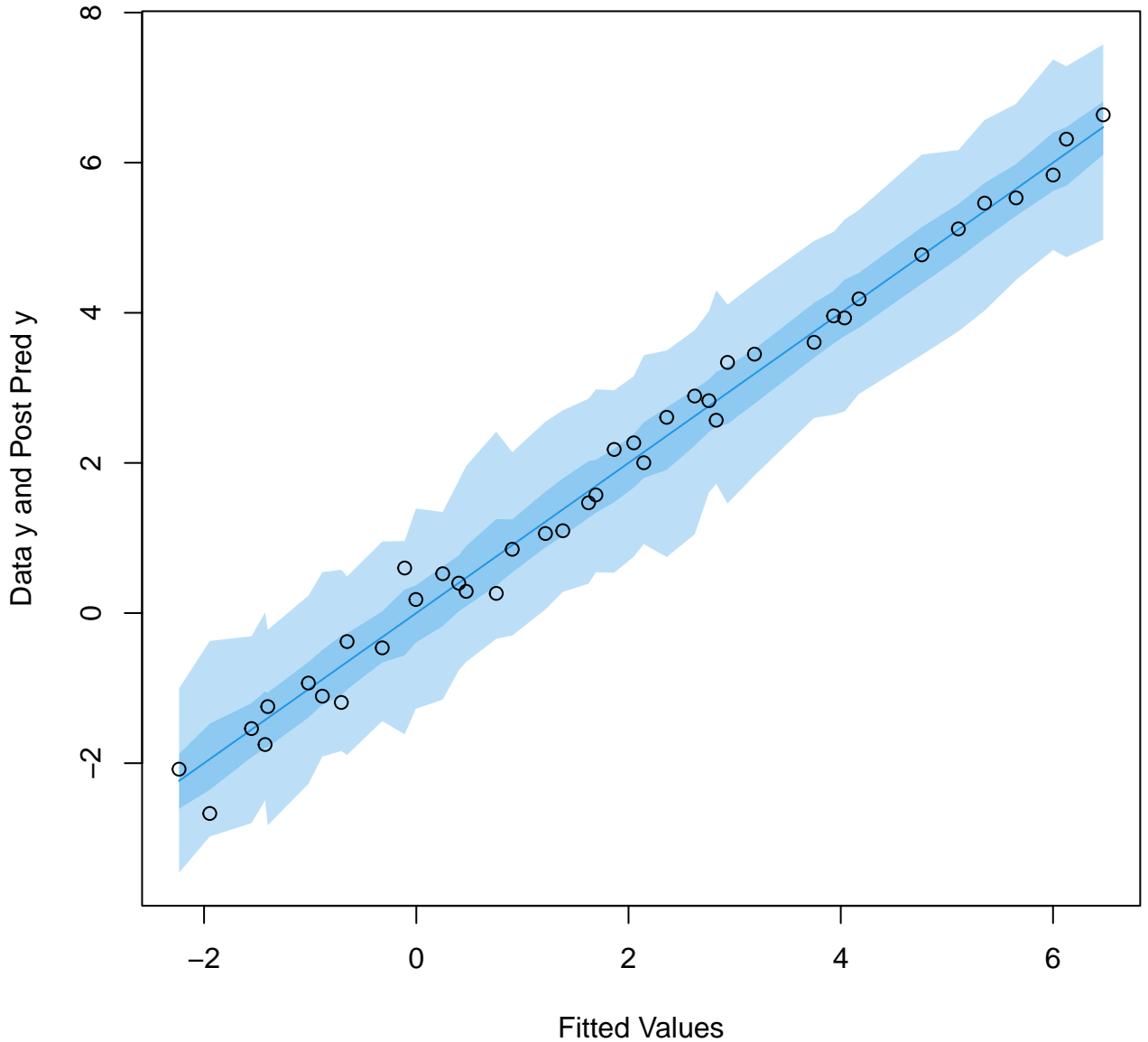


Residuals & PP Residual vs. Data x

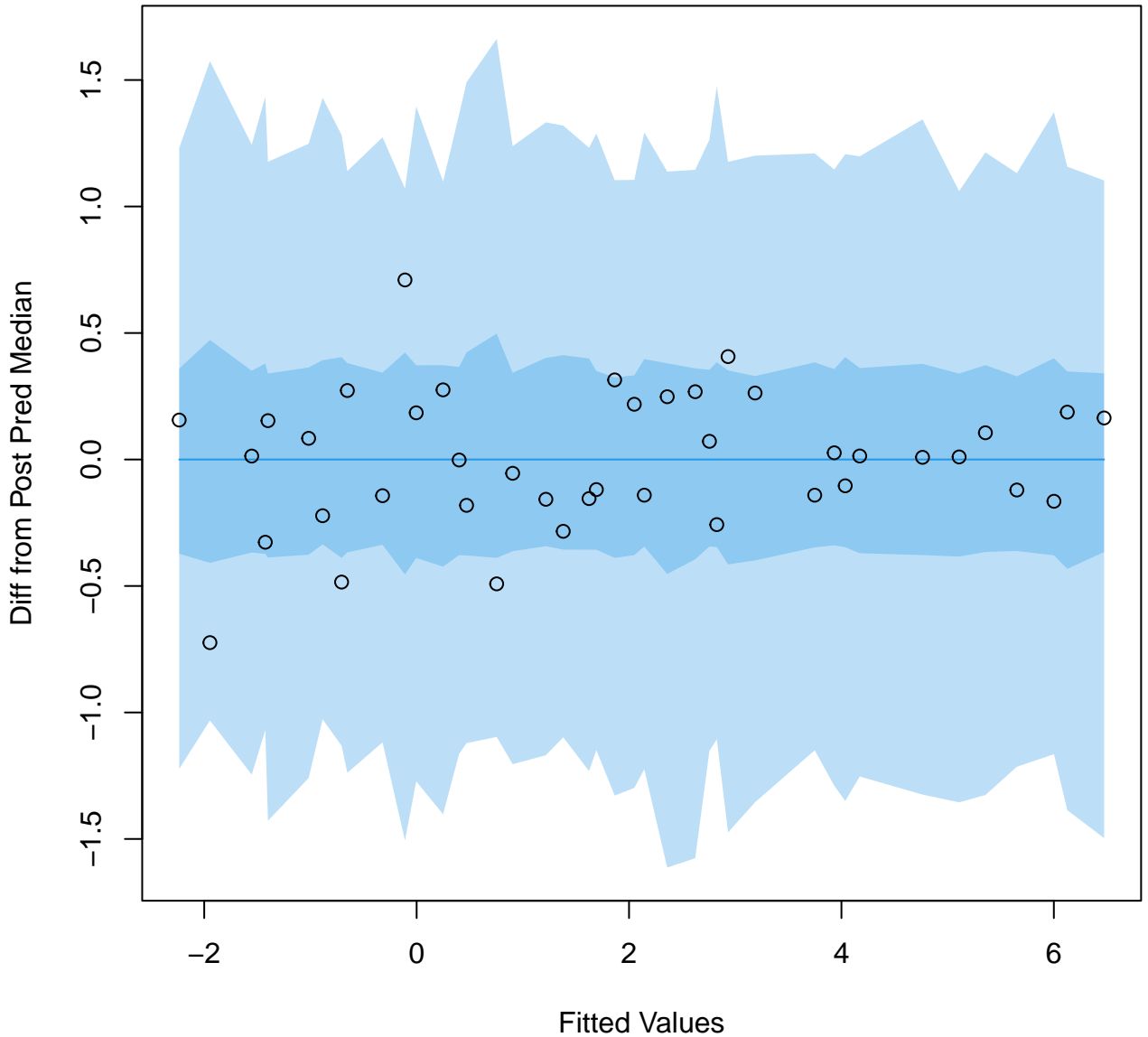


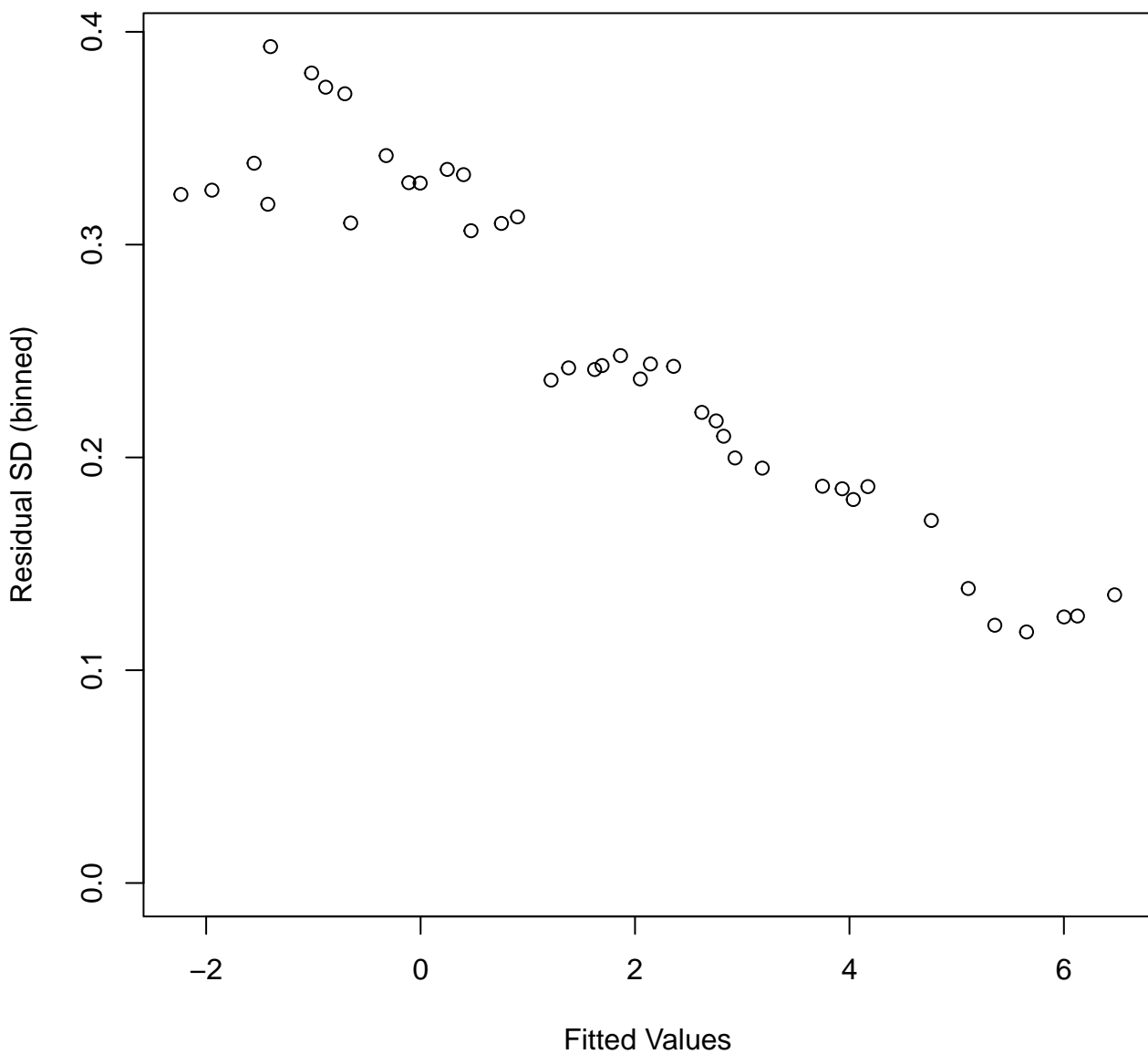


**Data y & Post Pred y
vs. Fitted Values**

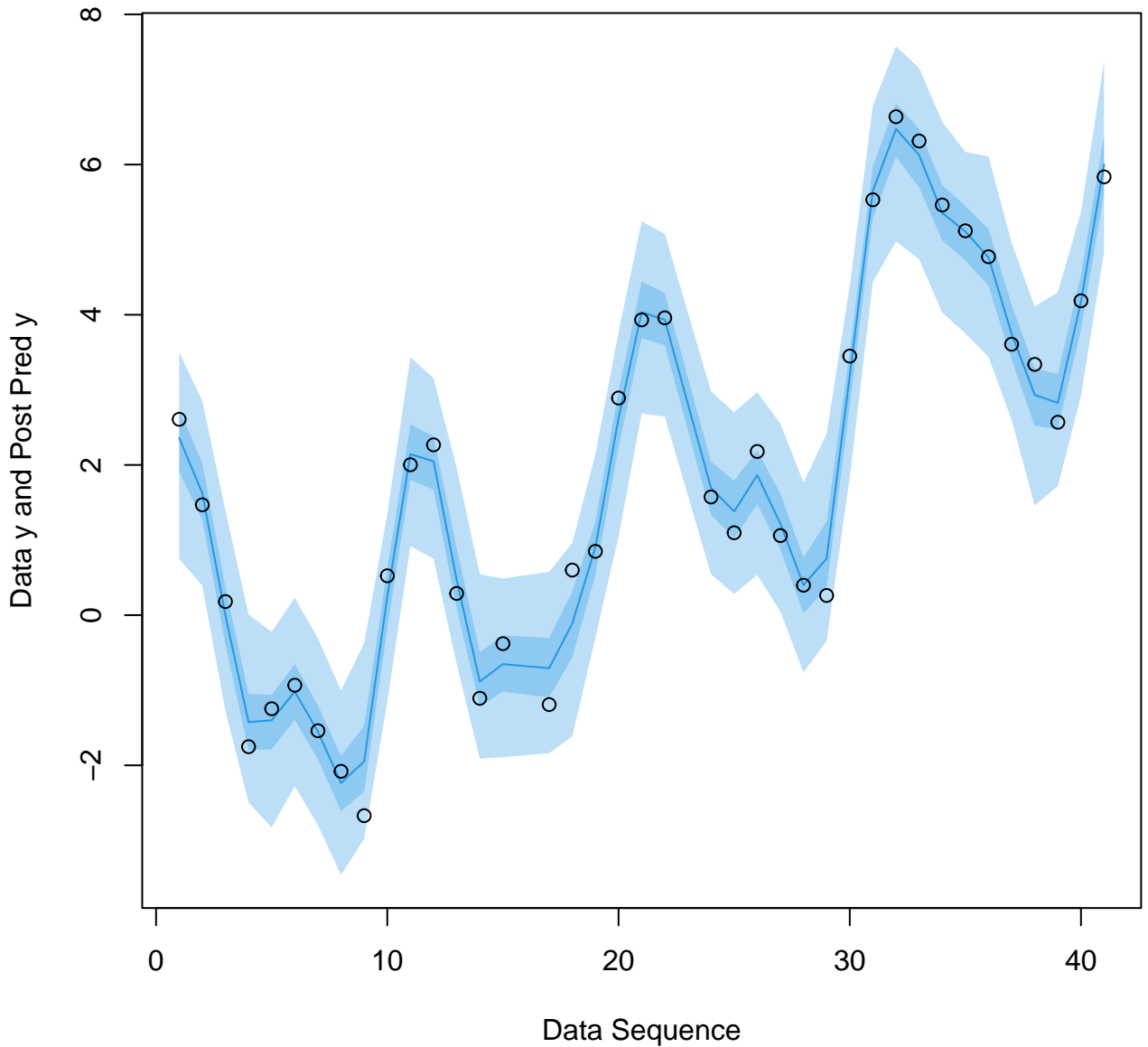


Residuals & PP Residual vs. Fitted Values

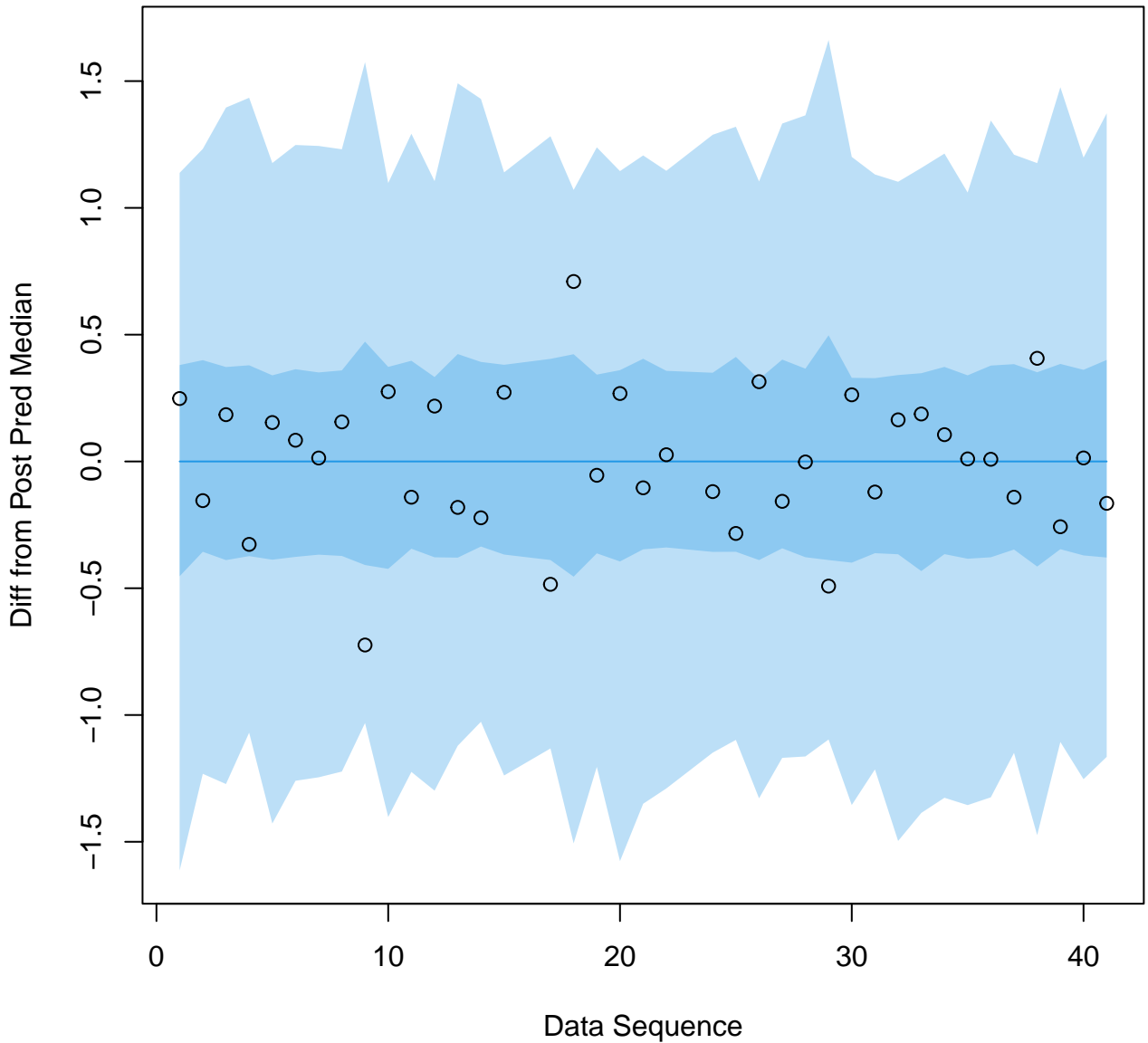


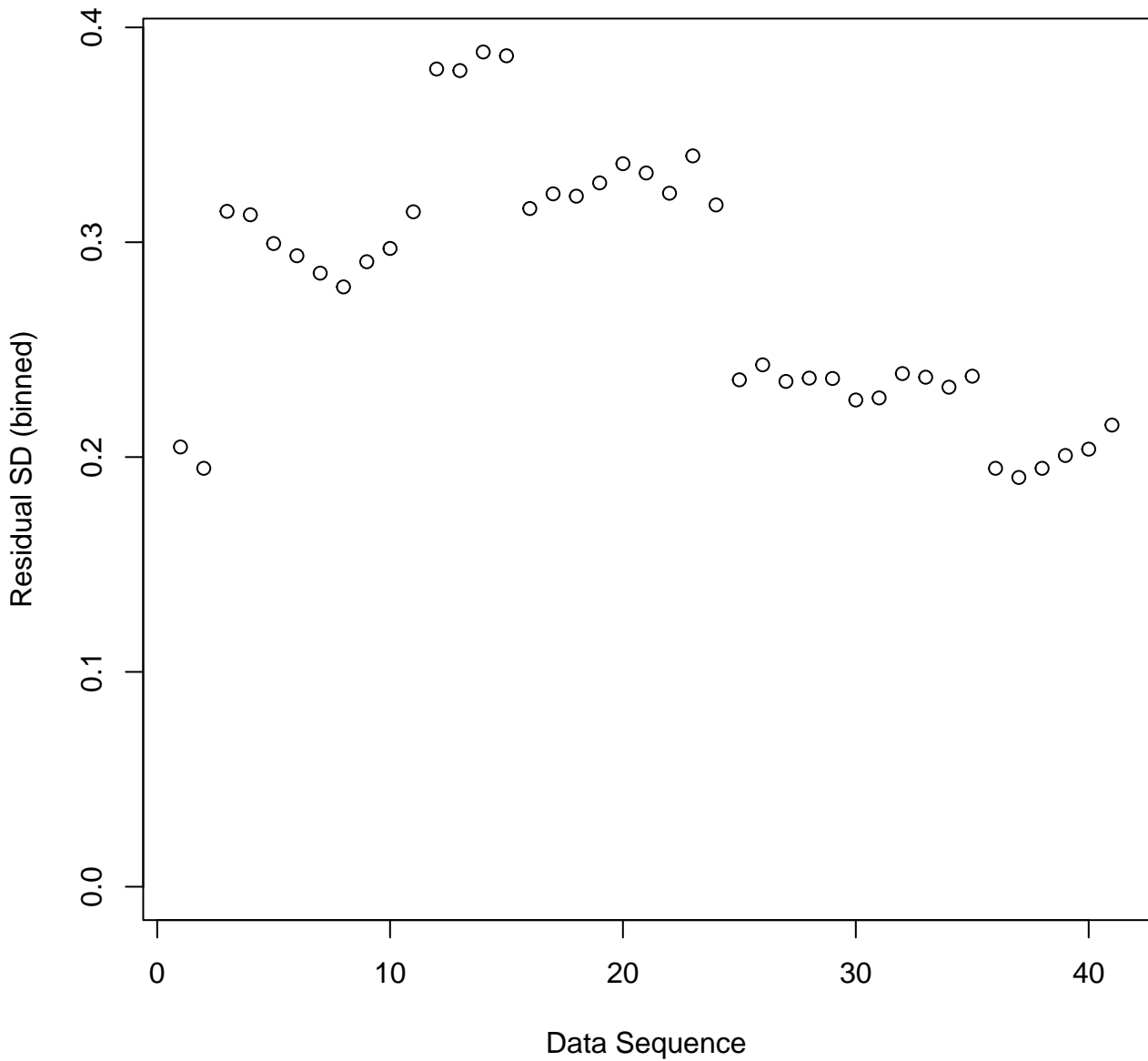


**Data y & Post Pred y
vs. Data Sequence**

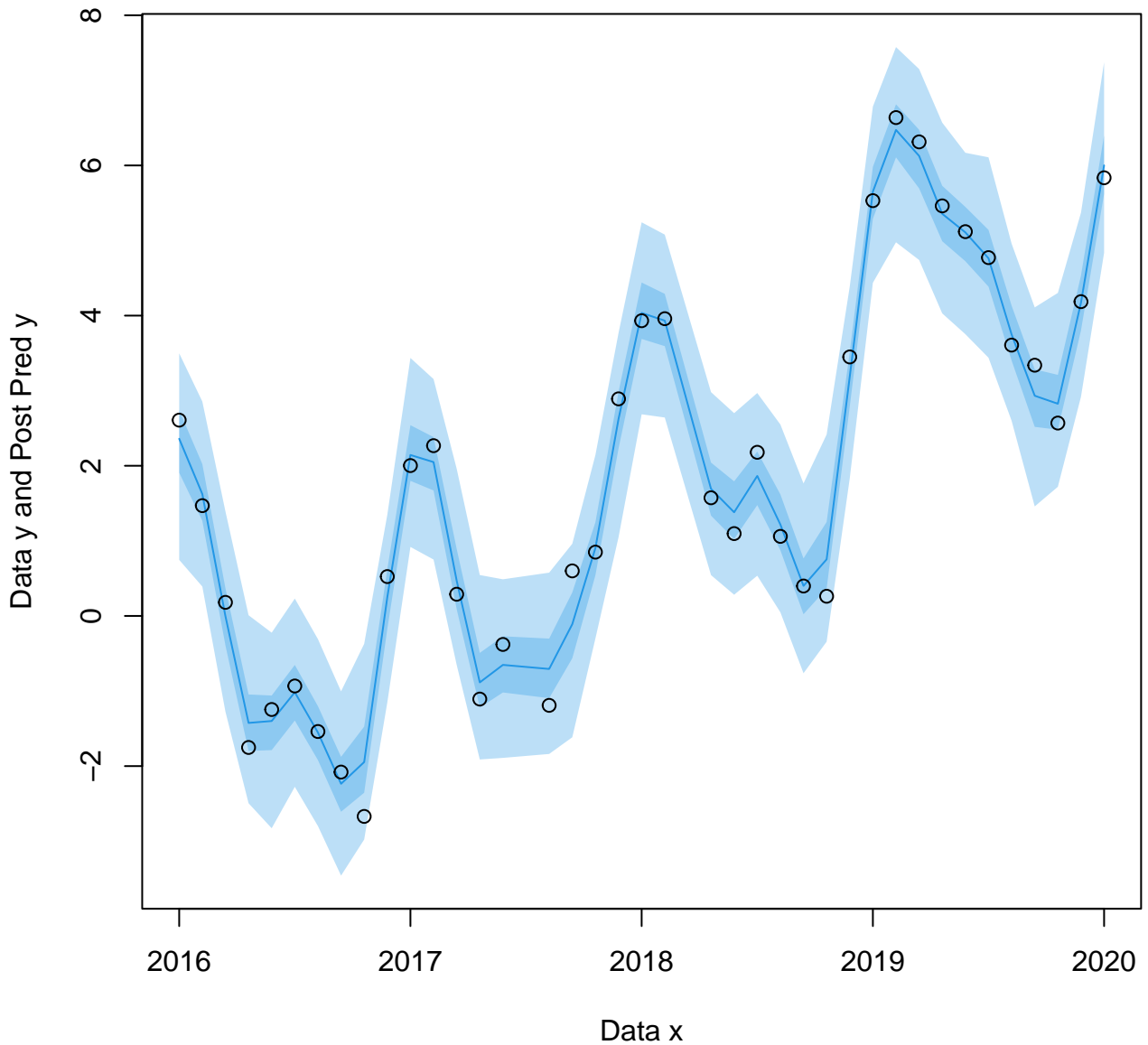


Residuals & PP Residual vs. Data Sequence

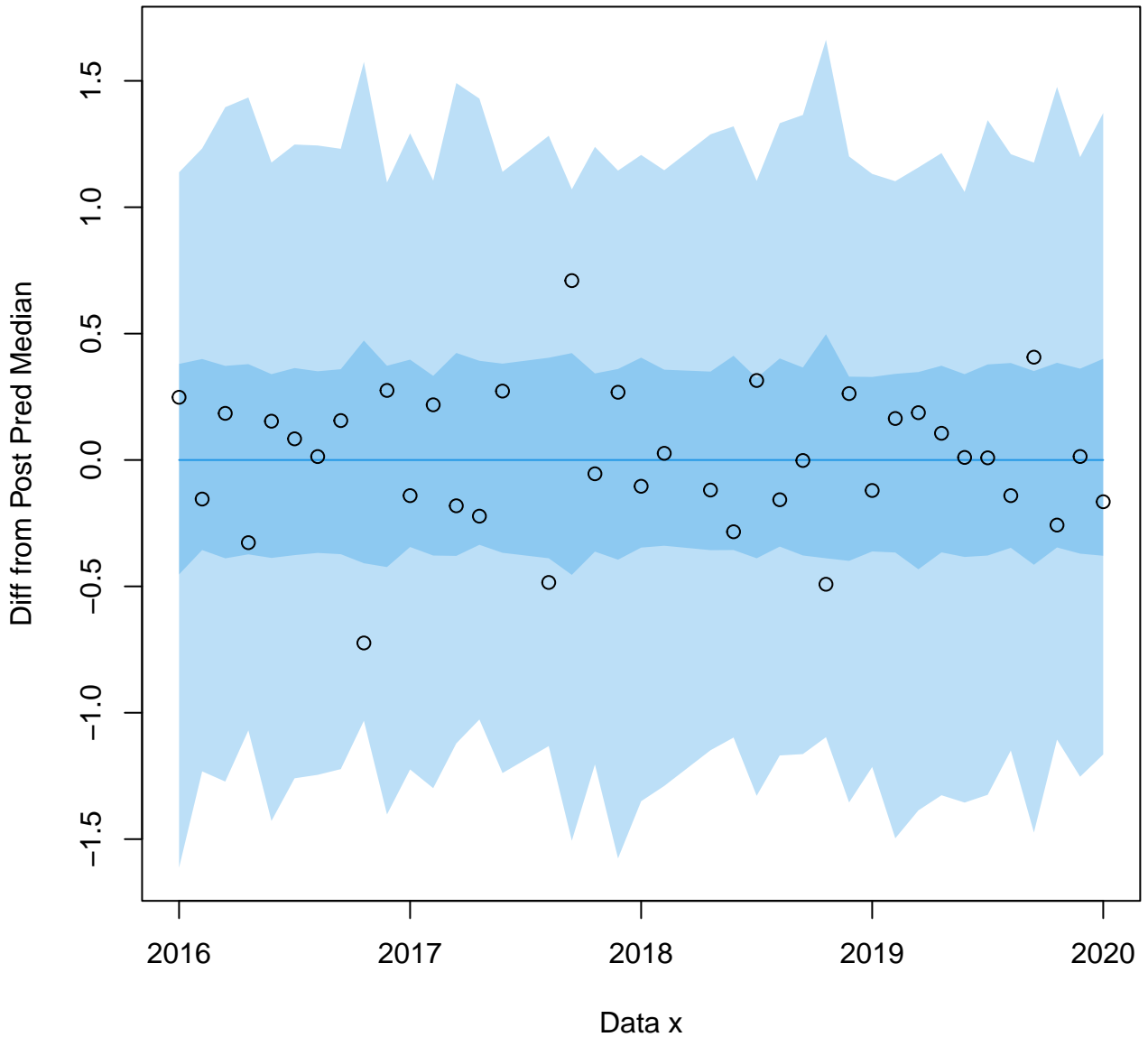


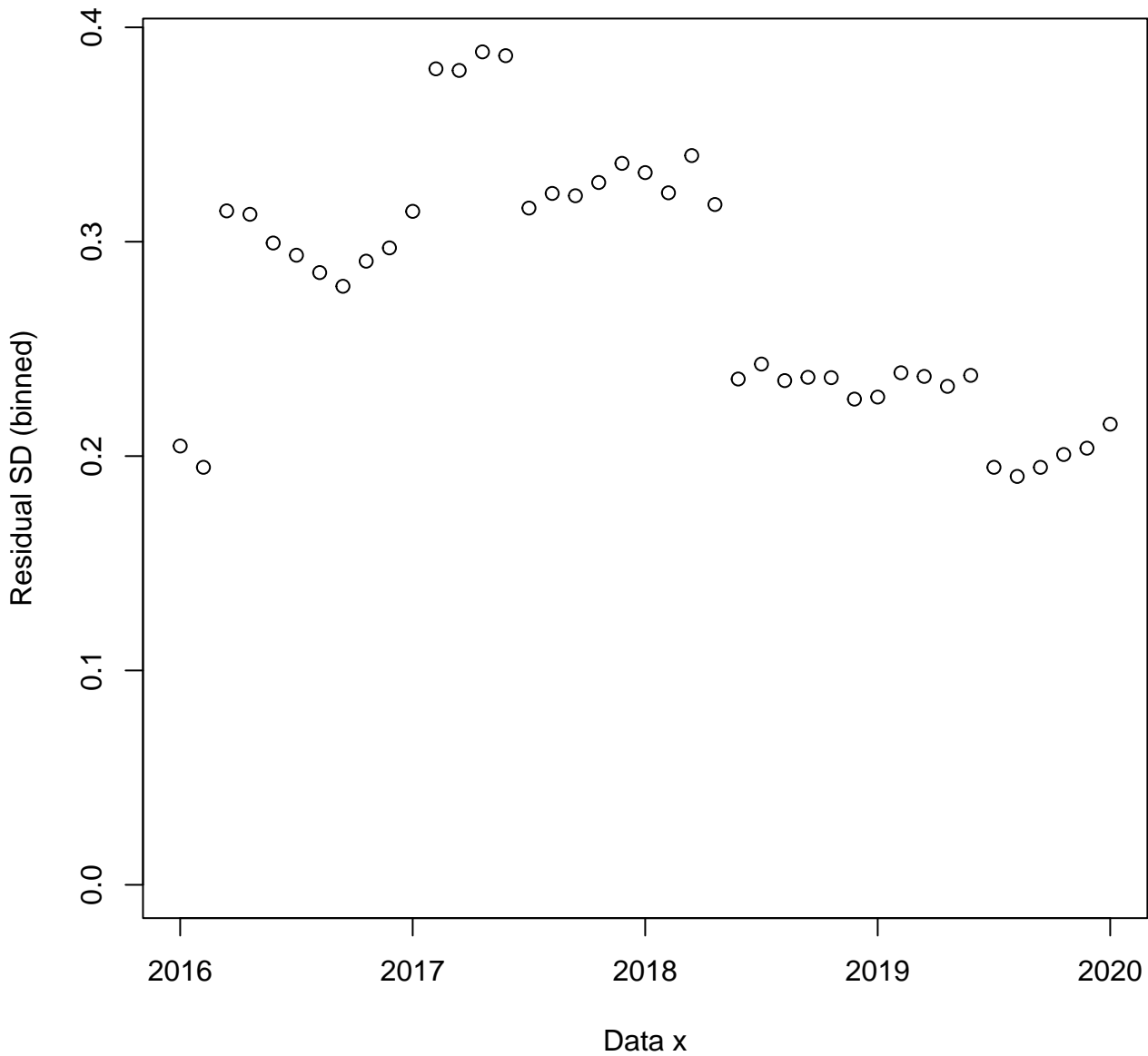


**Data y & Post Pred y
vs. Data x**

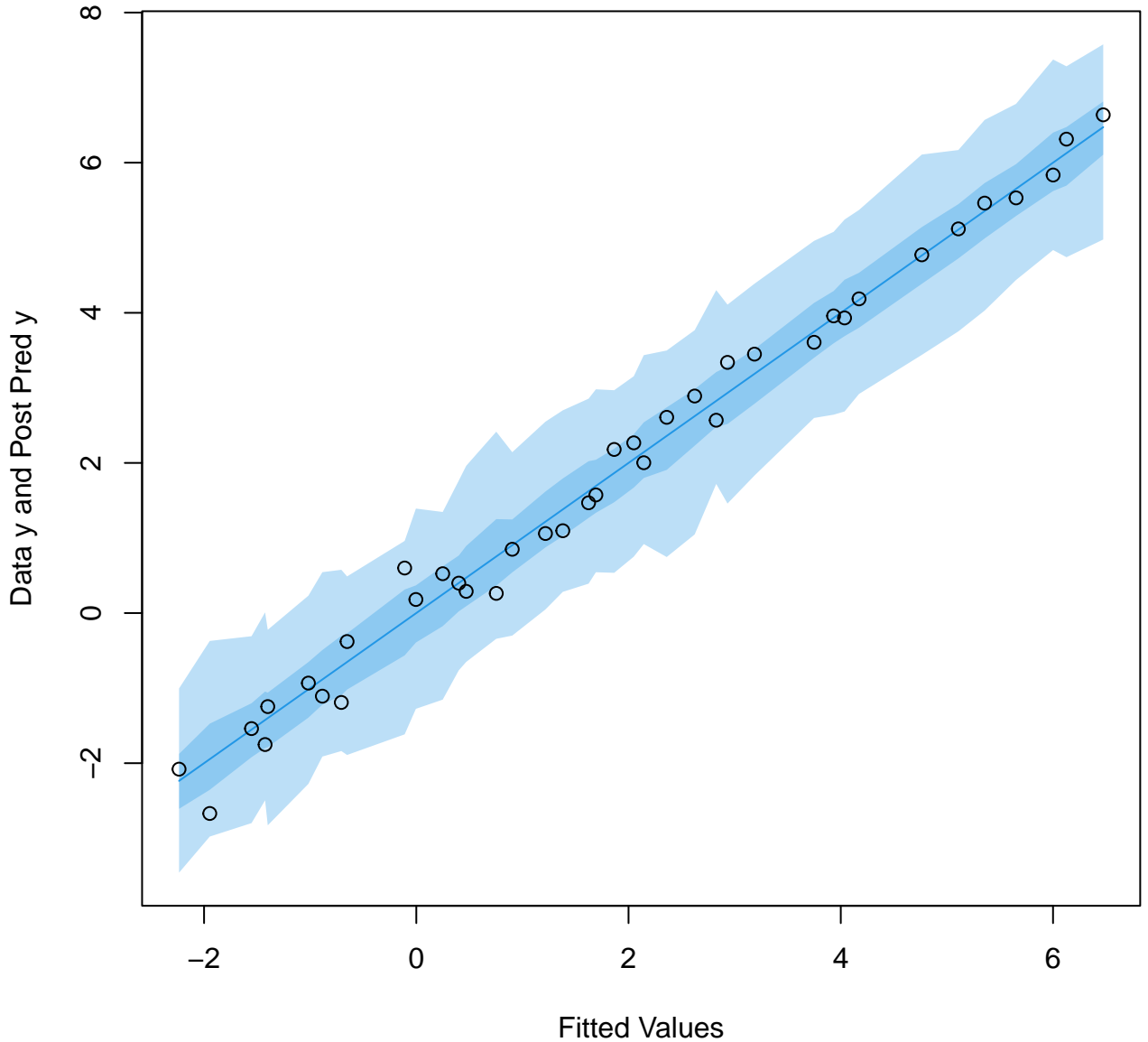


Residuals & PP Residual vs. Data x

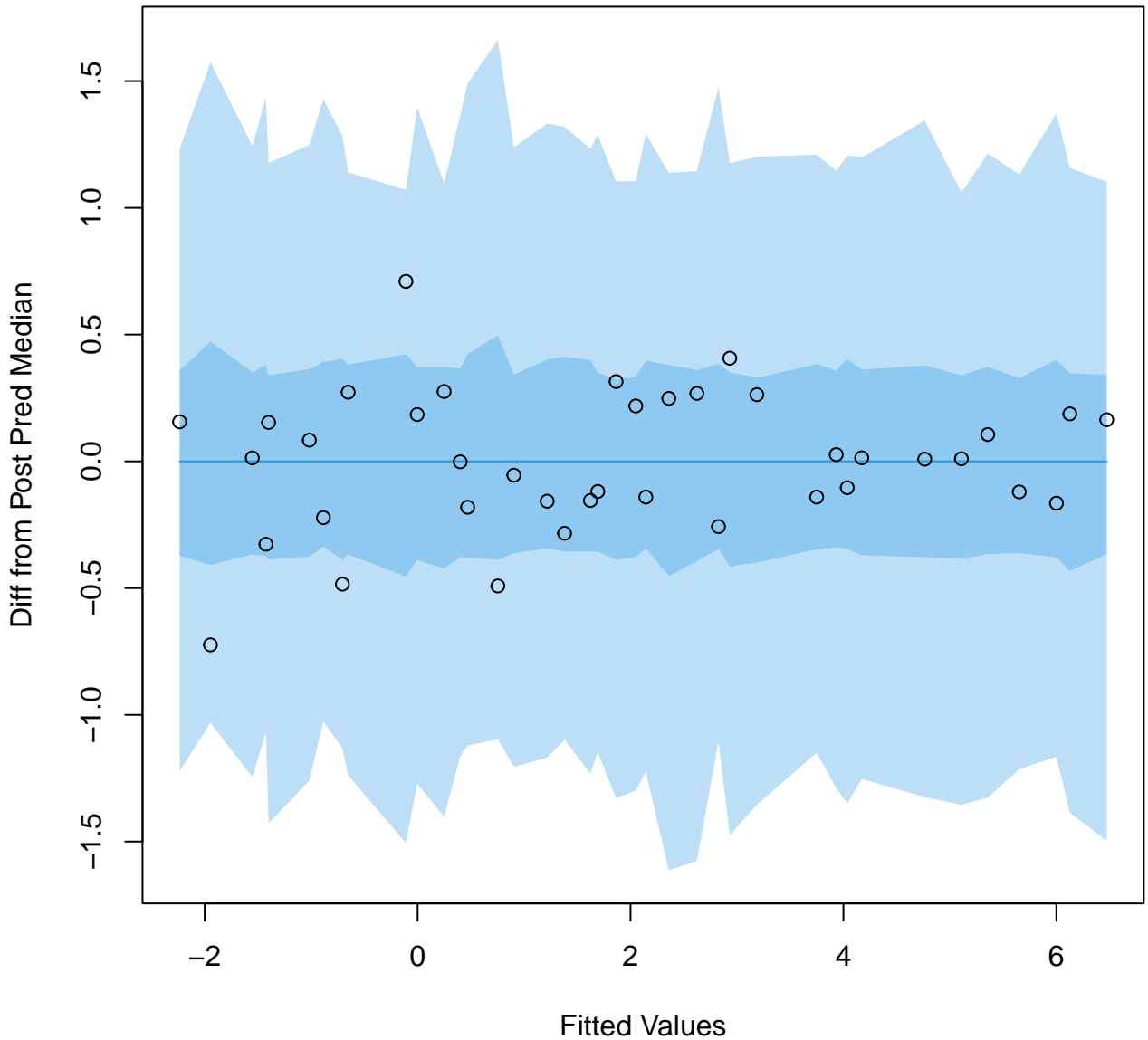


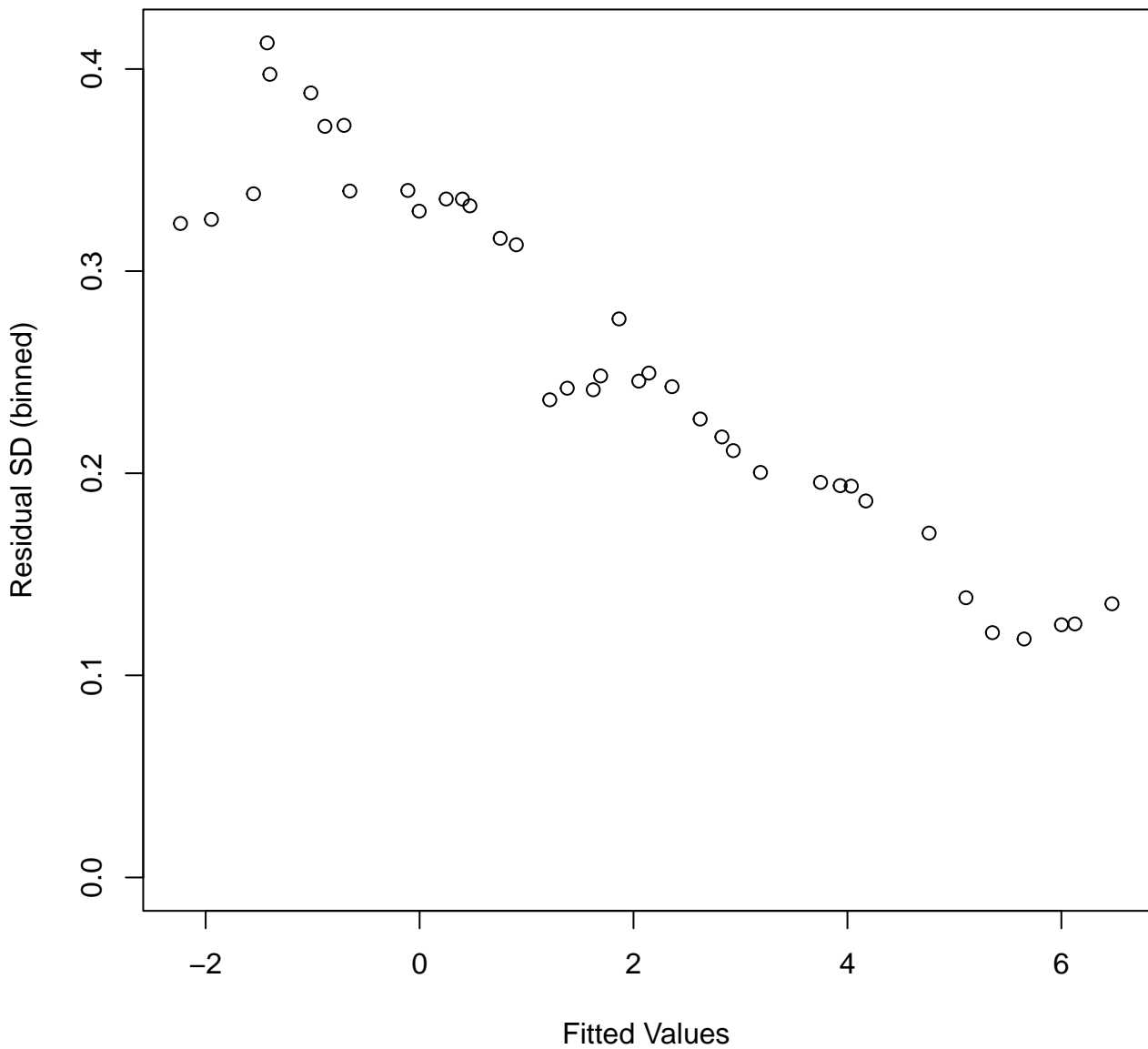


**Data y & Post Pred y
vs. Fitted Values**

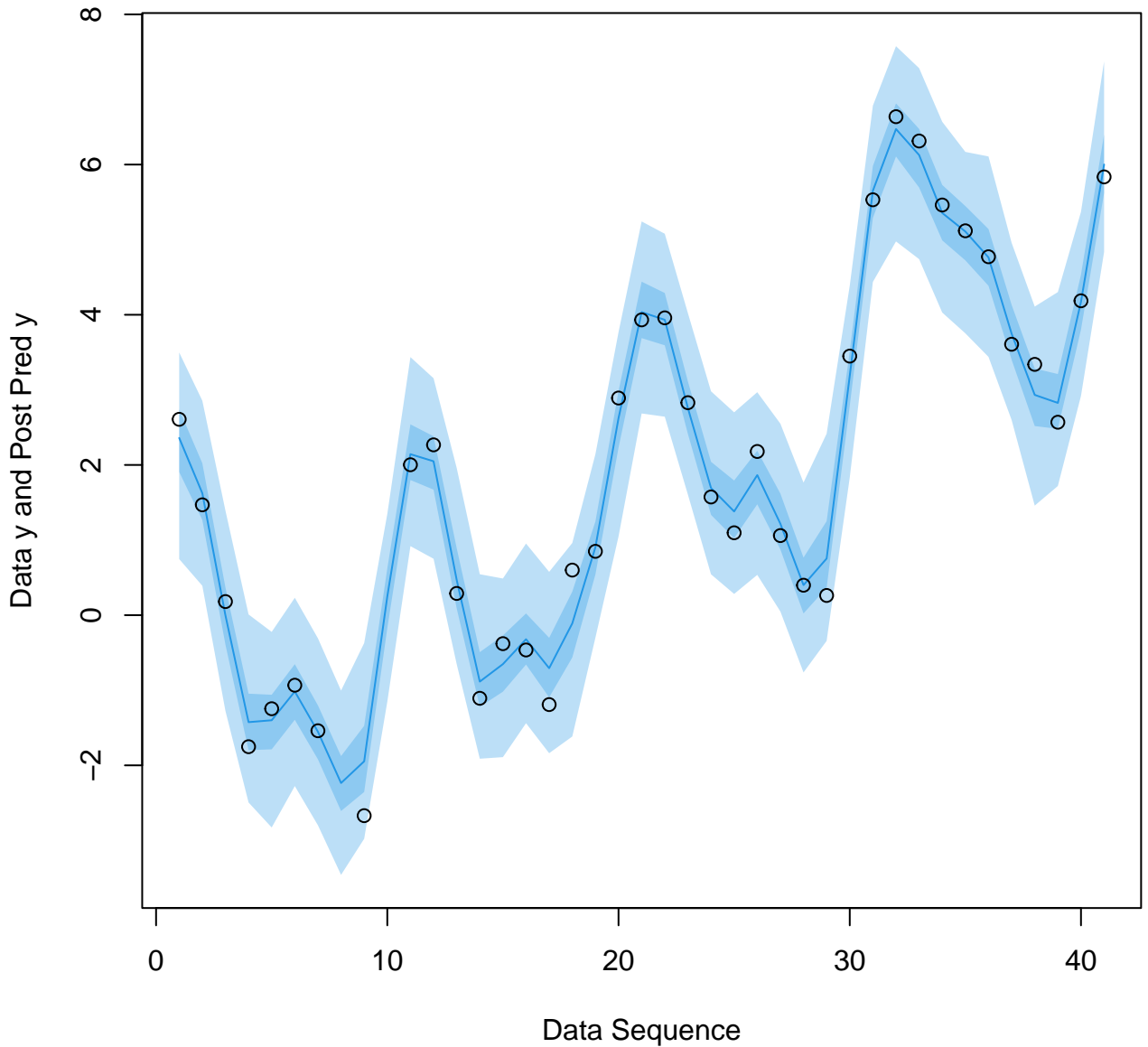


Residuals & PP Residual vs. Fitted Values

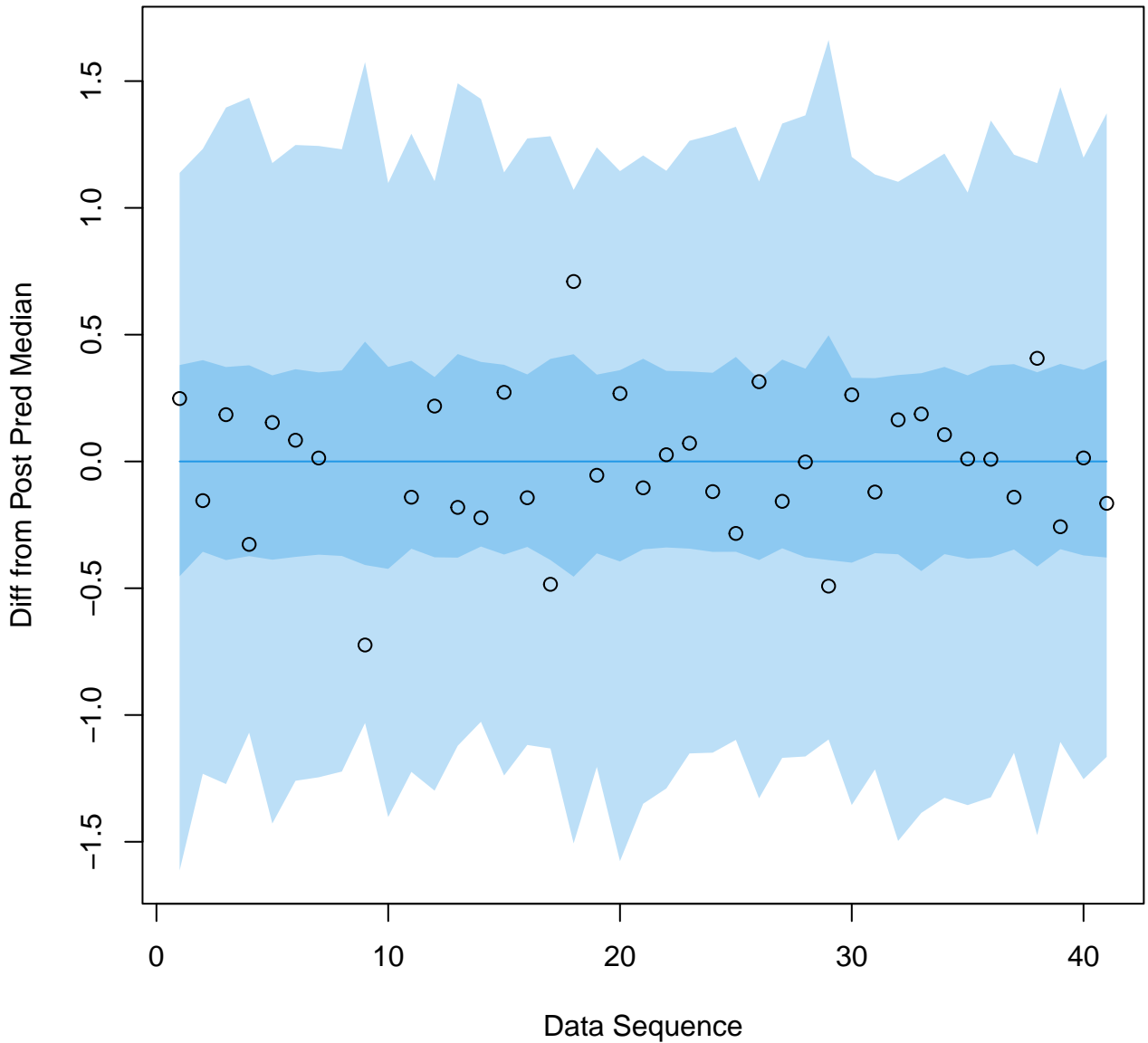


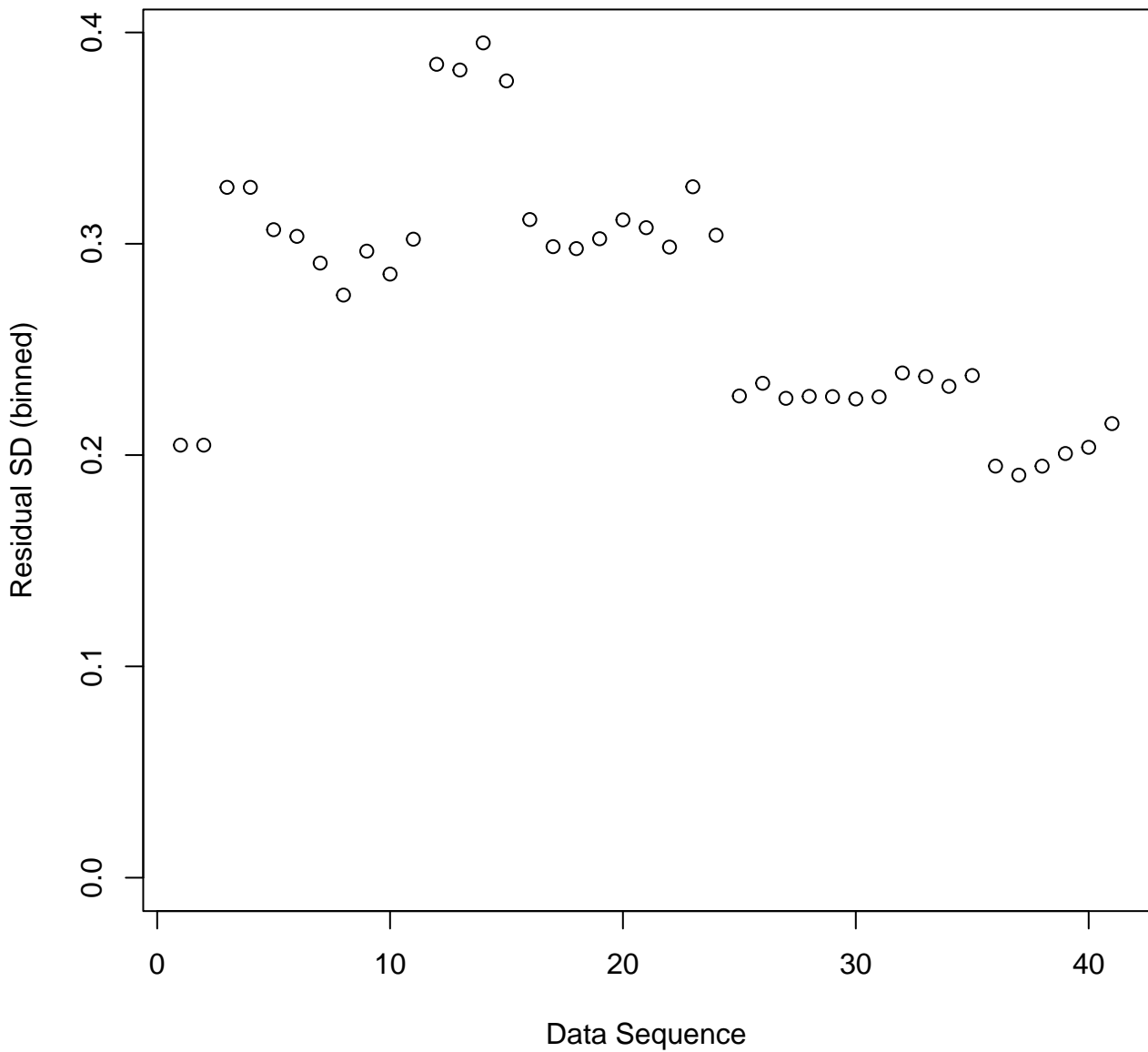


**Data y & Post Pred y
vs. Data Sequence**

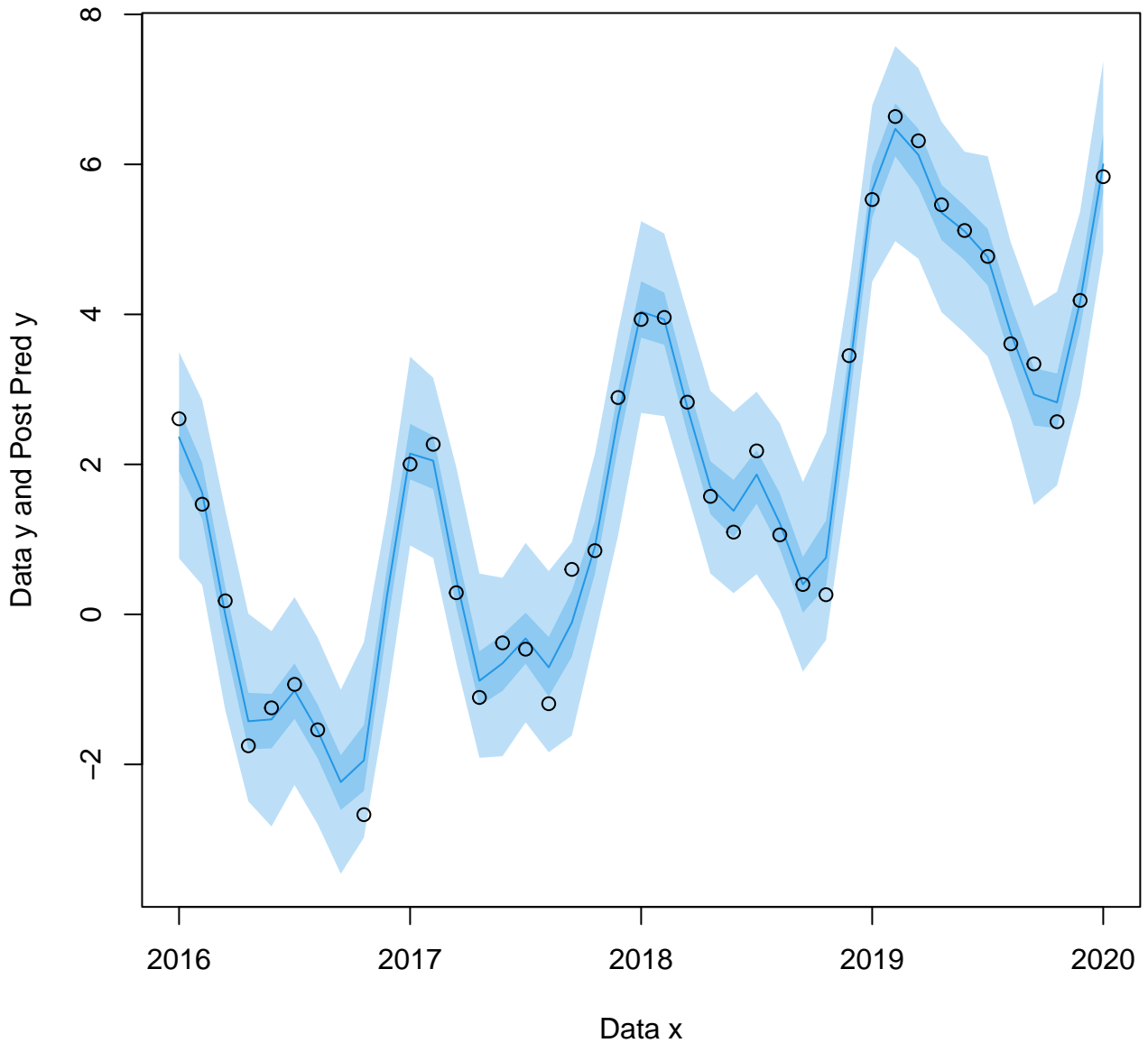


Residuals & PP Residual vs. Data Sequence

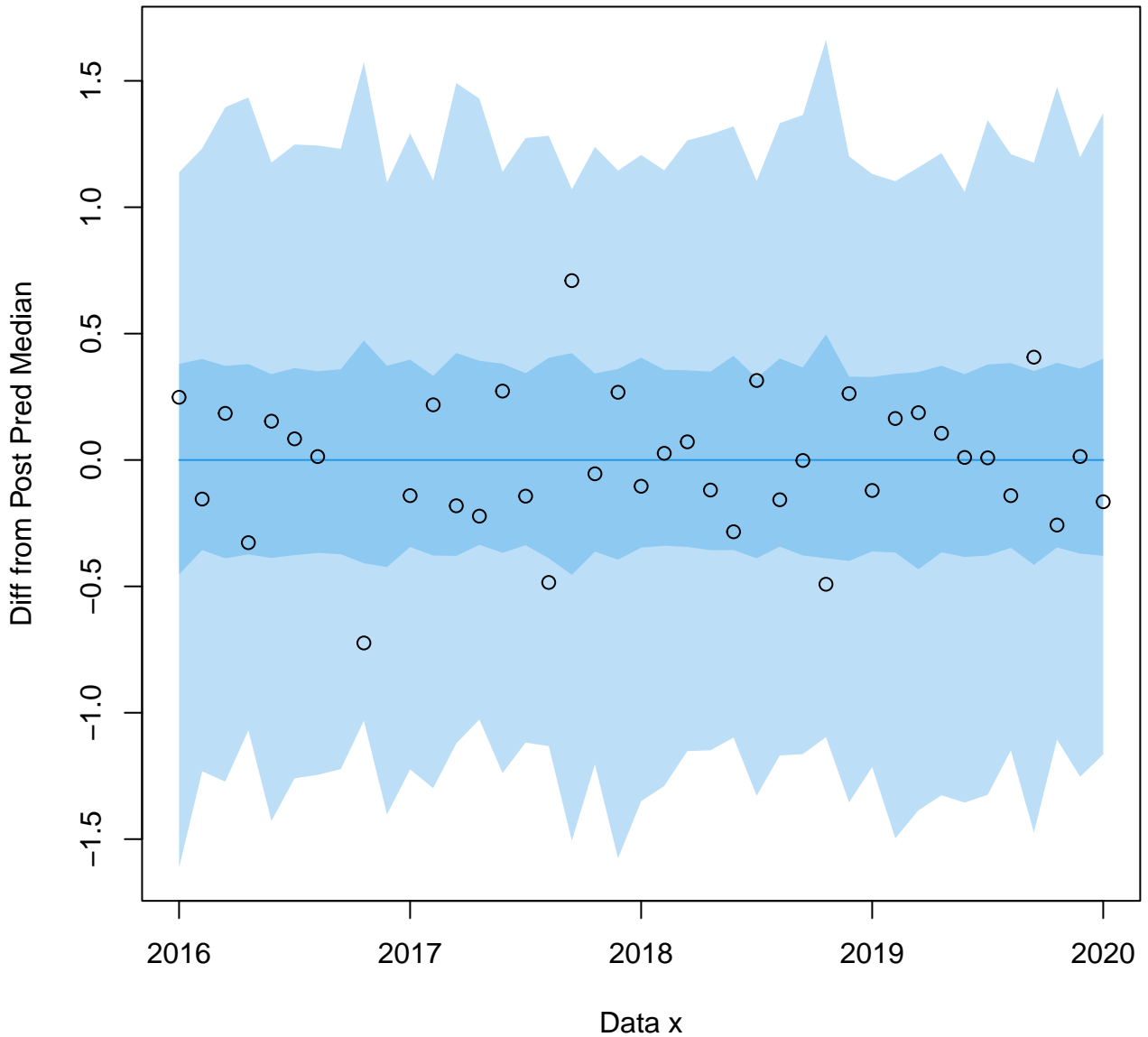


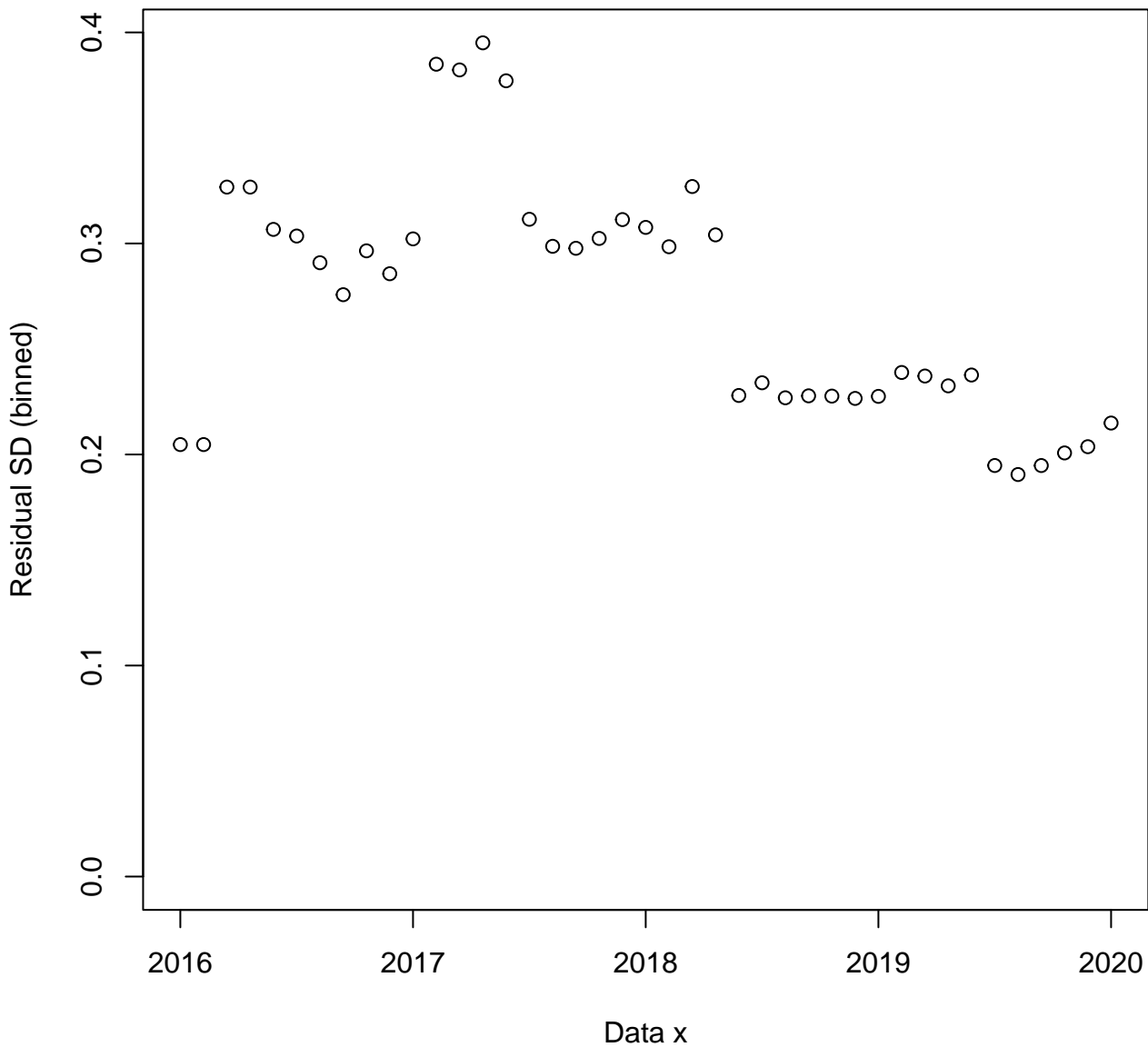


**Data y & Post Pred y
vs. Data x**

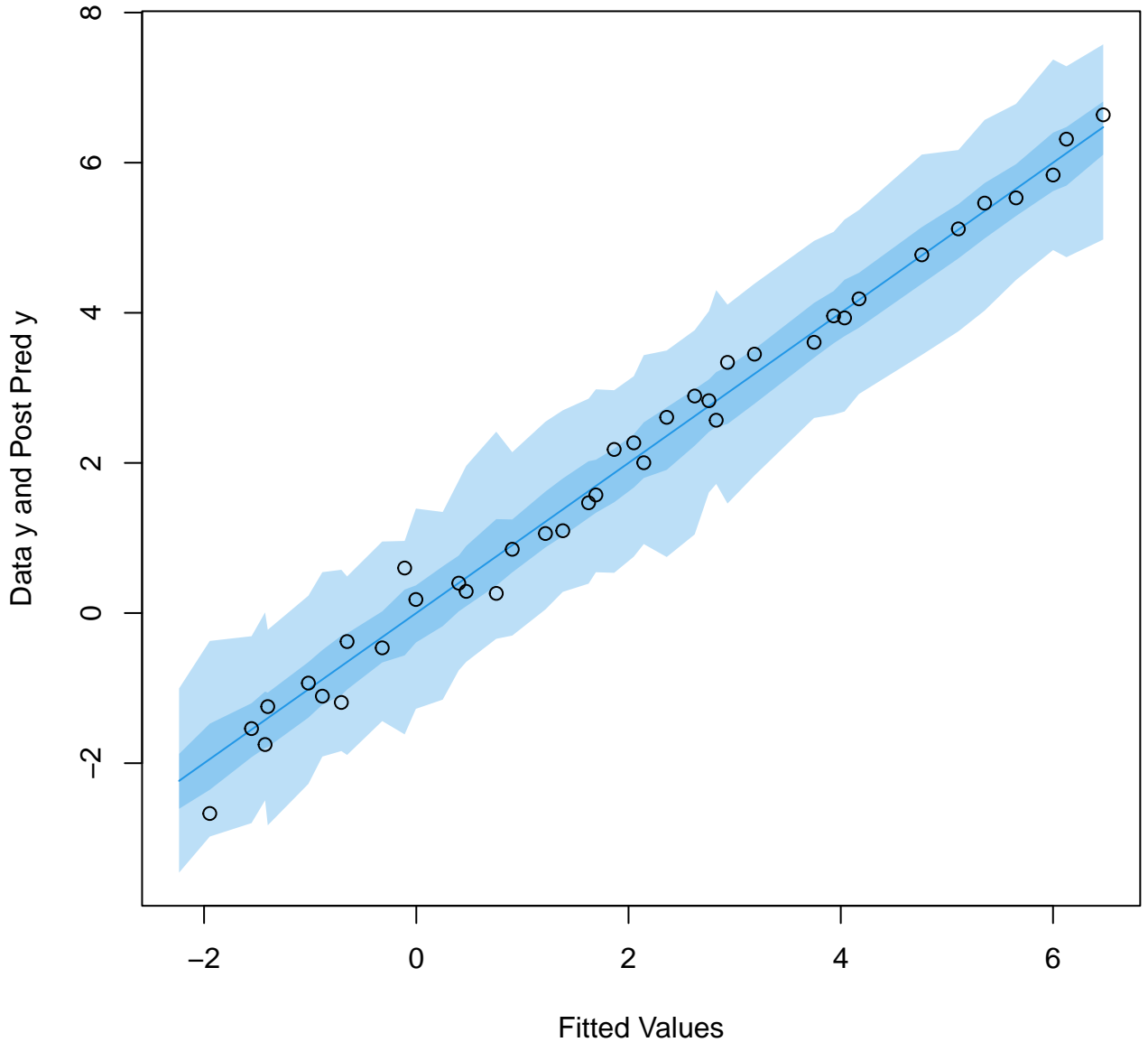


Residuals & PP Residual vs. Data x

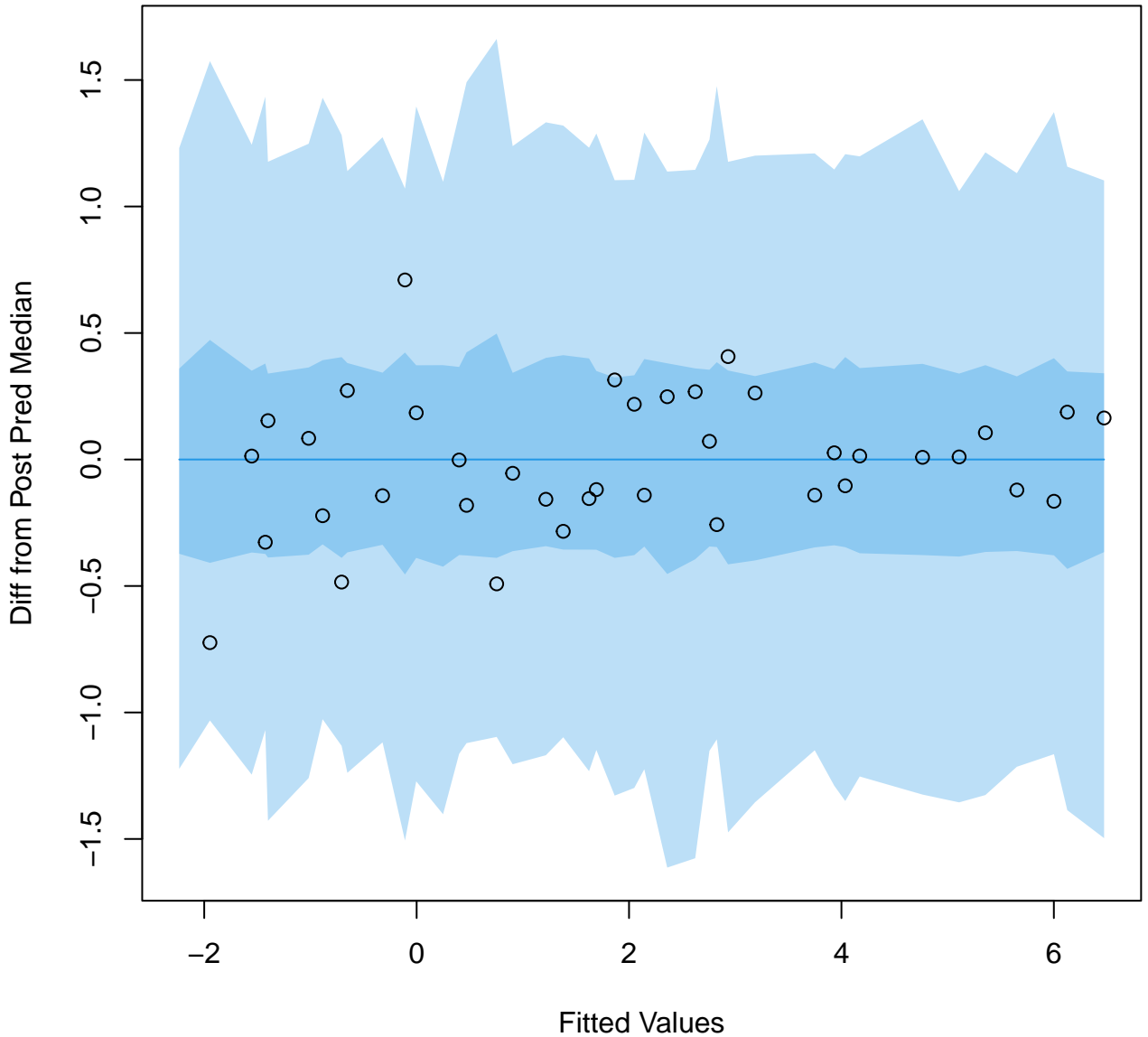


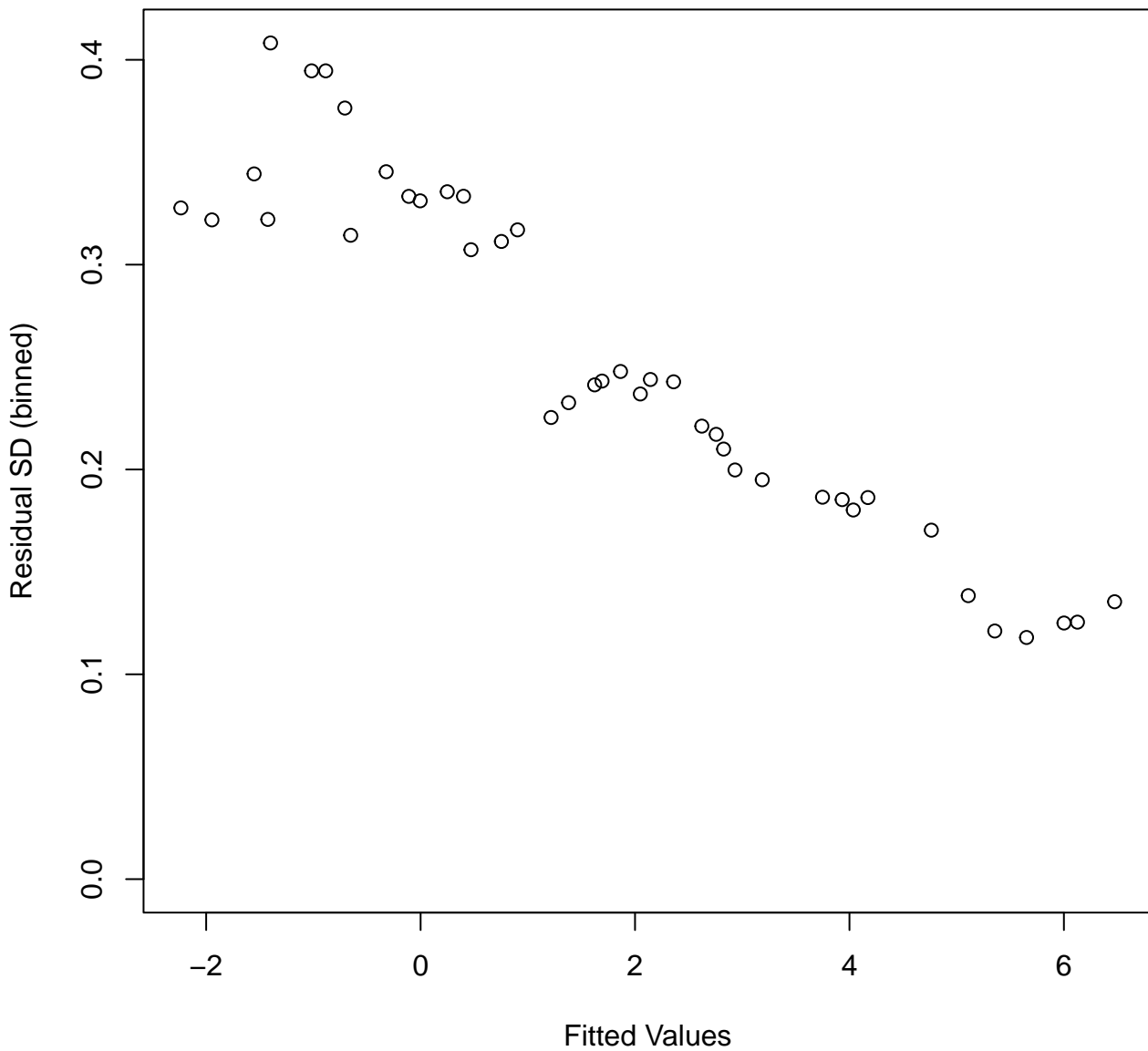


**Data y & Post Pred y
vs. Fitted Values**

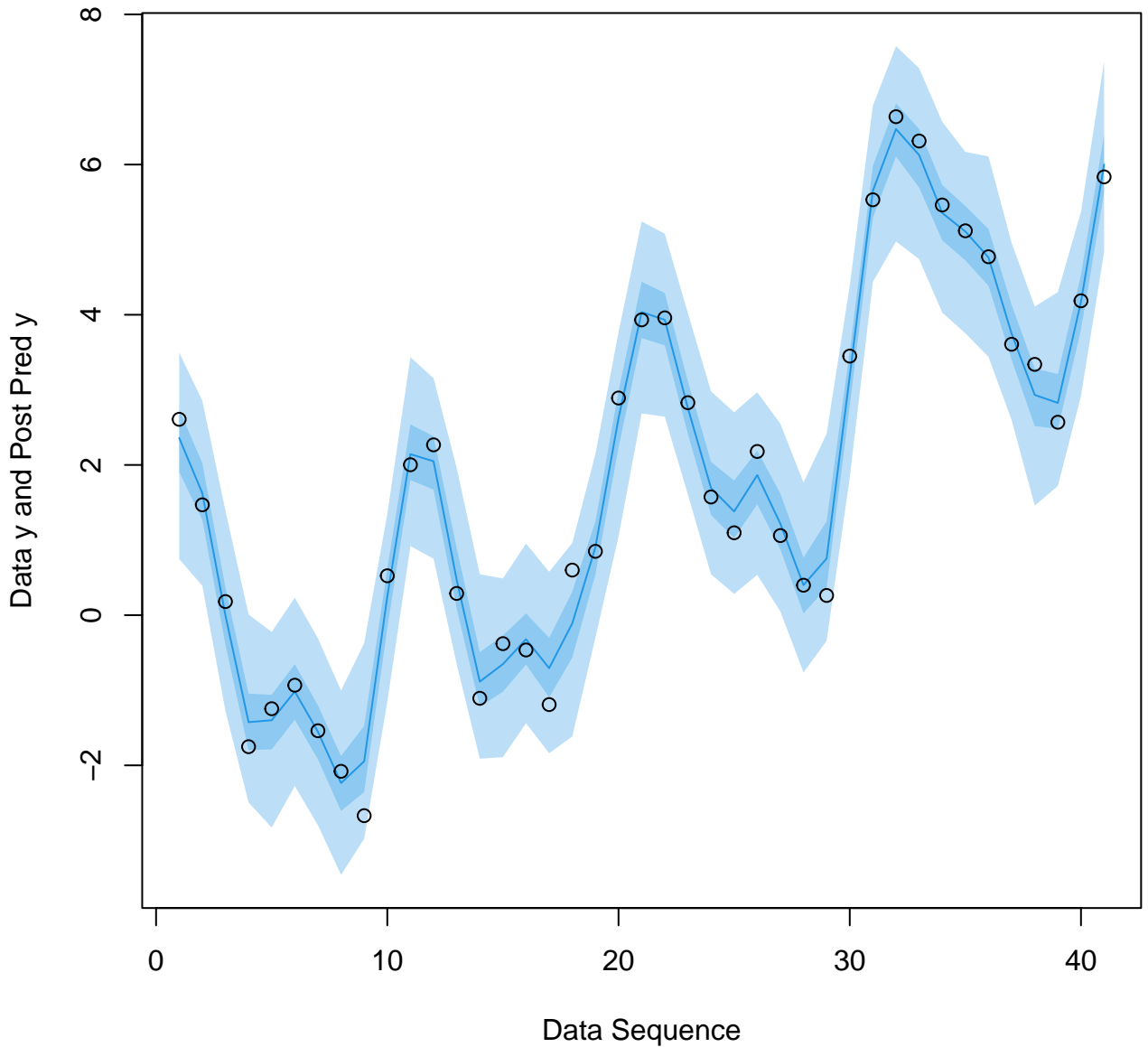


Residuals & PP Residual vs. Fitted Values

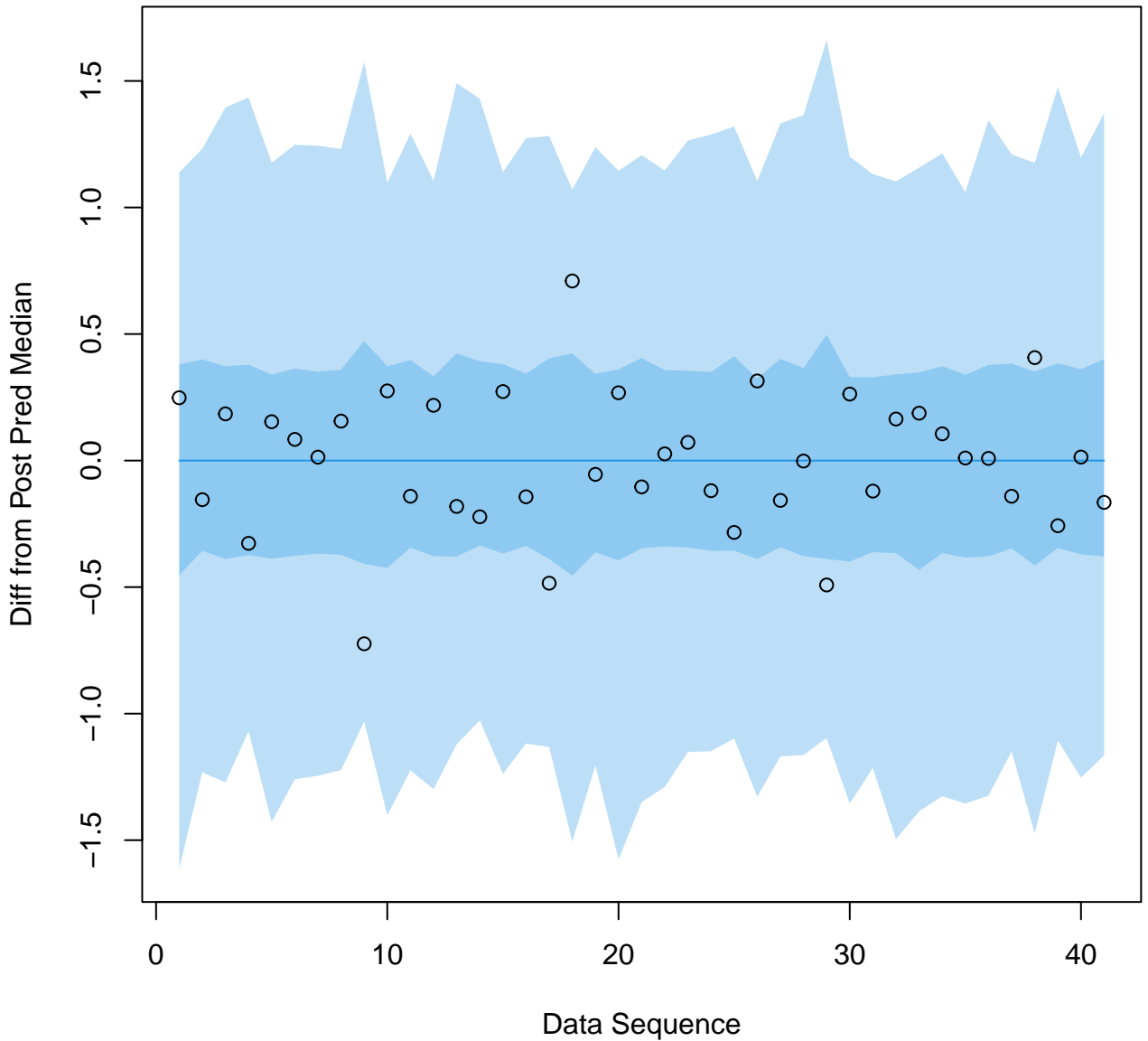


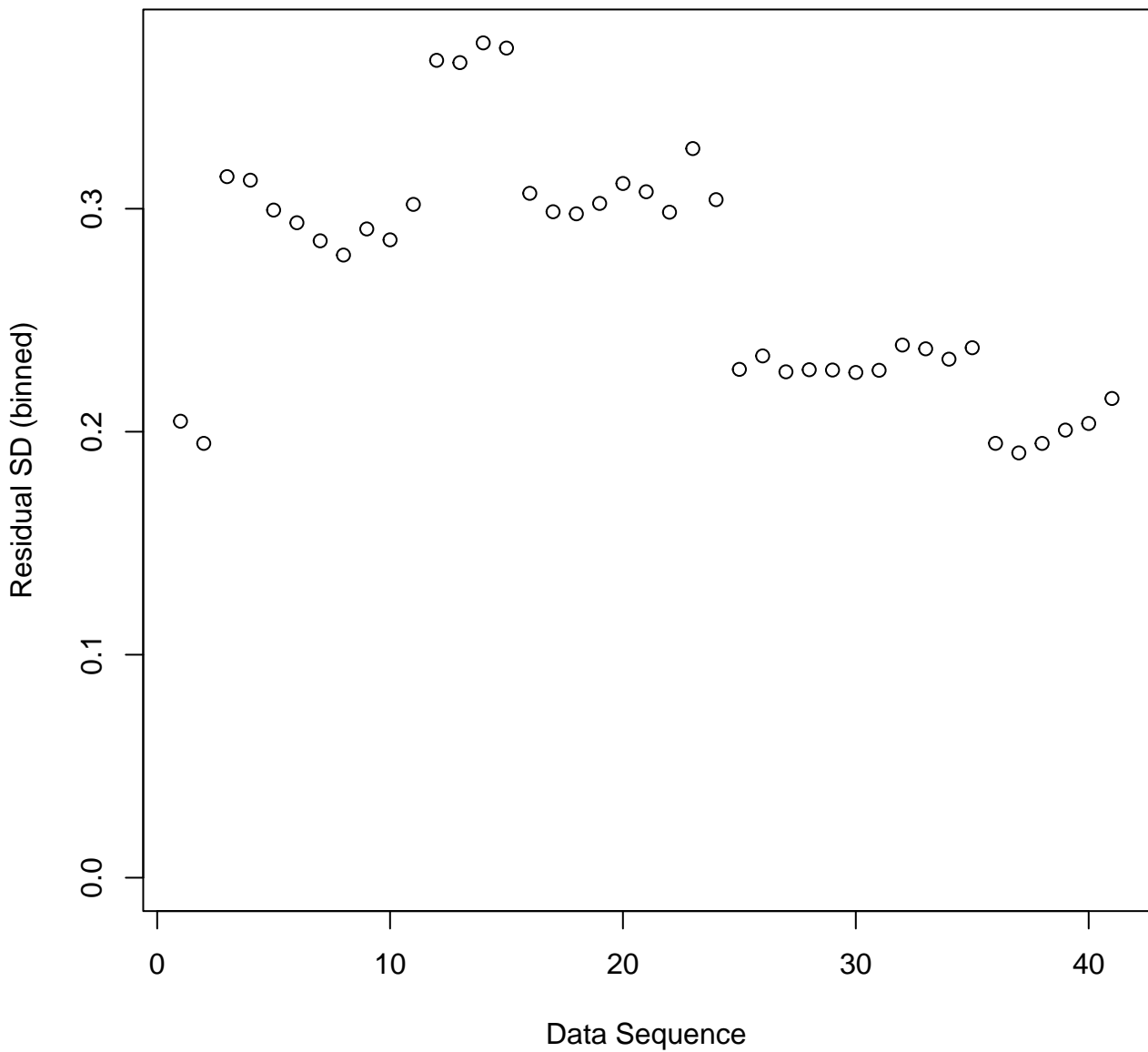


**Data y & Post Pred y
vs. Data Sequence**

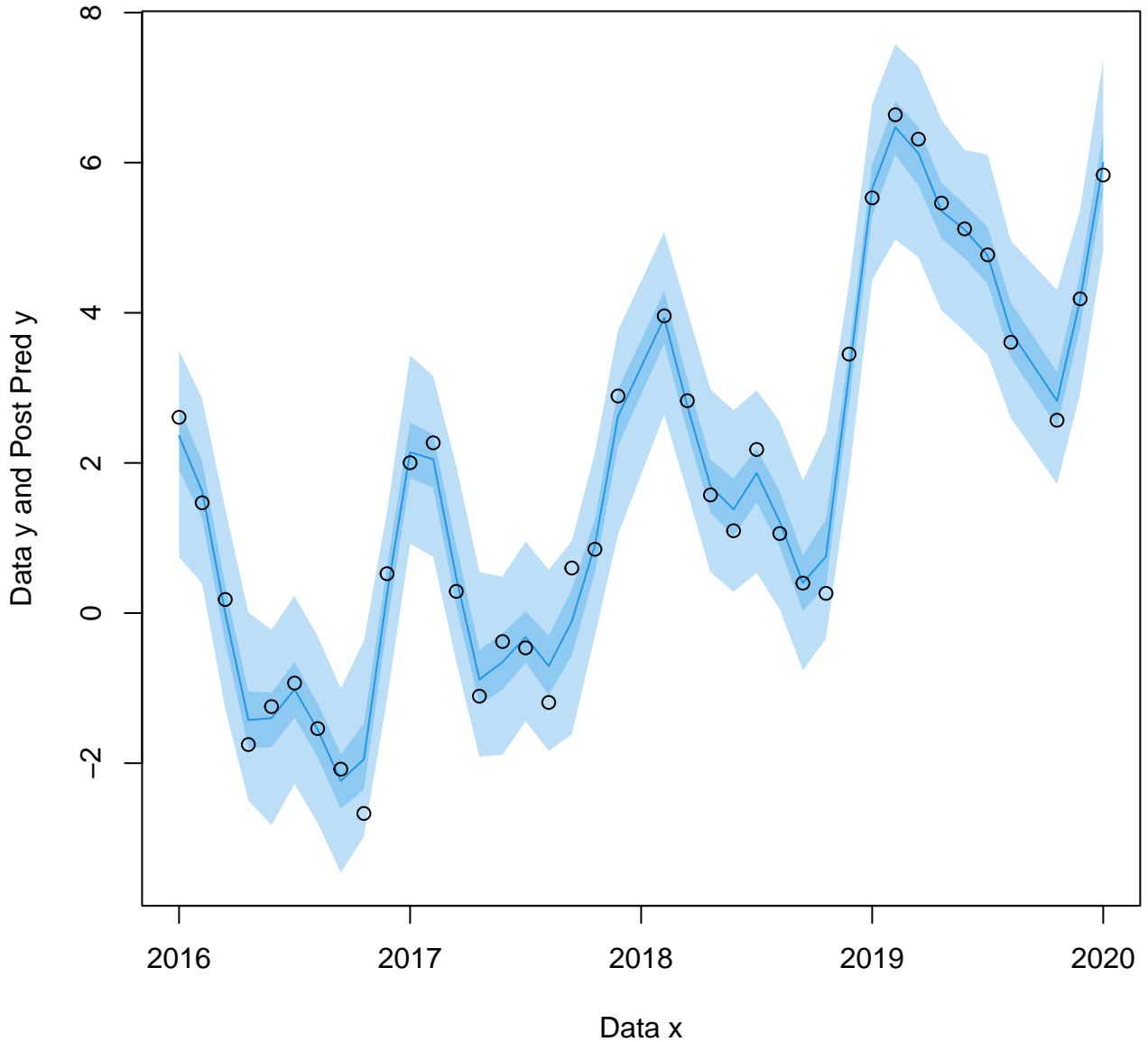


Residuals & PP Residual vs. Data Sequence

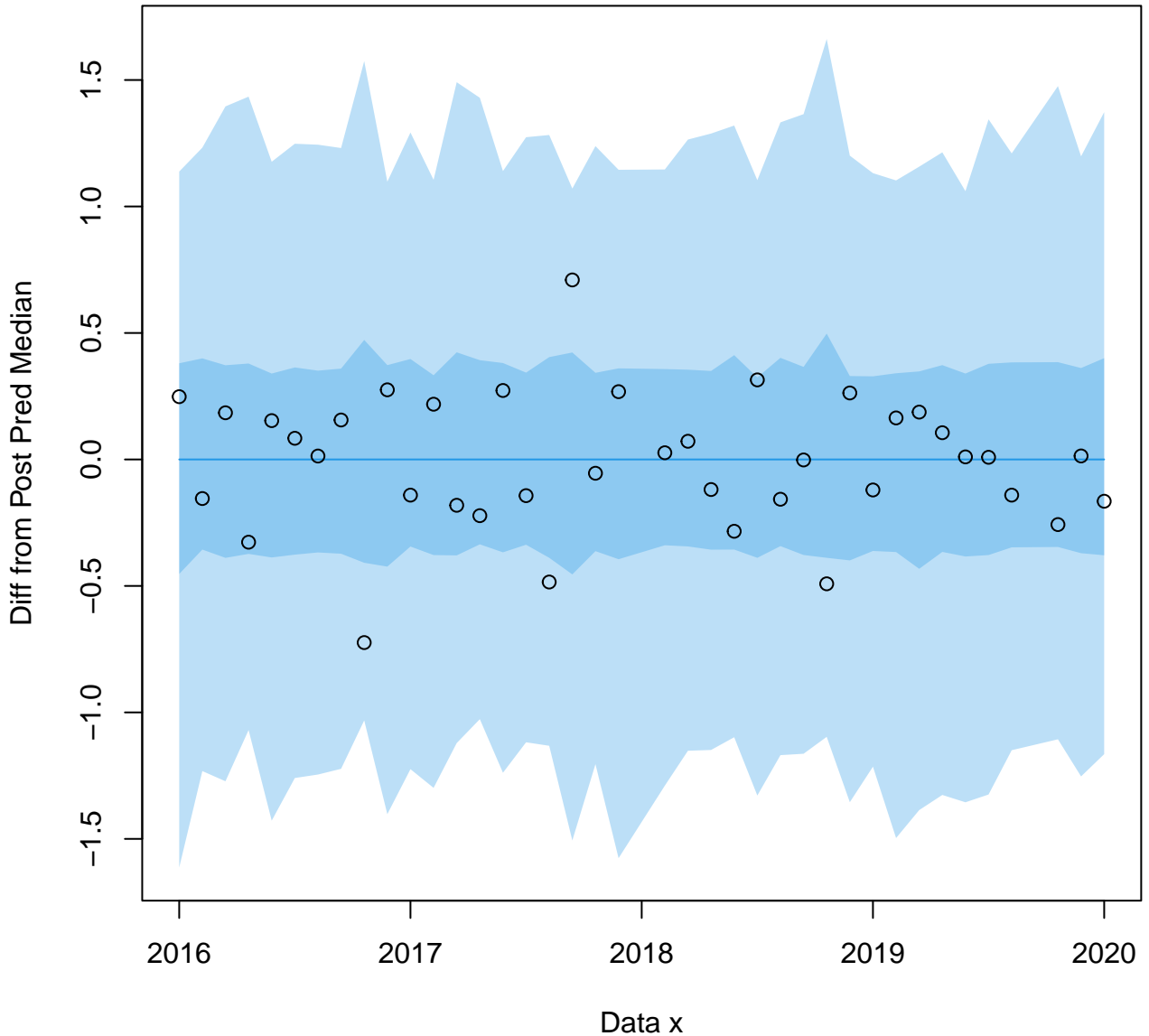


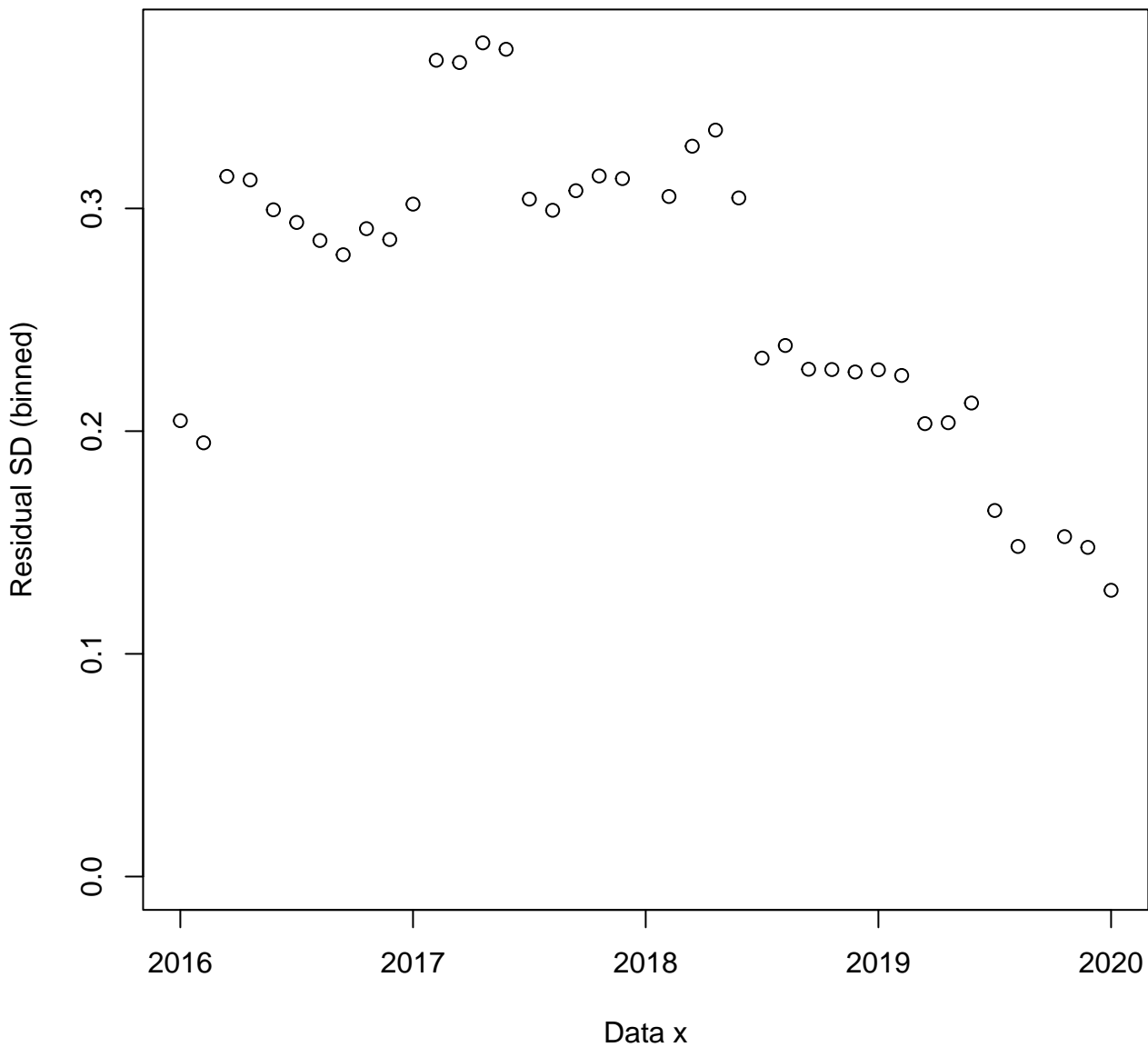


**Data y & Post Pred y
vs. Data x**

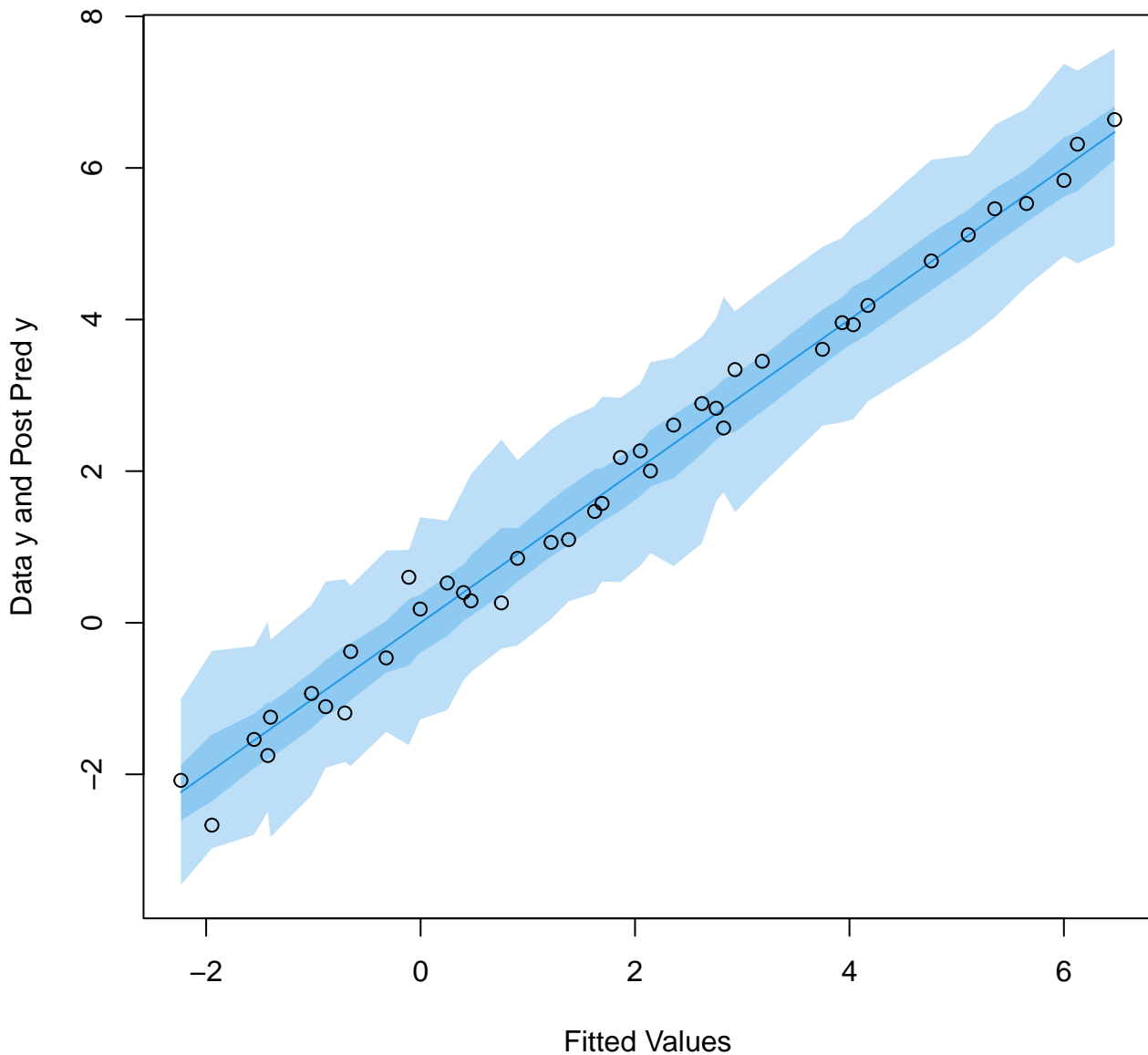


Residuals & PP Residual vs. Data x

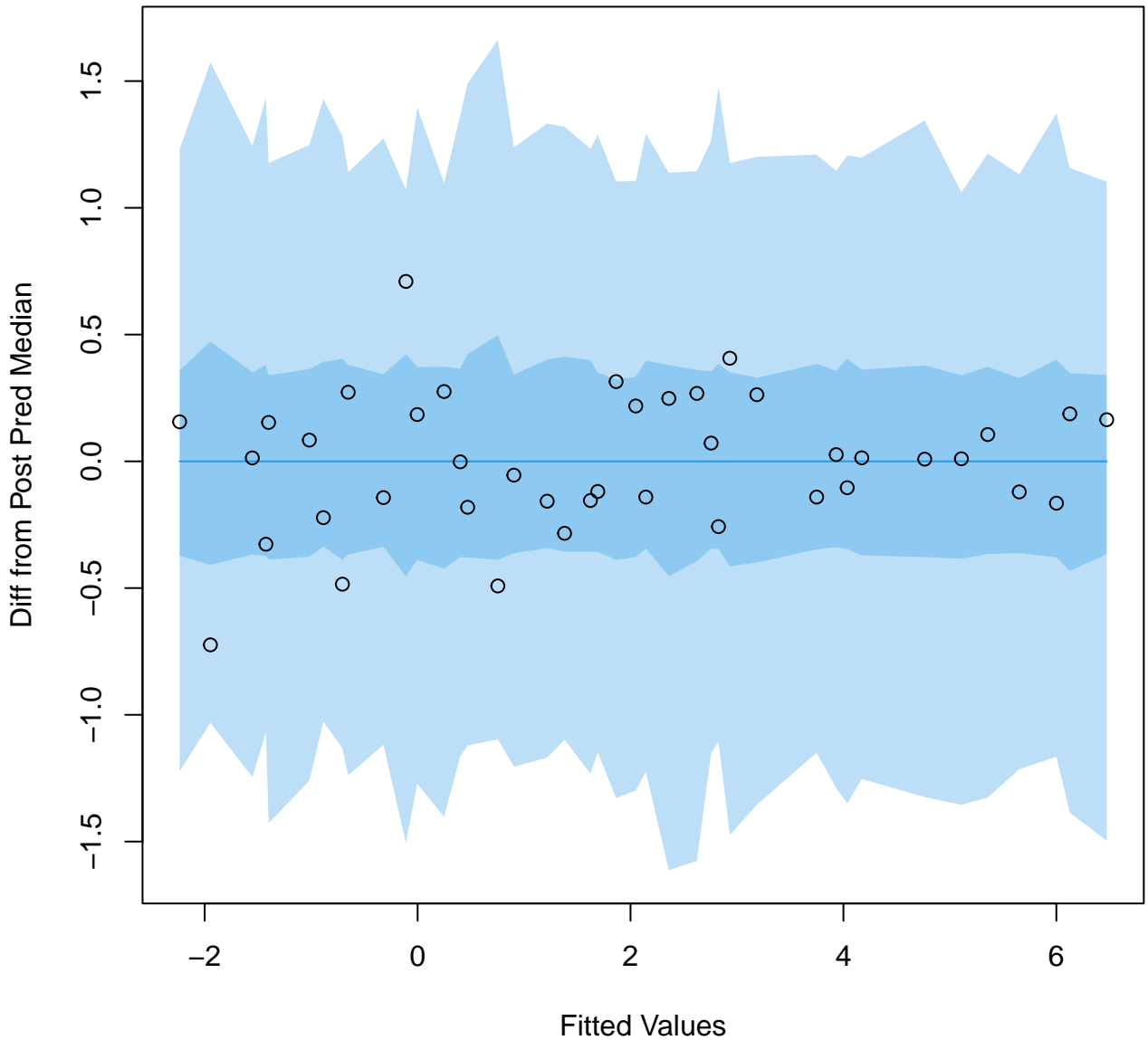


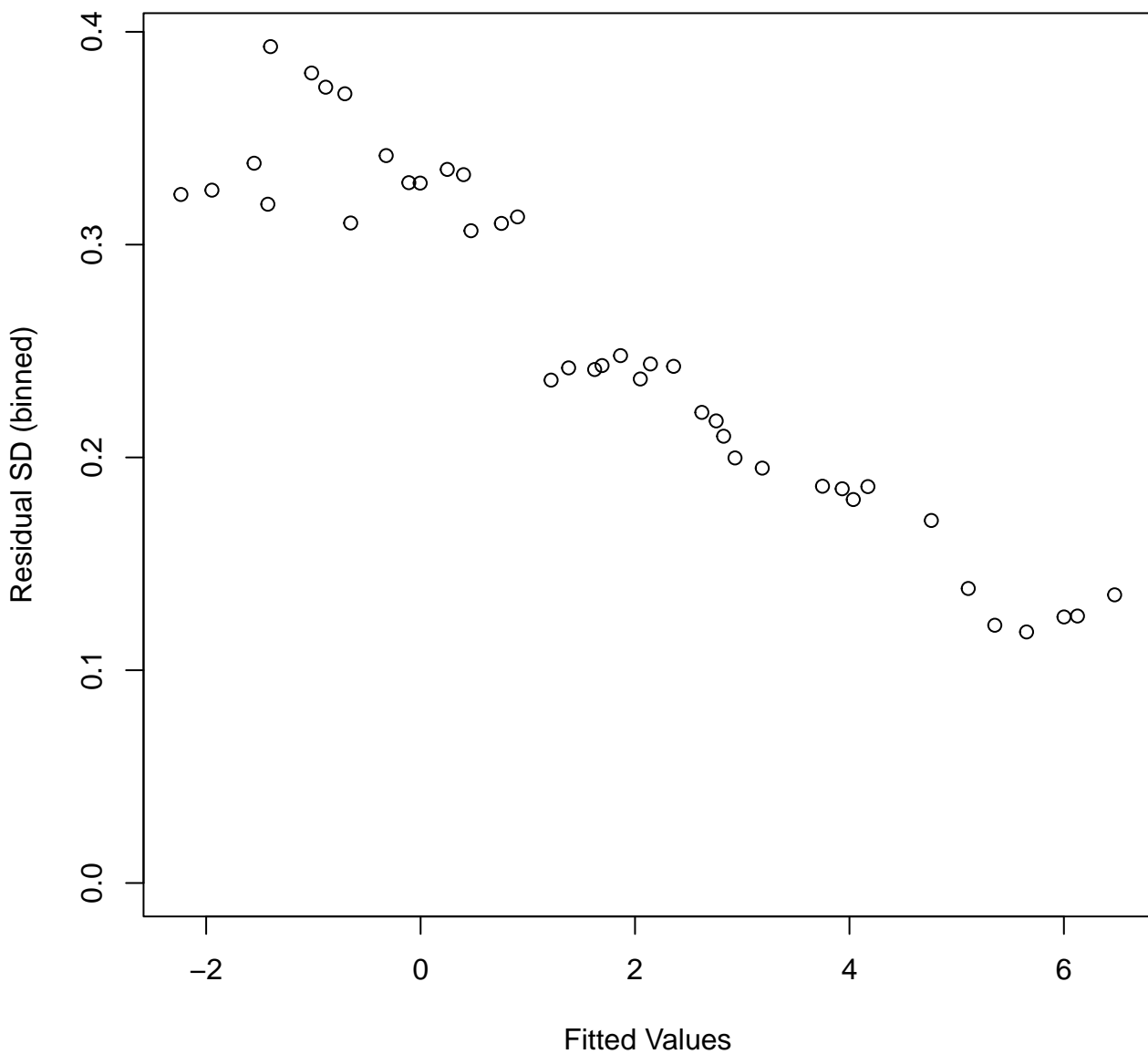


**Data y & Post Pred y
vs. Fitted Values**

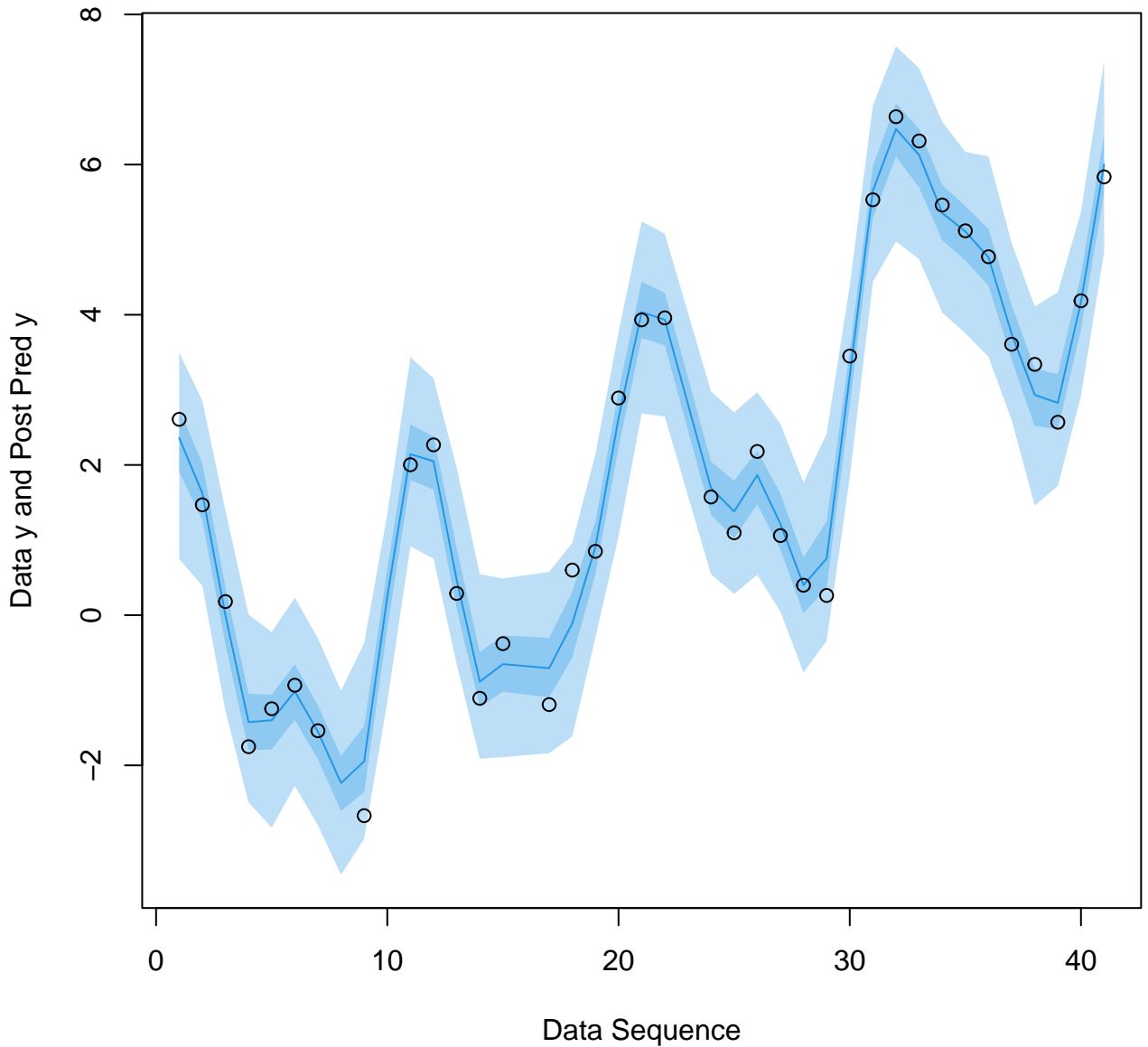


Residuals & PP Residual vs. Fitted Values

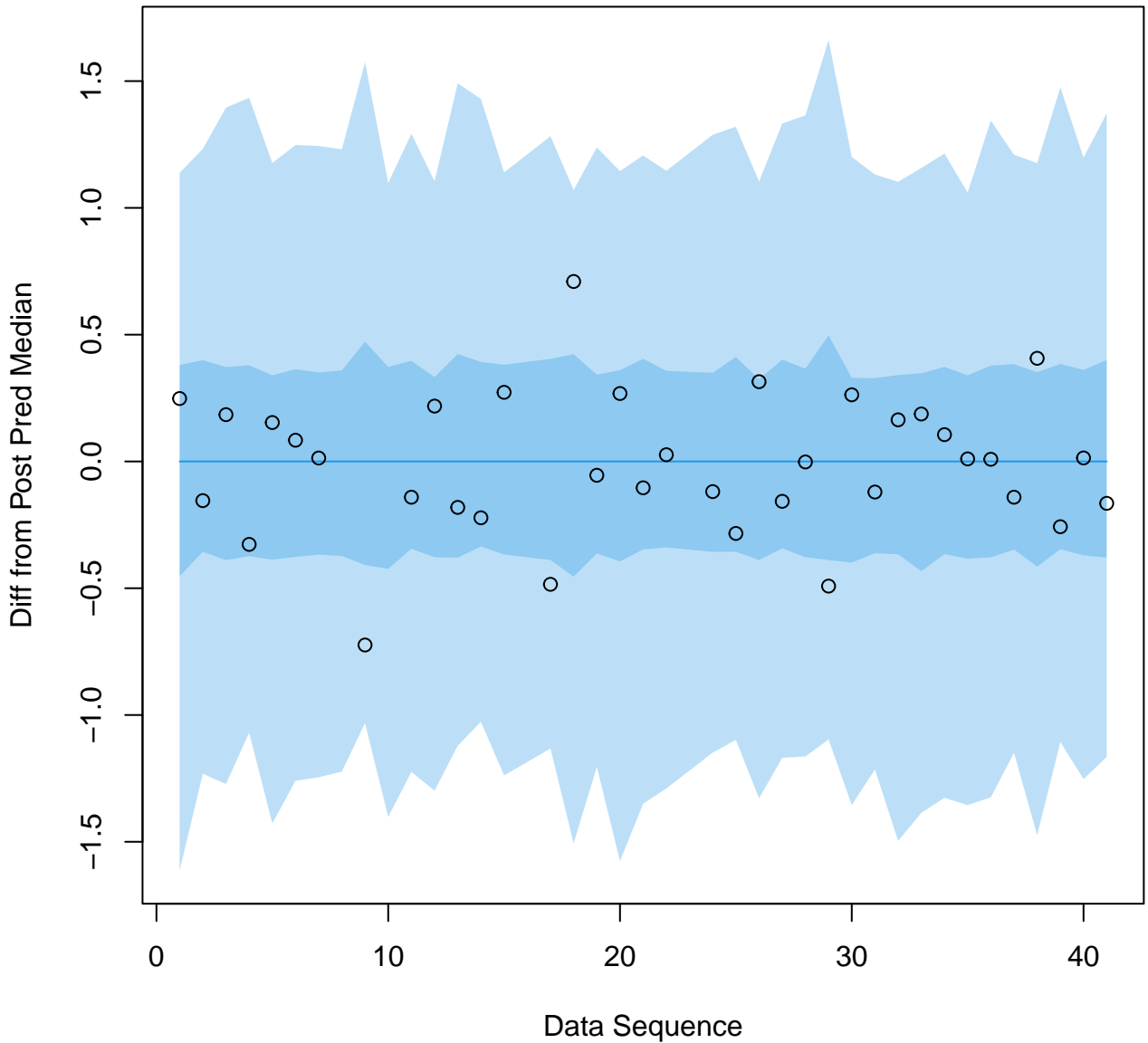


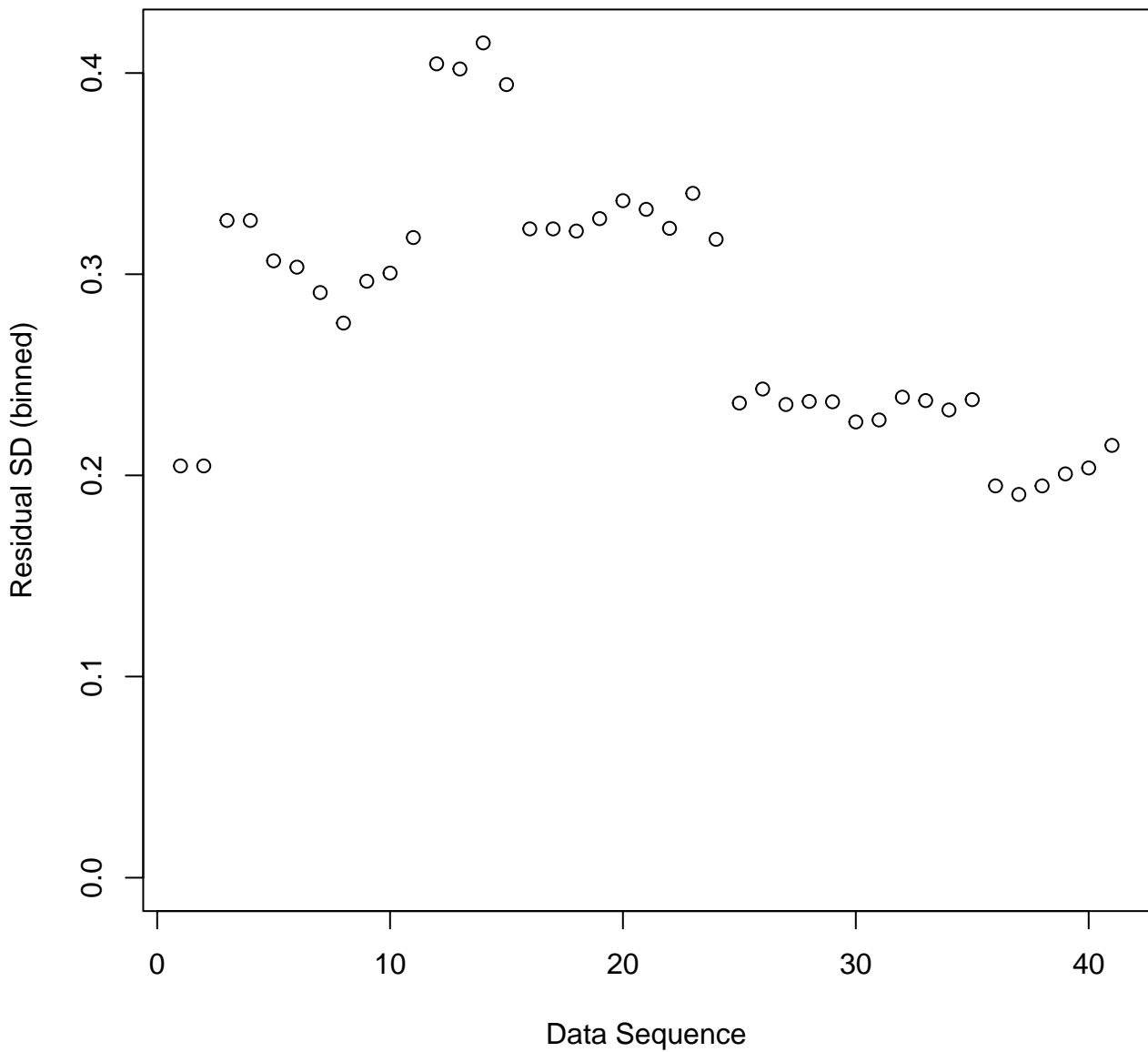


**Data y & Post Pred y
vs. Data Sequence**

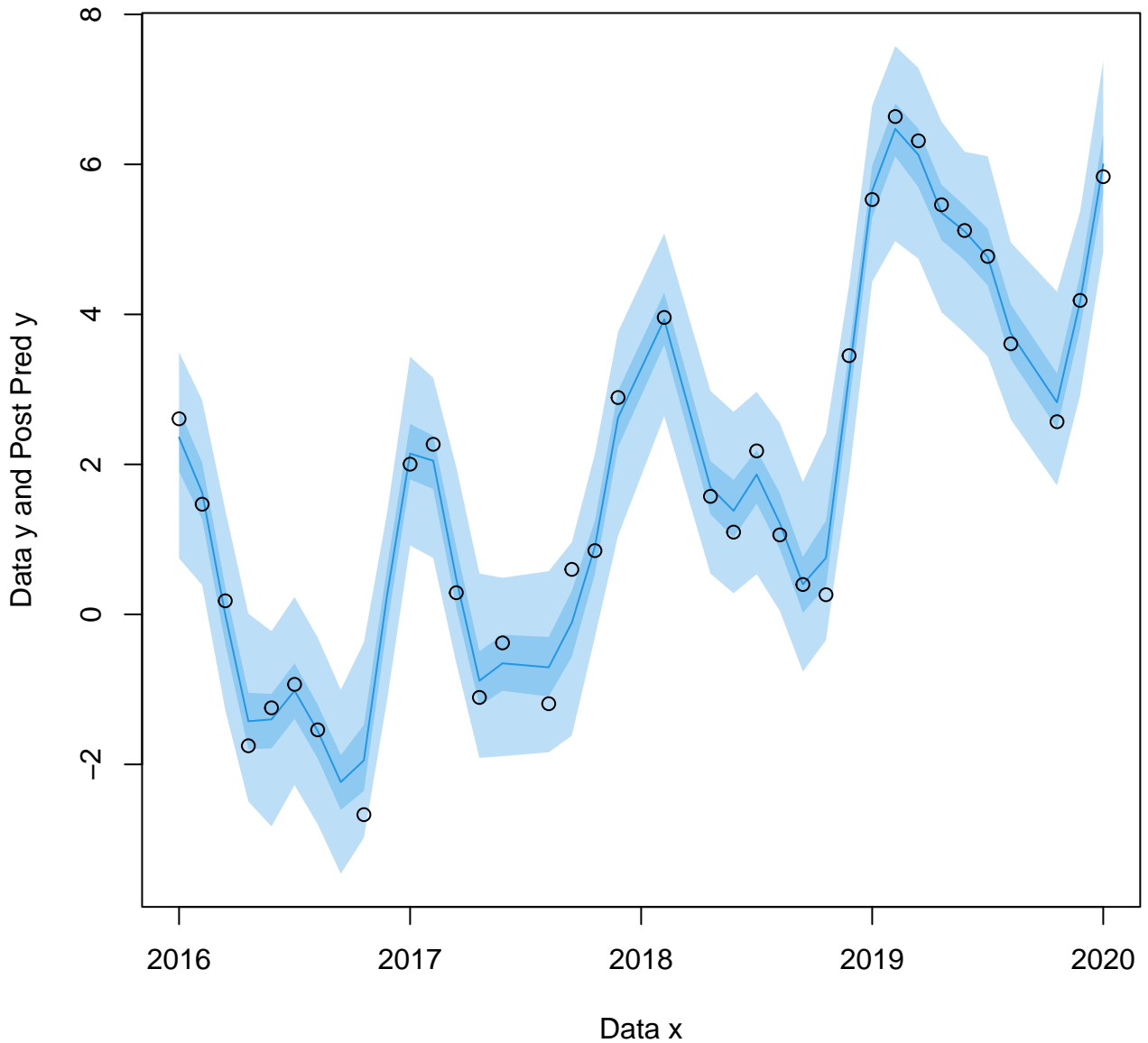


Residuals & PP Residual vs. Data Sequence

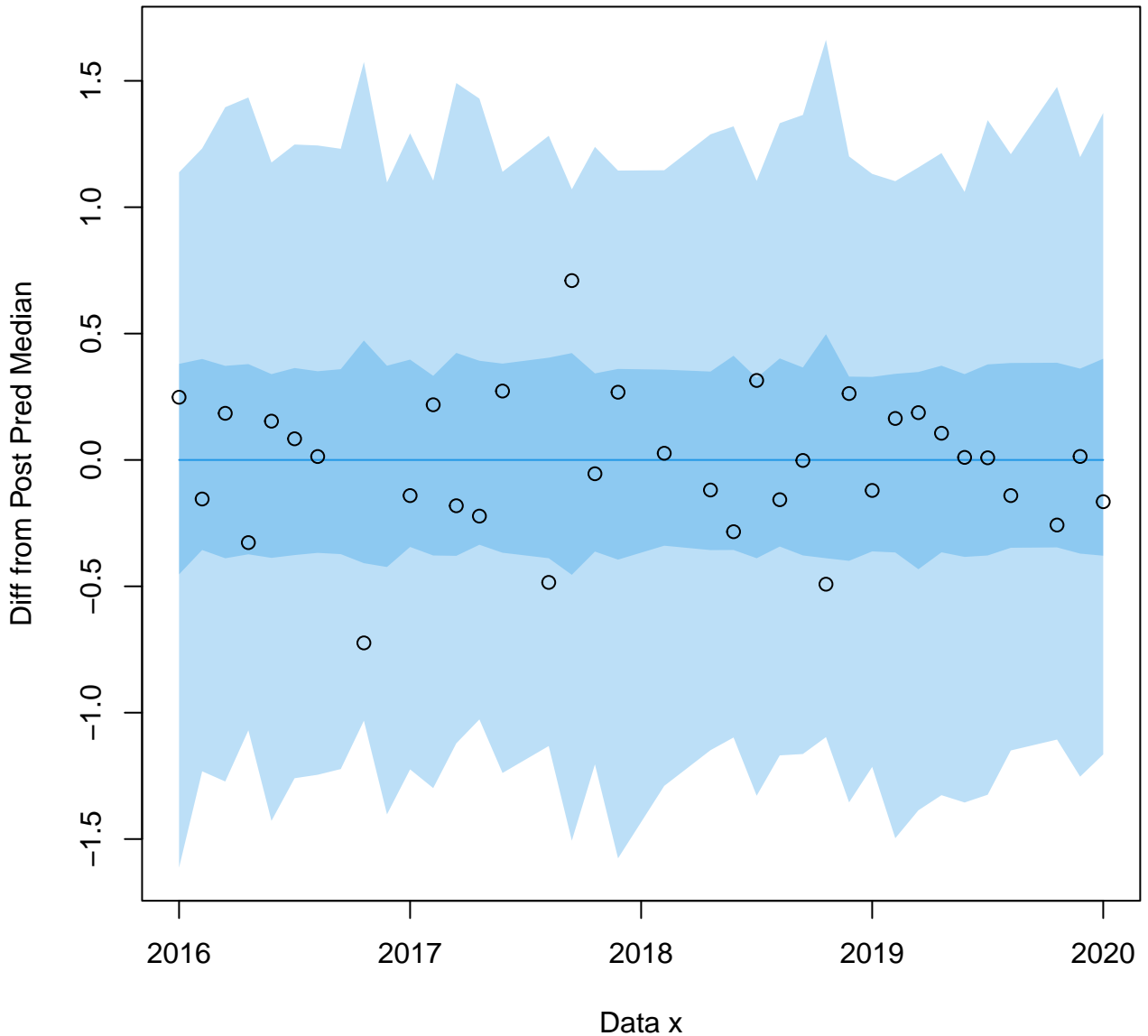


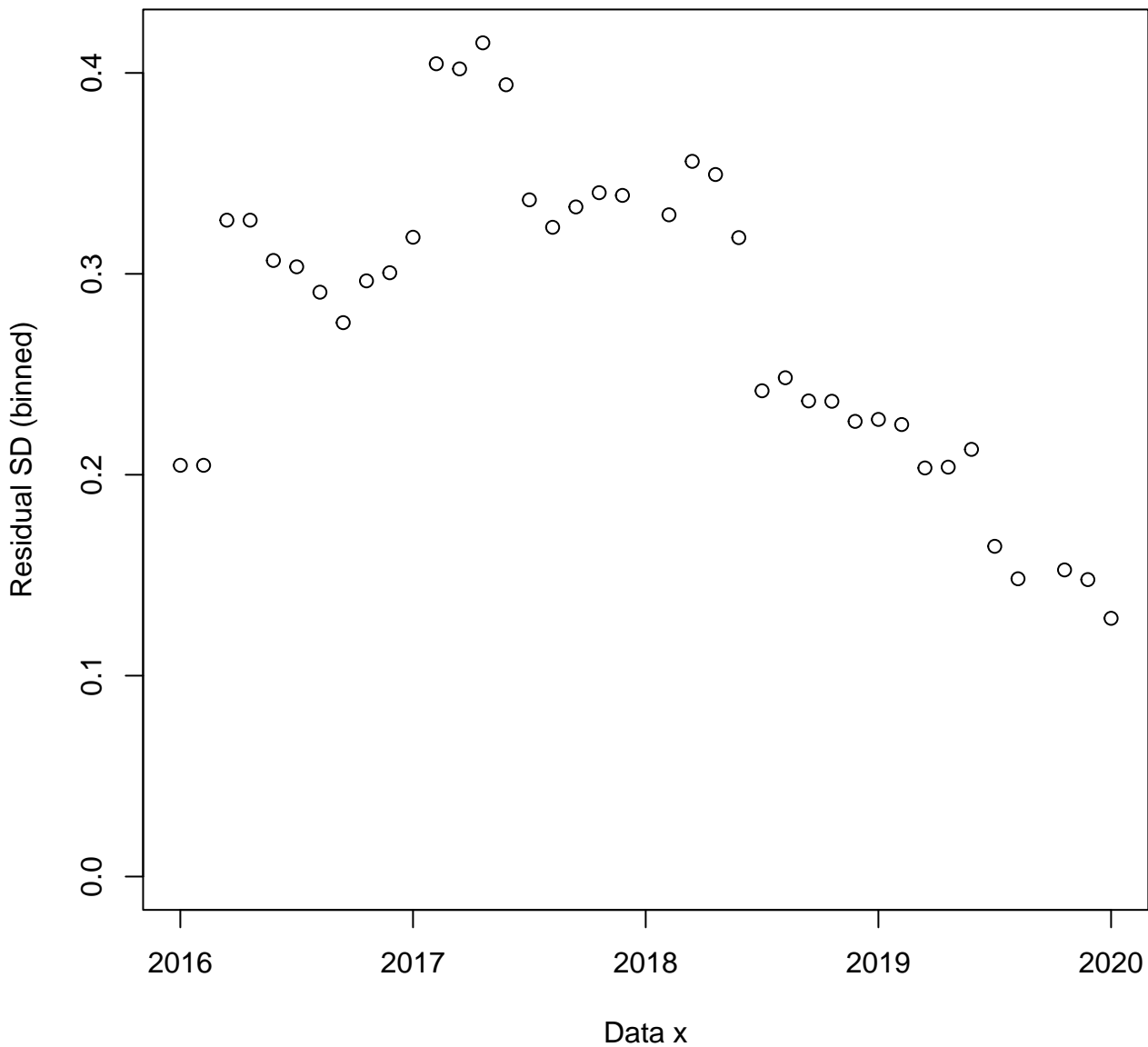


**Data y & Post Pred y
vs. Data x**

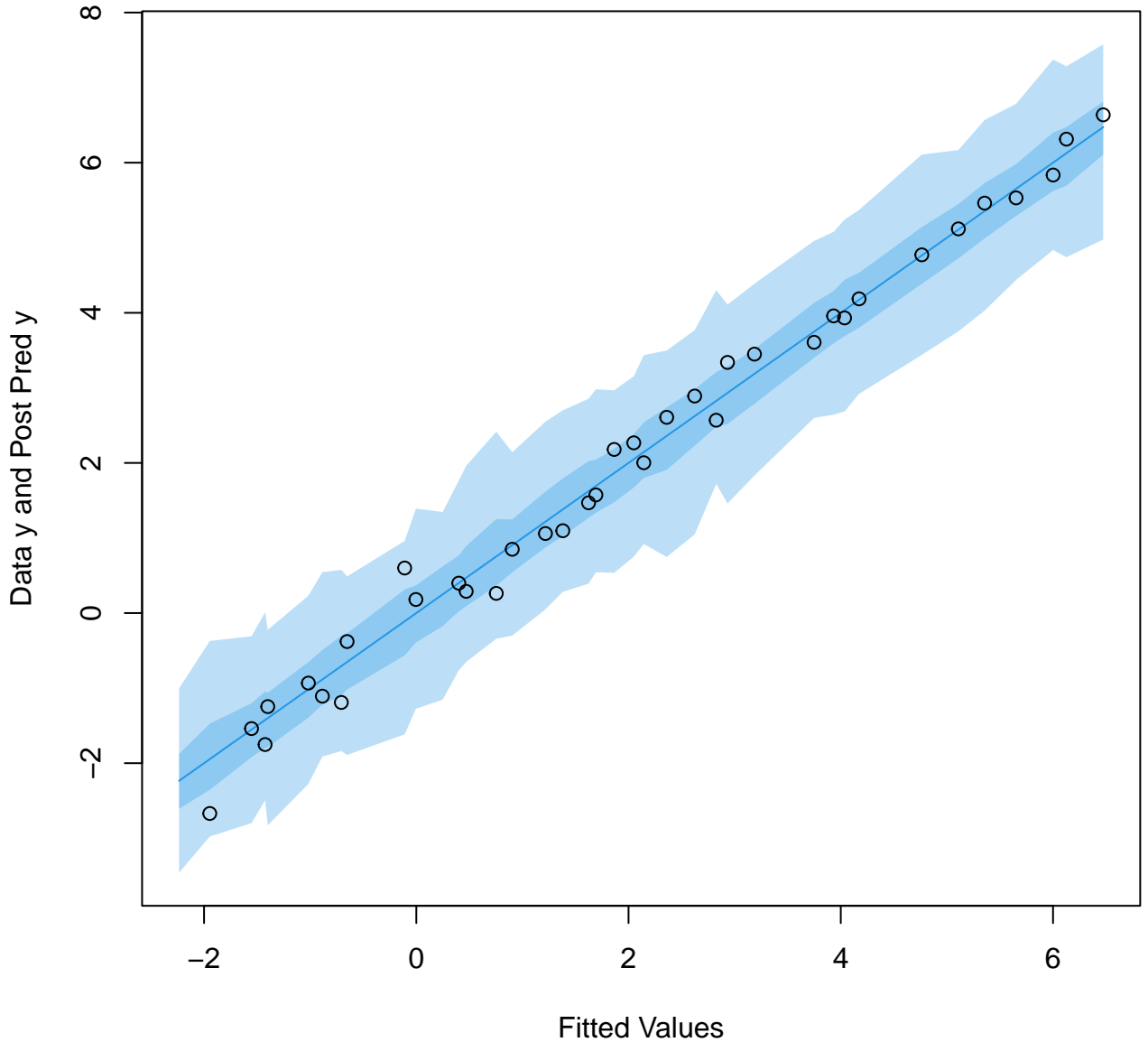


Residuals & PP Residual vs. Data x





**Data y & Post Pred y
vs. Fitted Values**



Residuals & PP Residual vs. Fitted Values

