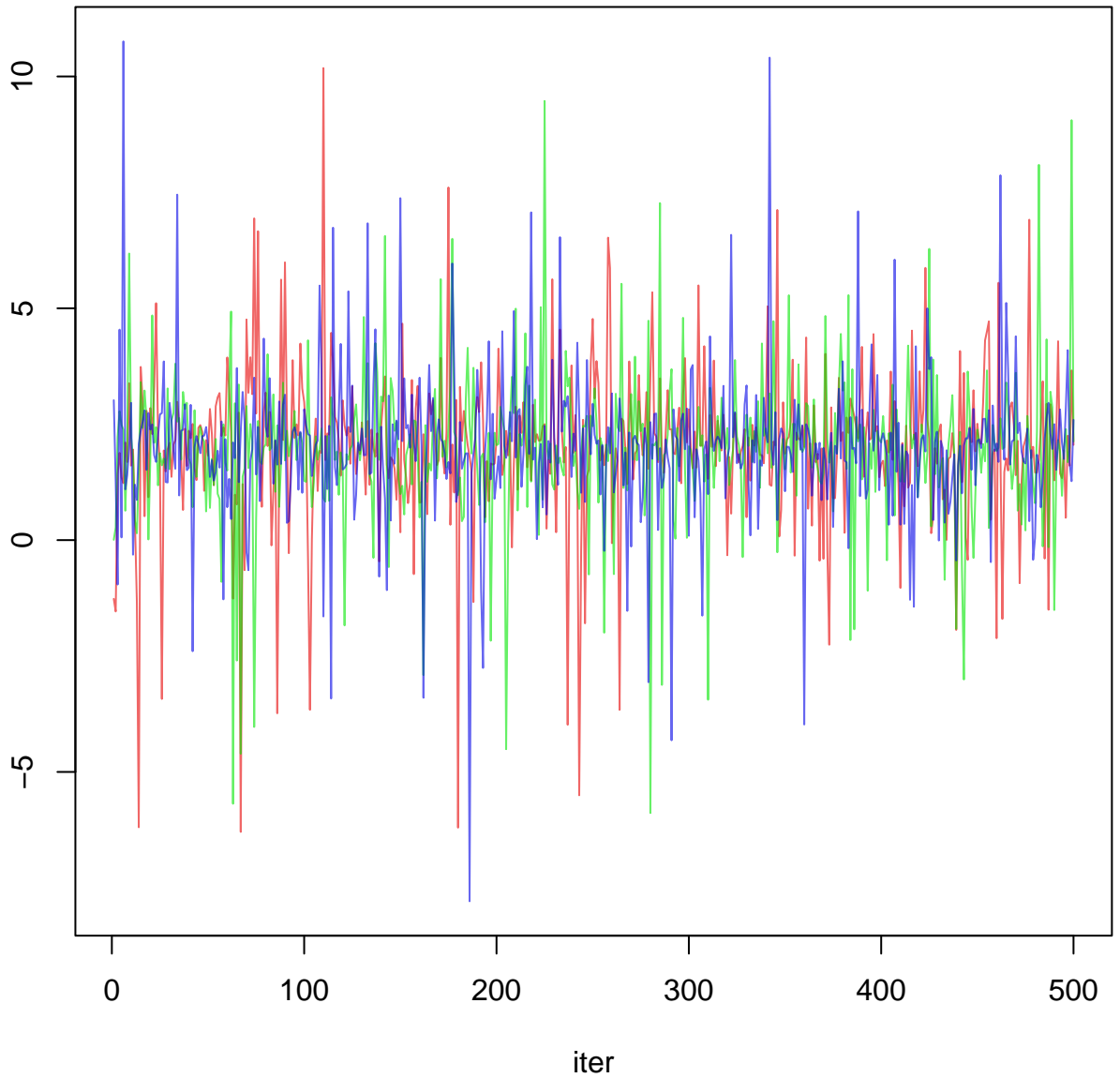
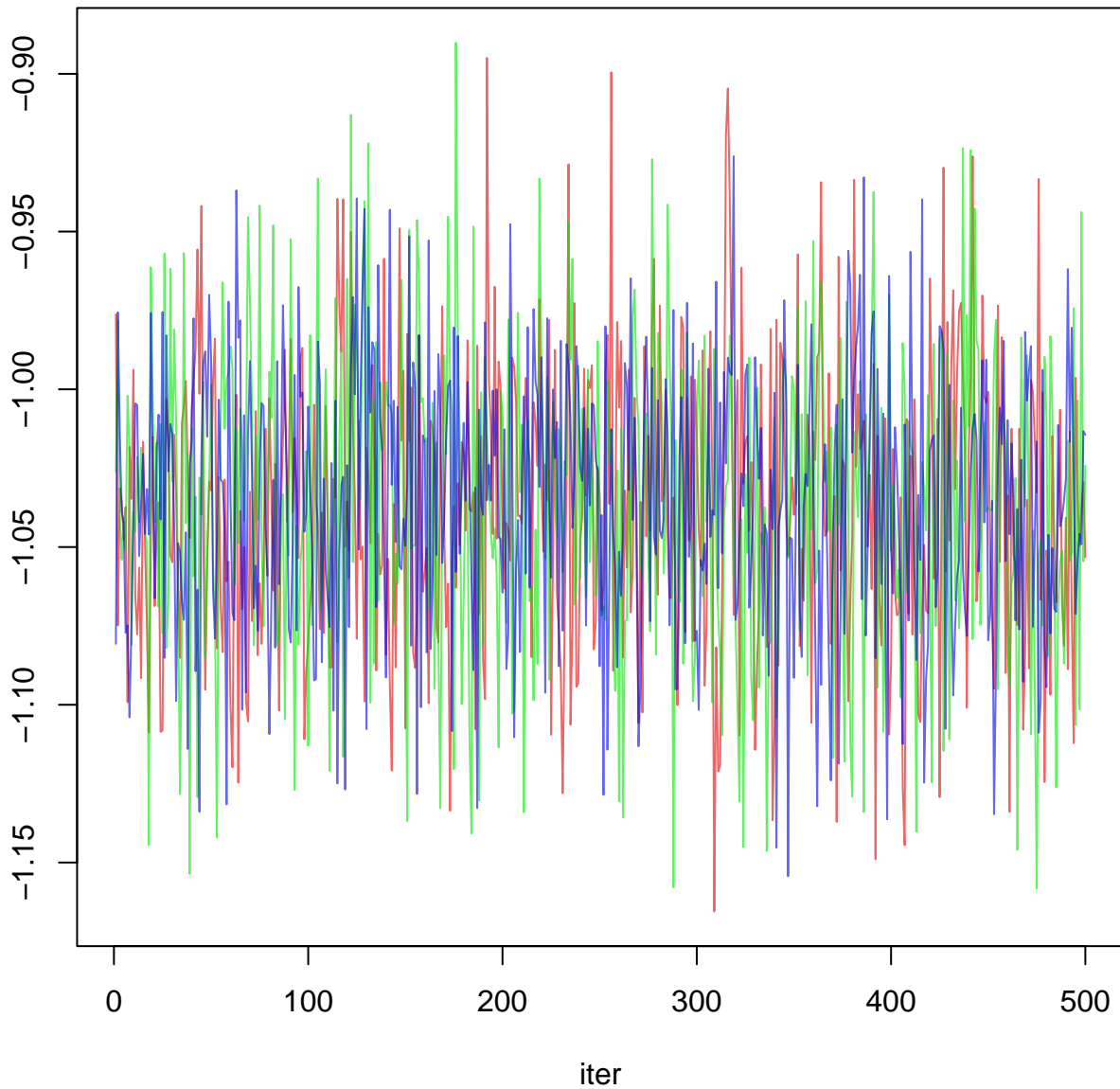


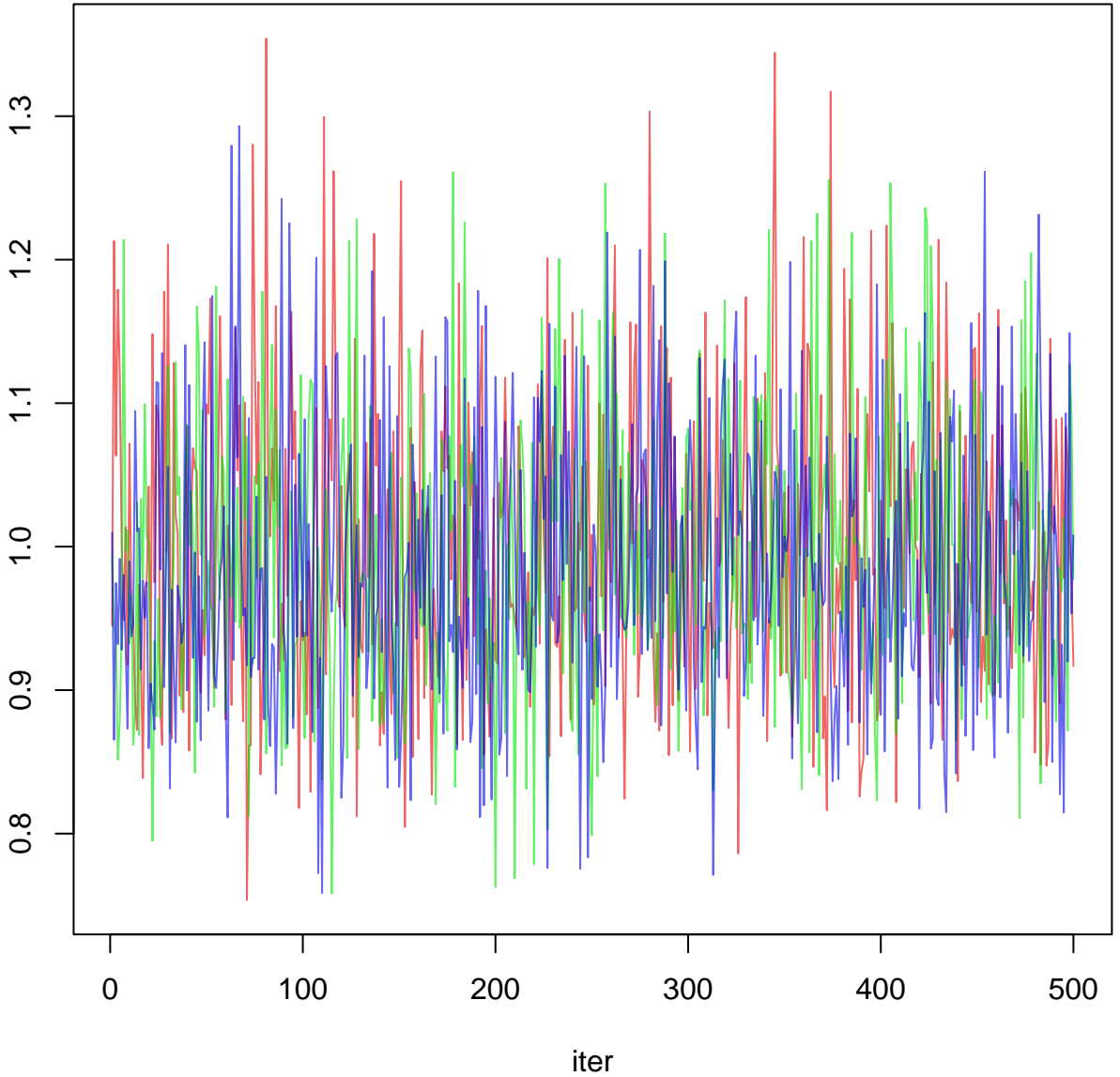
b0



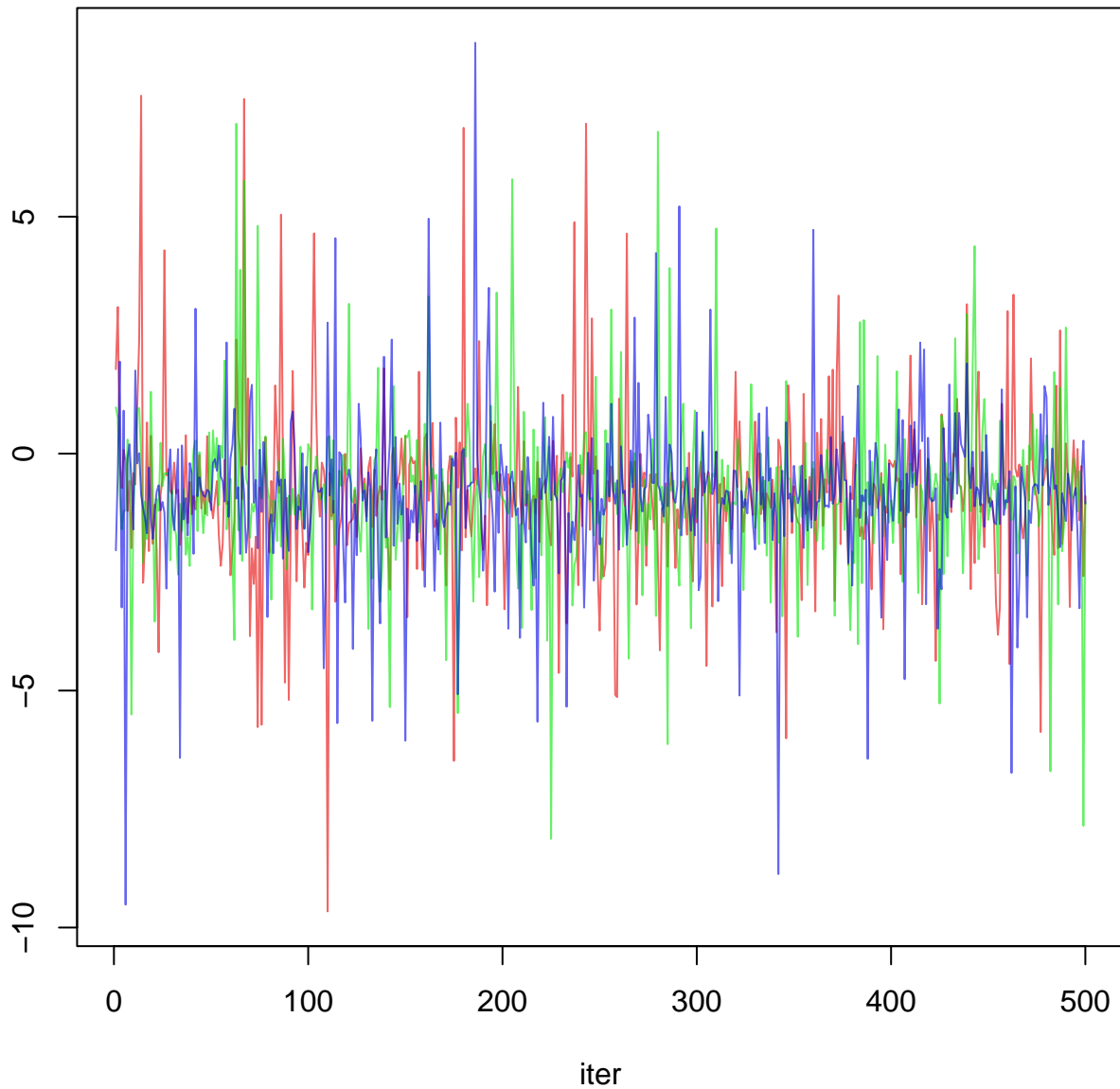
b1



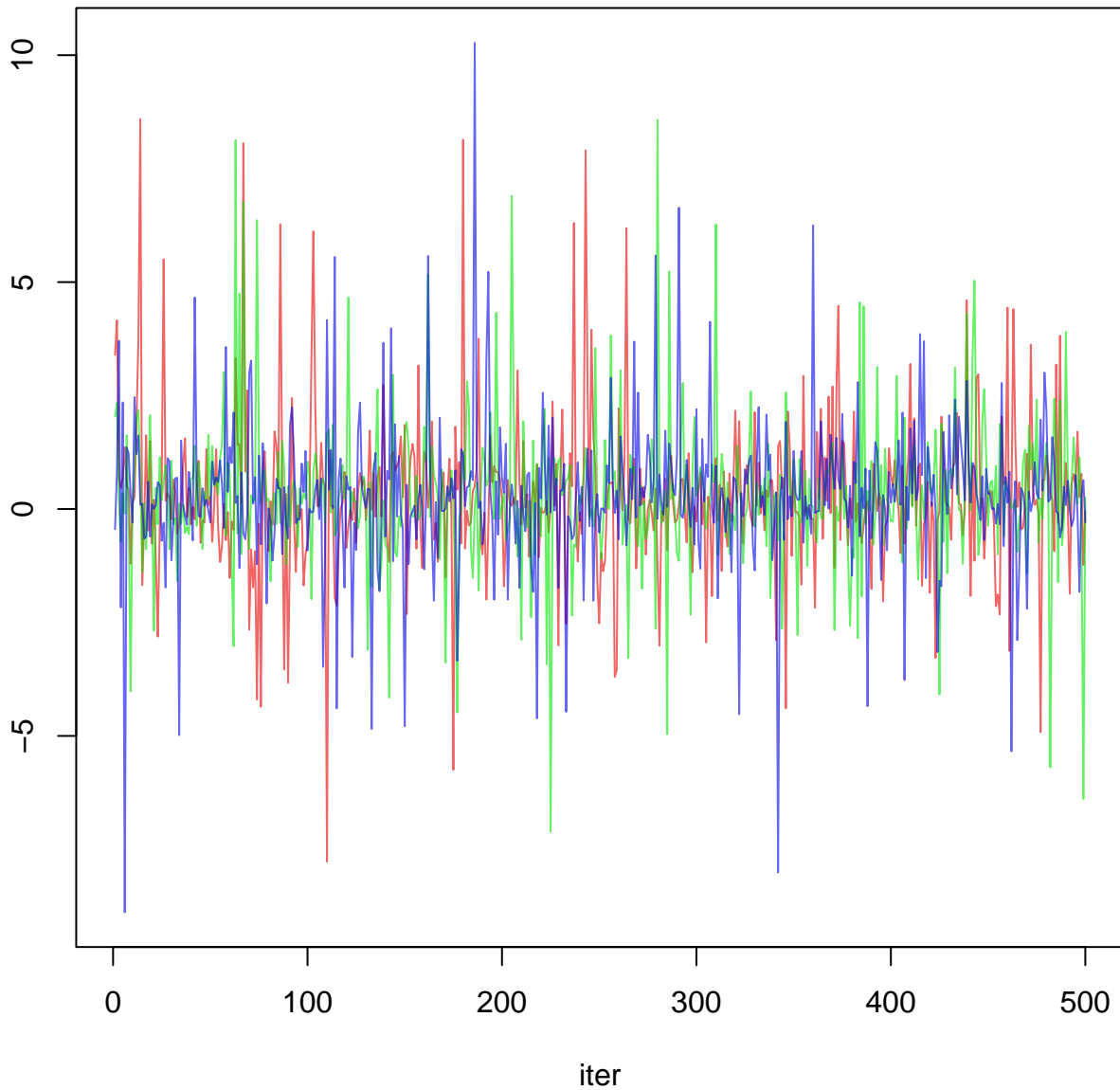
sig



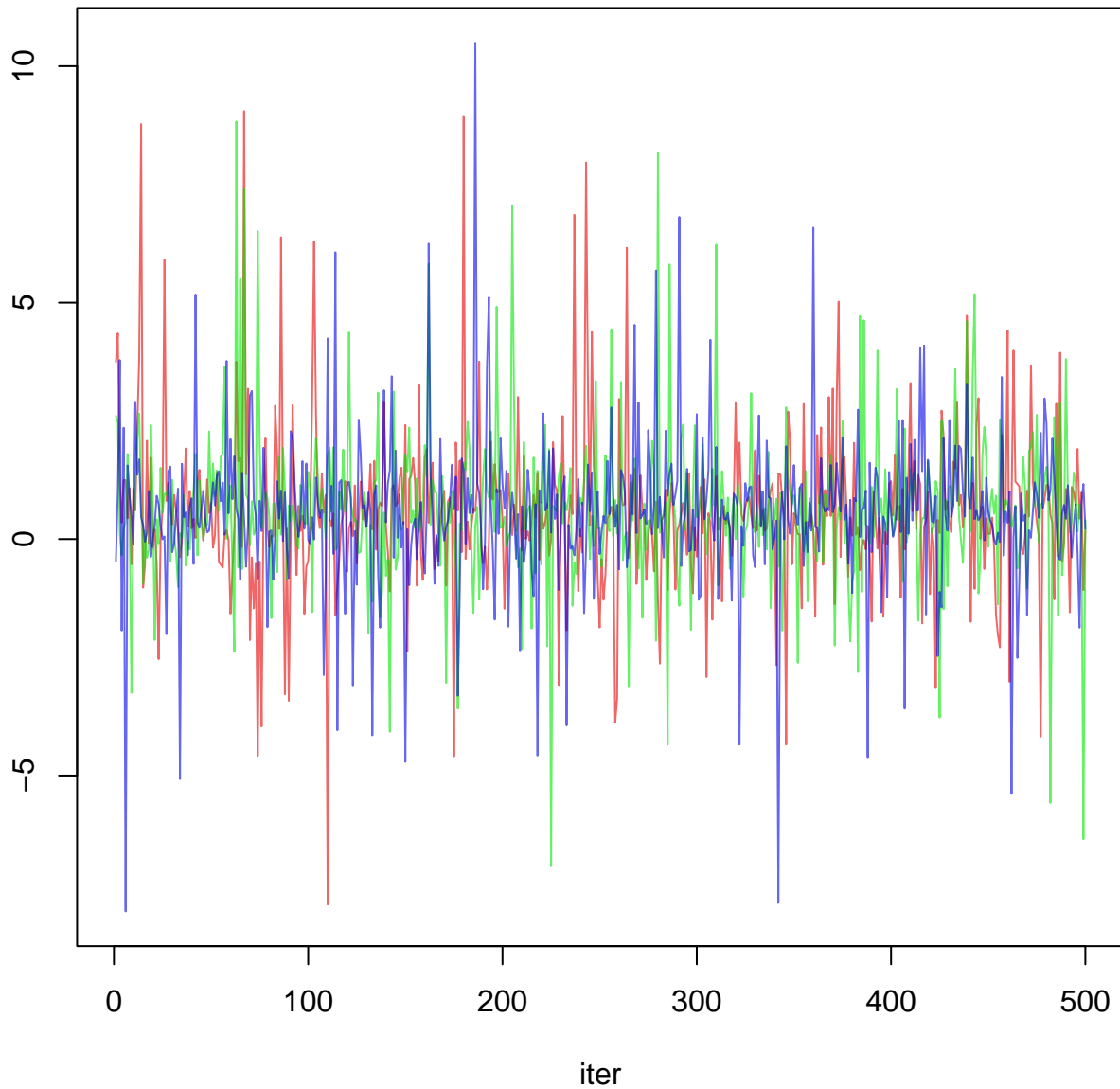
a[1]



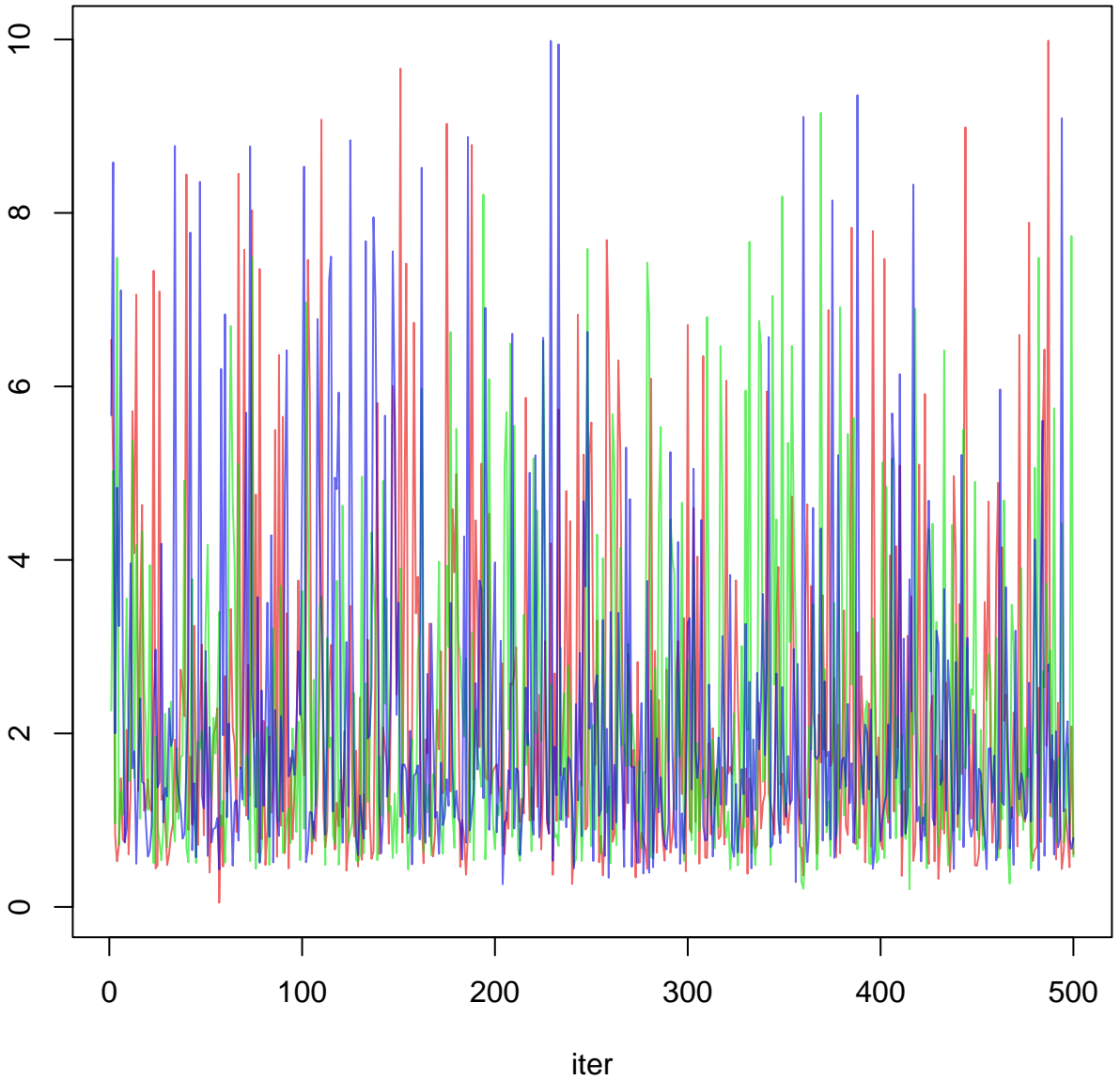
a[2]



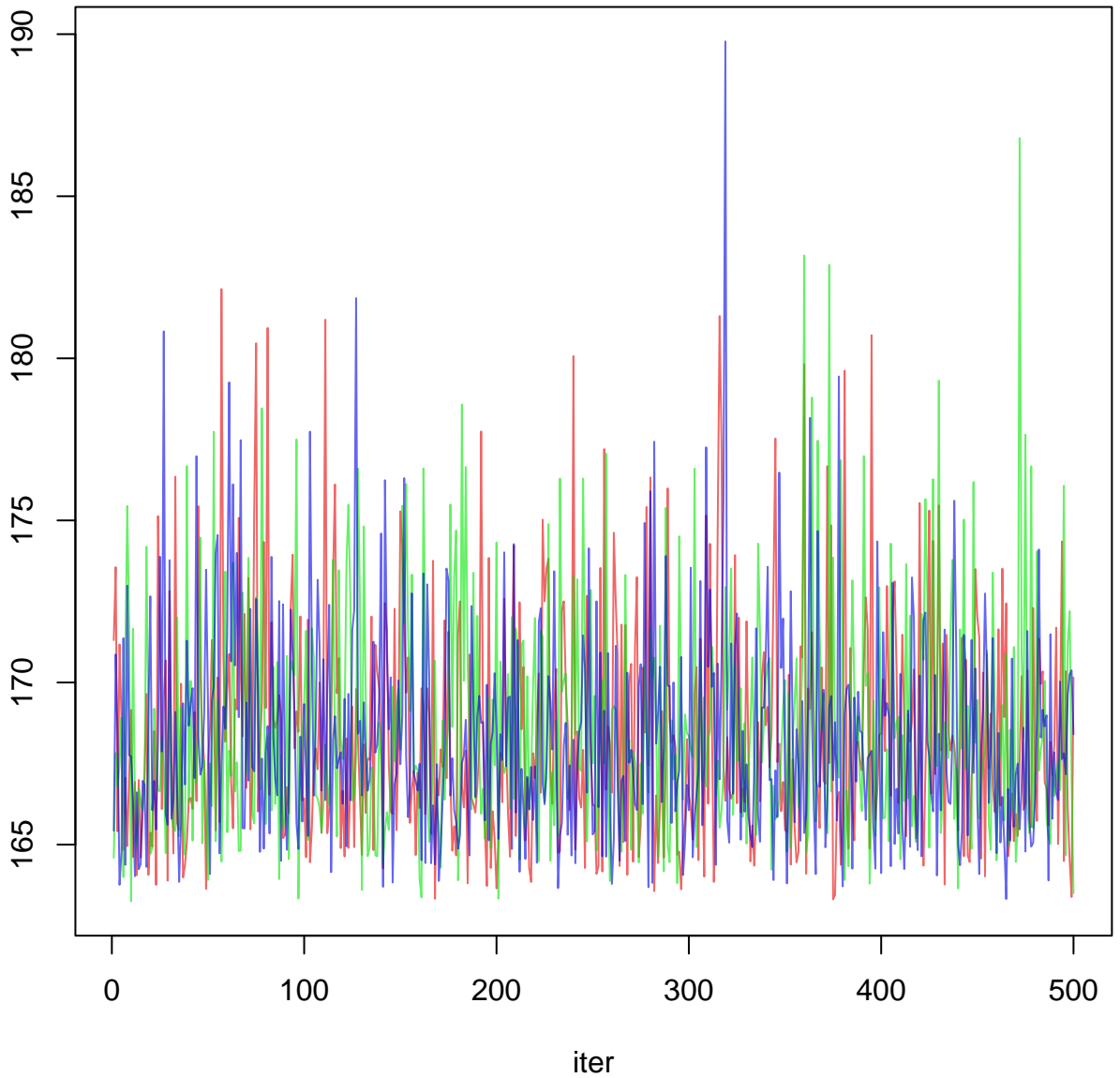
a[3]

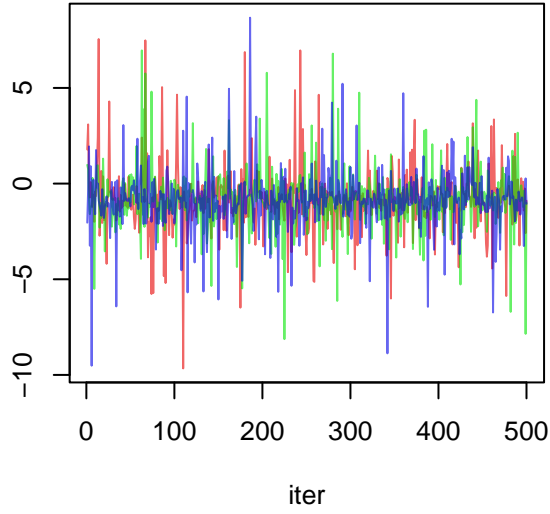
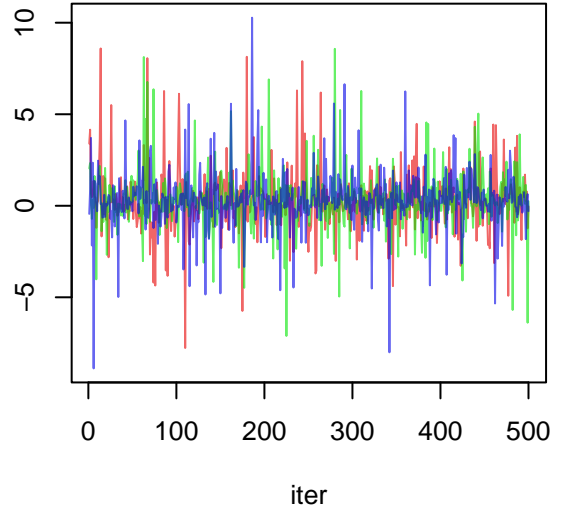
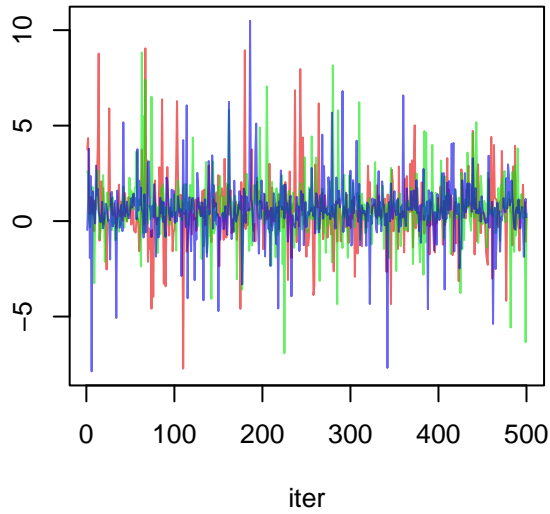


sig_a

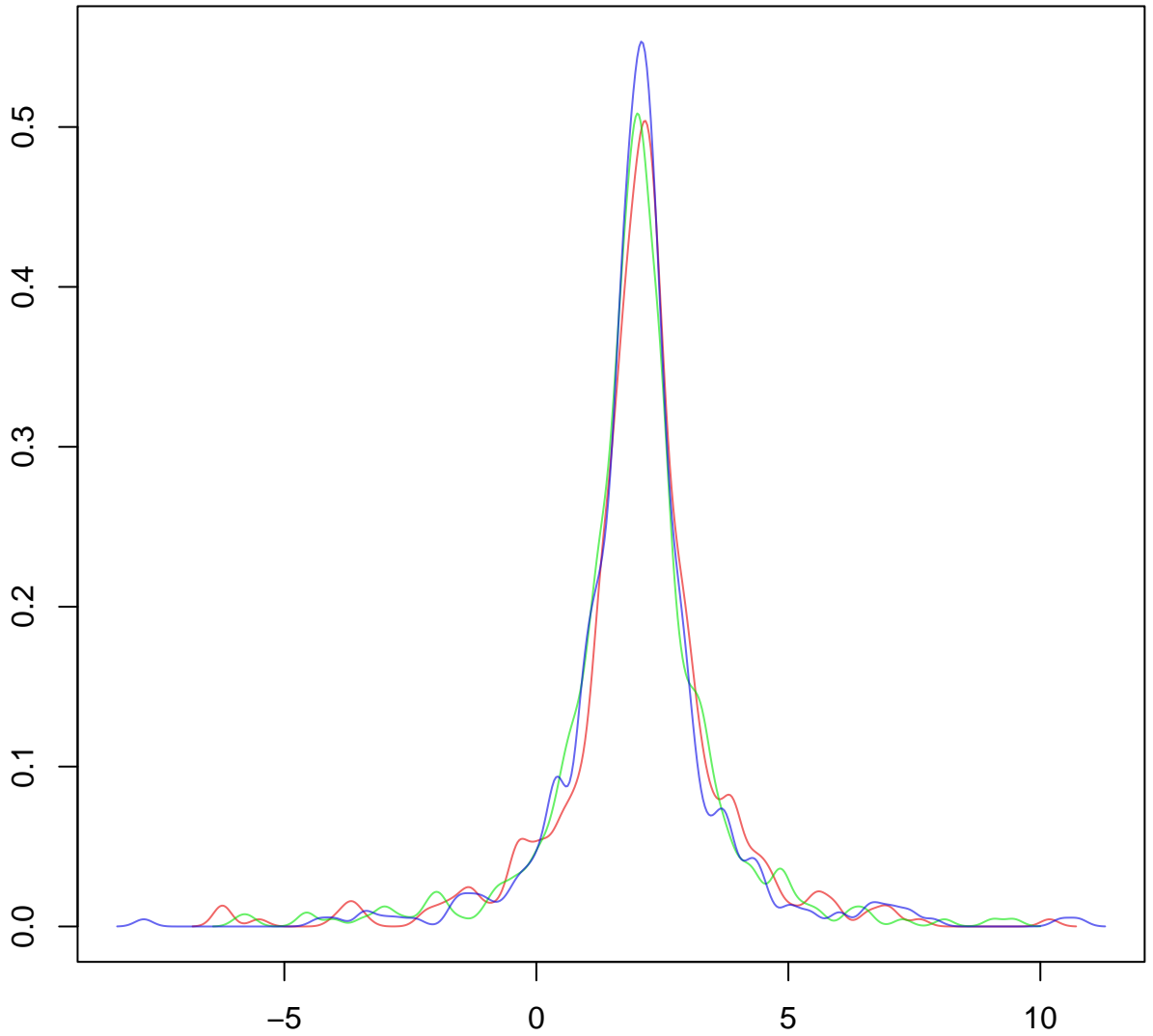


deviance

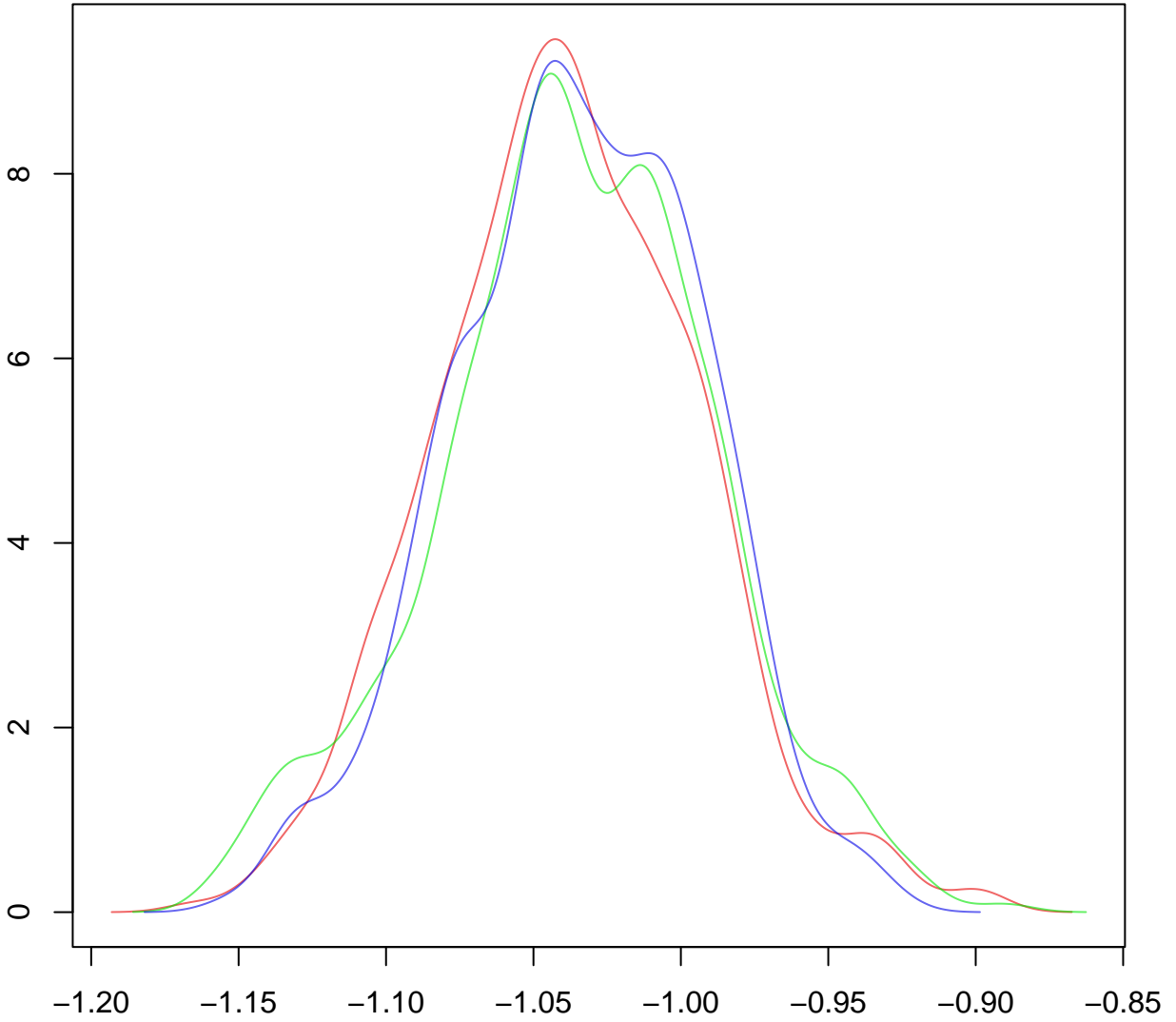


a[1]**a[2]****a[3]**

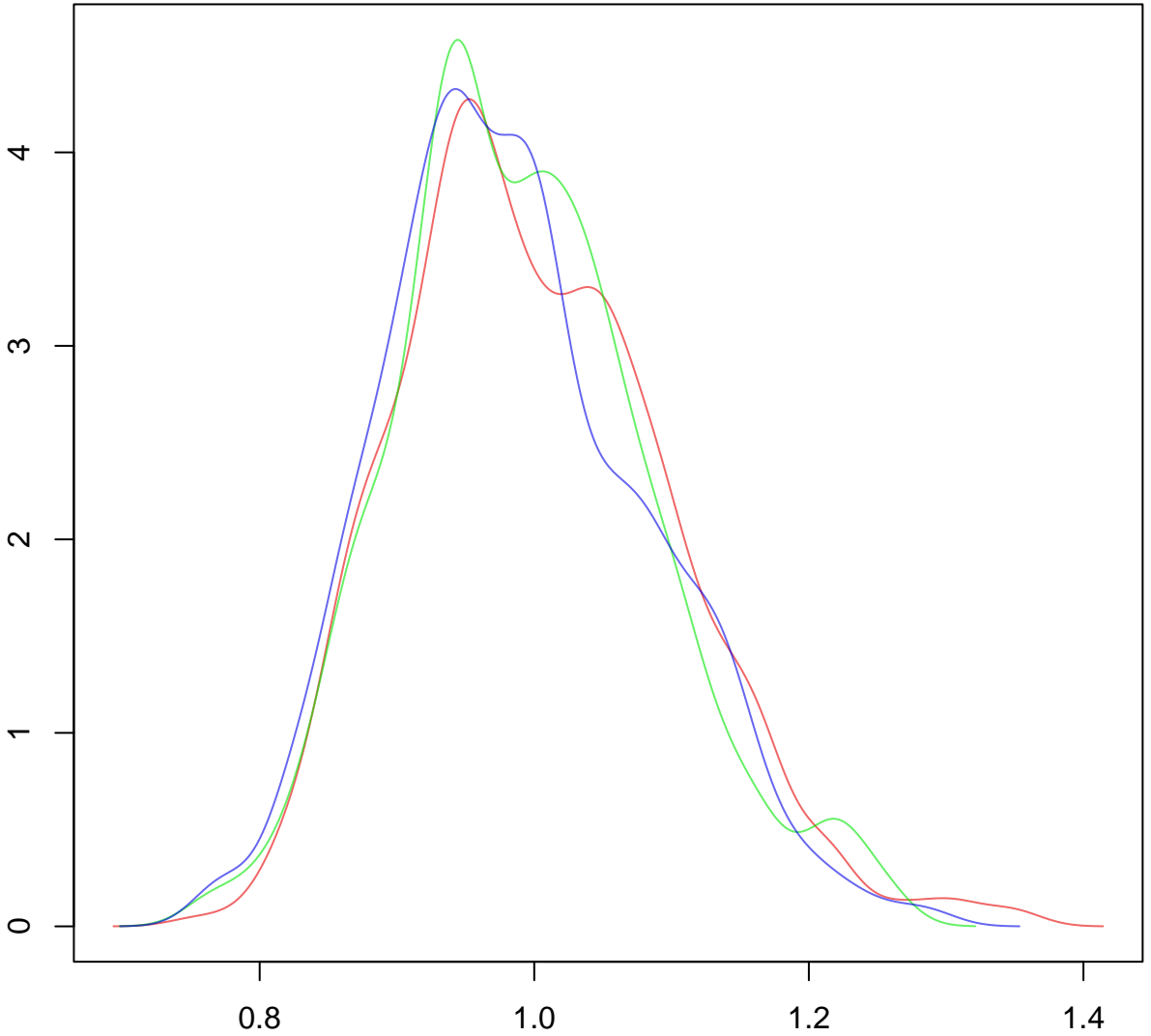
b0



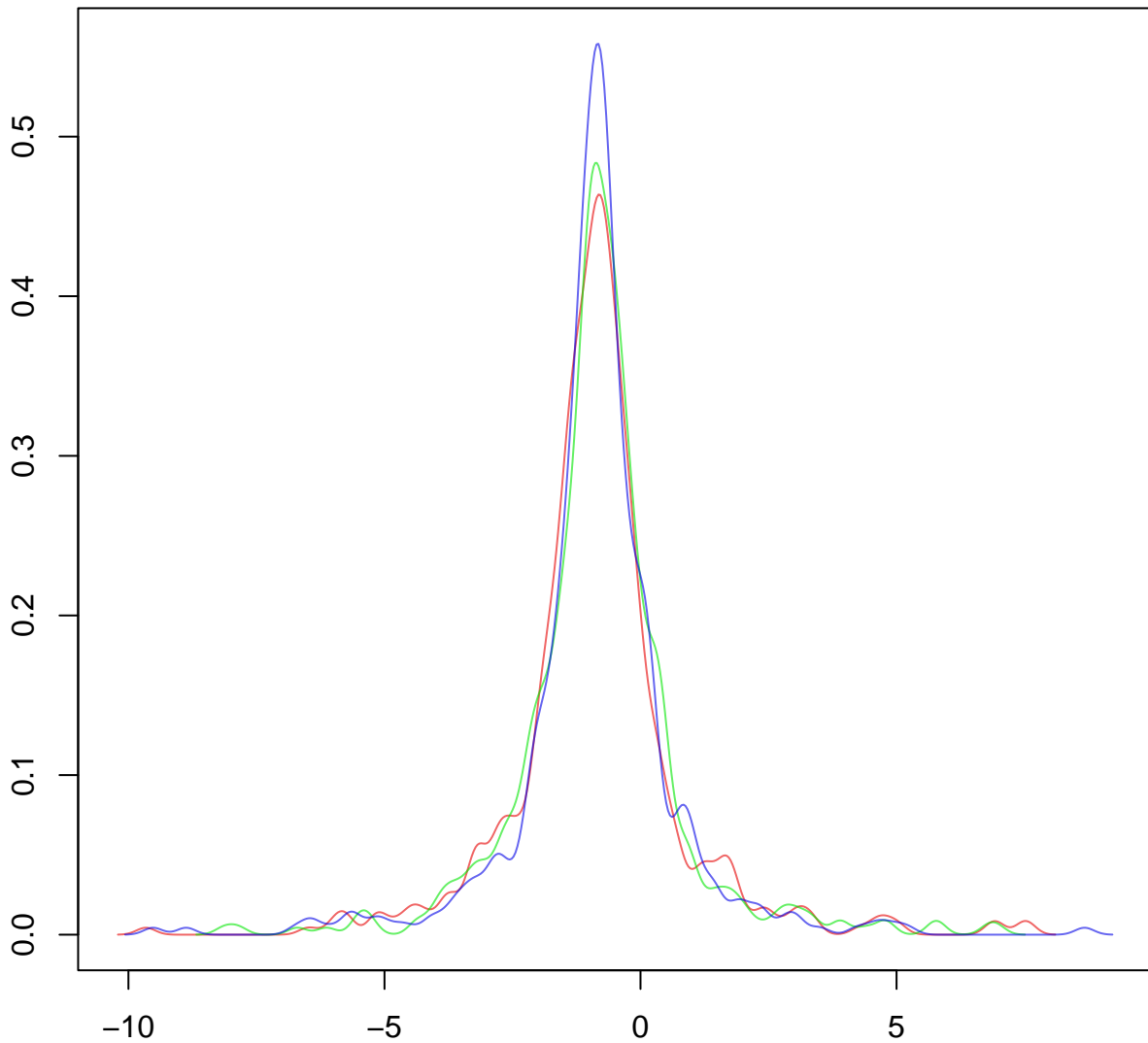
b1



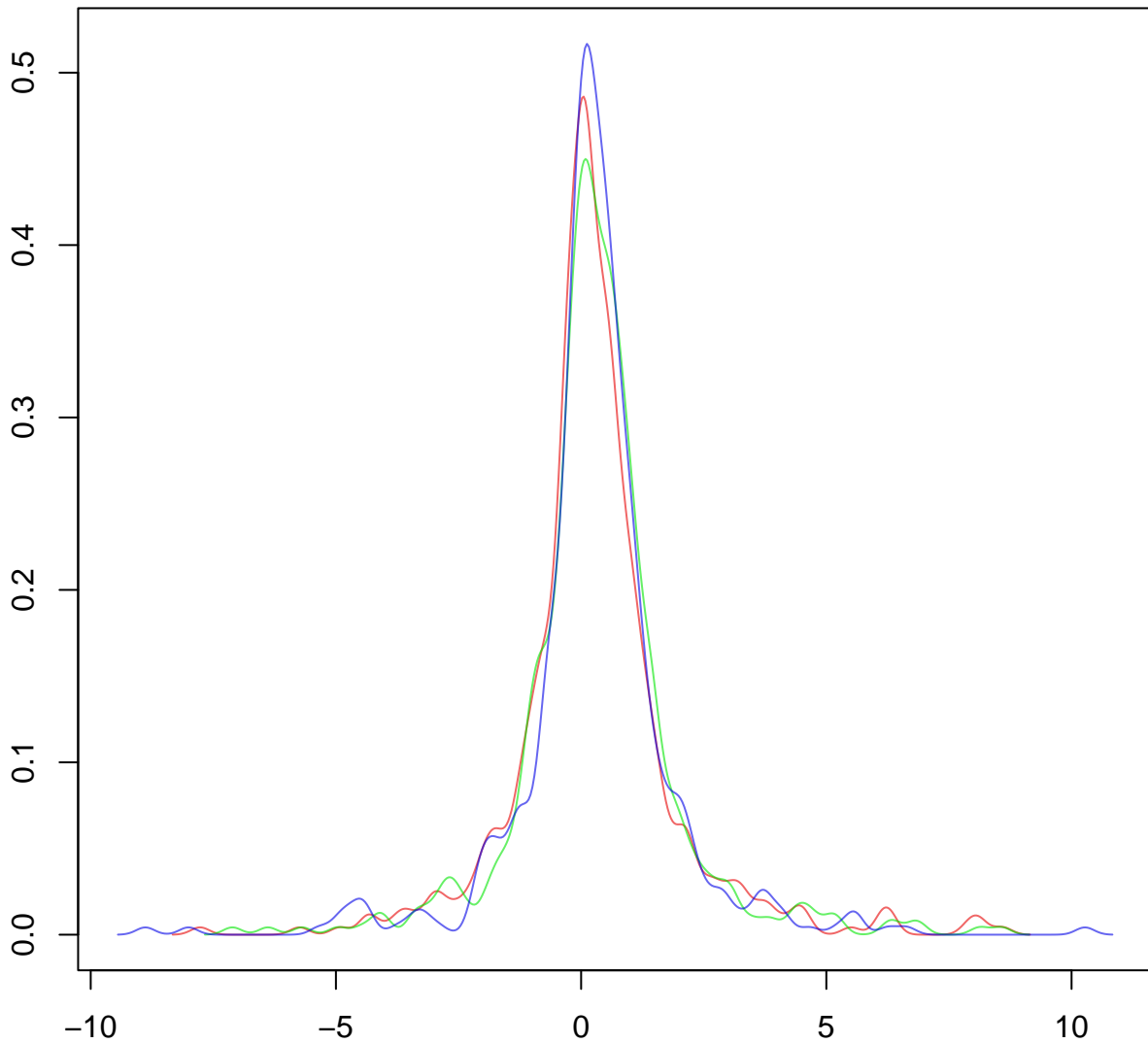
sig



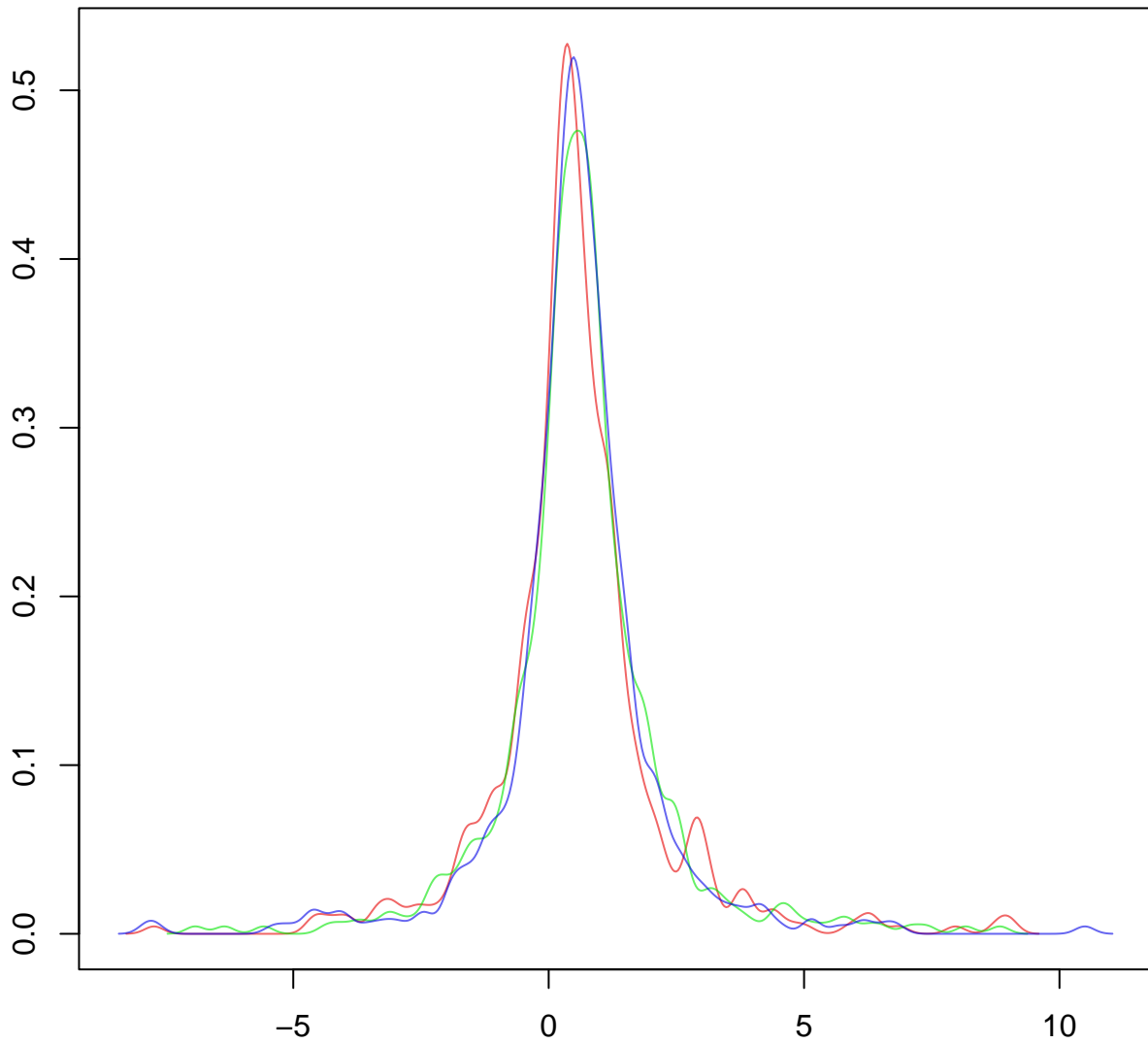
a[1]



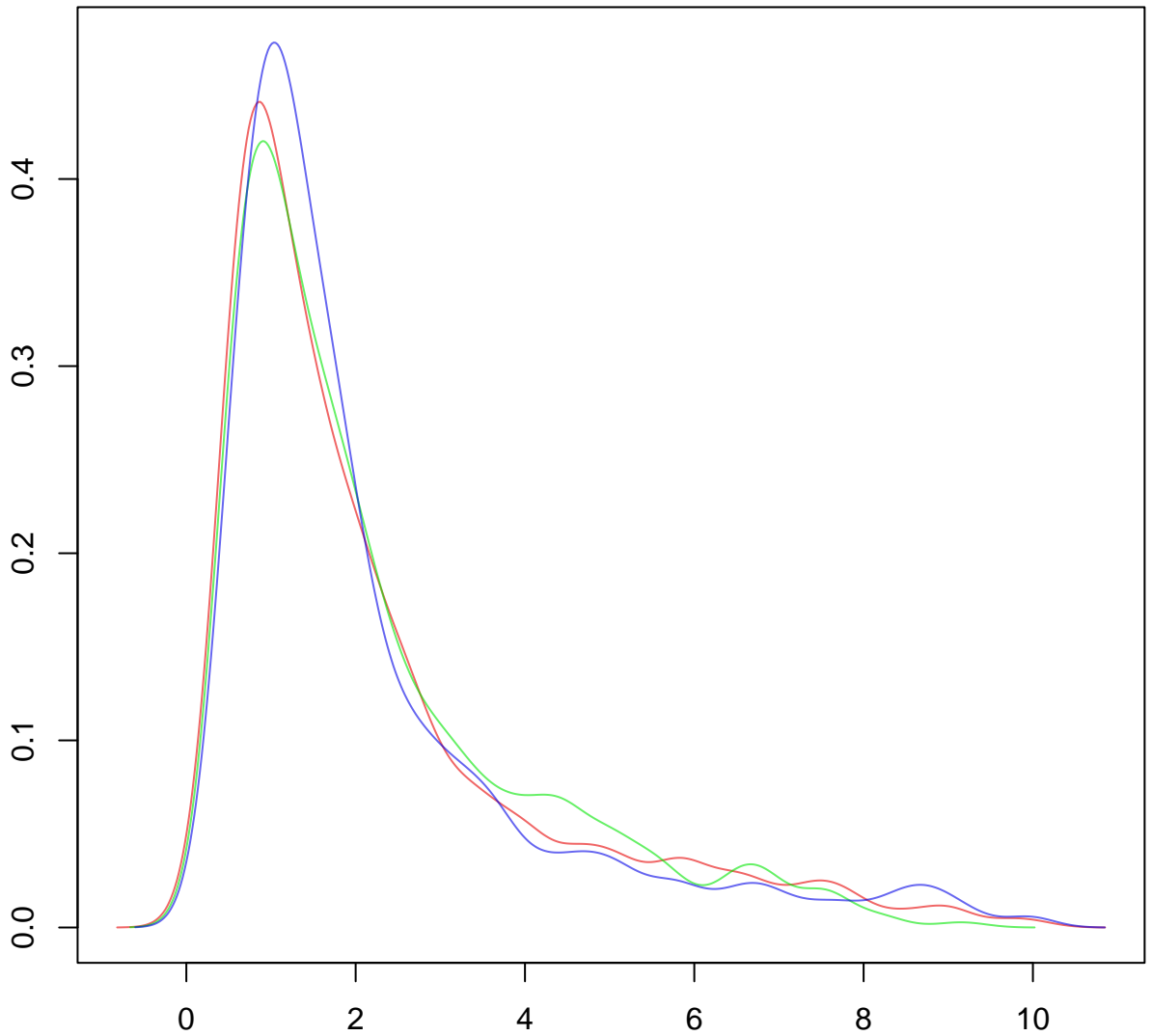
a[2]



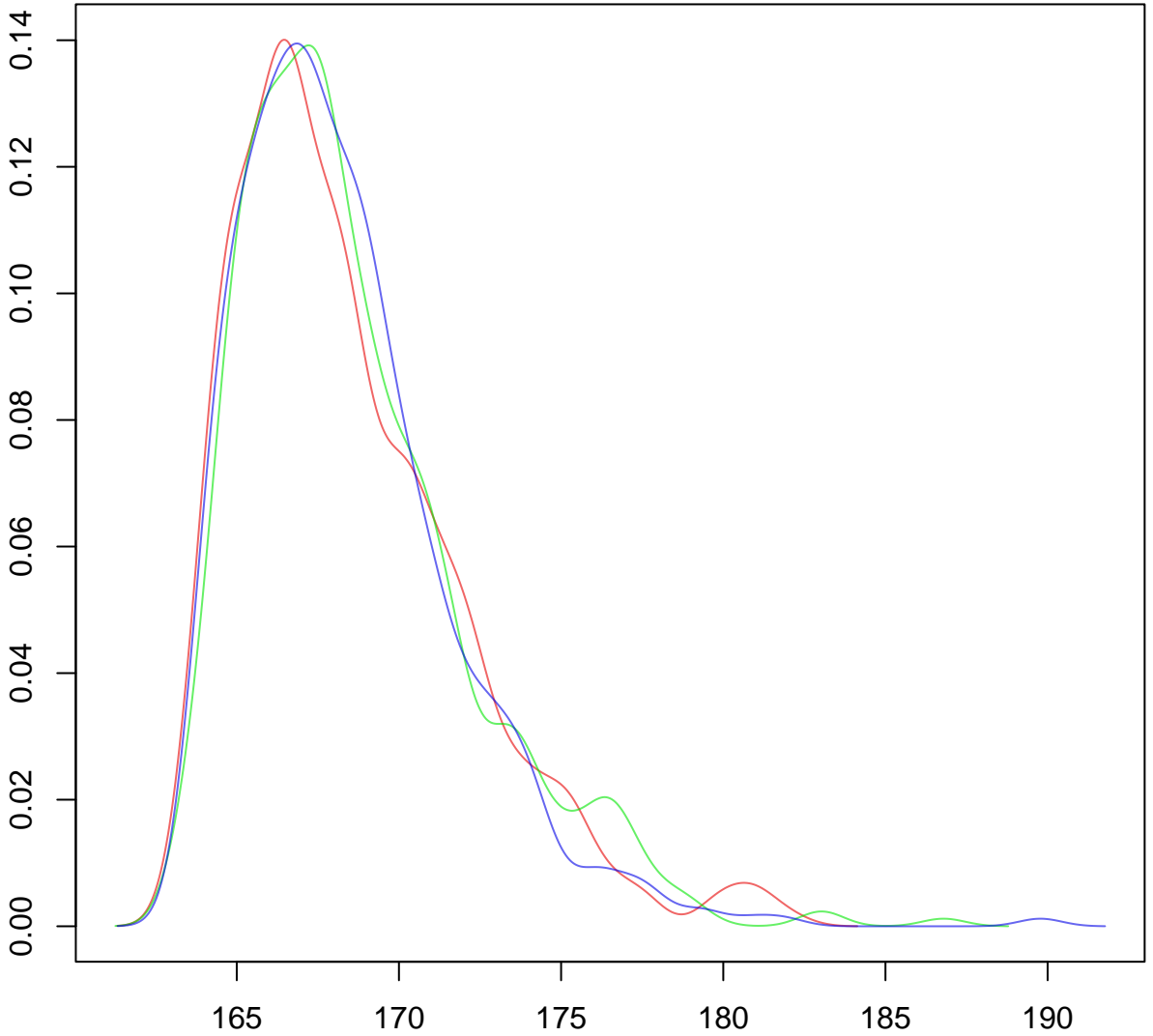
a[3]

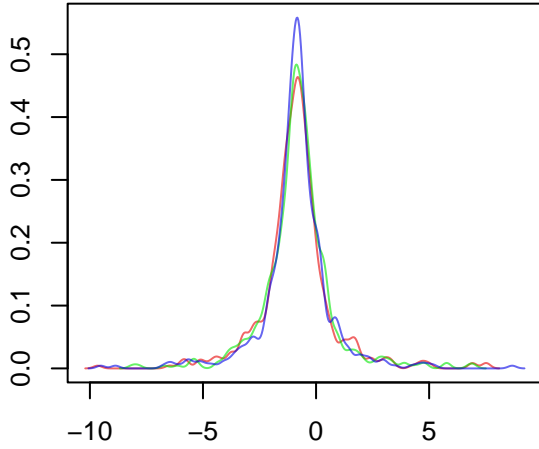
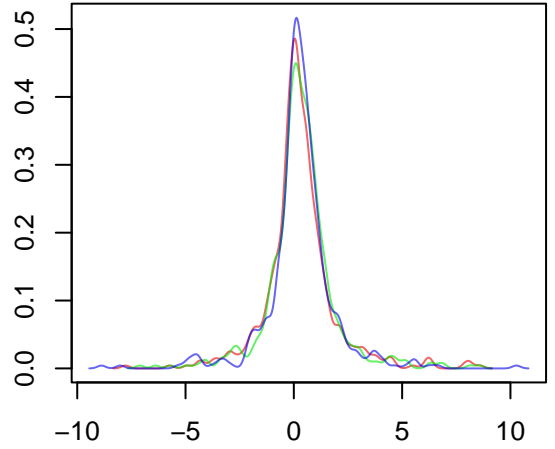
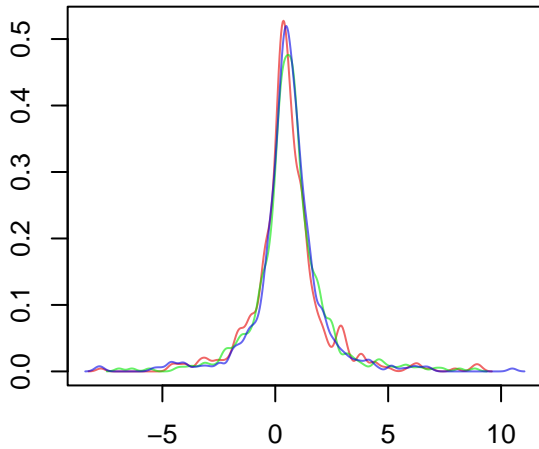


sig_a

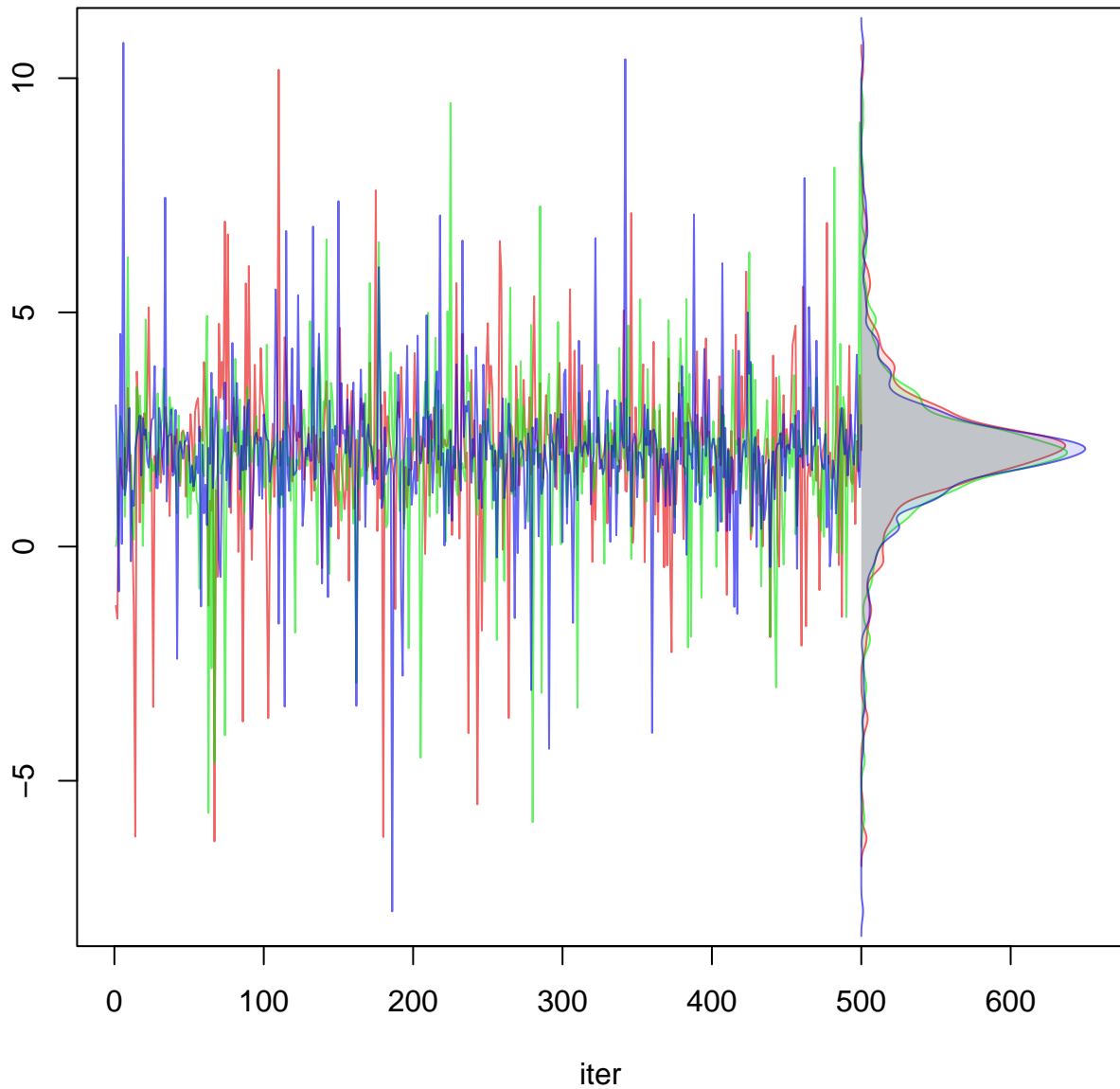


deviance

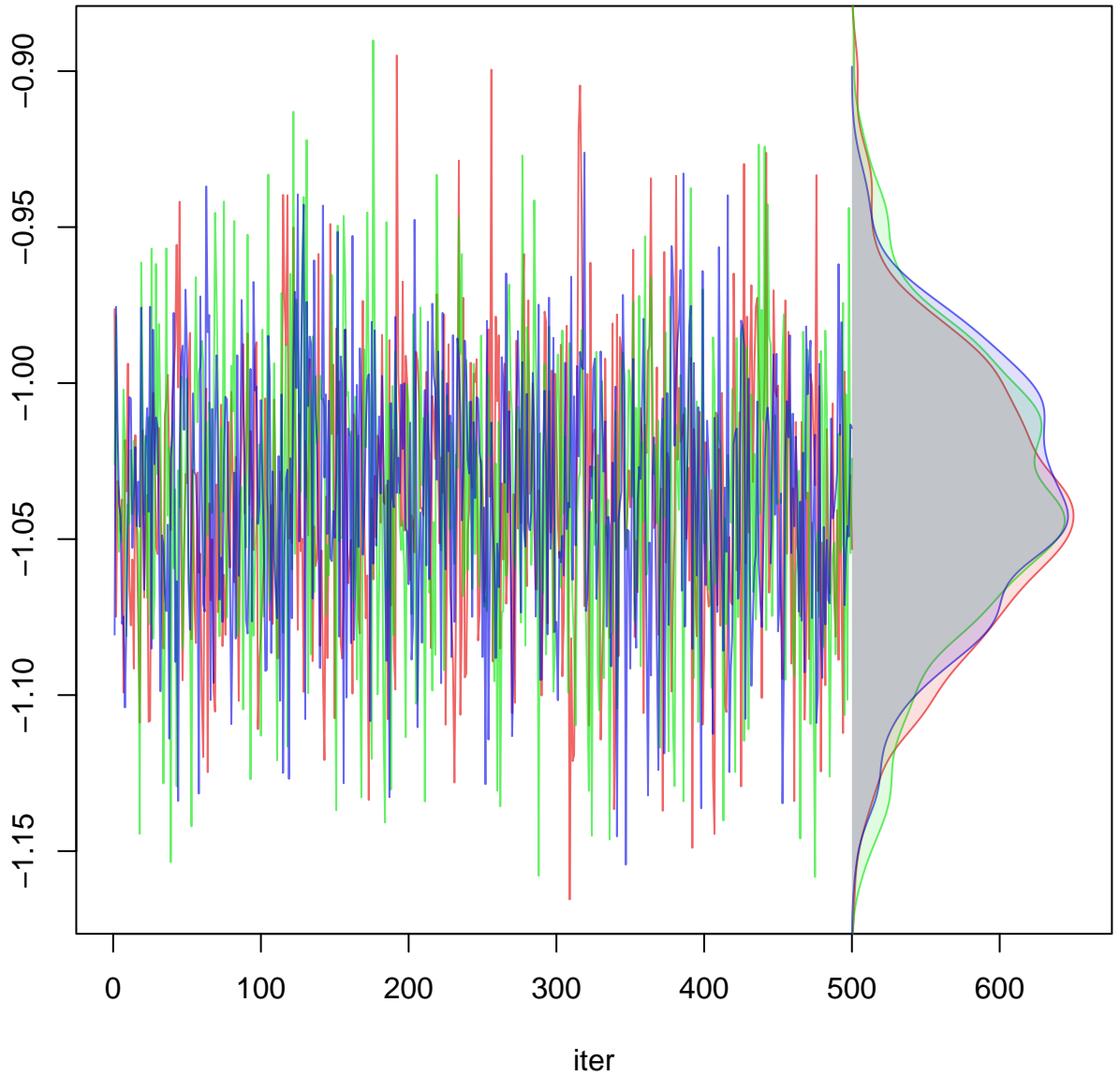


a[1]**a[2]****a[3]**

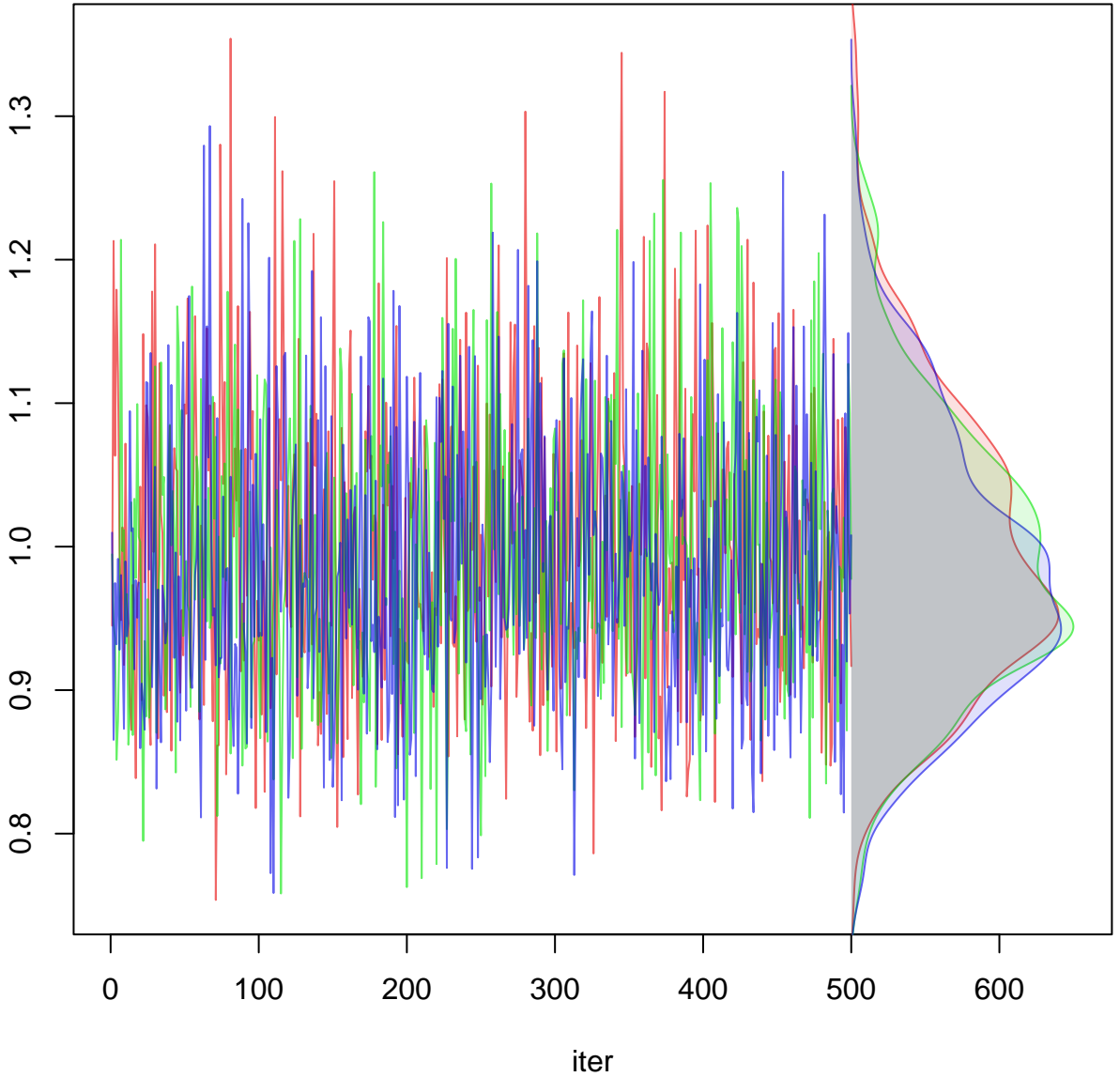
b0



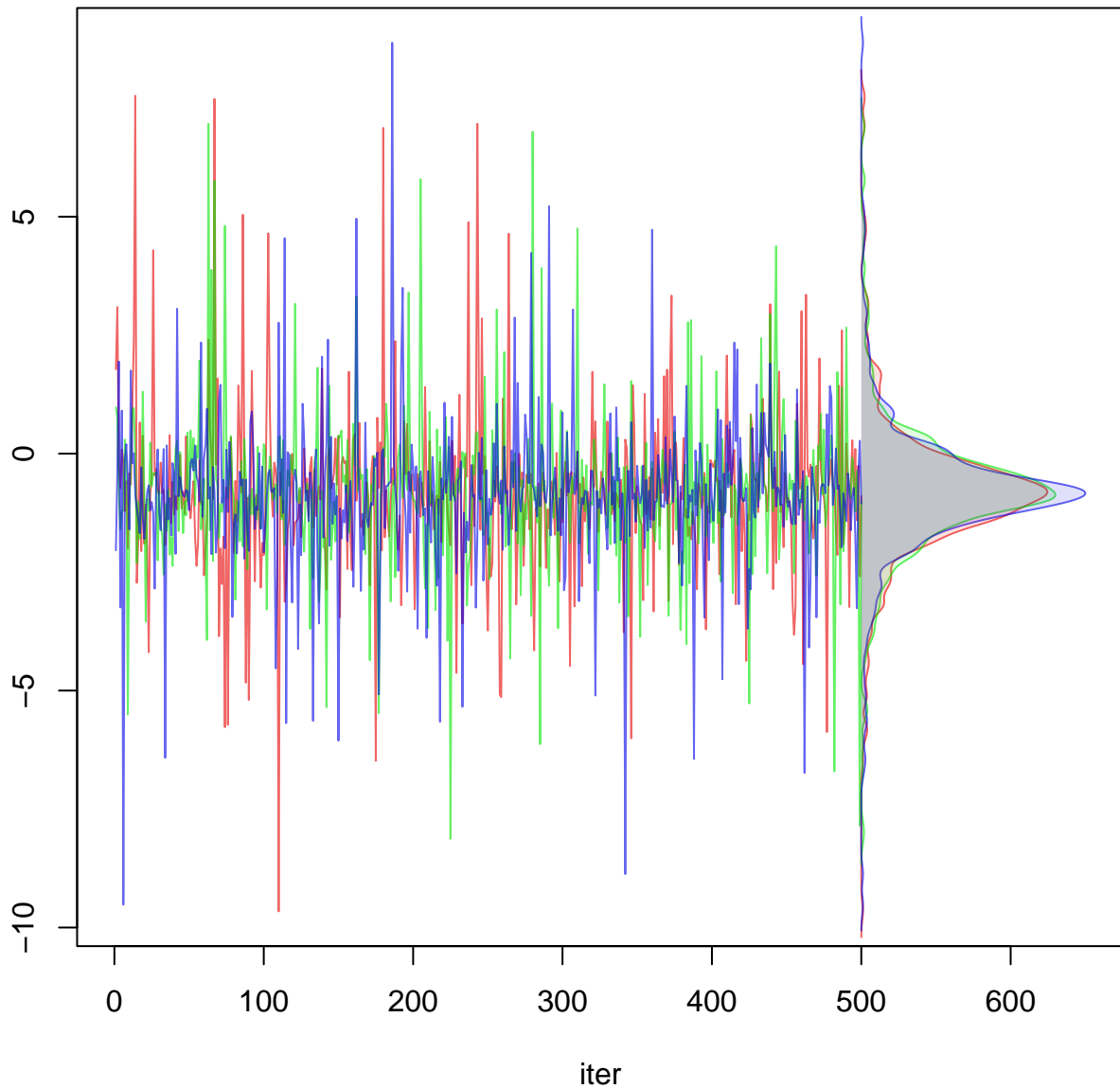
b1



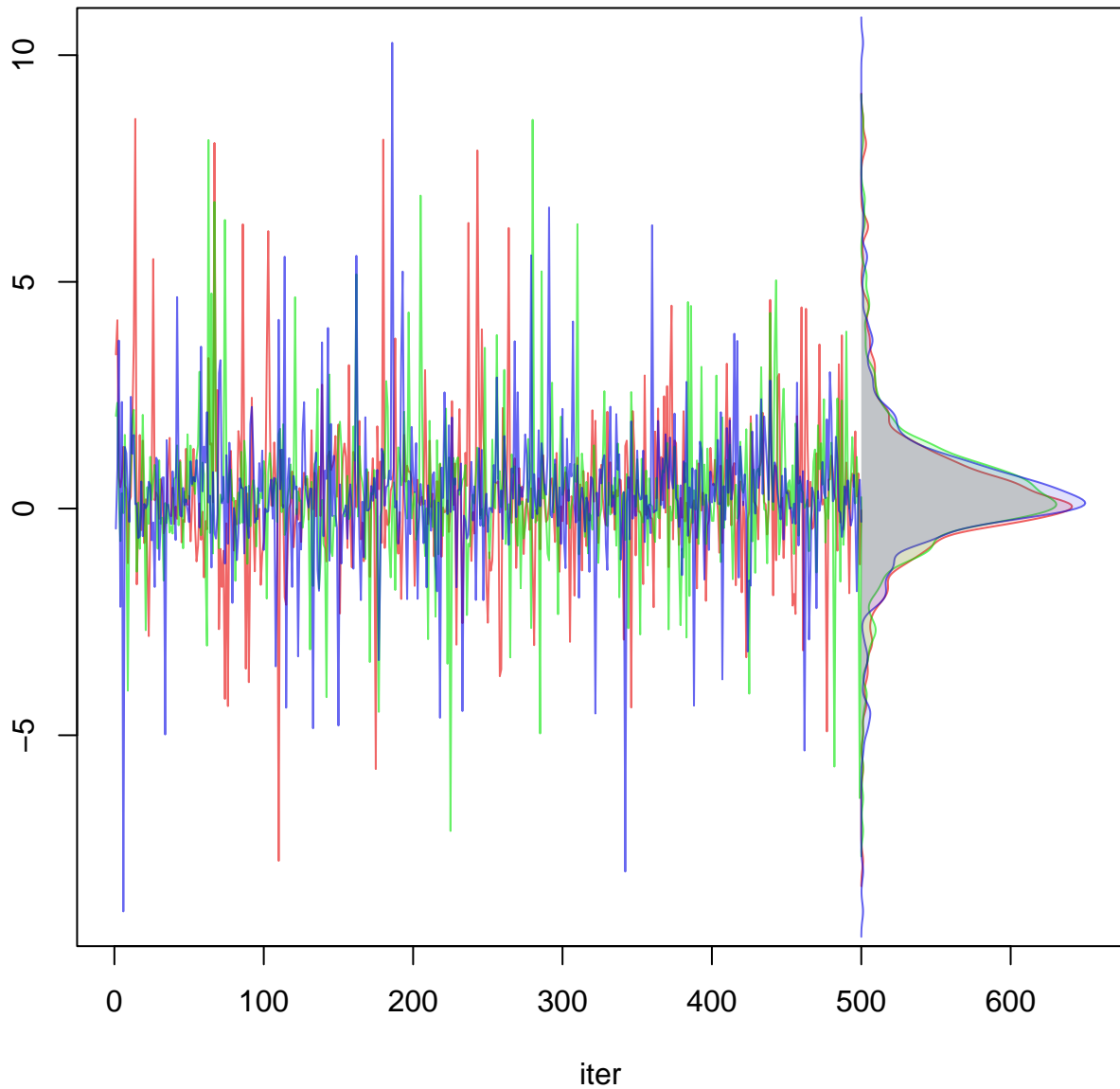
sig



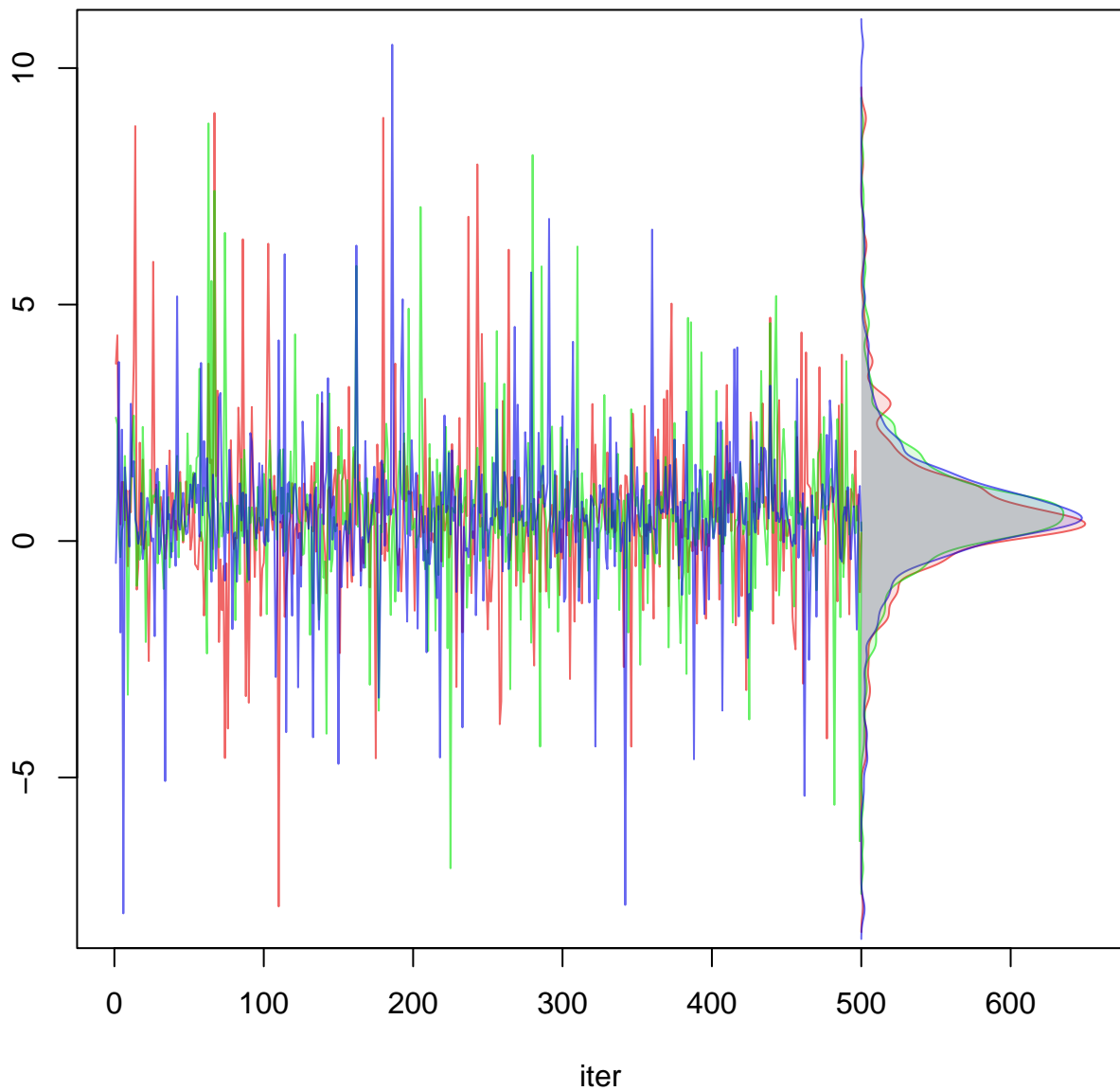
a[1]



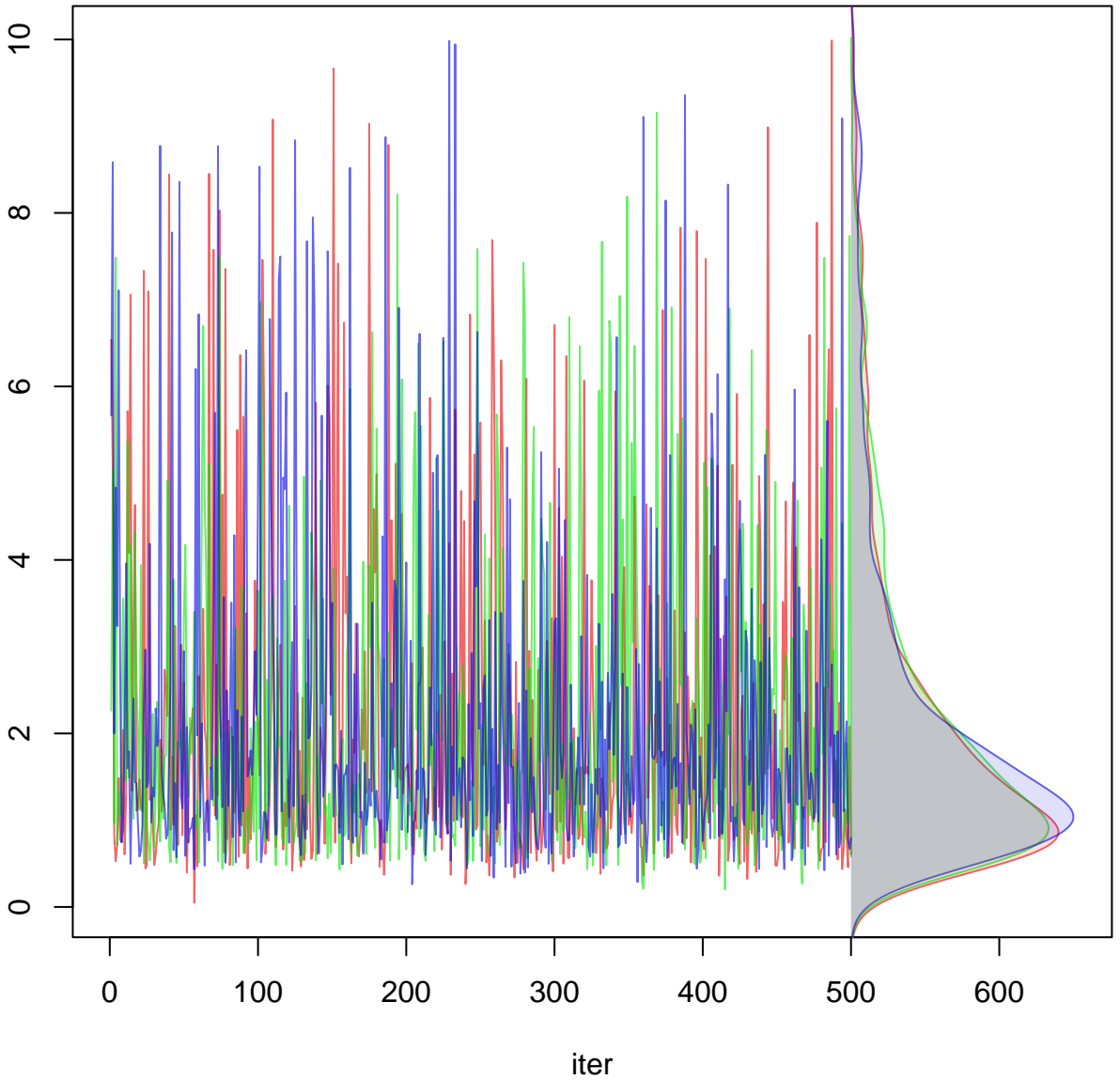
a[2]



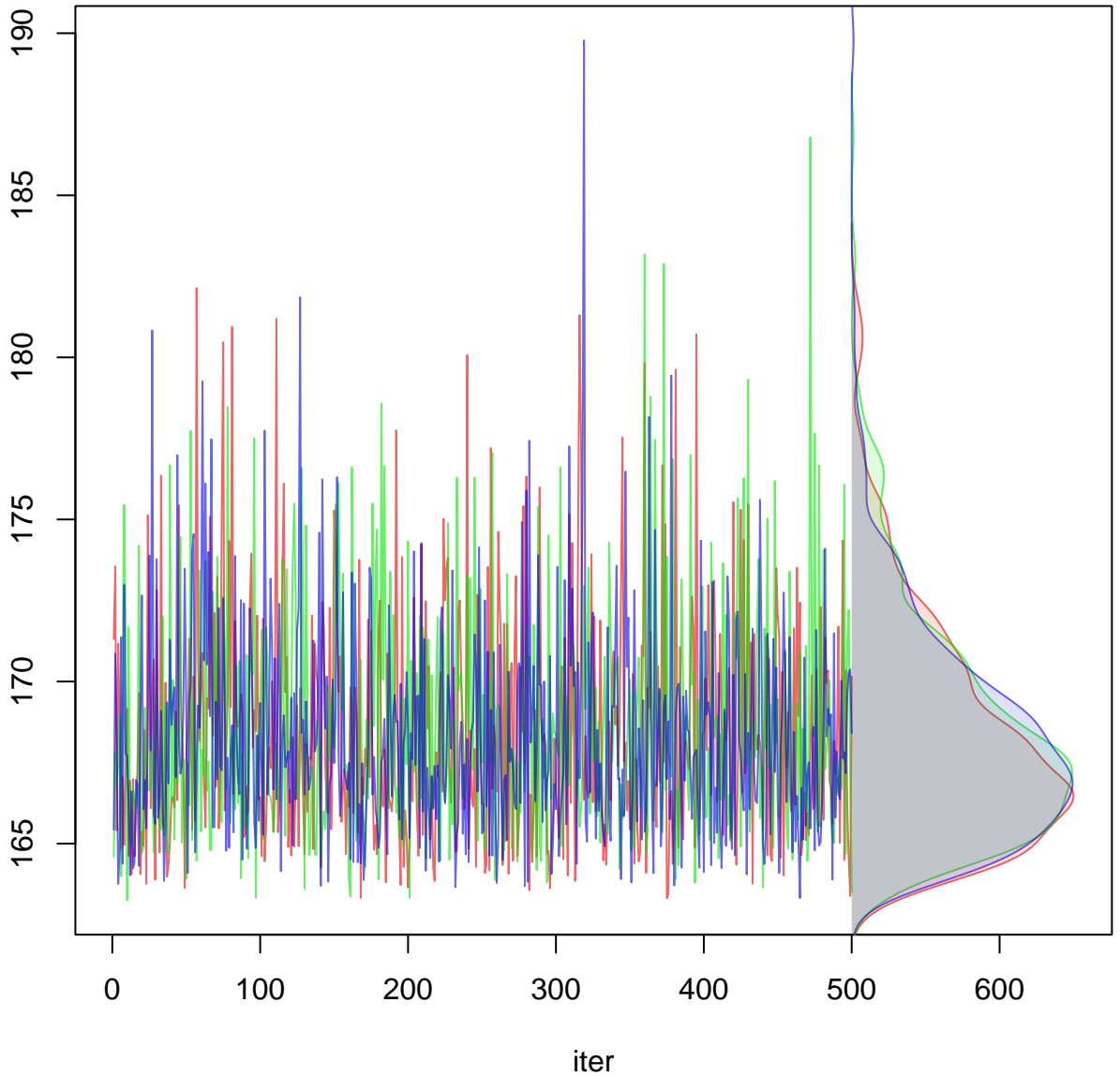
a[3]

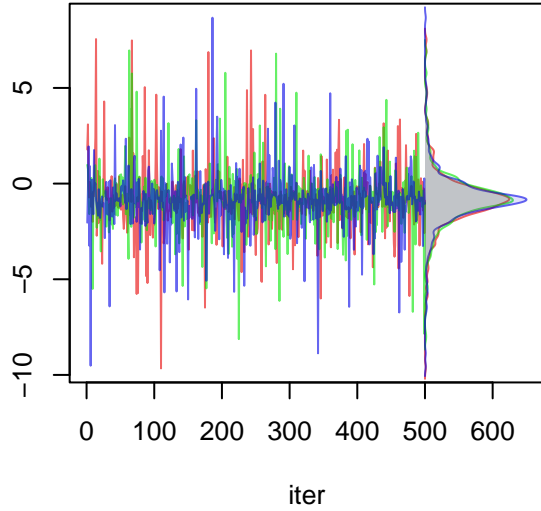
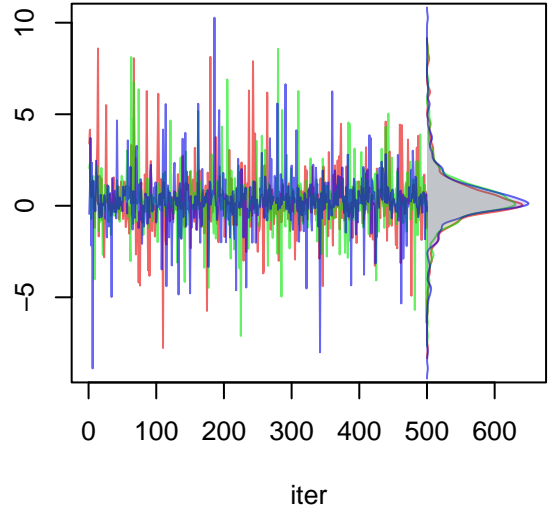
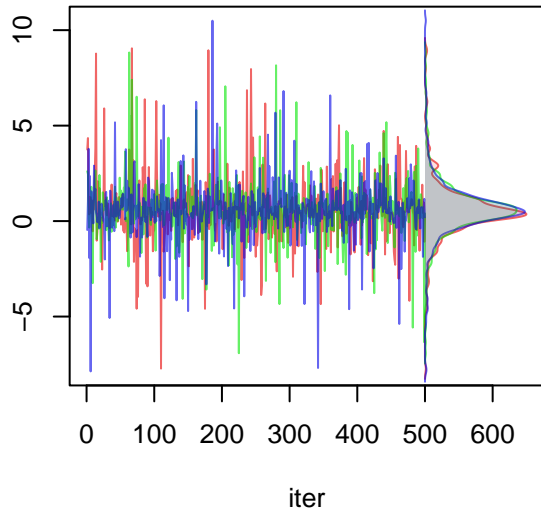


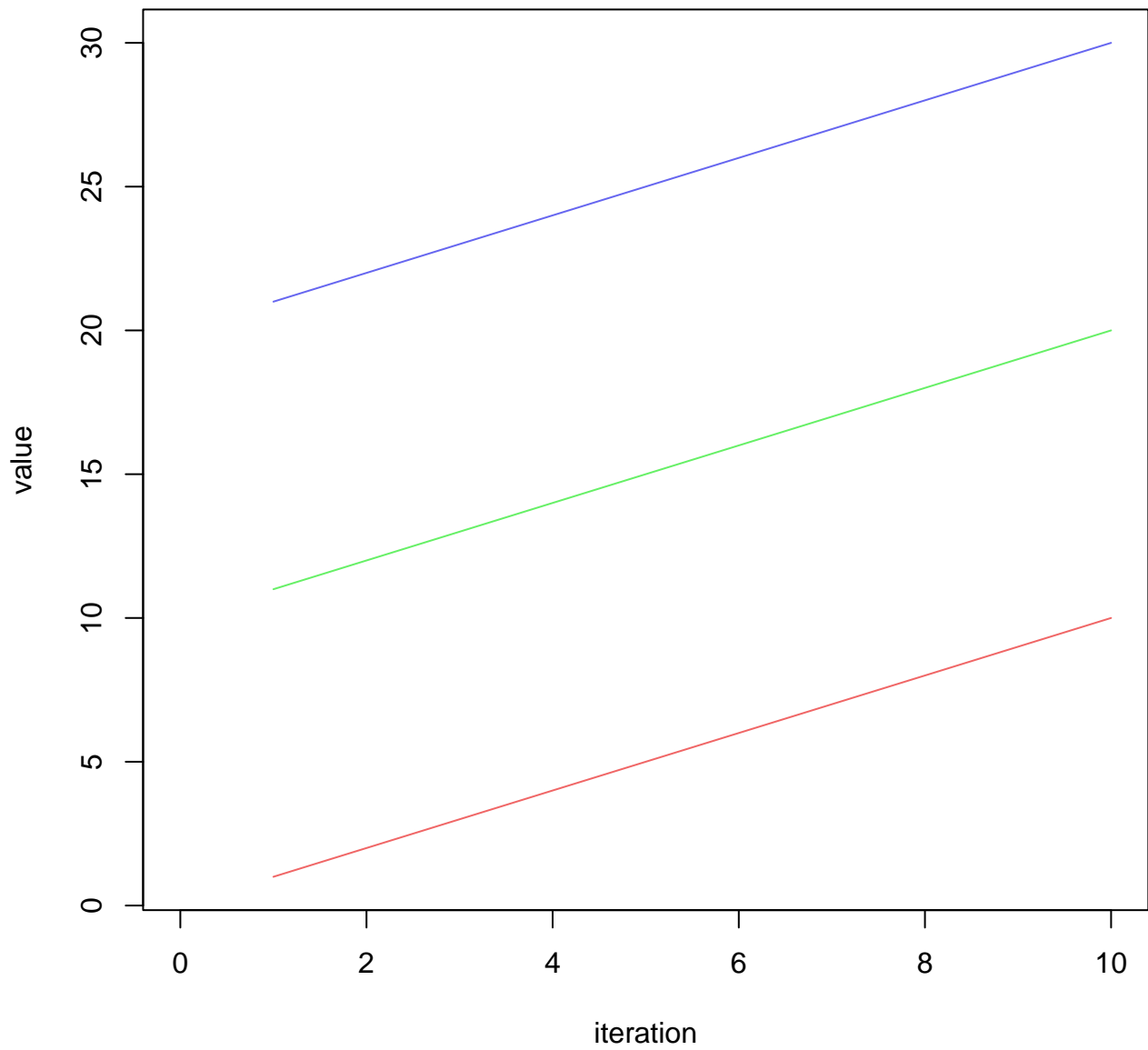
sig_a

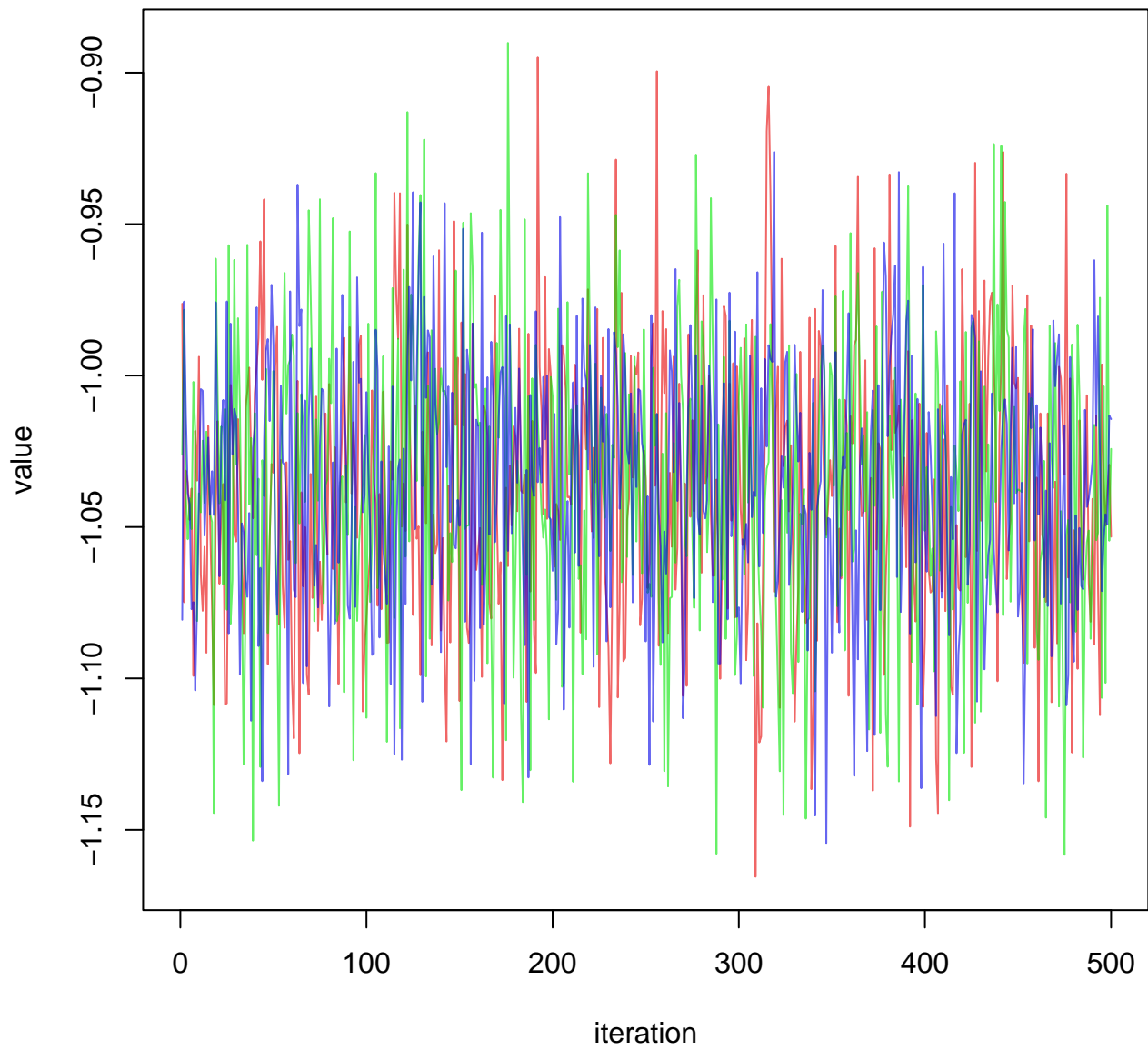


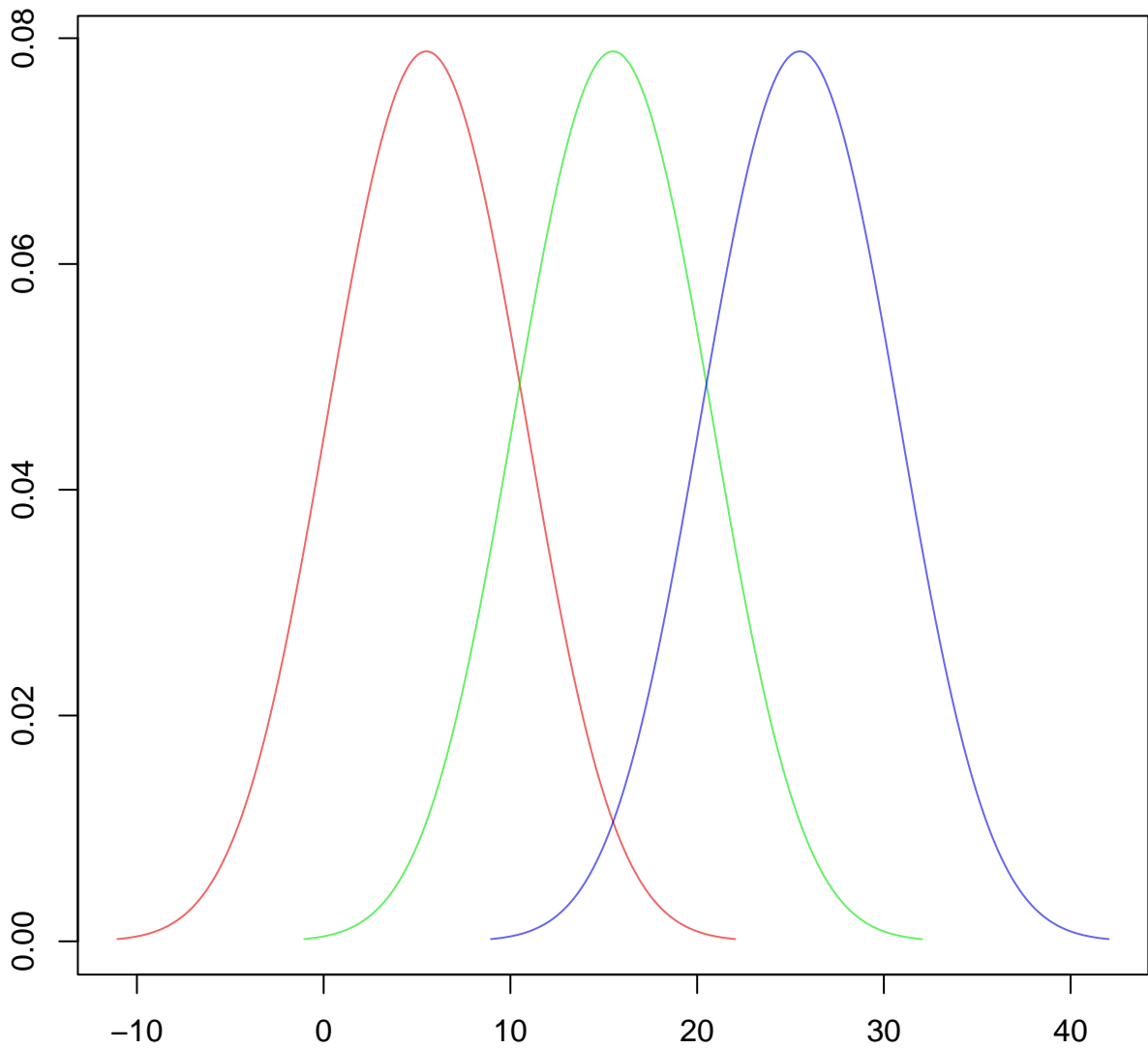
deviance

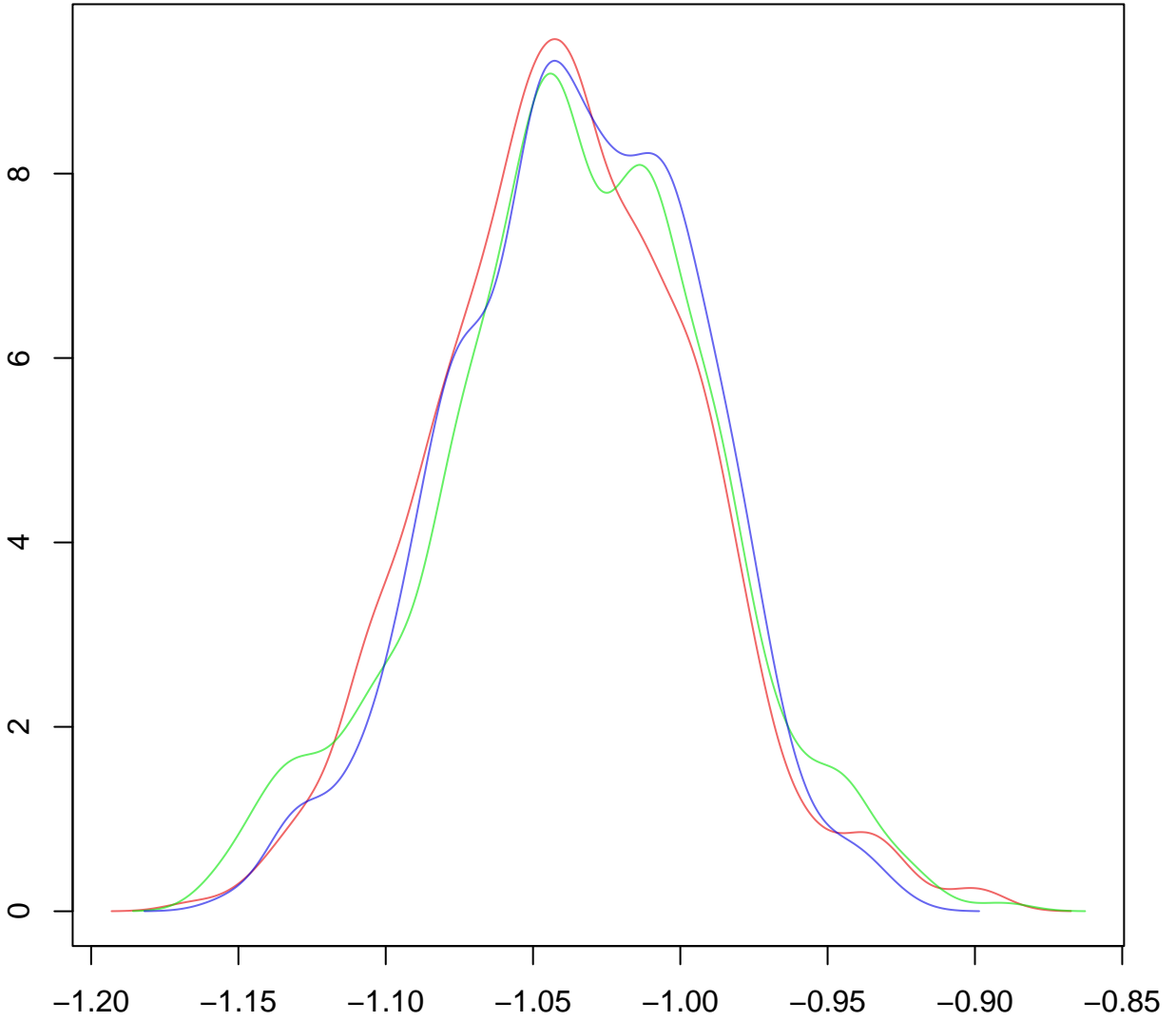


a[1]**a[2]****a[3]**

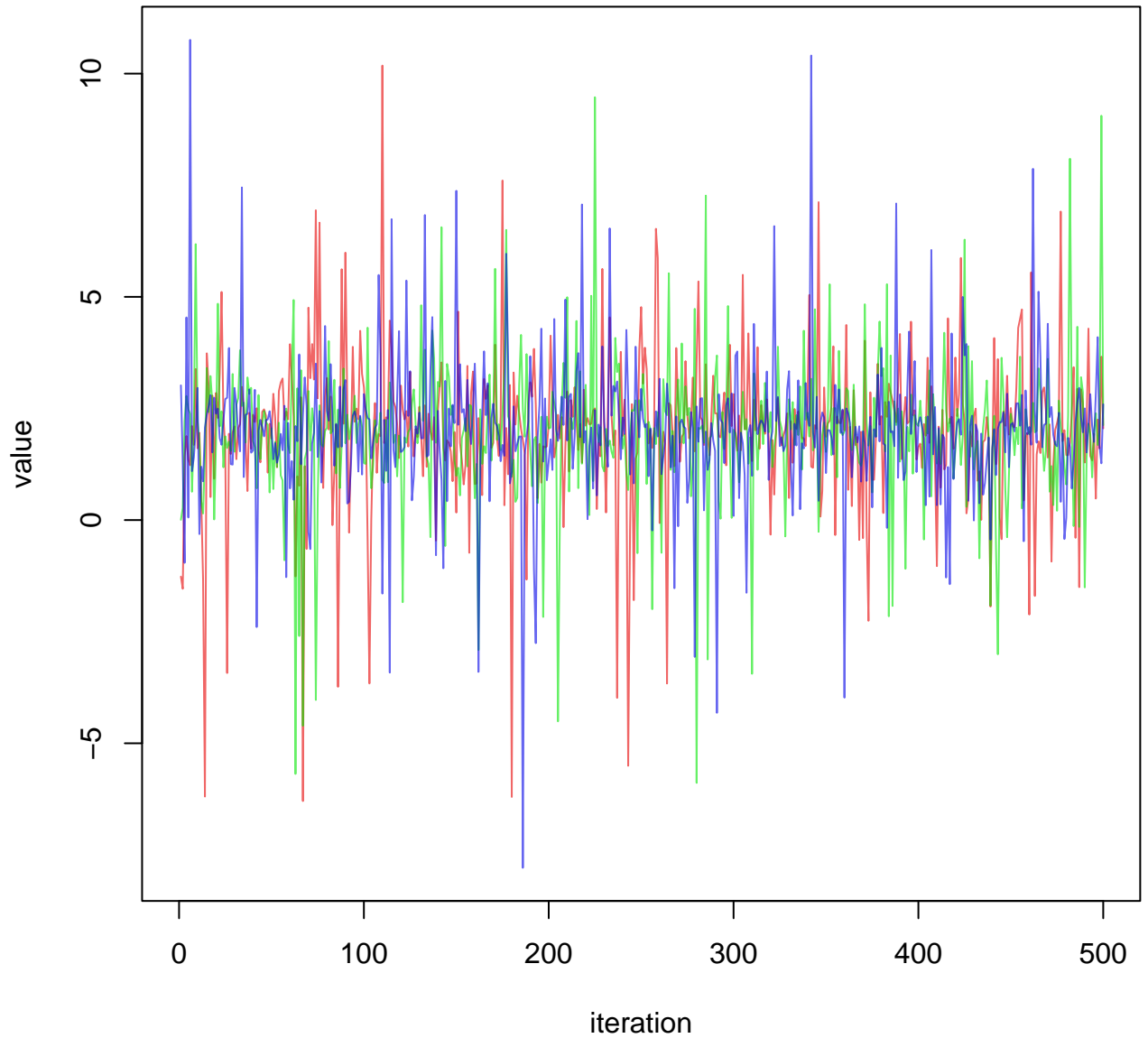




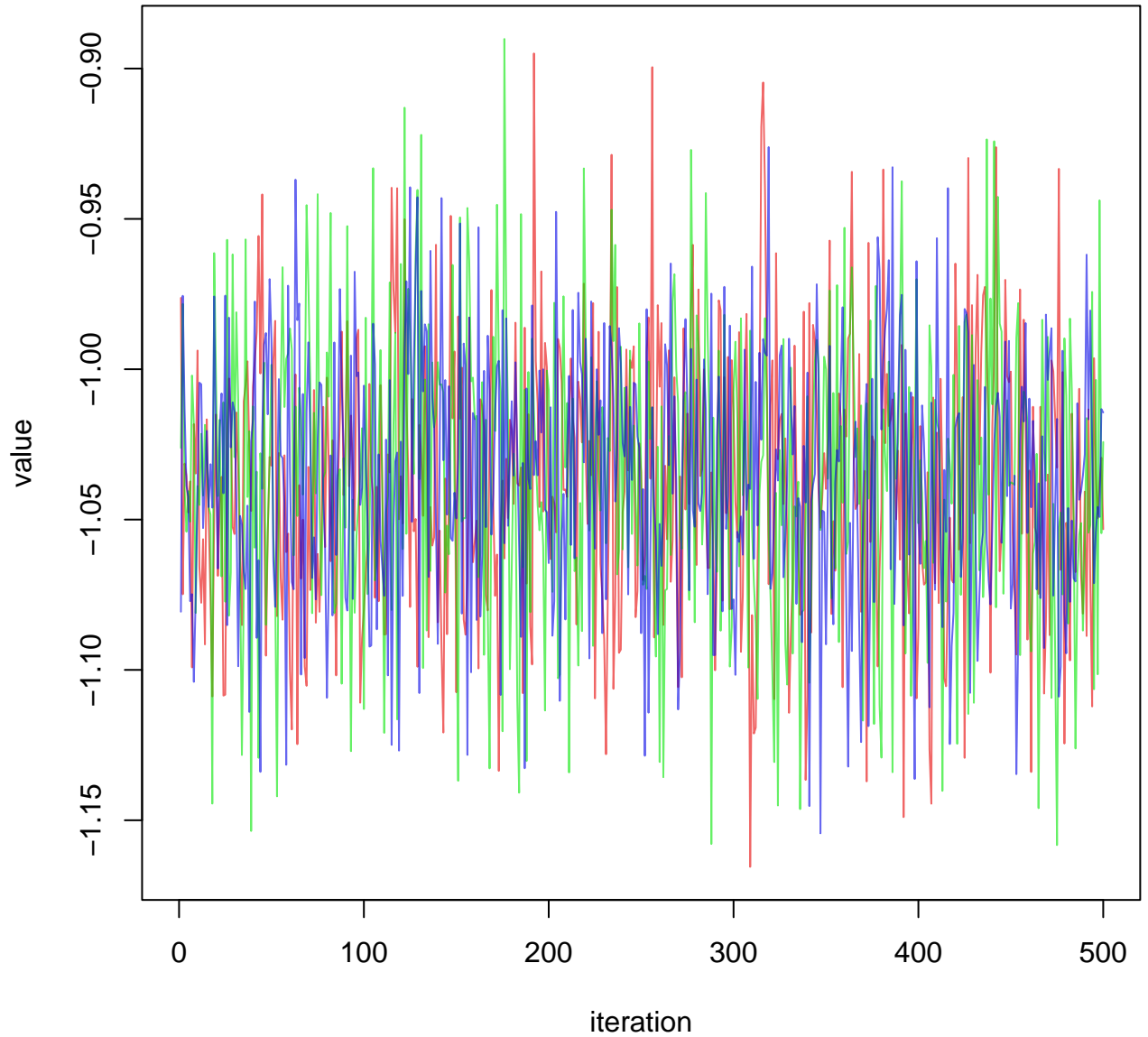




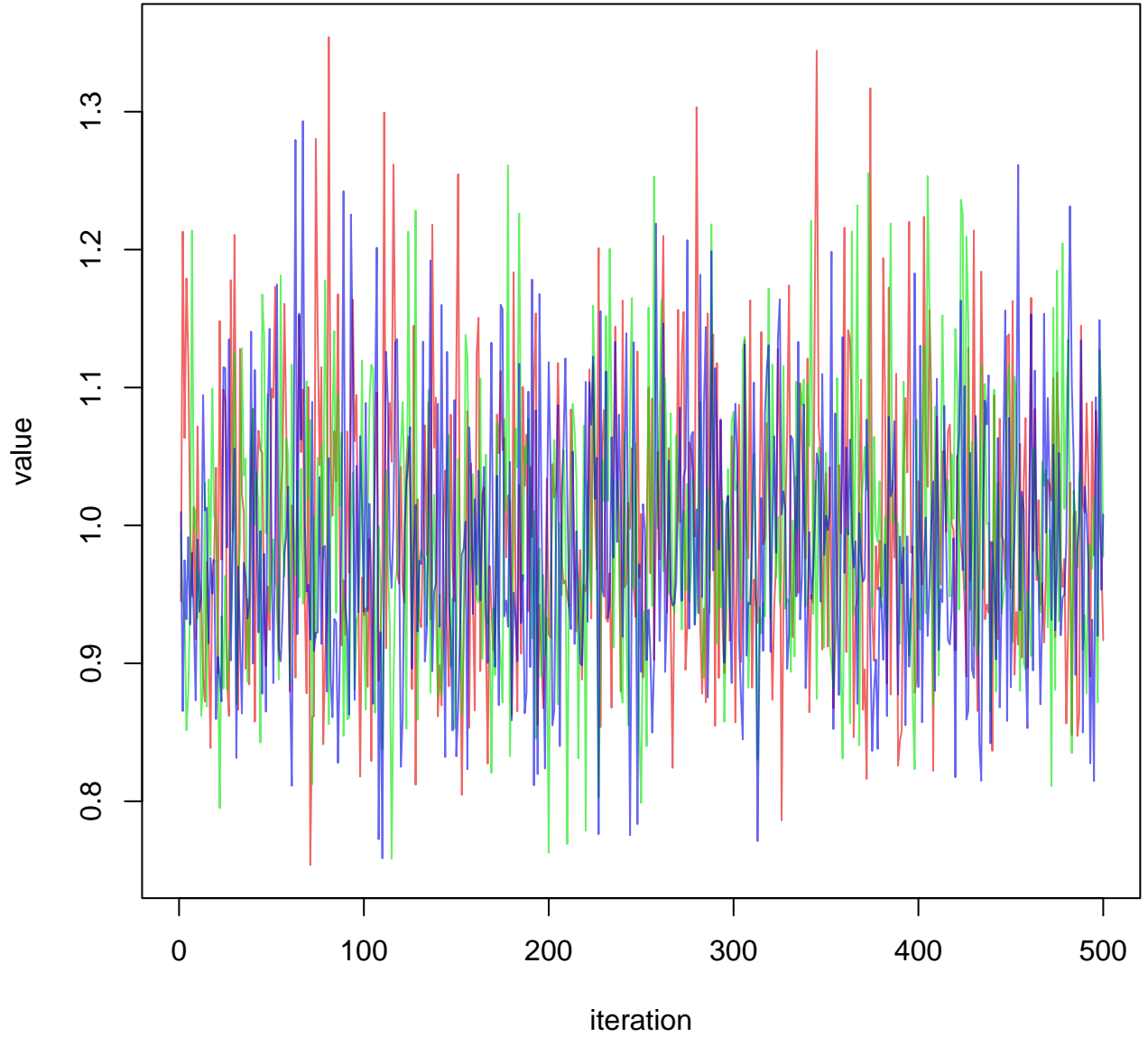
b0



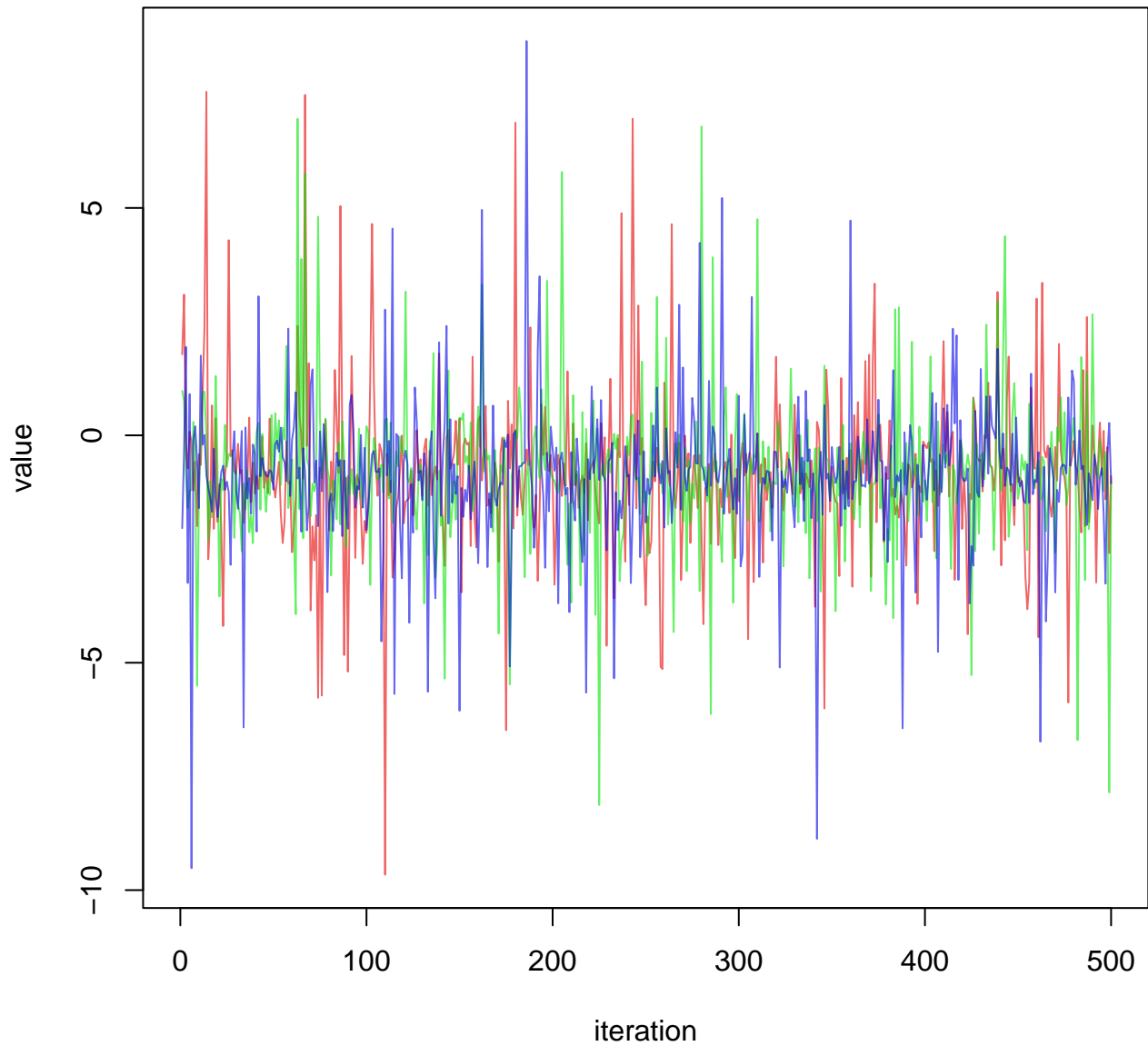
b1



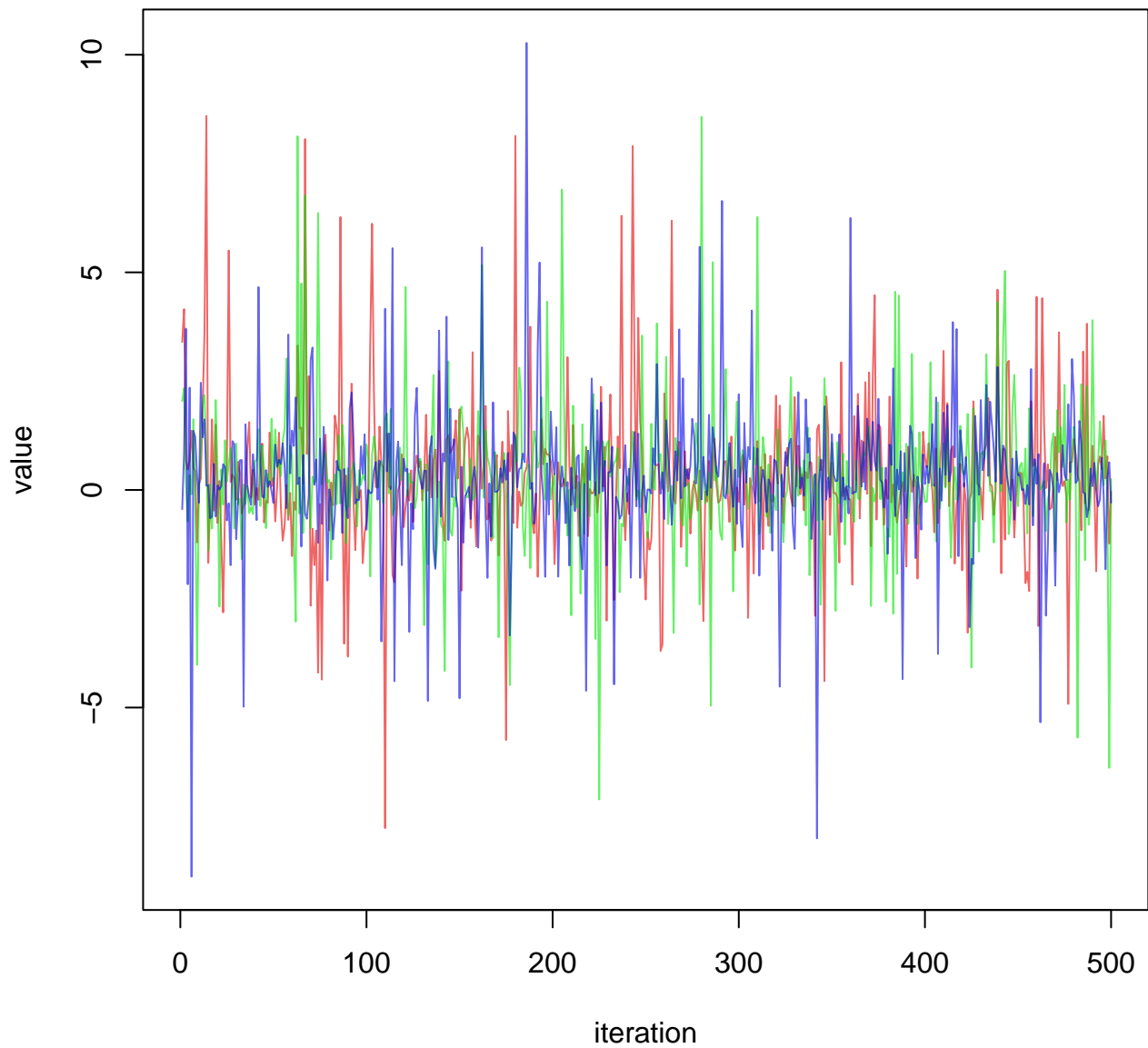
sig



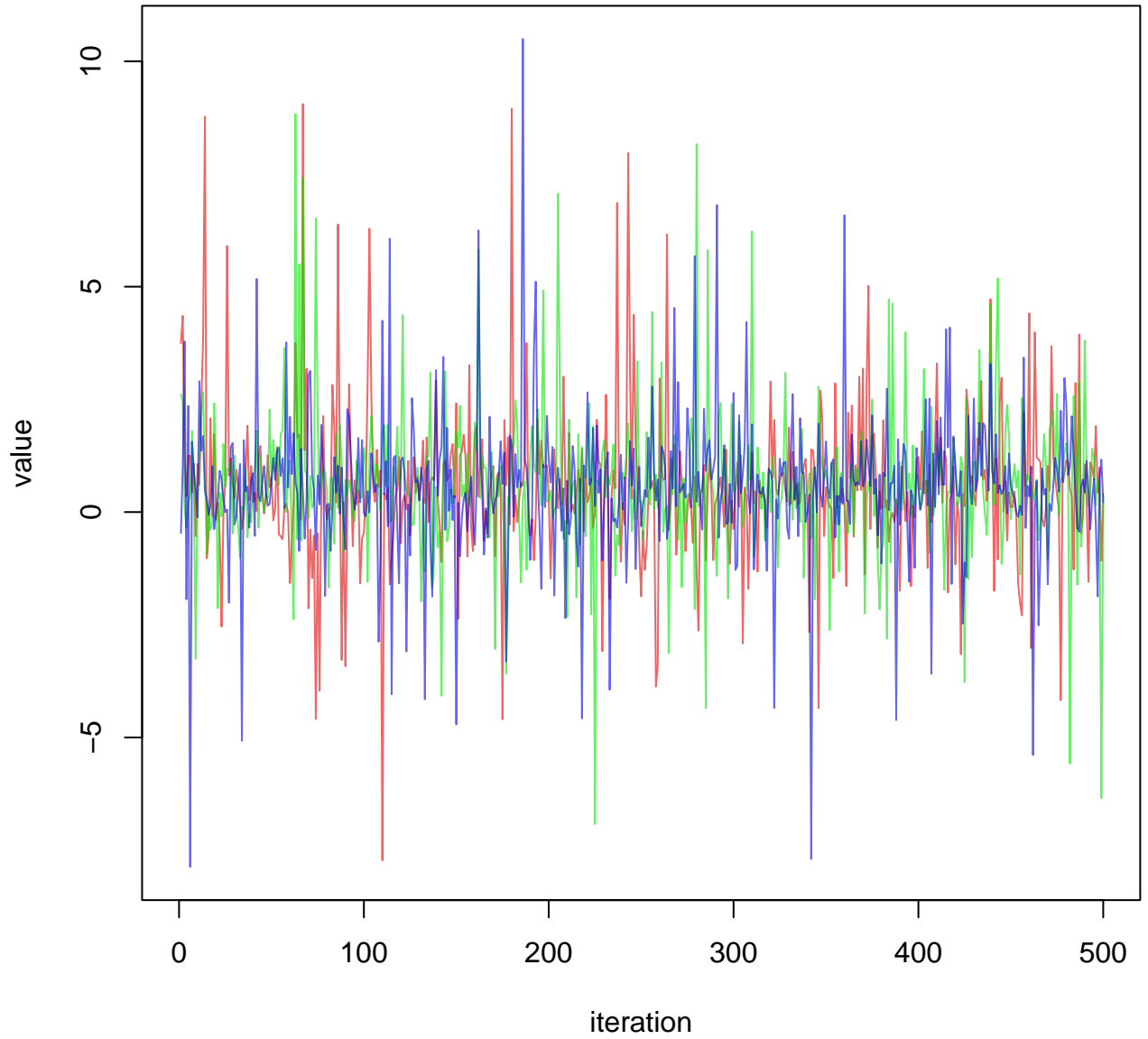
a[1]



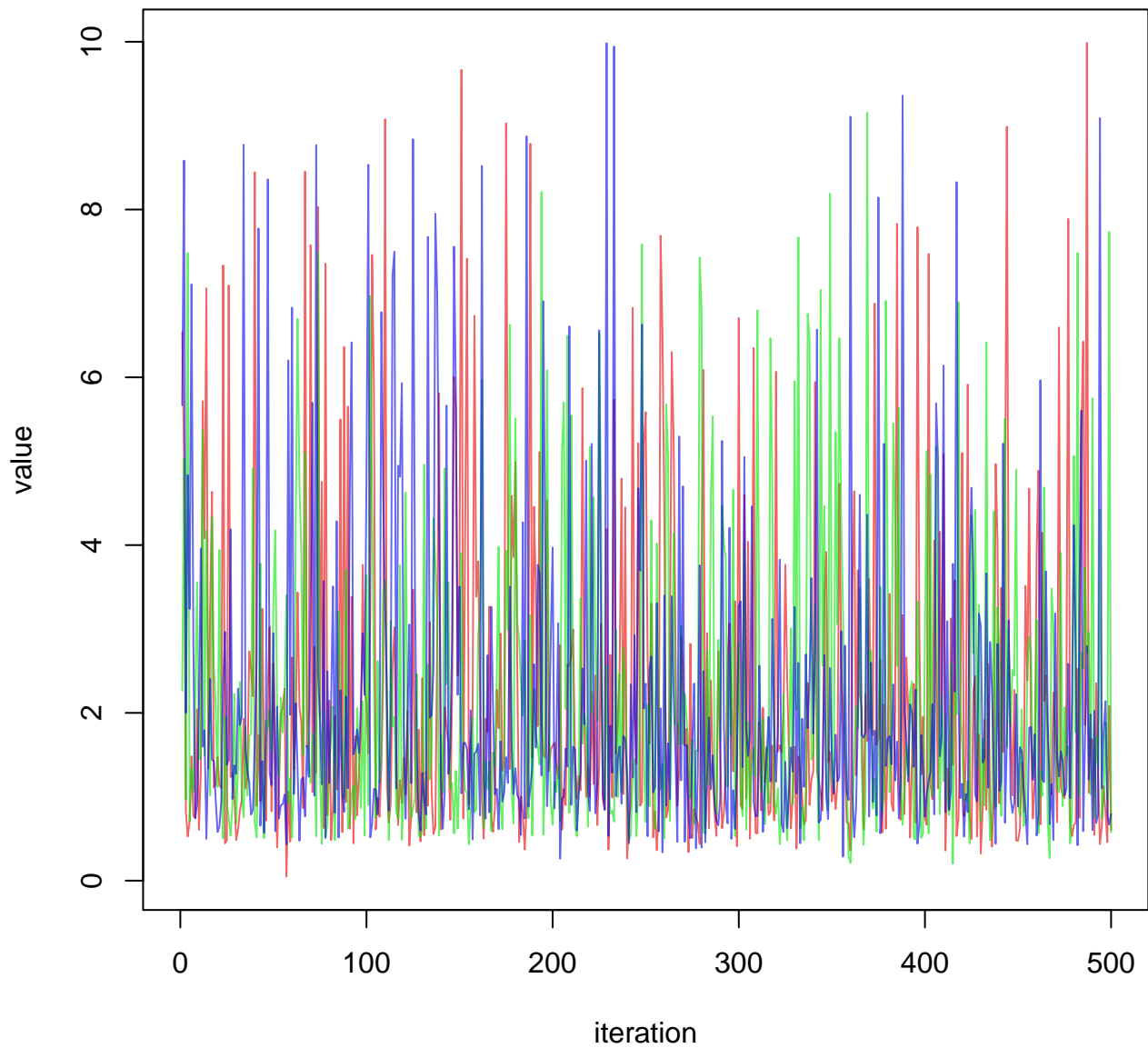
a[2]



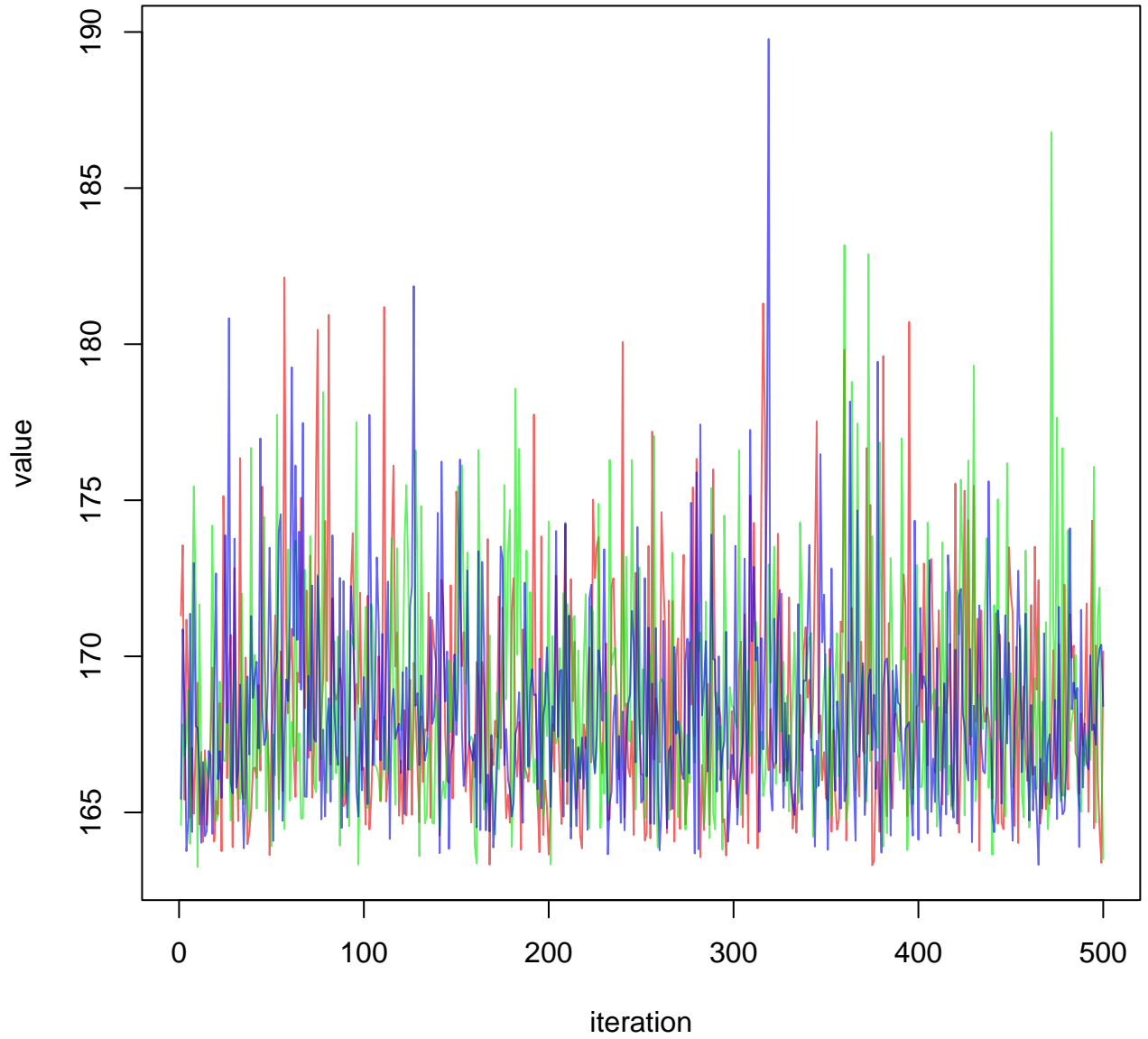
a[3]



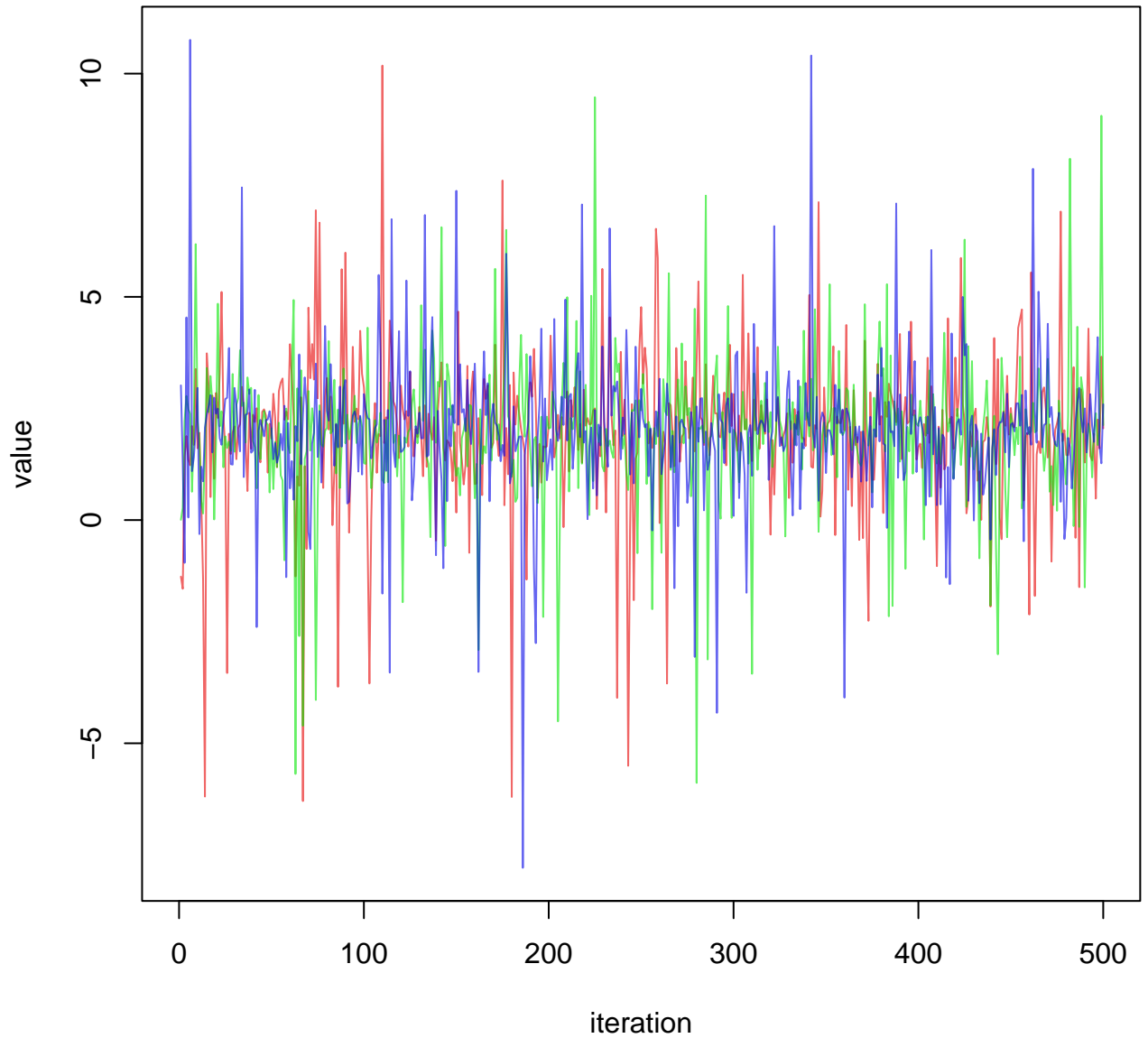
sig_a



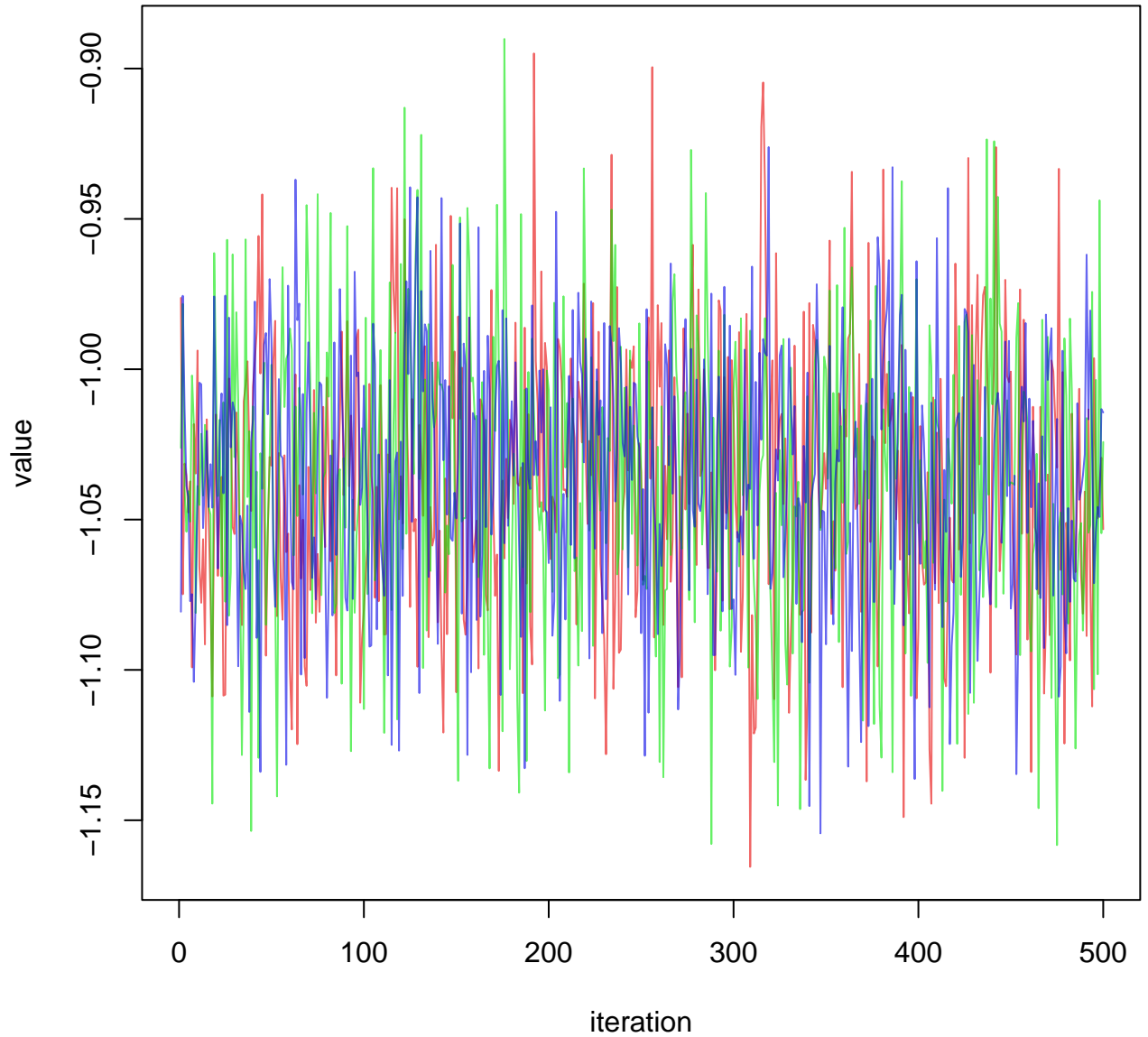
deviance



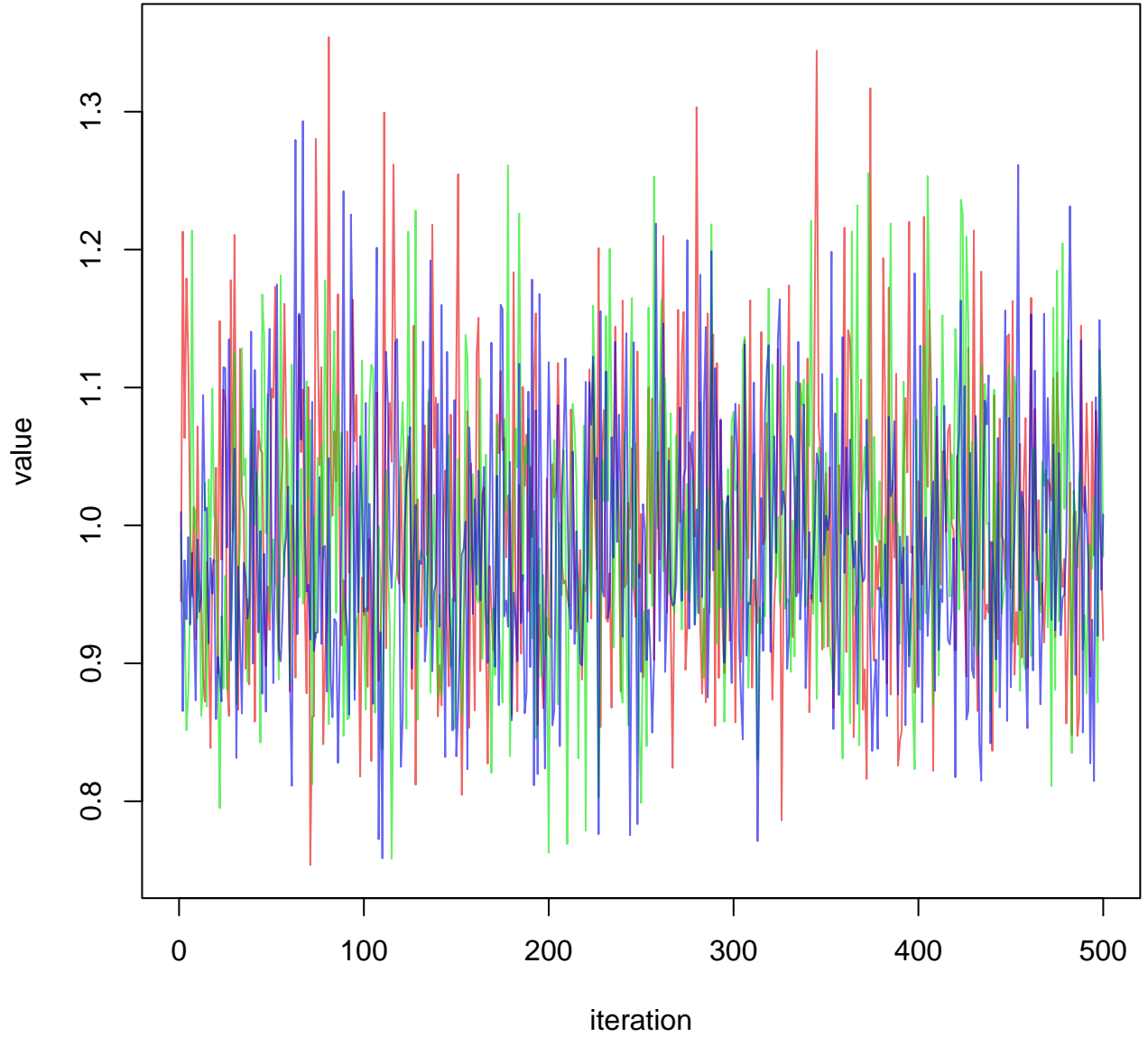
b0



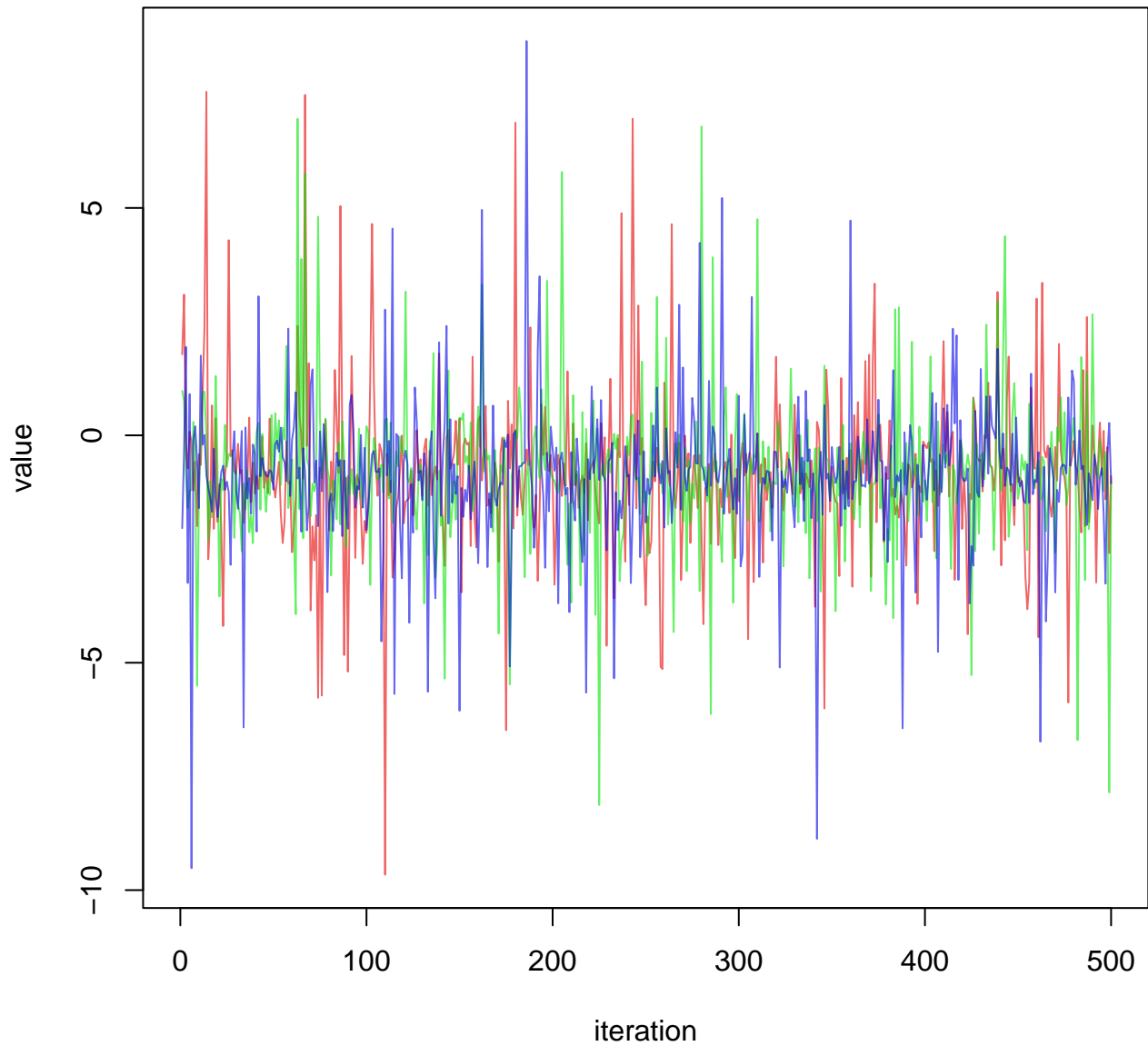
b1



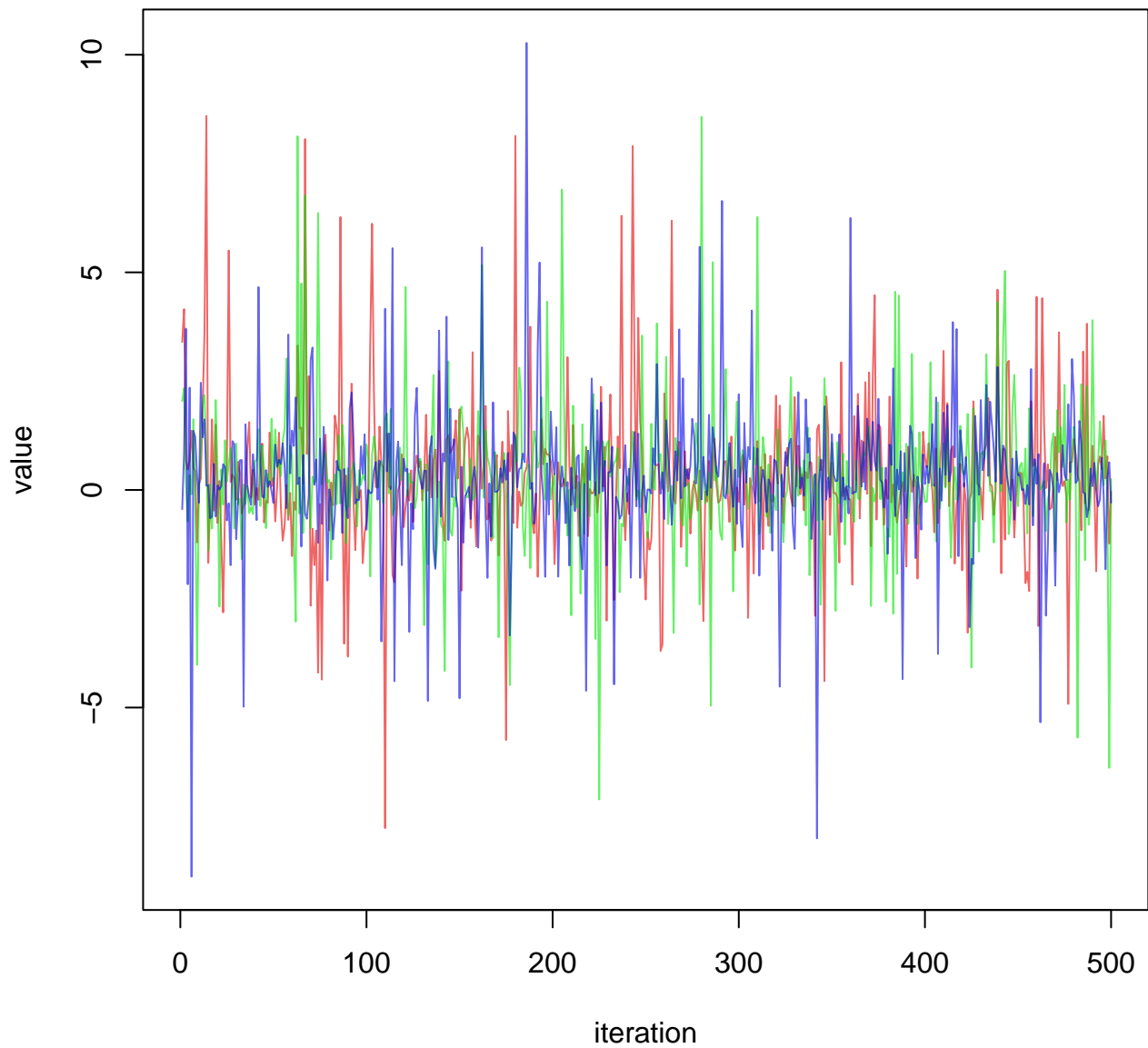
sig



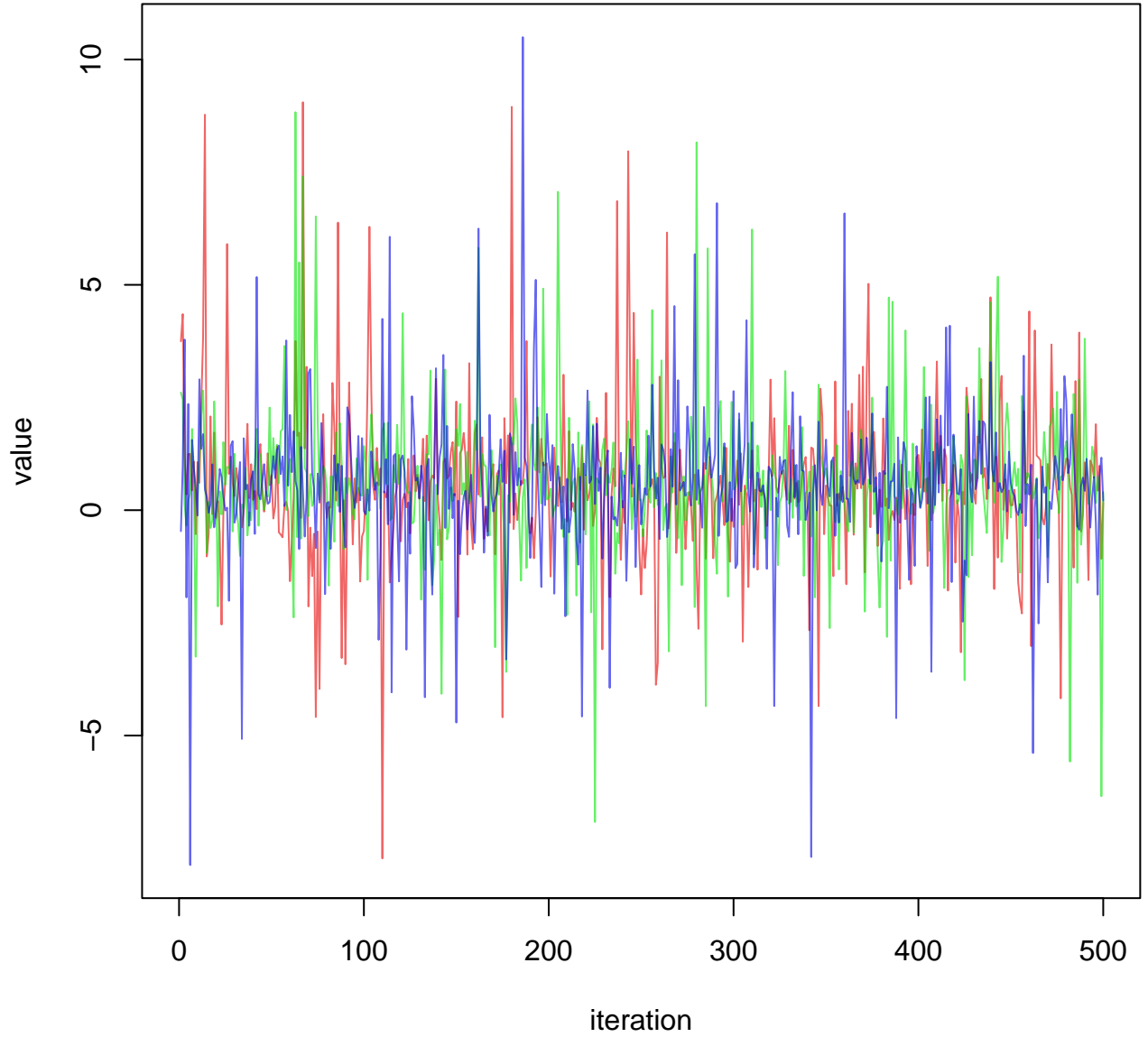
a[1]



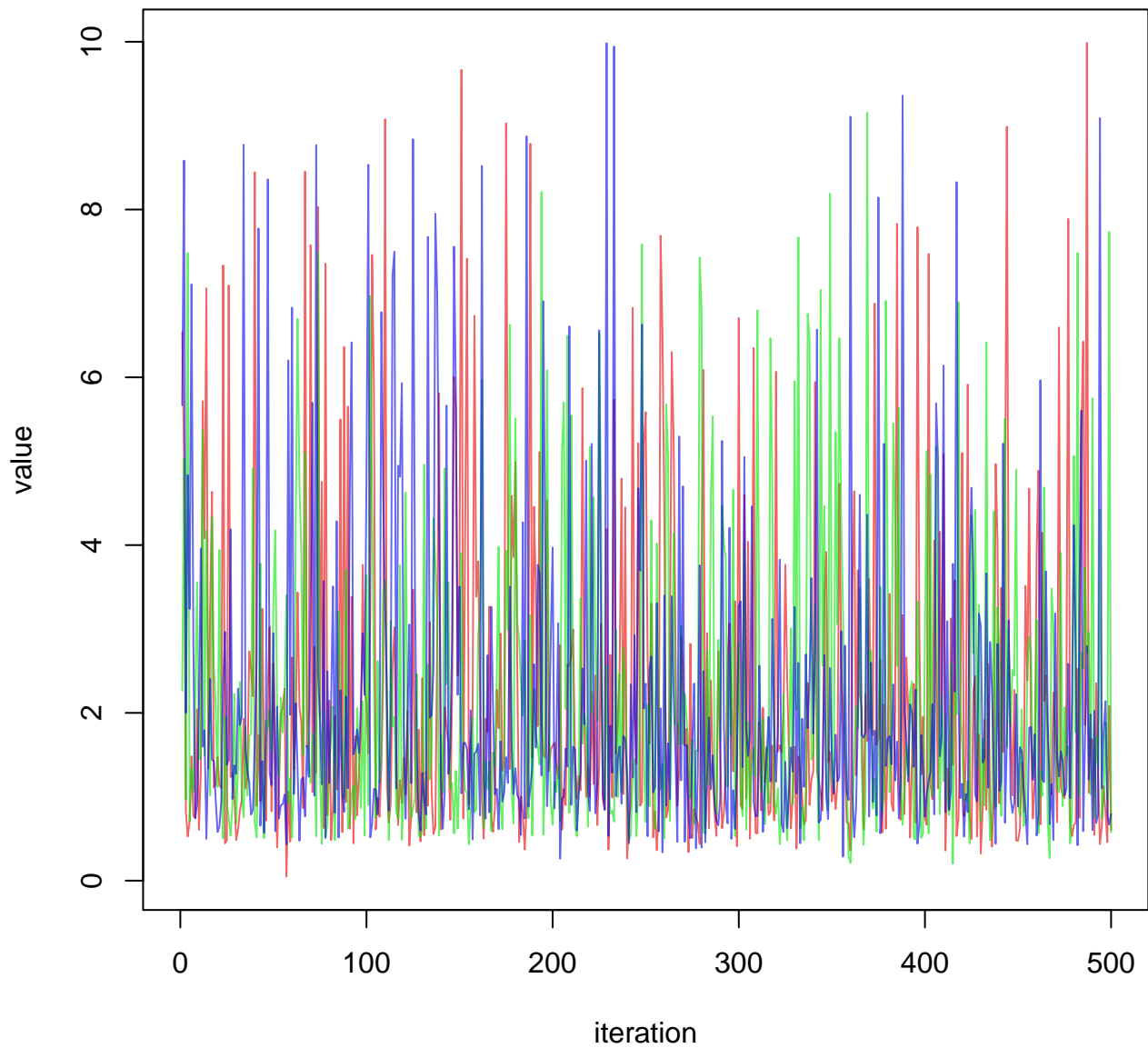
a[2]



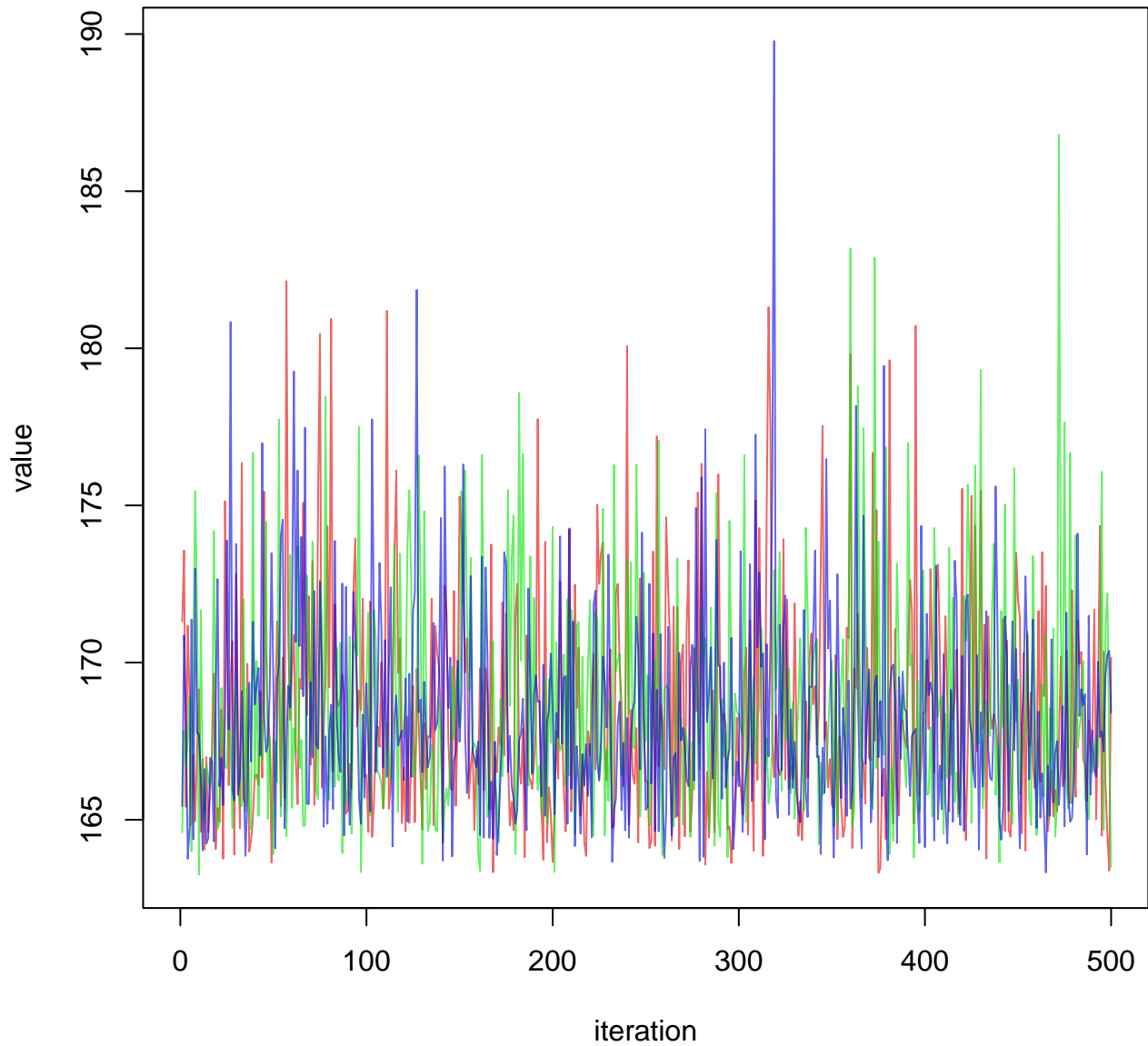
a[3]

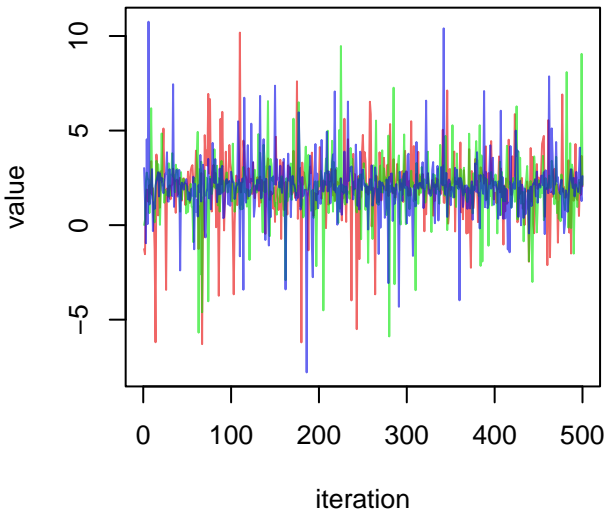
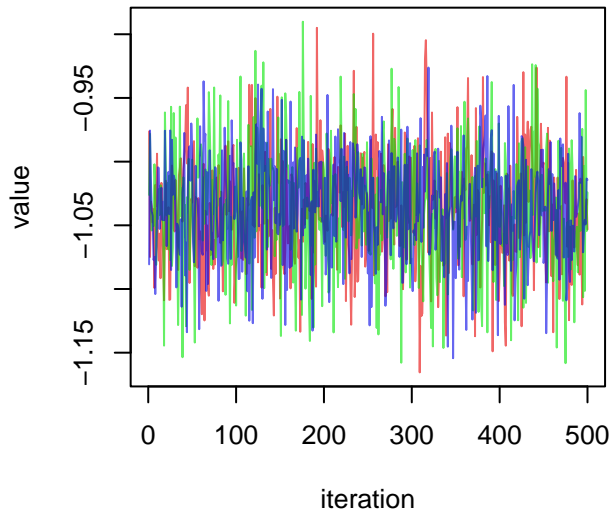
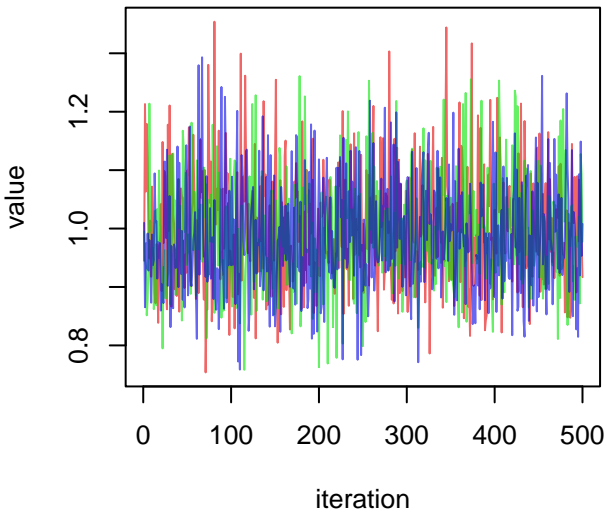
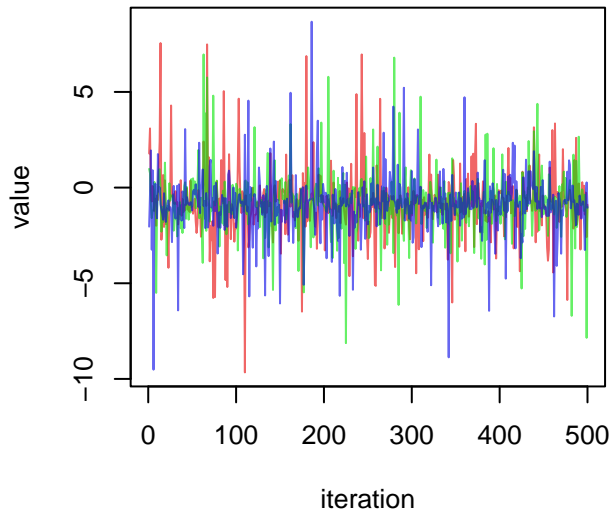


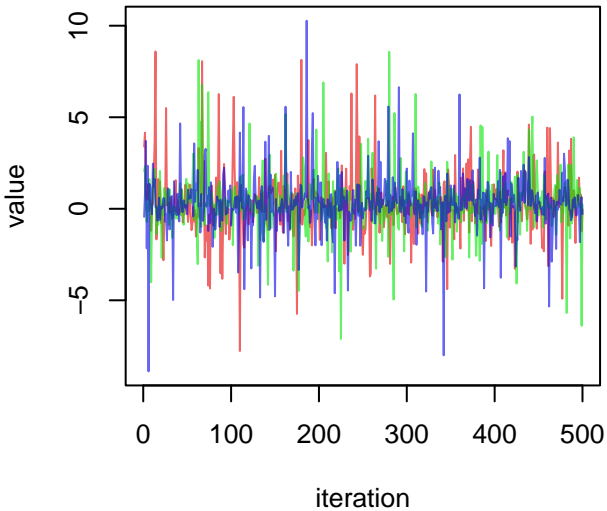
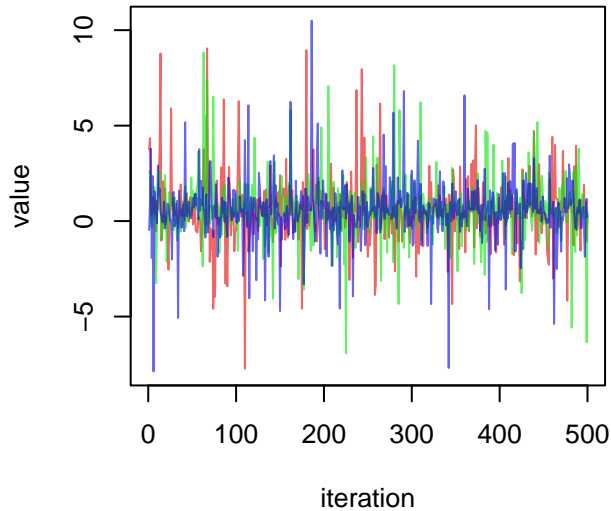
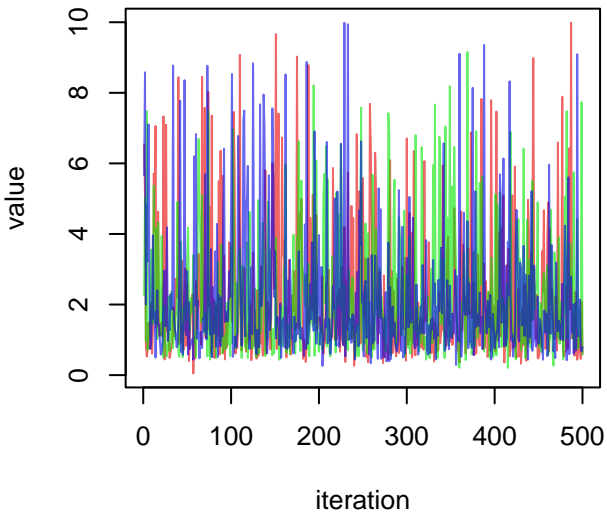
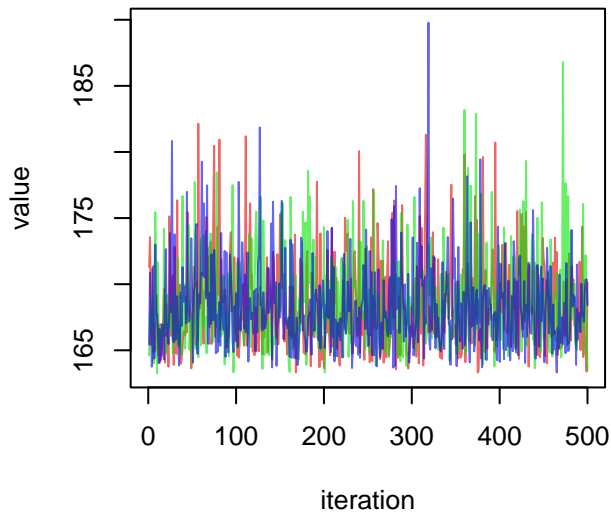
sig_a



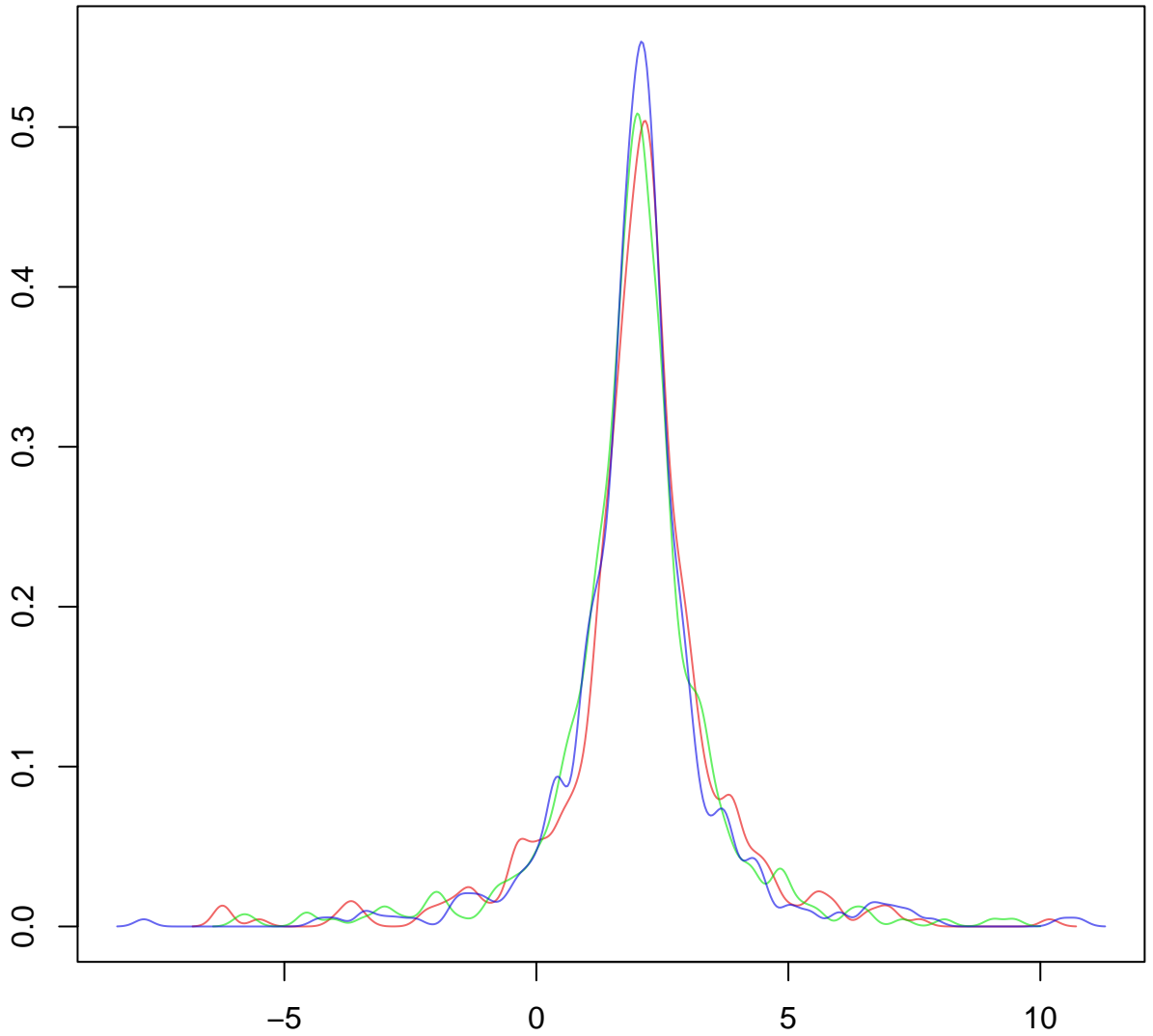
deviance



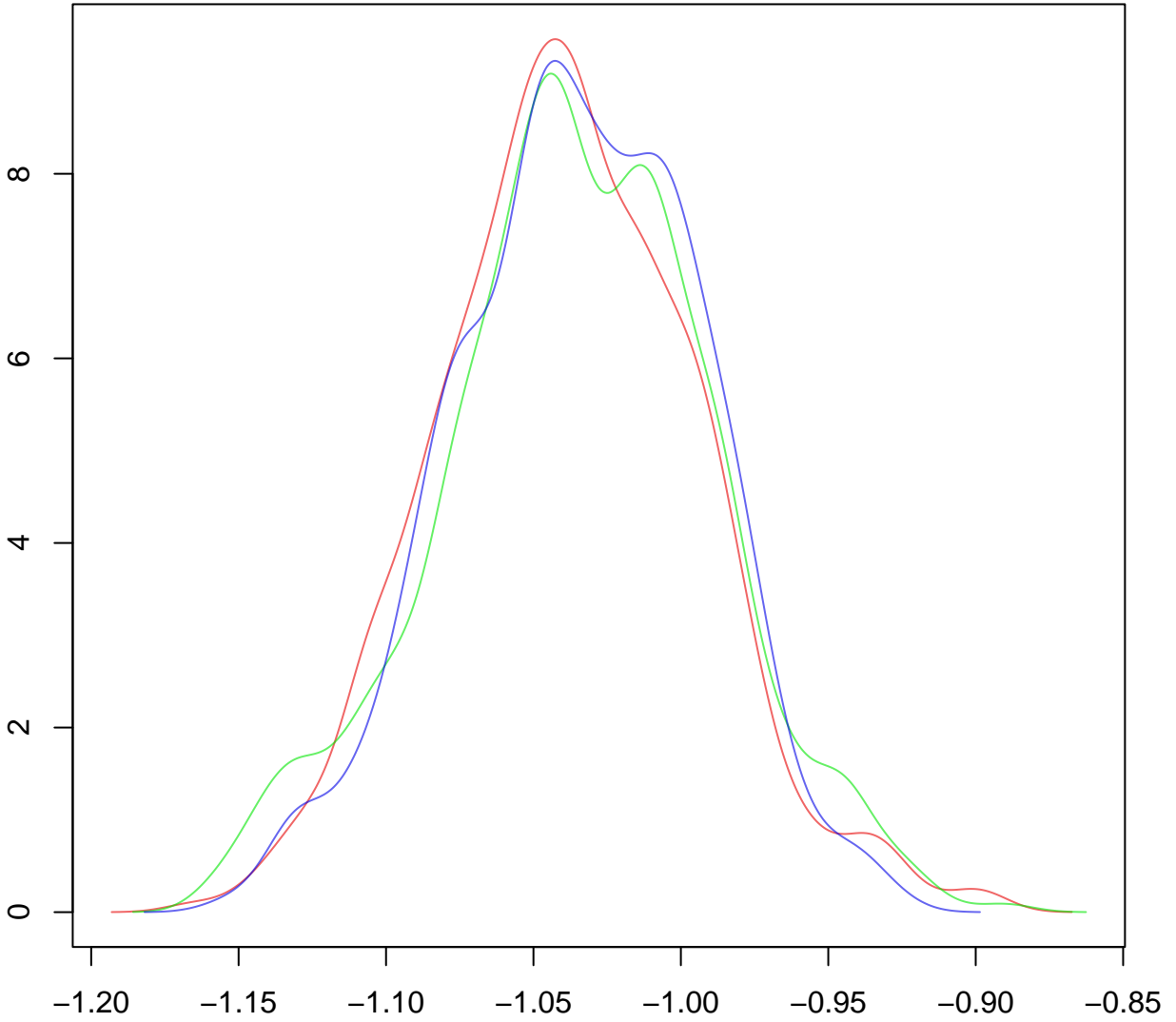
b0**b1****sig****a[1]**

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

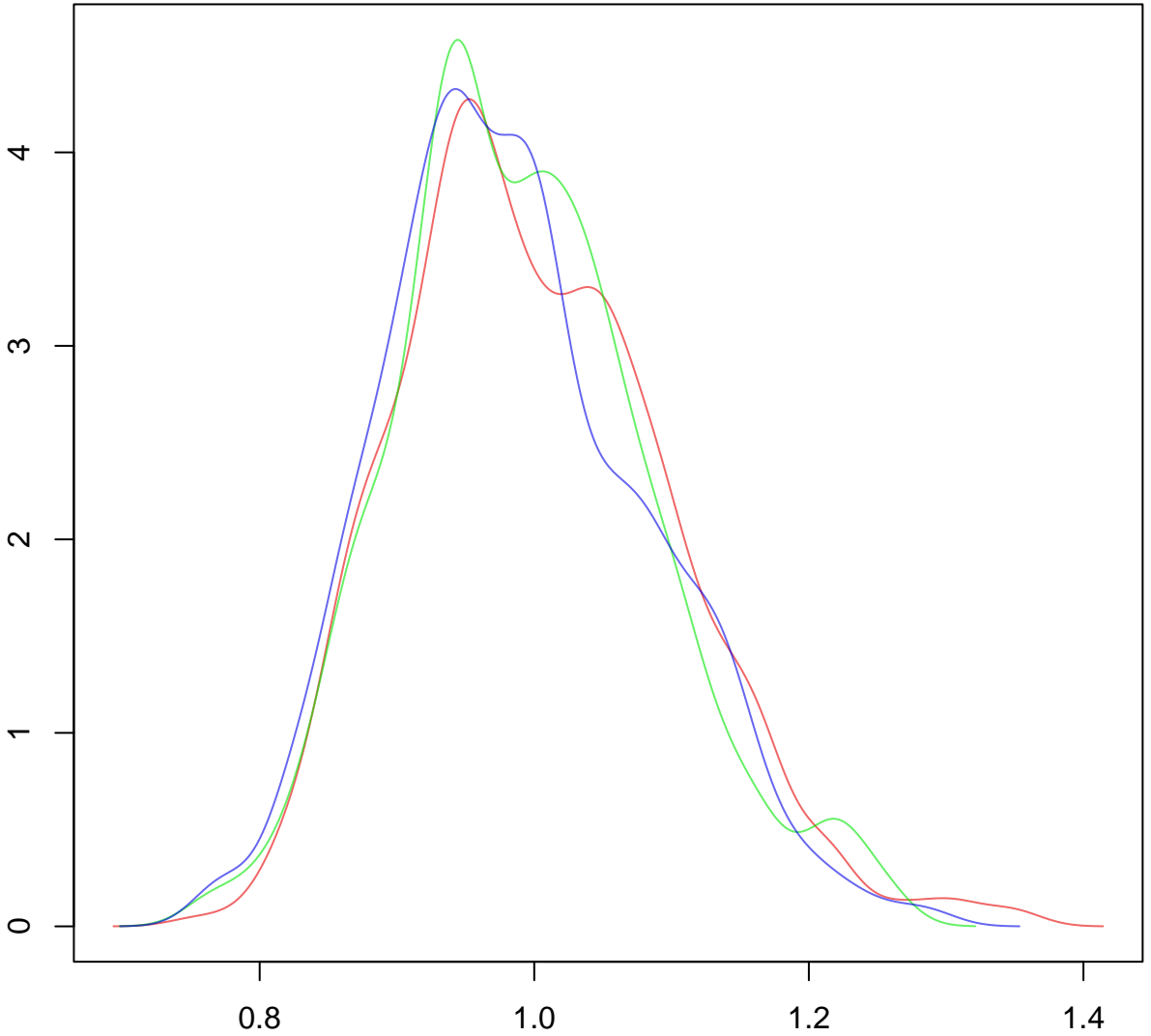
b0



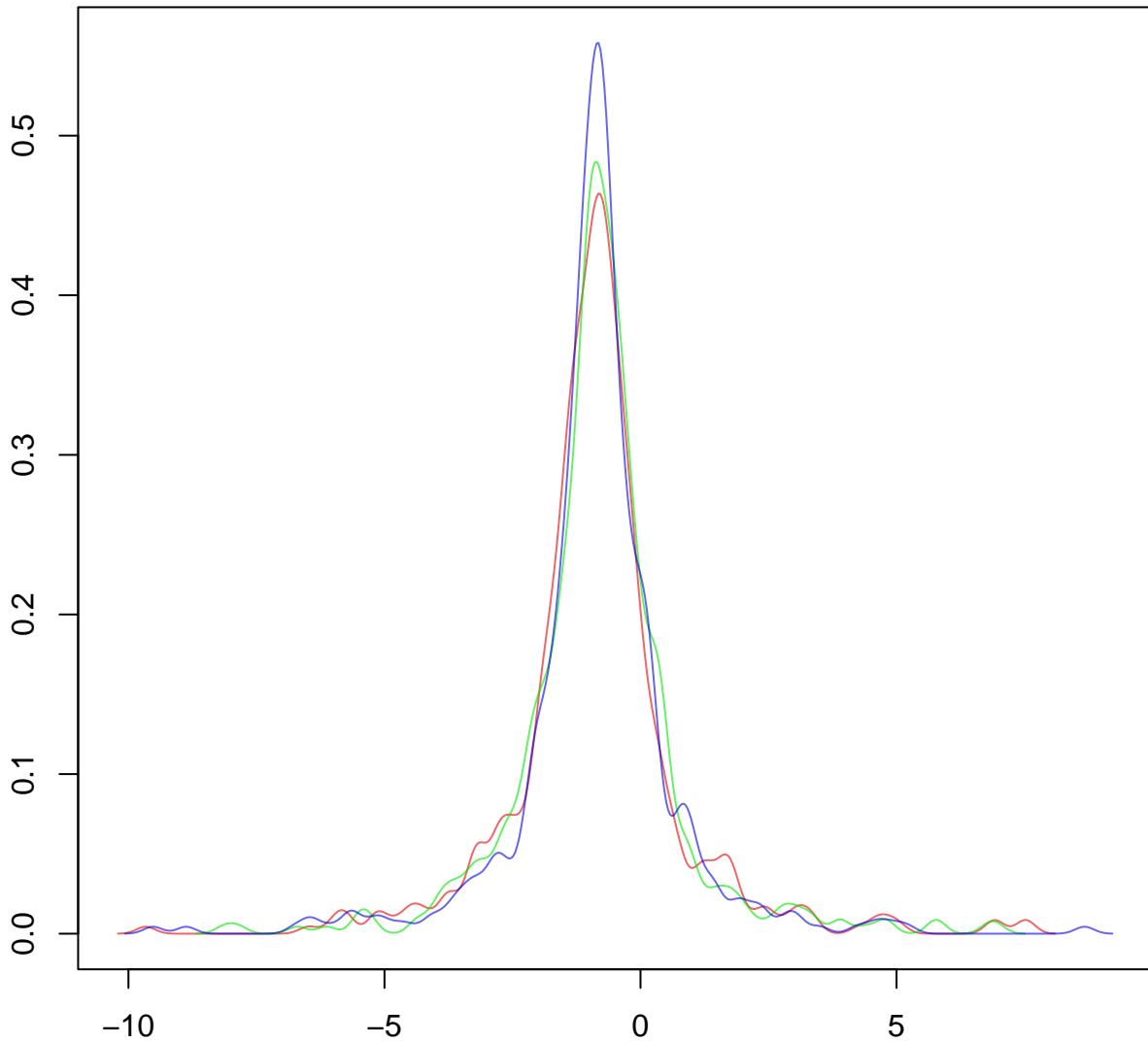
b1



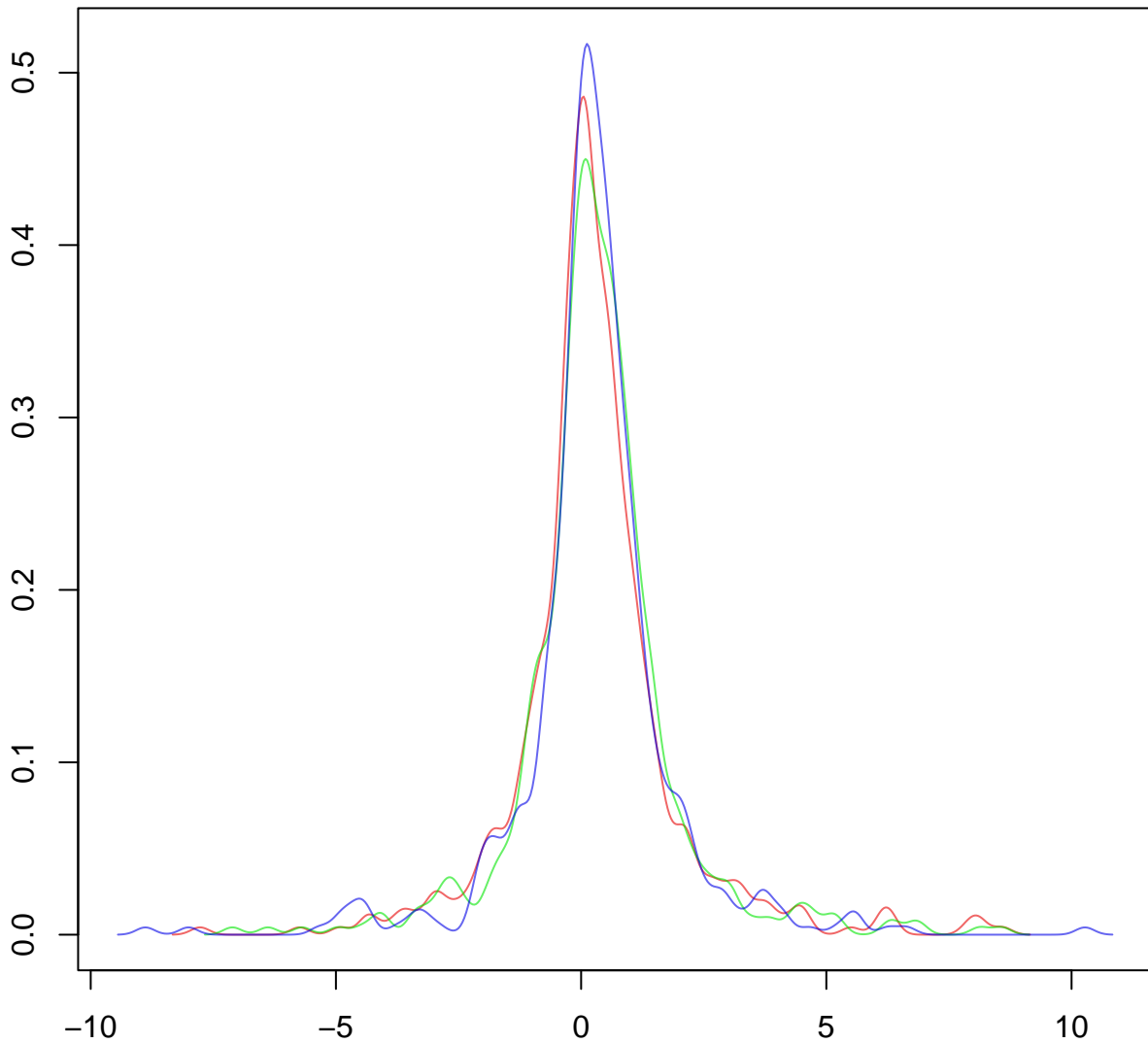
sig



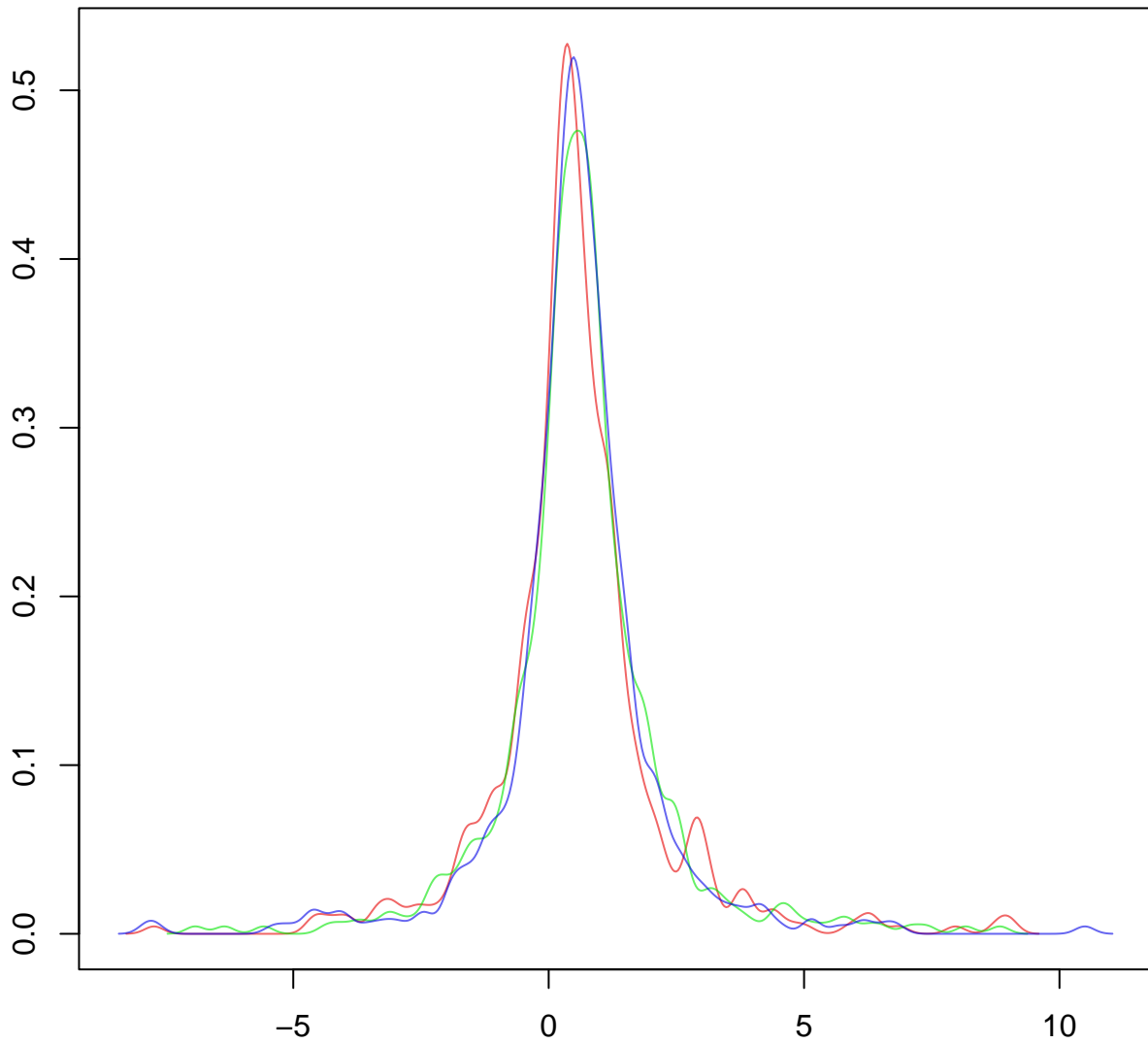
a[1]



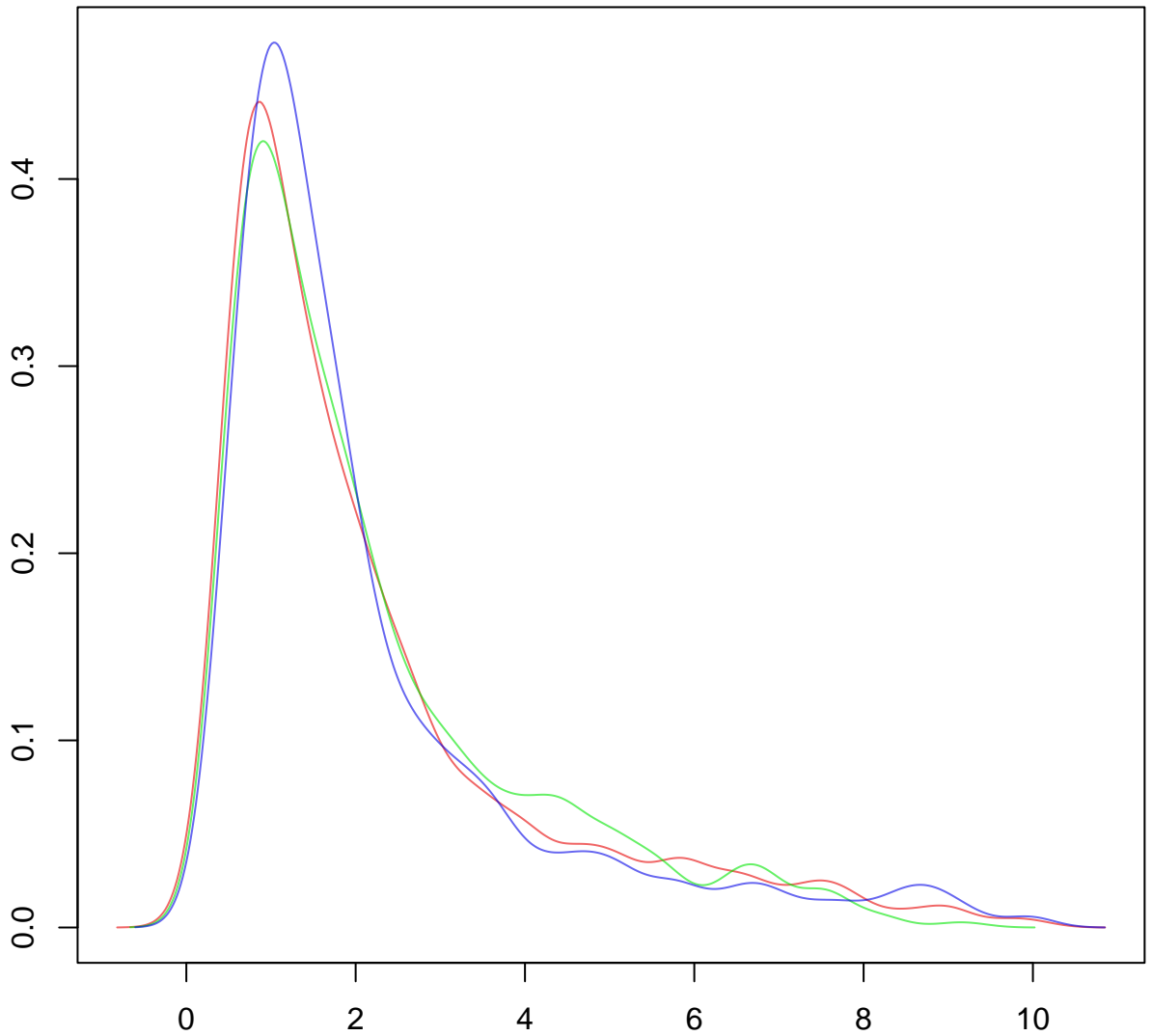
a[2]



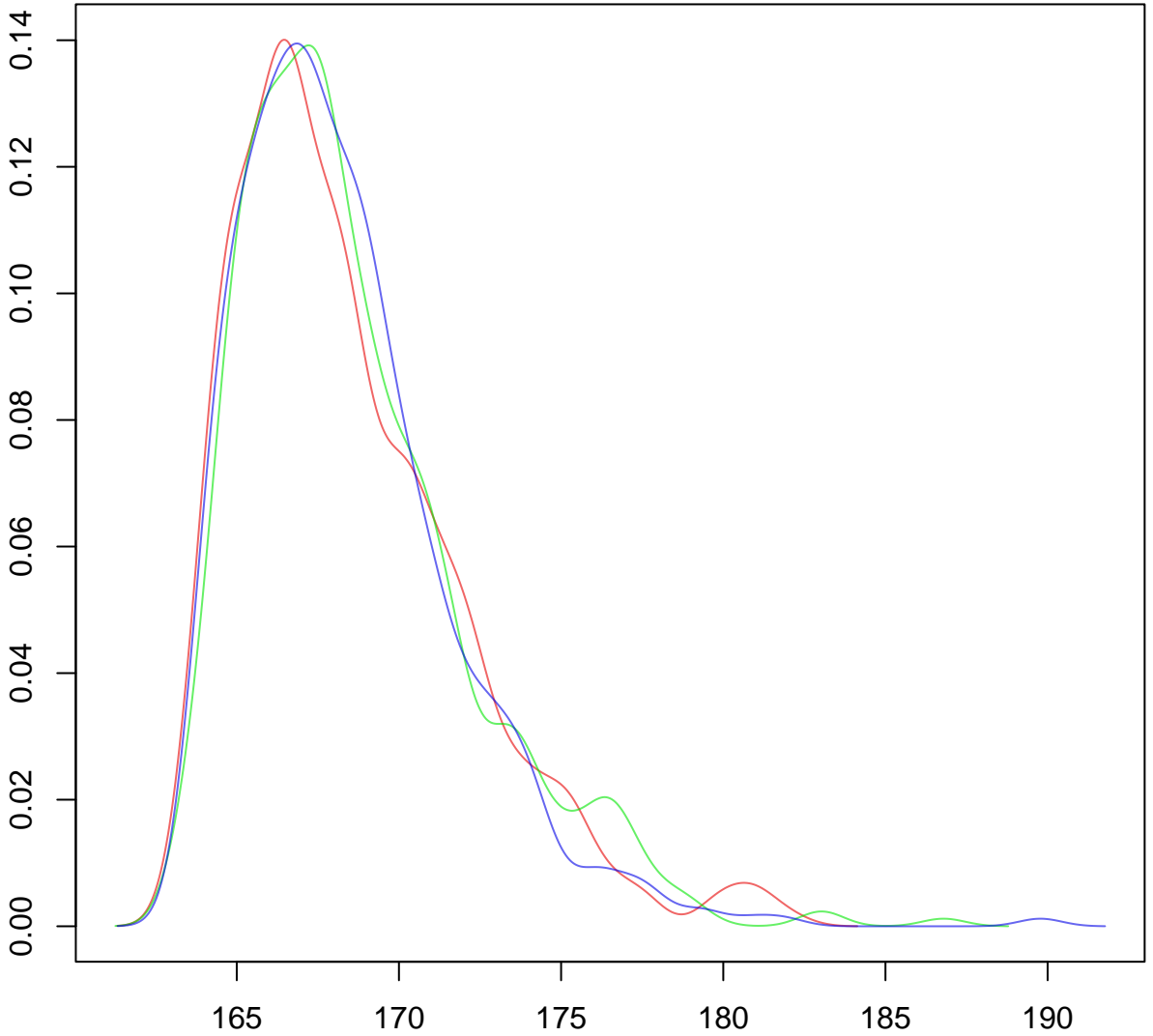
a[3]



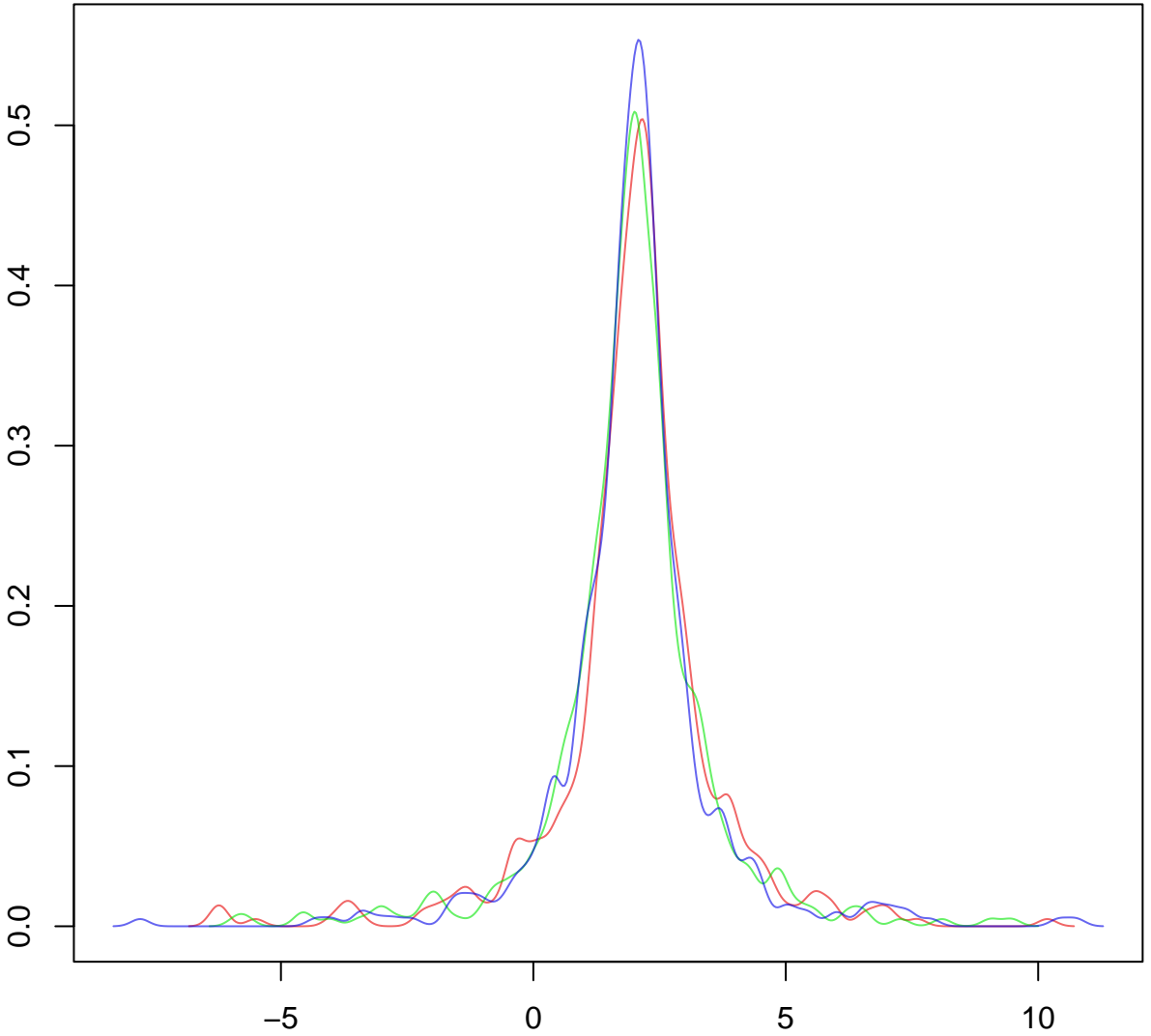
sig_a



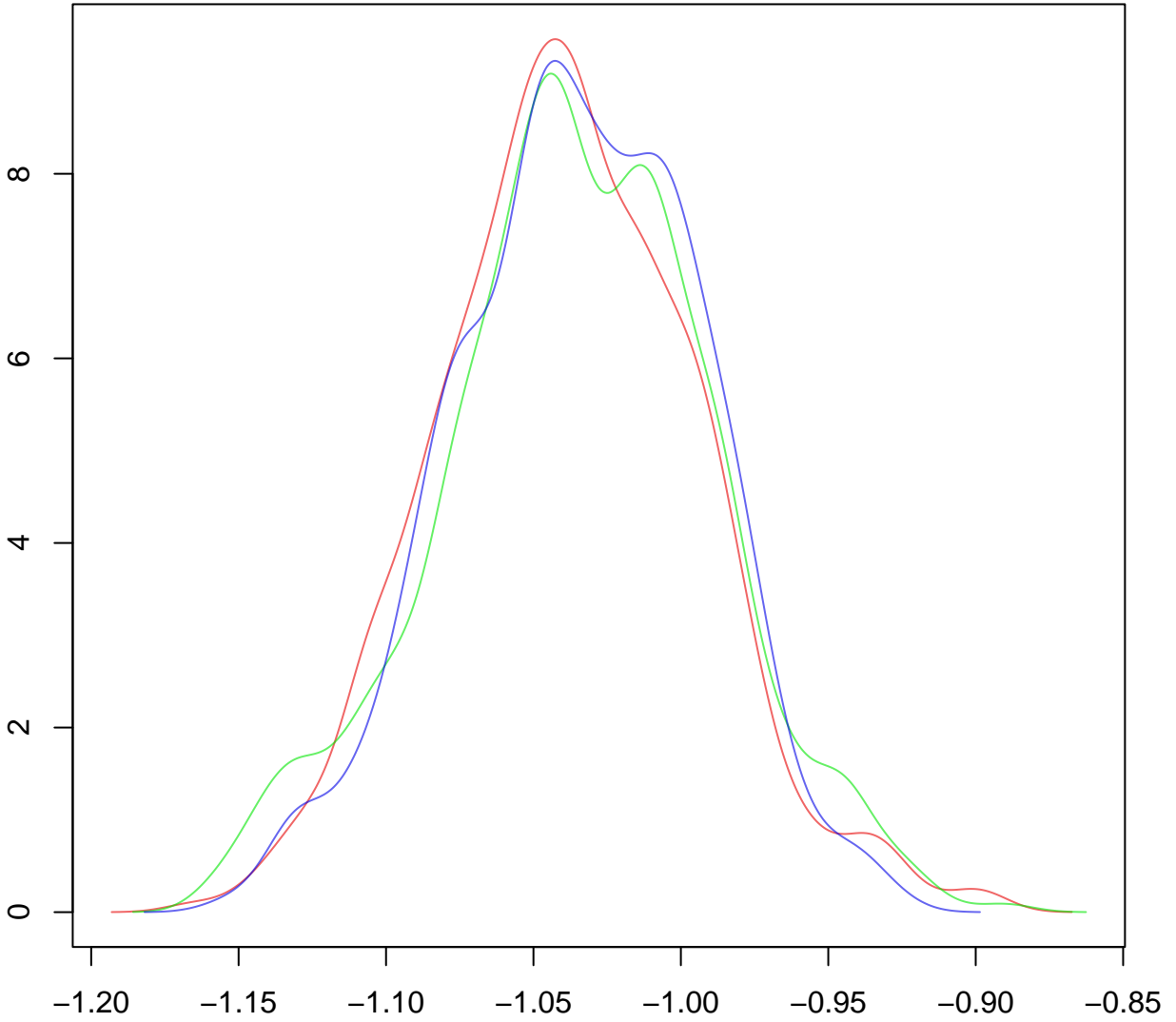
deviance



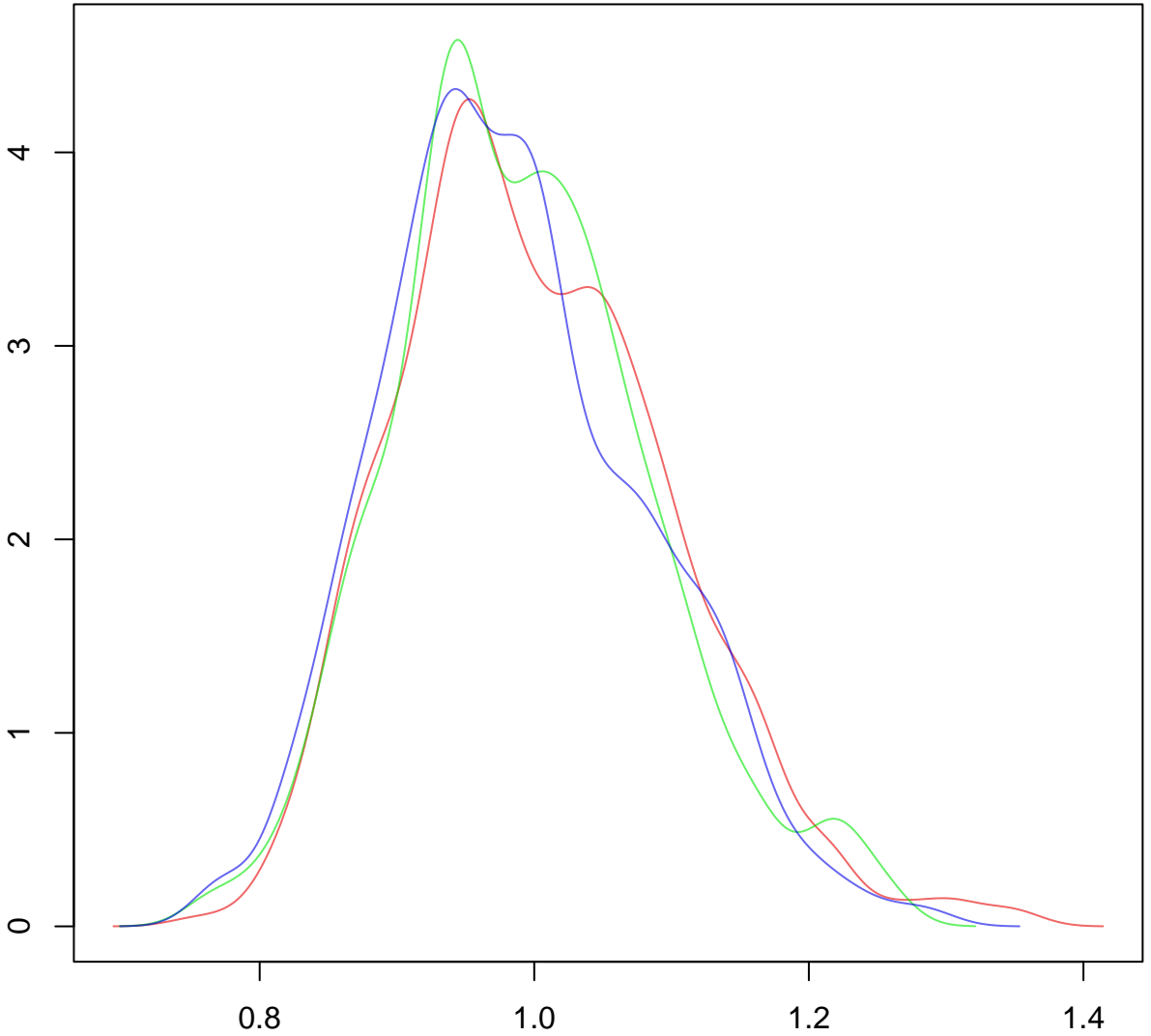
b0



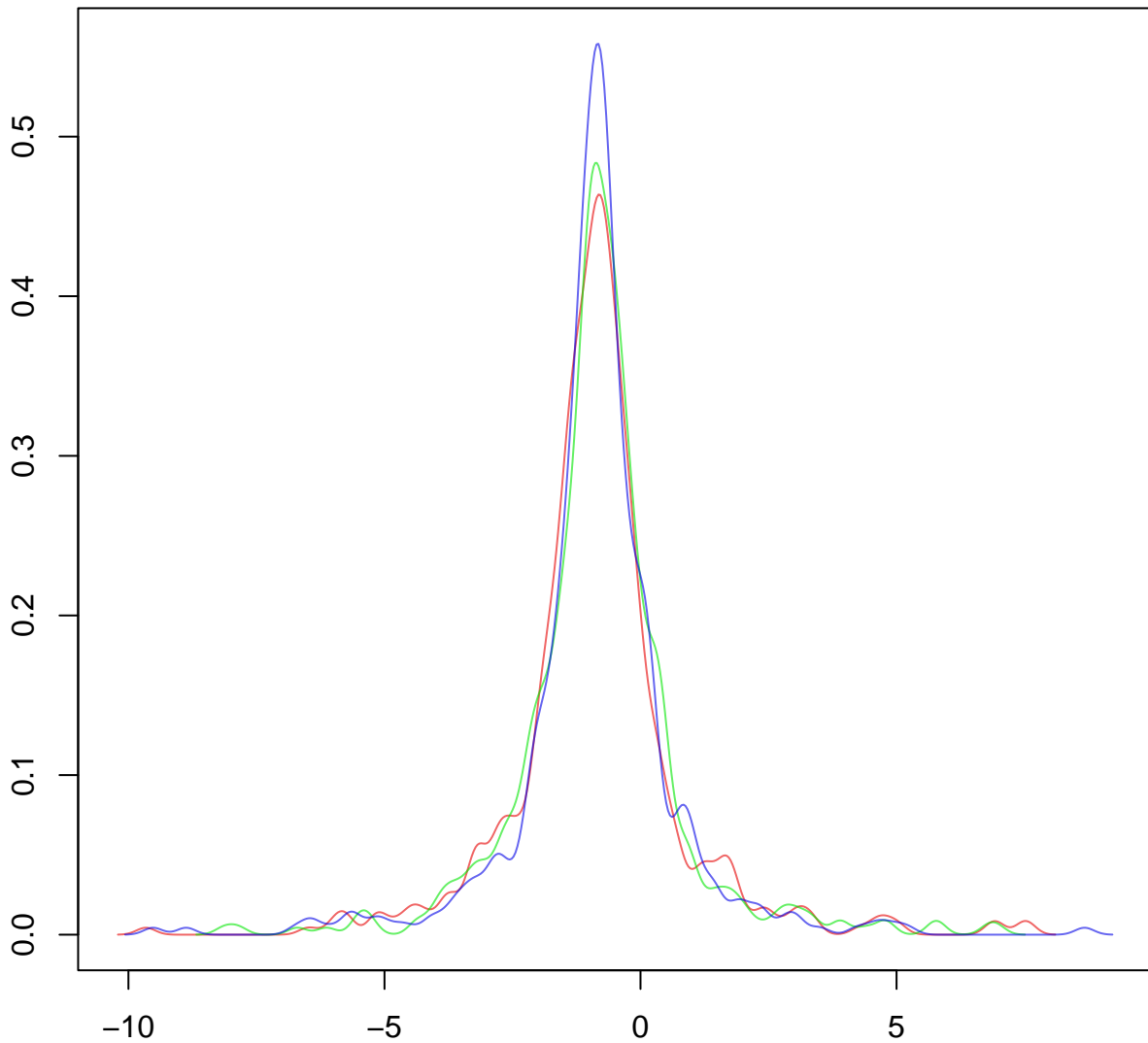
b1



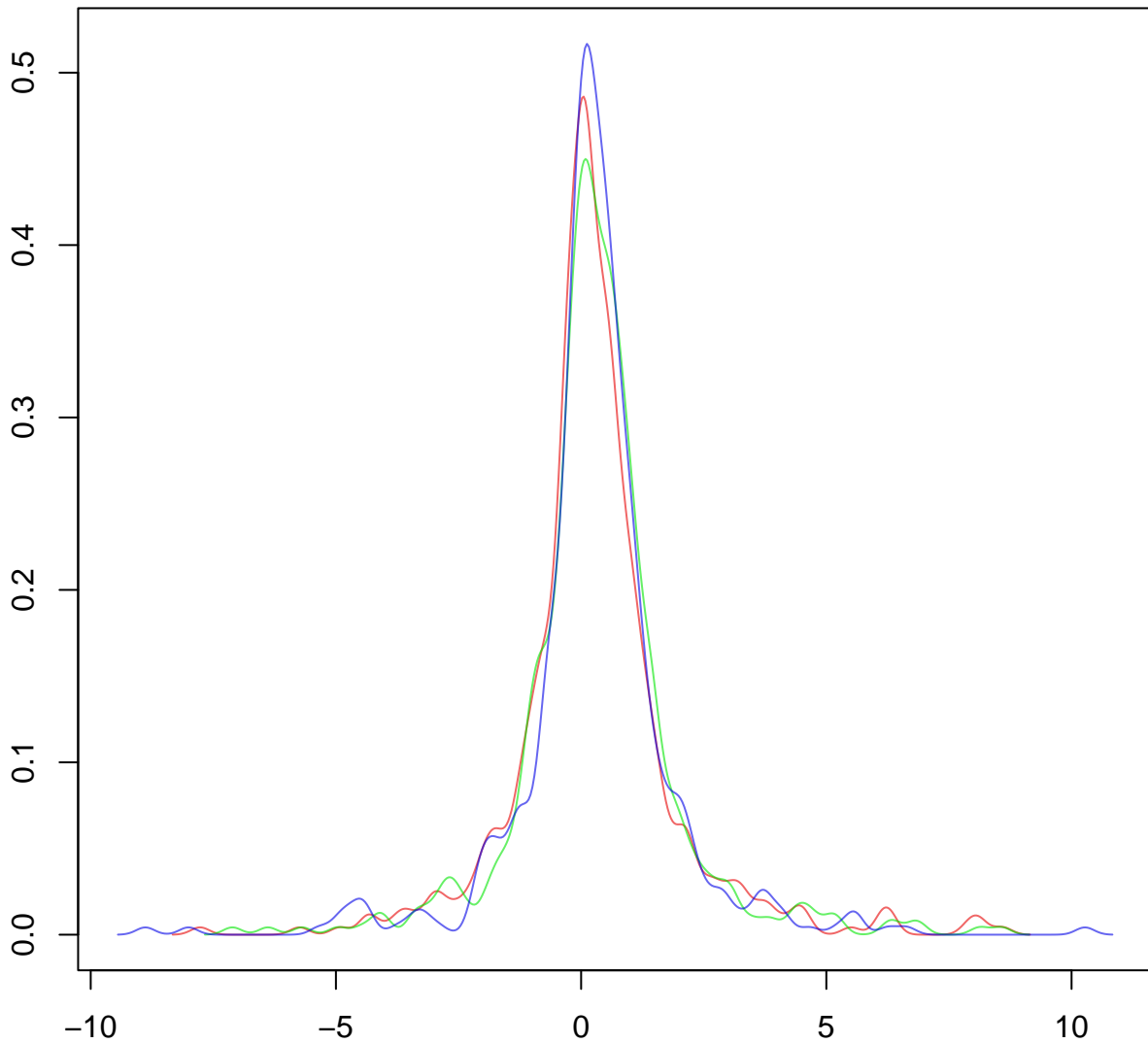
sig



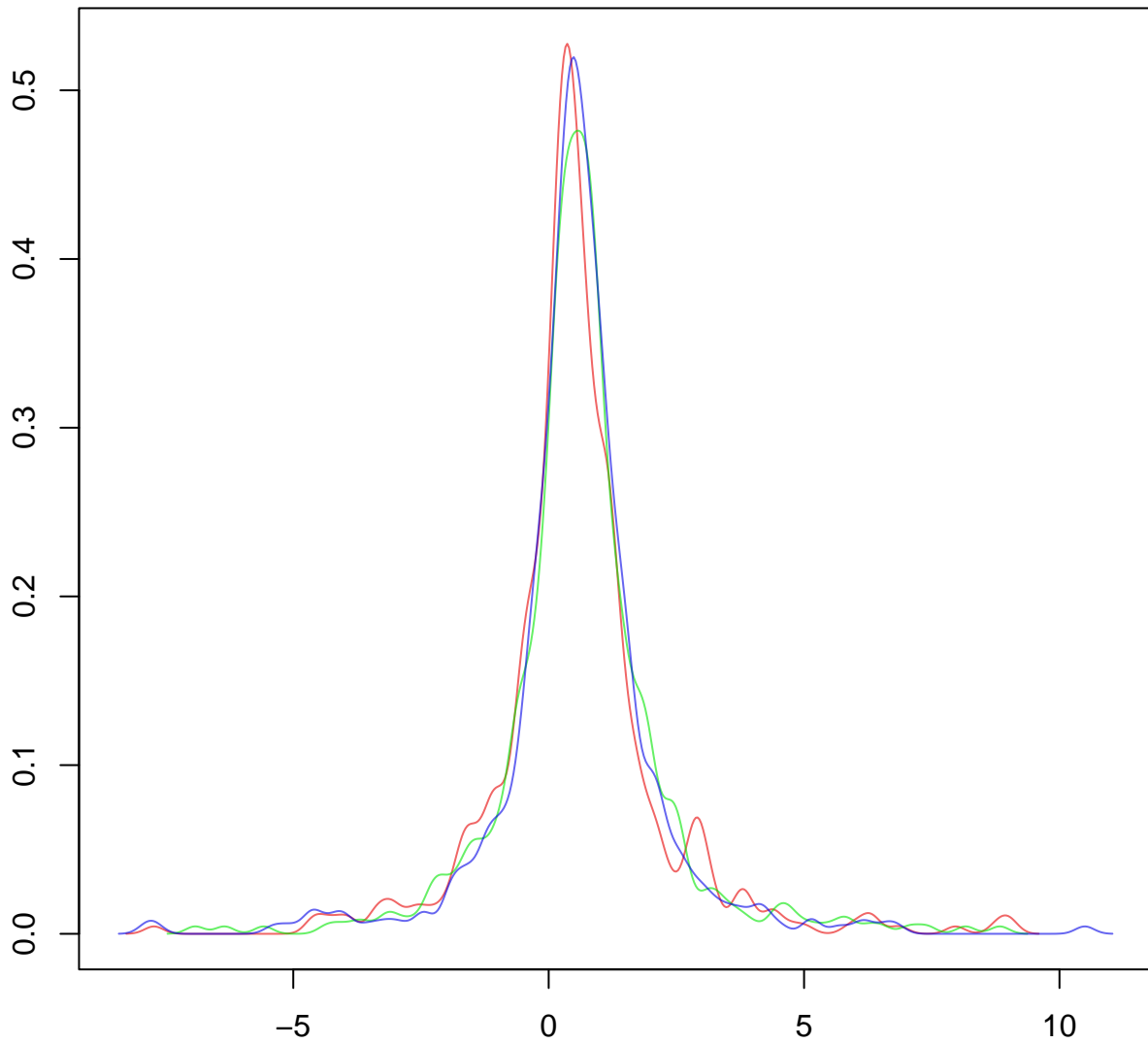
a[1]



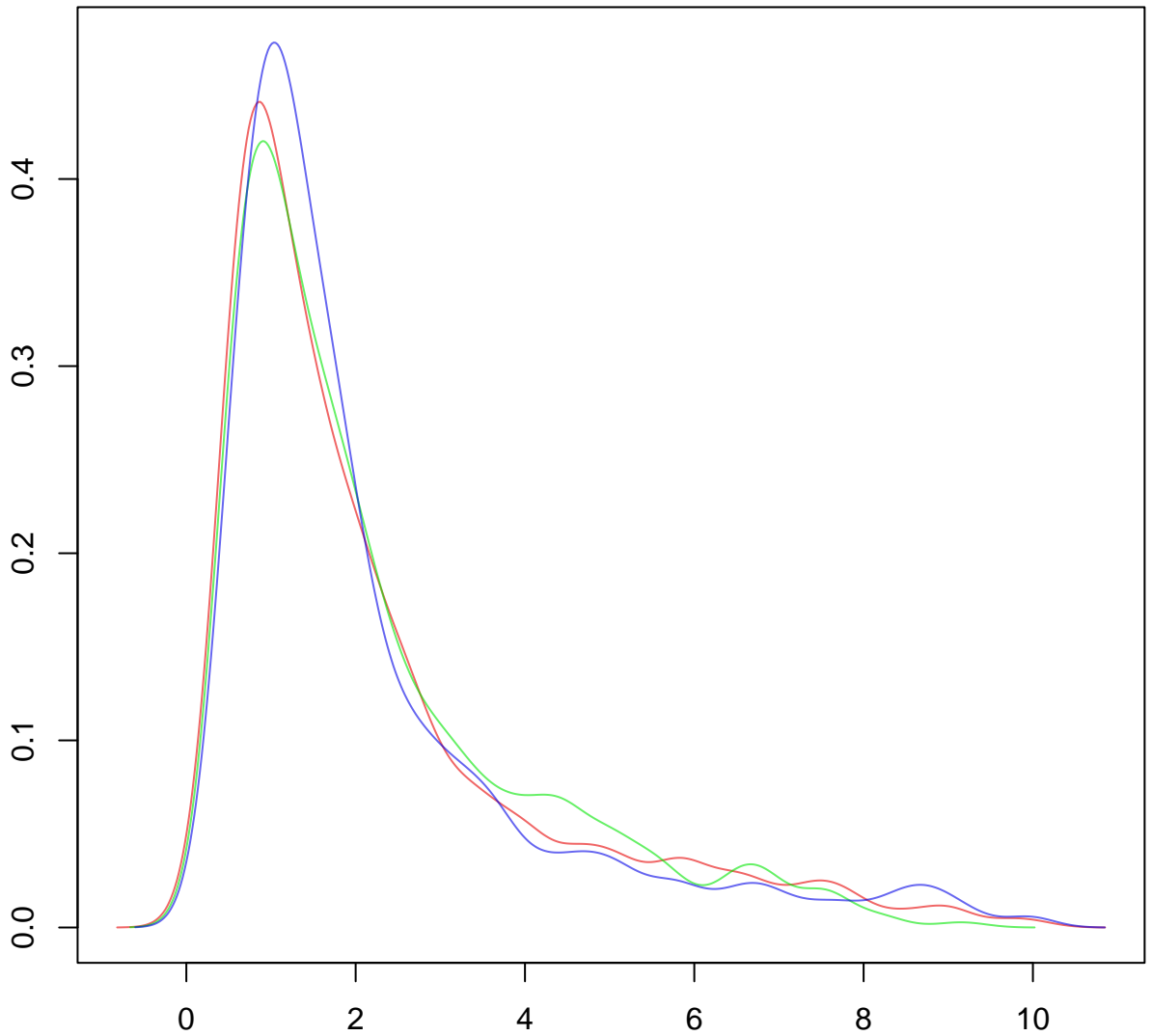
a[2]



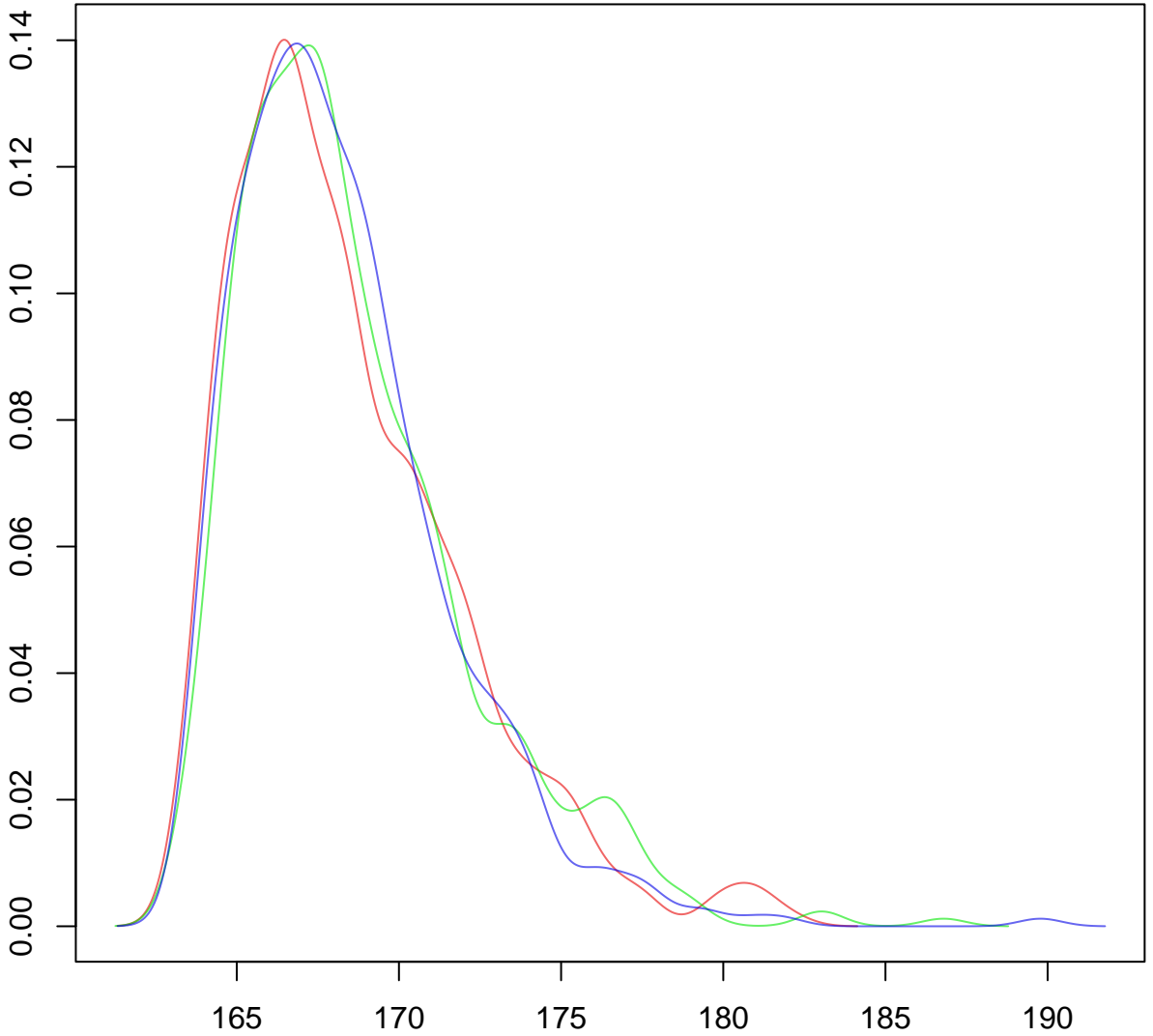
a[3]

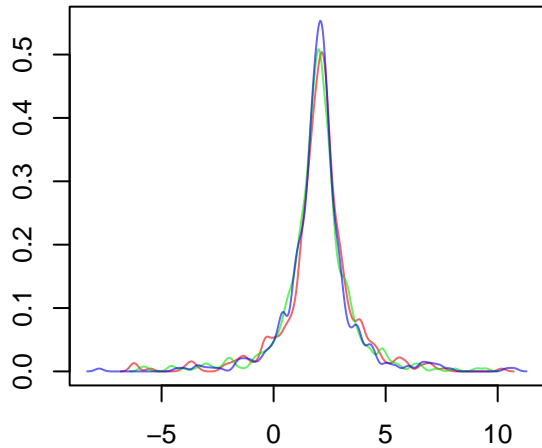
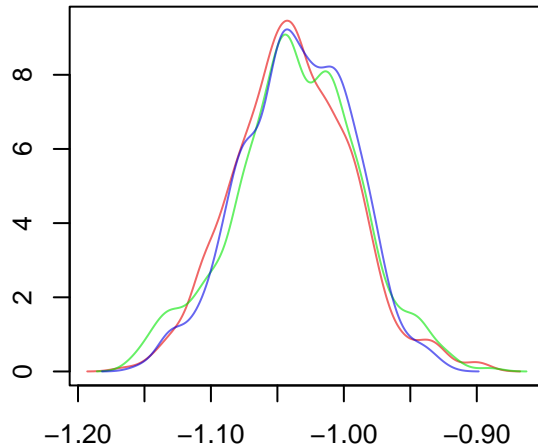
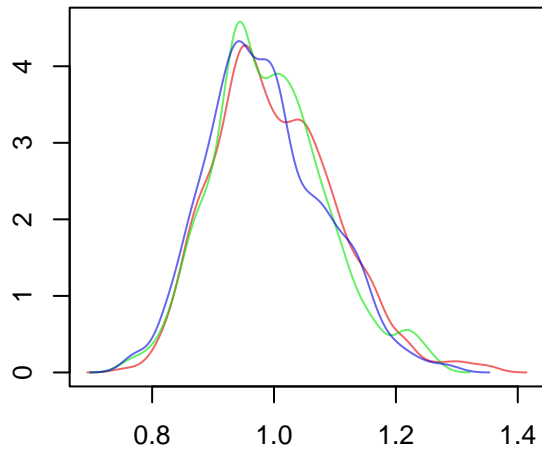
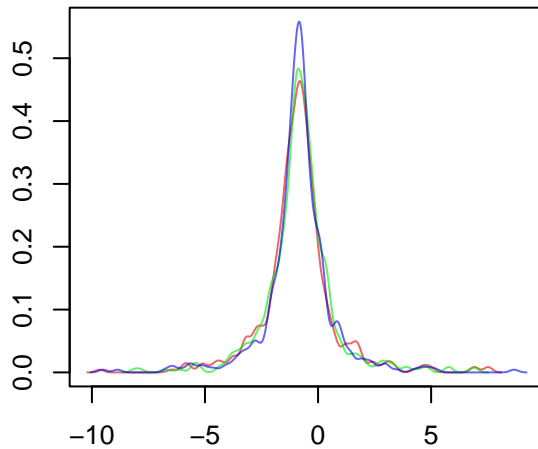


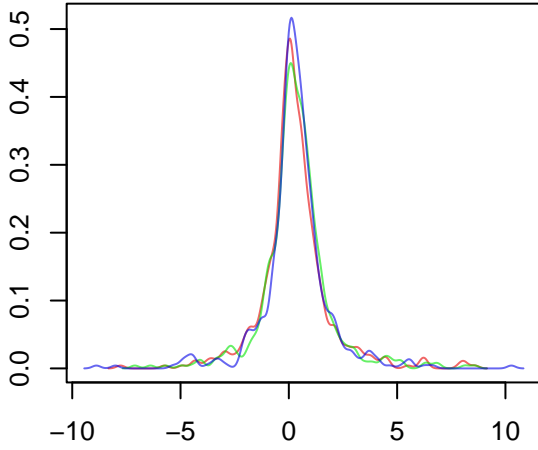
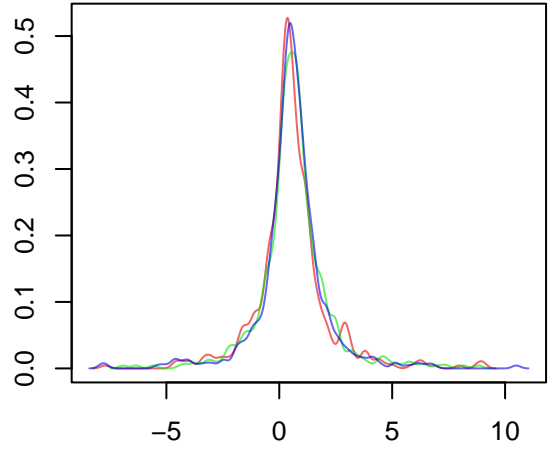
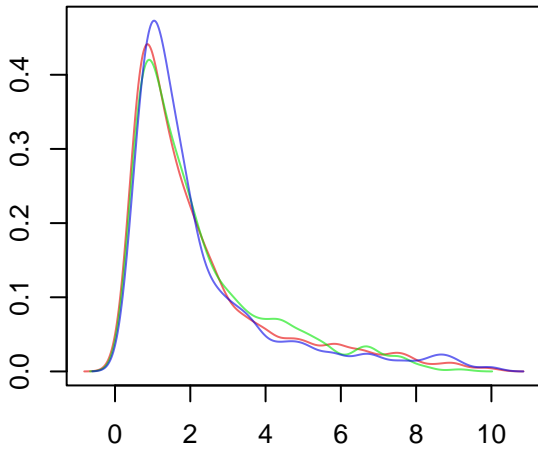
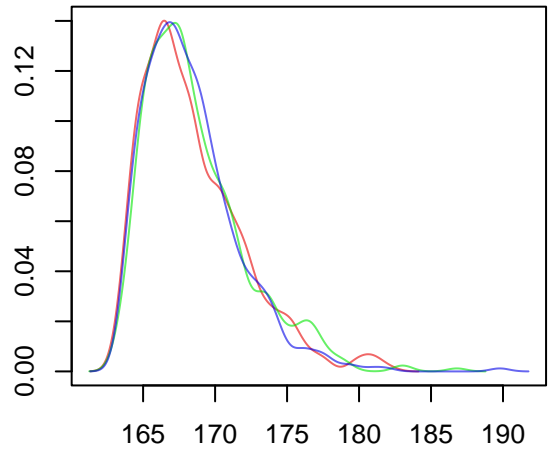
sig_a

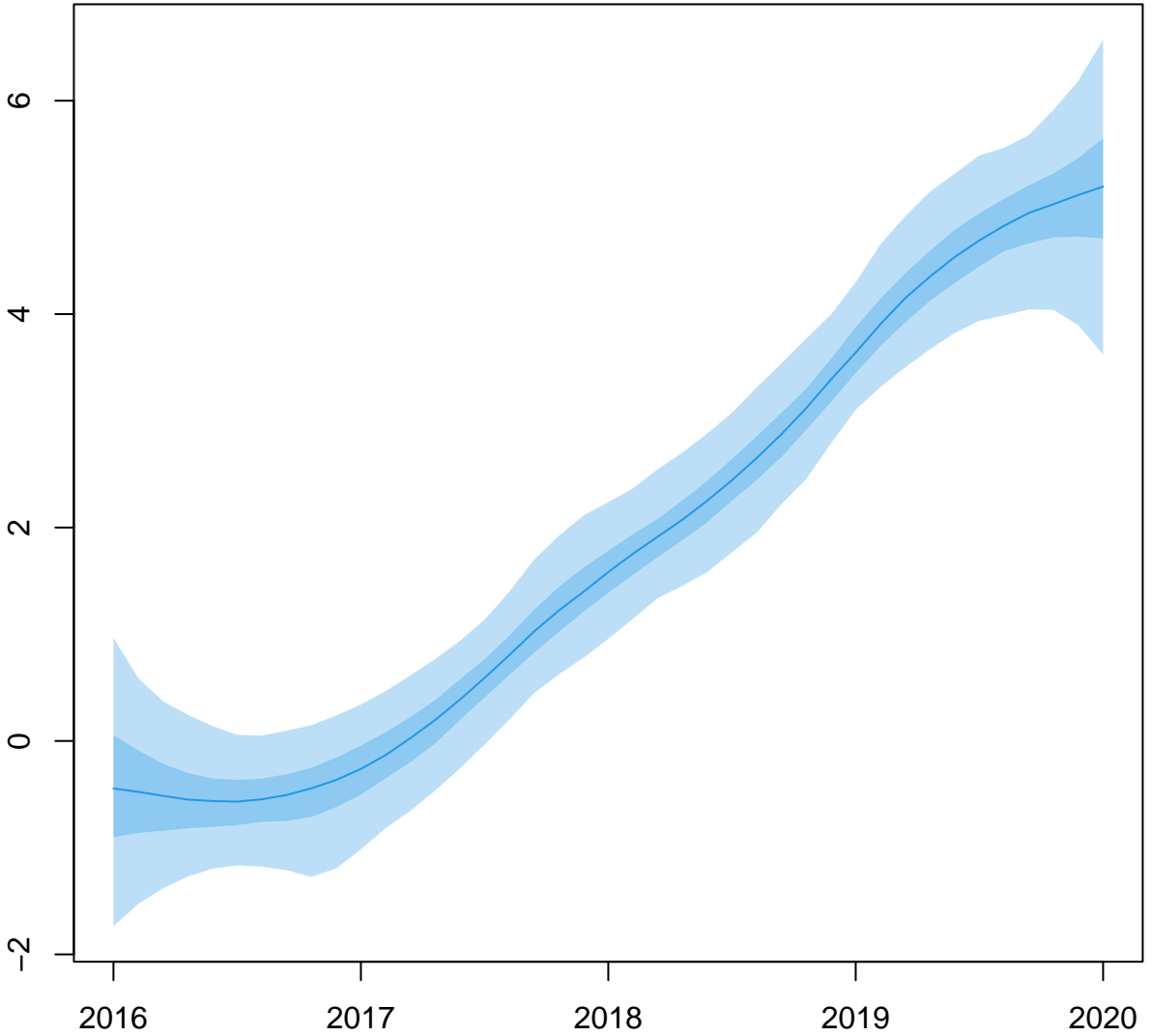


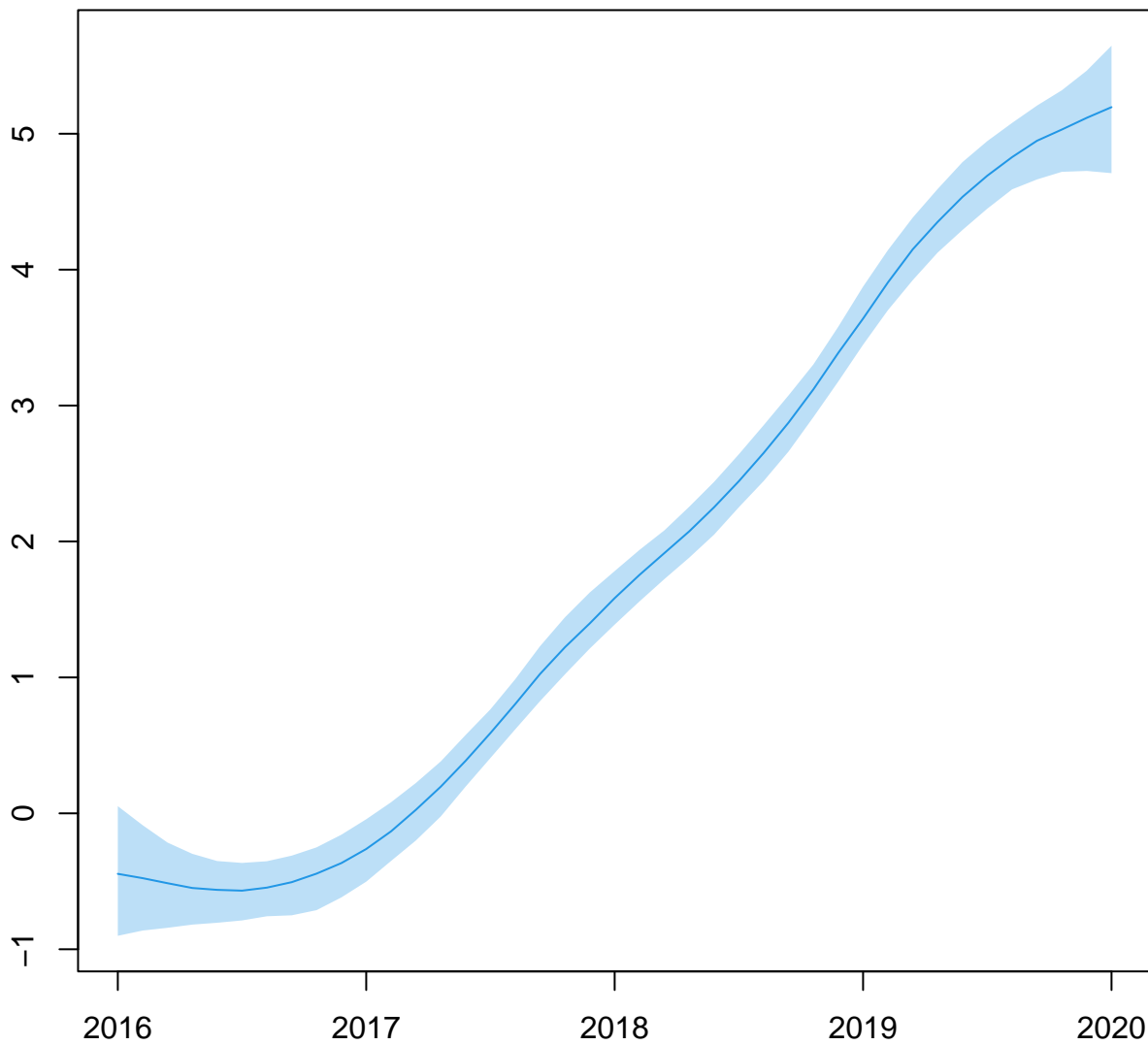
deviance

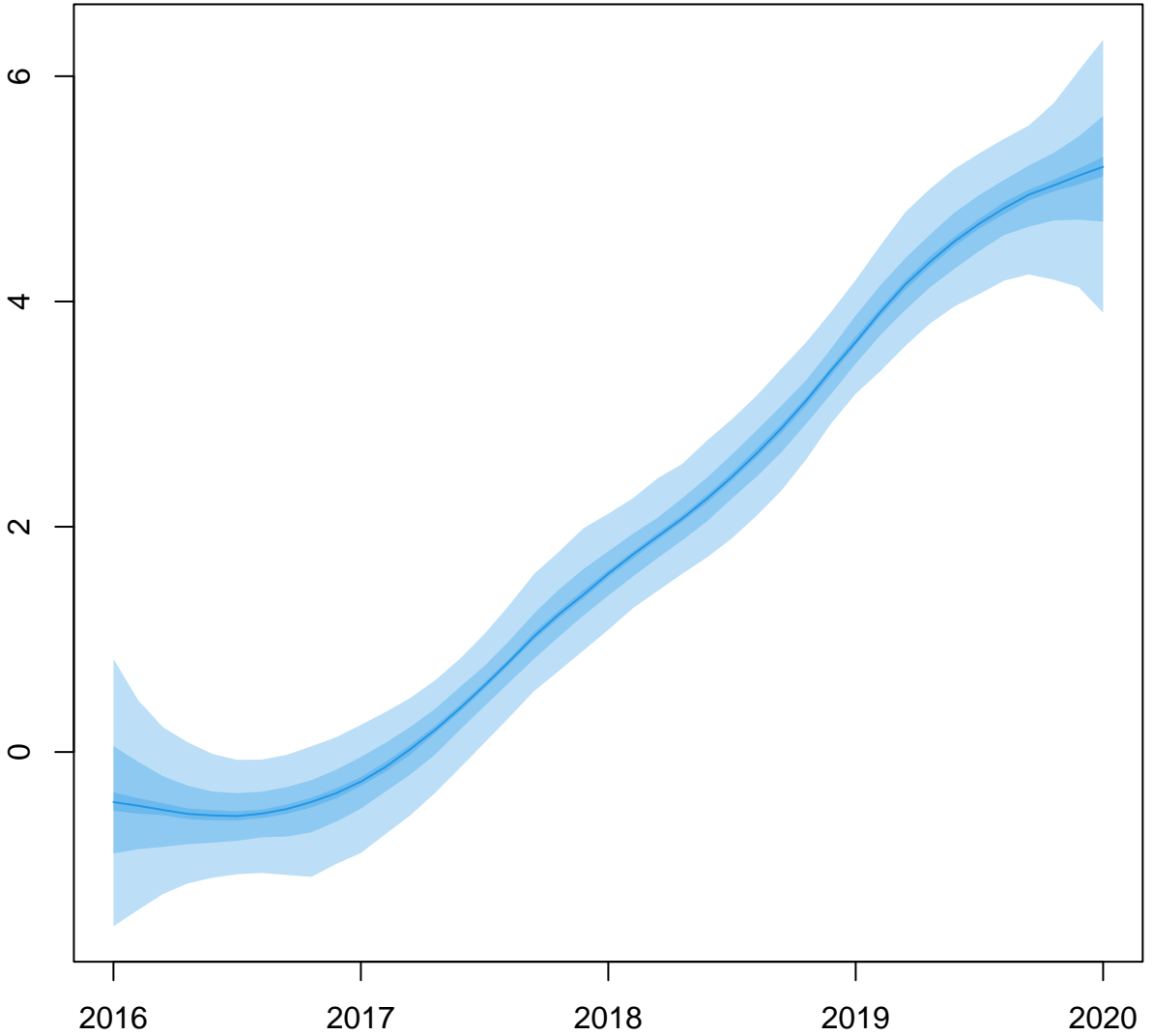


b0**b1****sig****a[1]**

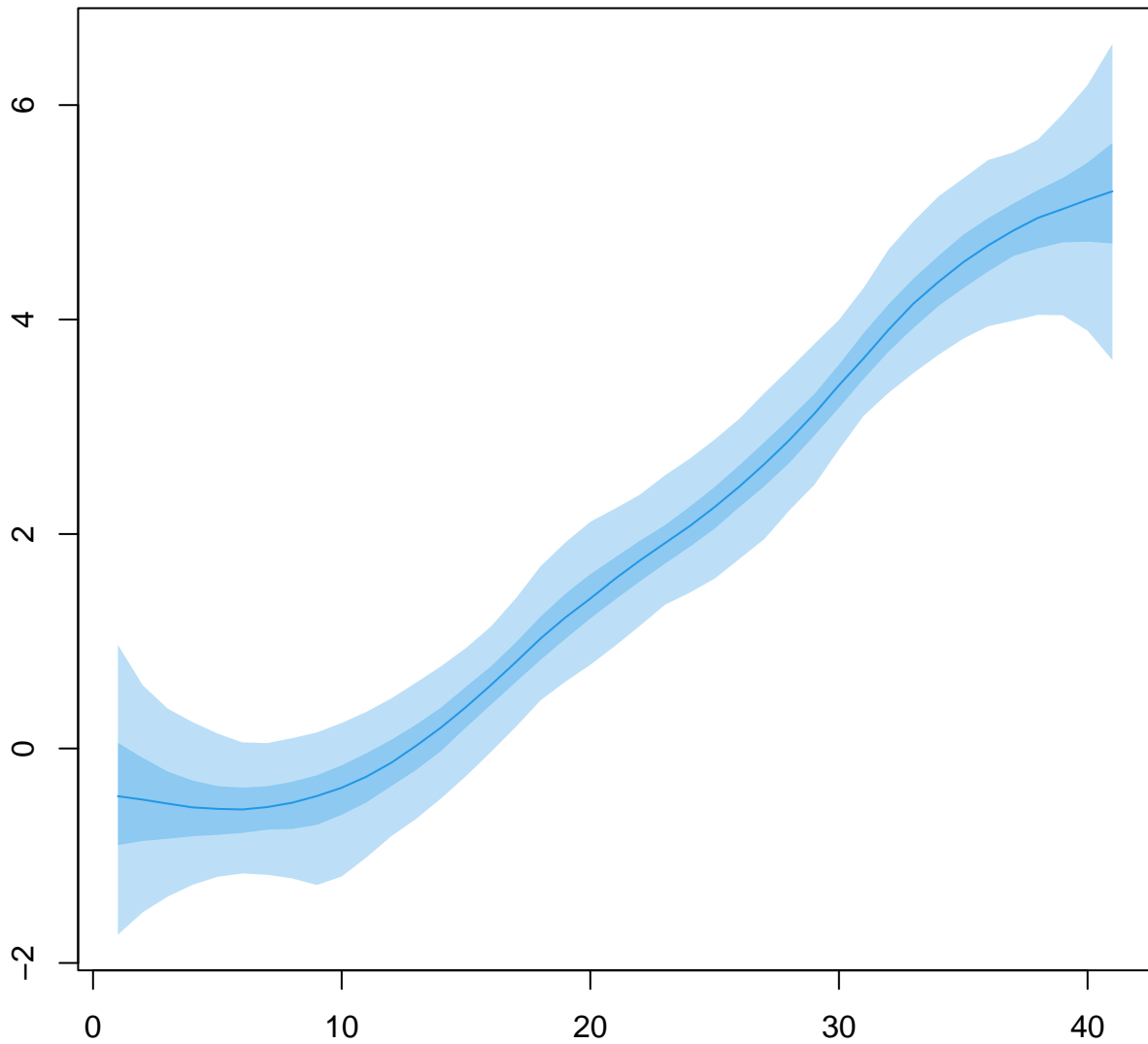
a[2]**a[3]****sig_a****deviance**



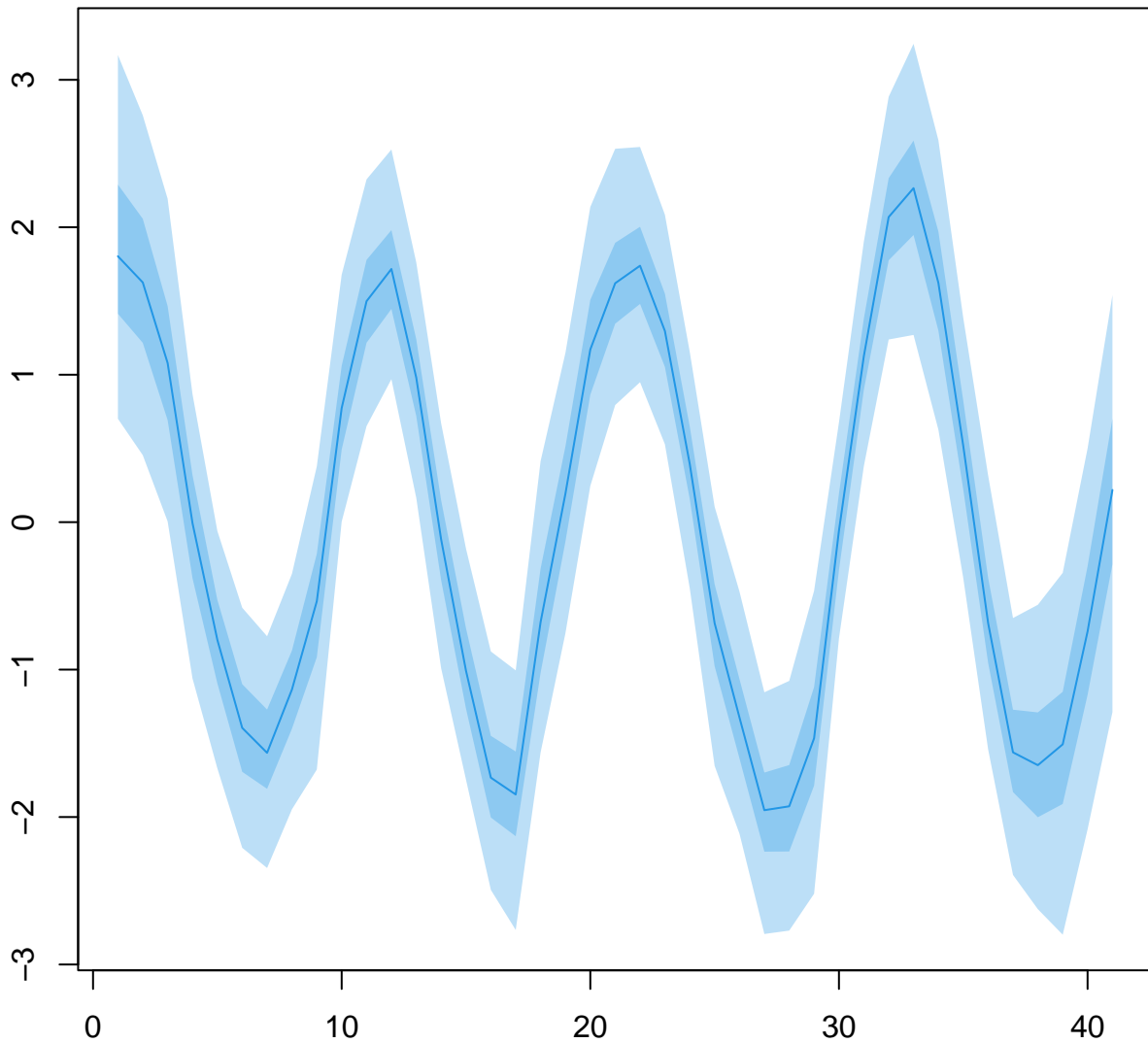




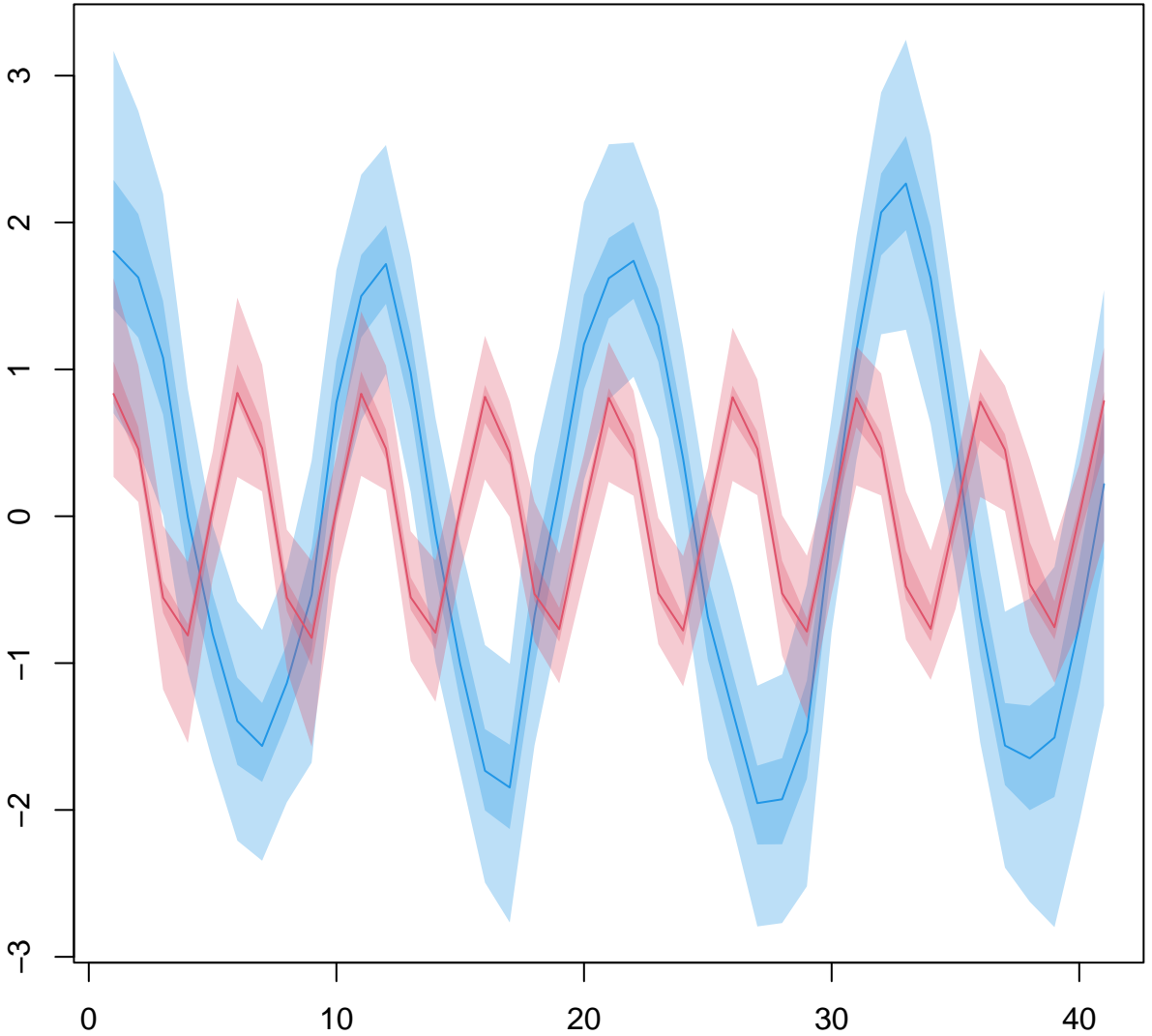
trend

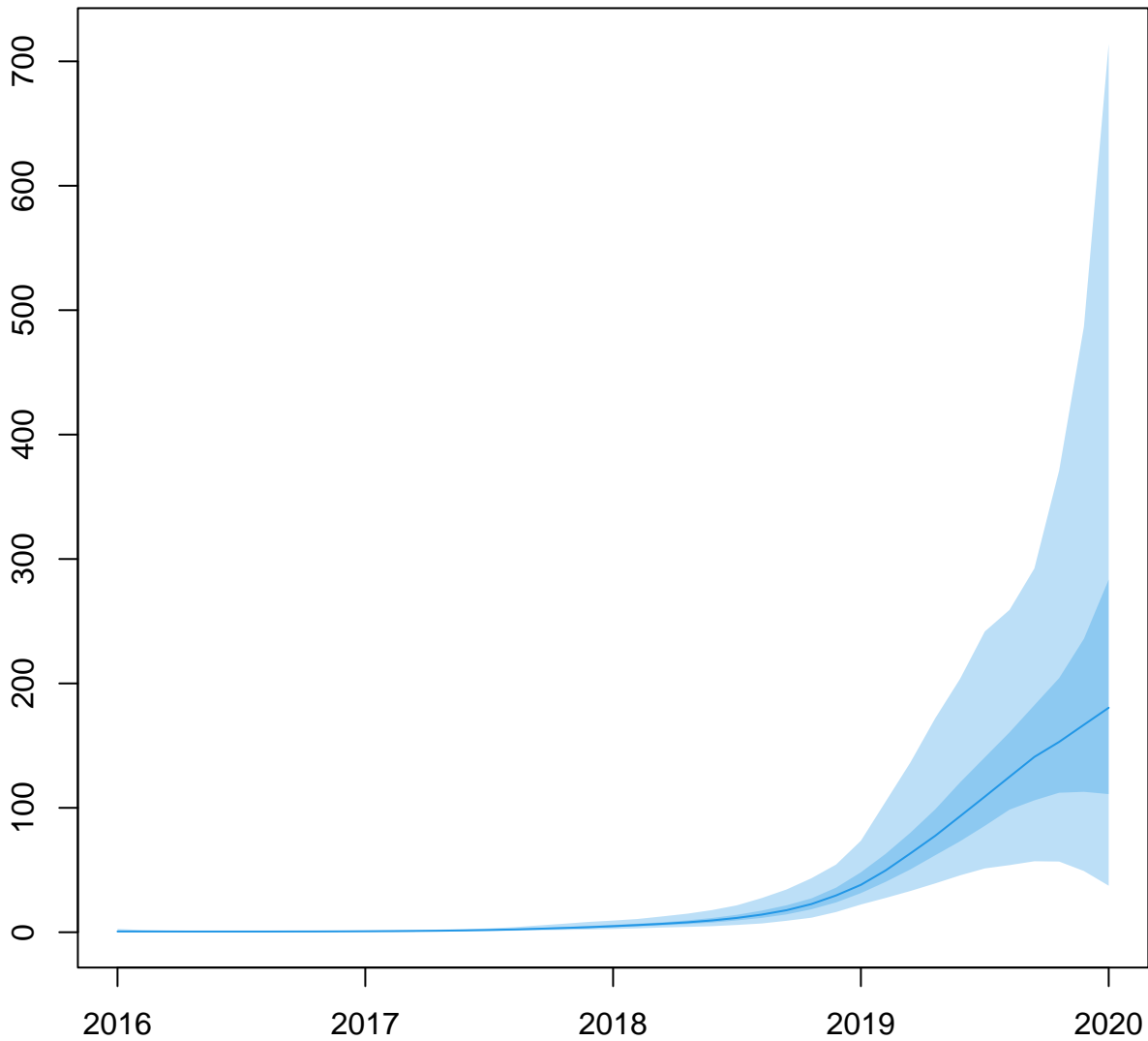


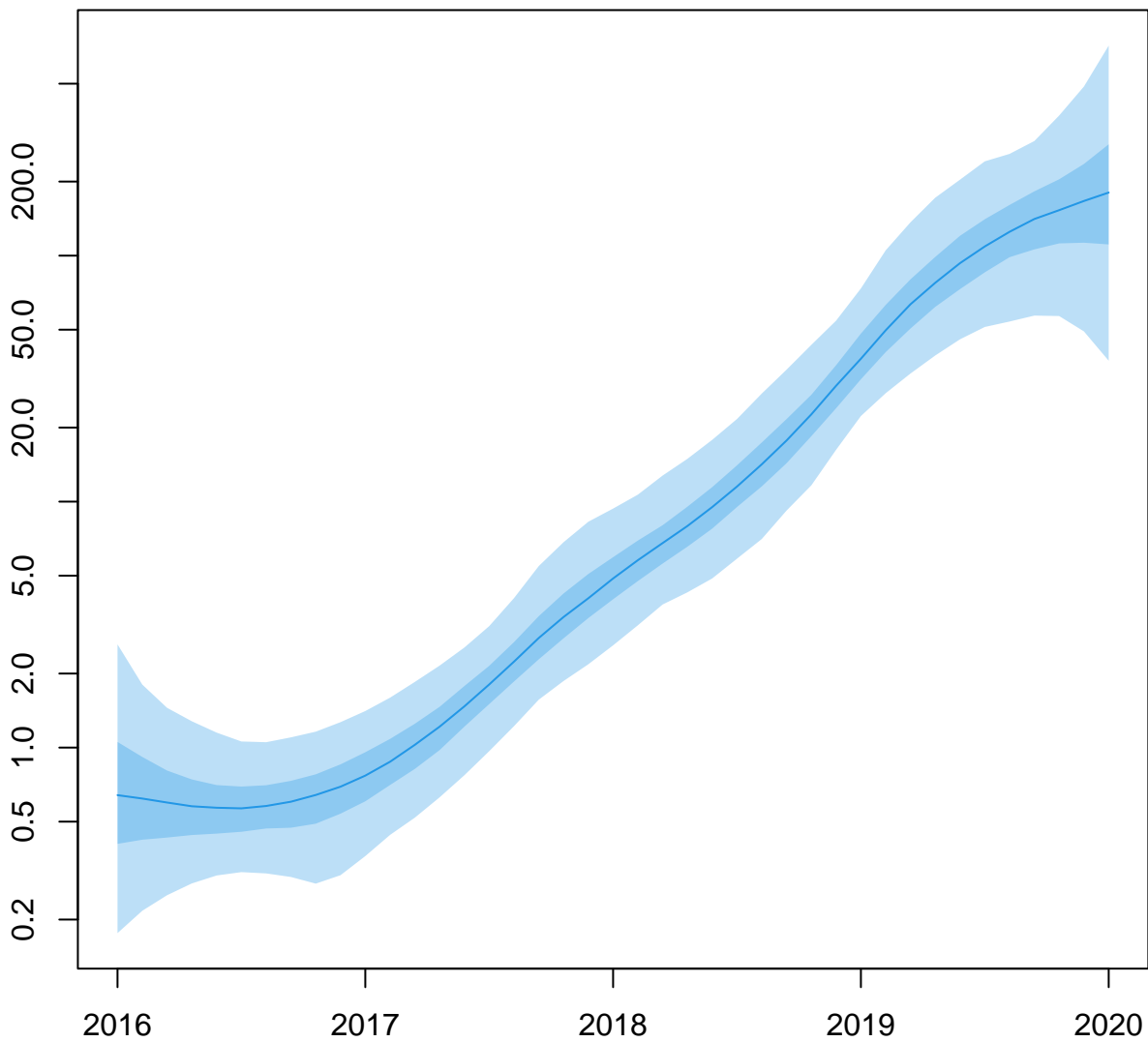
cycle_s[,1]



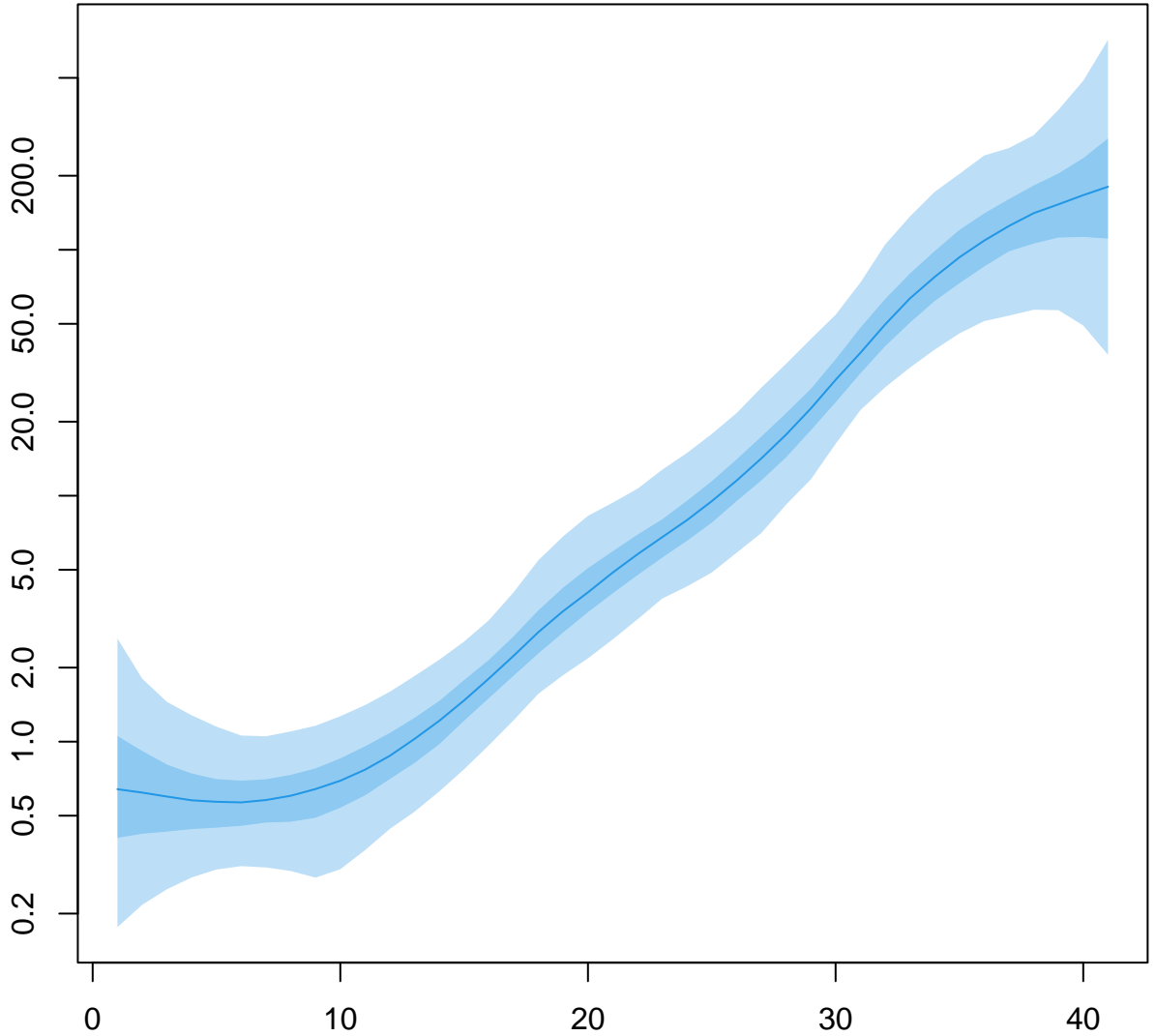
cycle_s



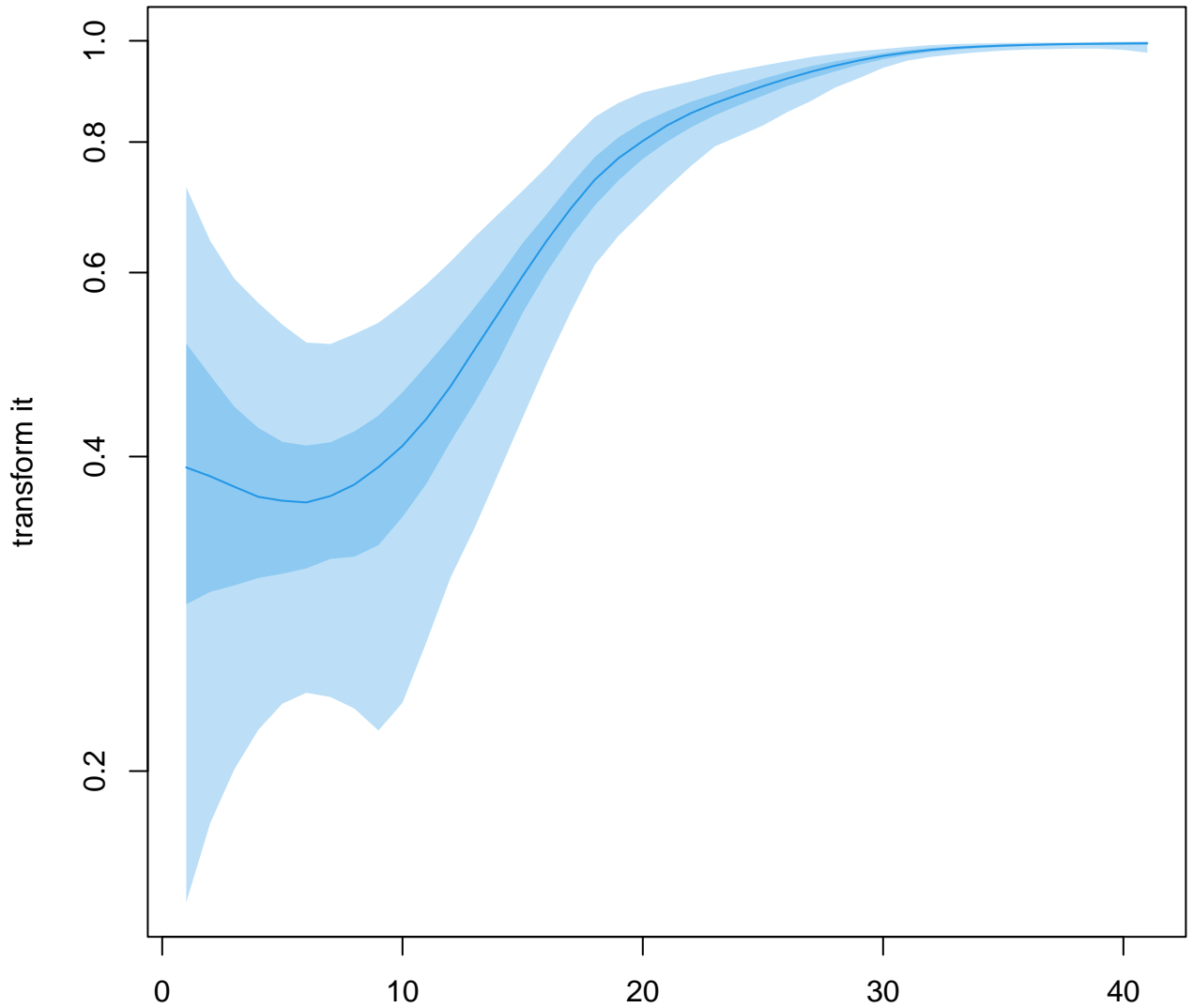


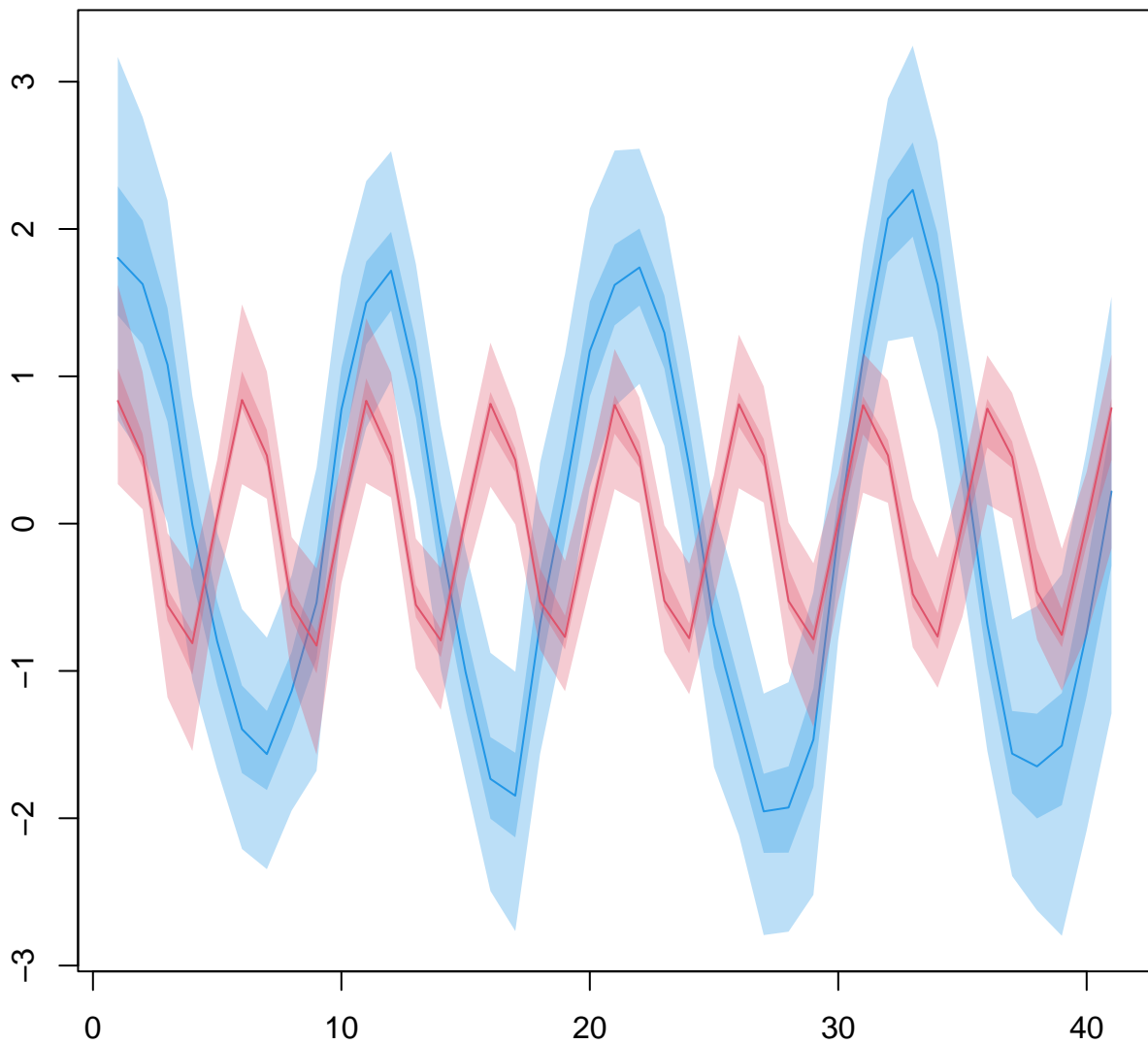


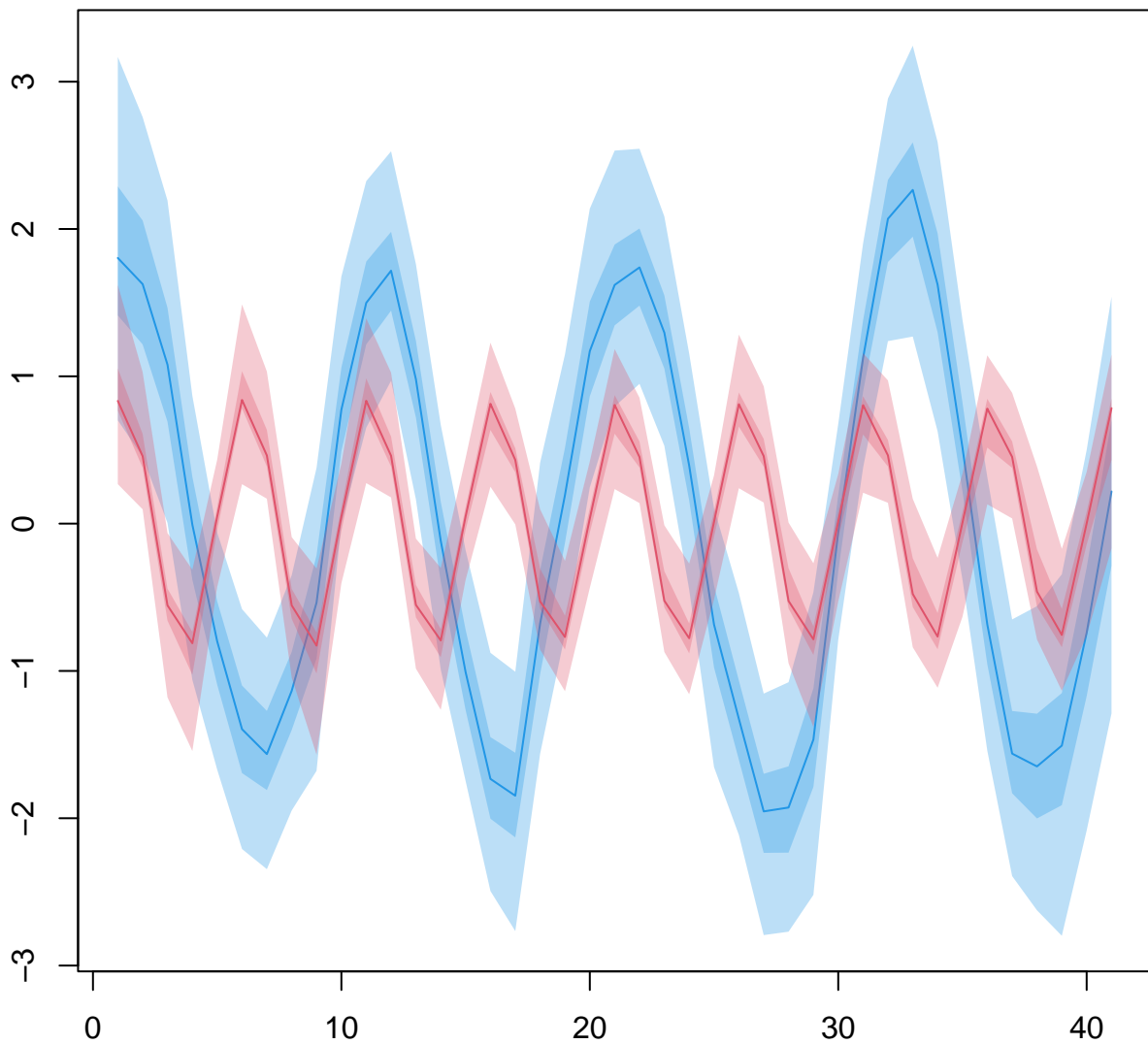
trend



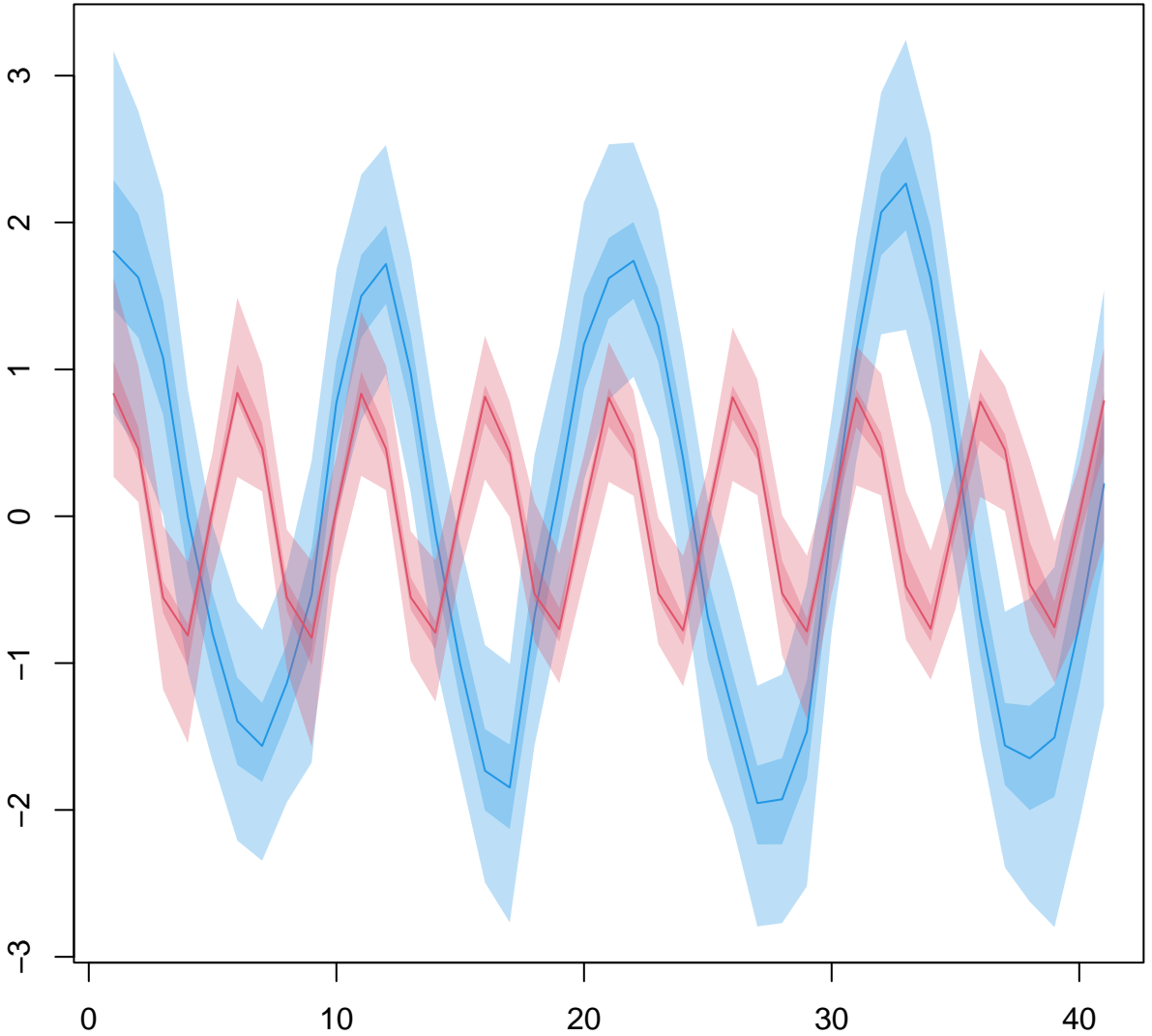
trend

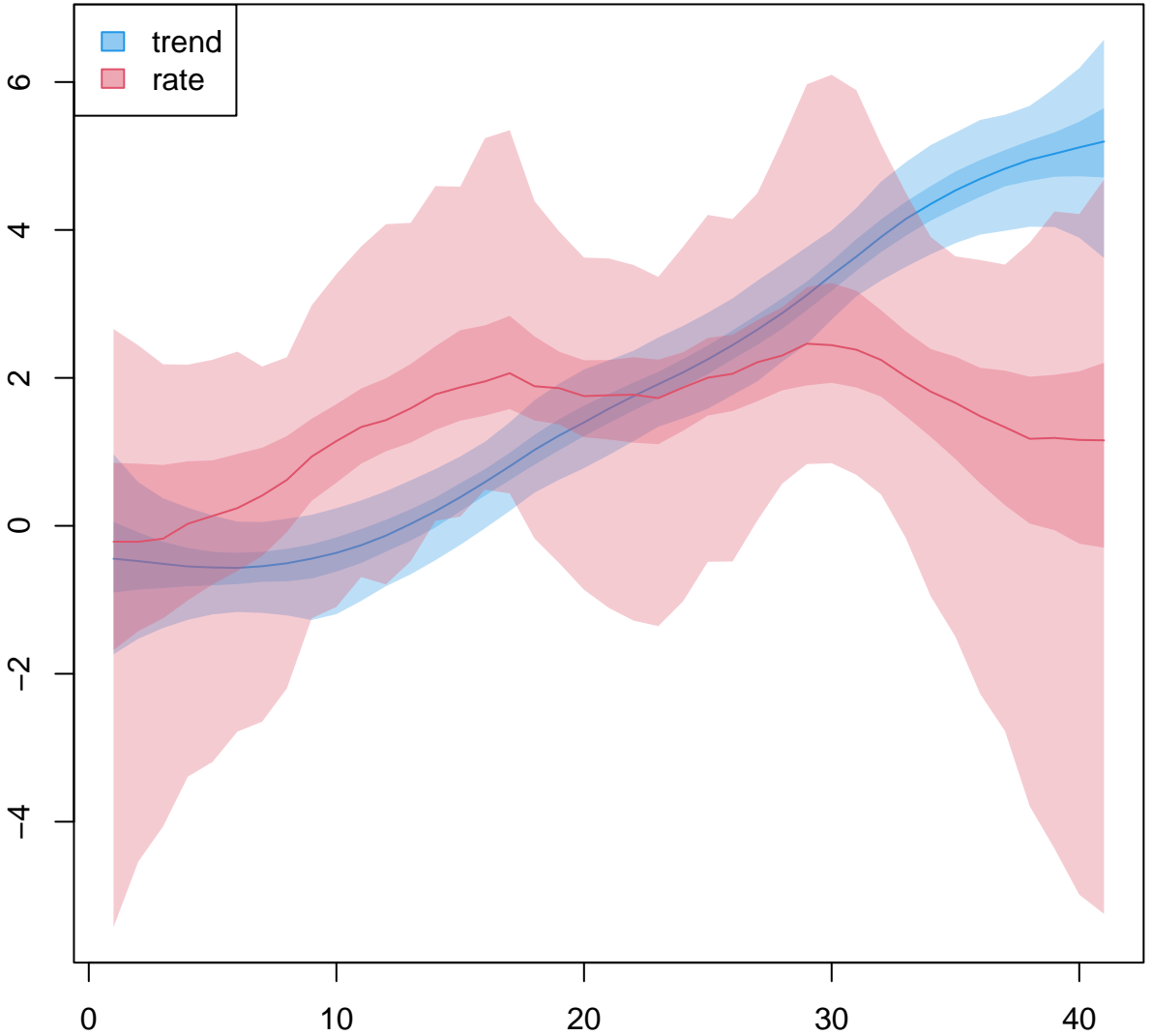


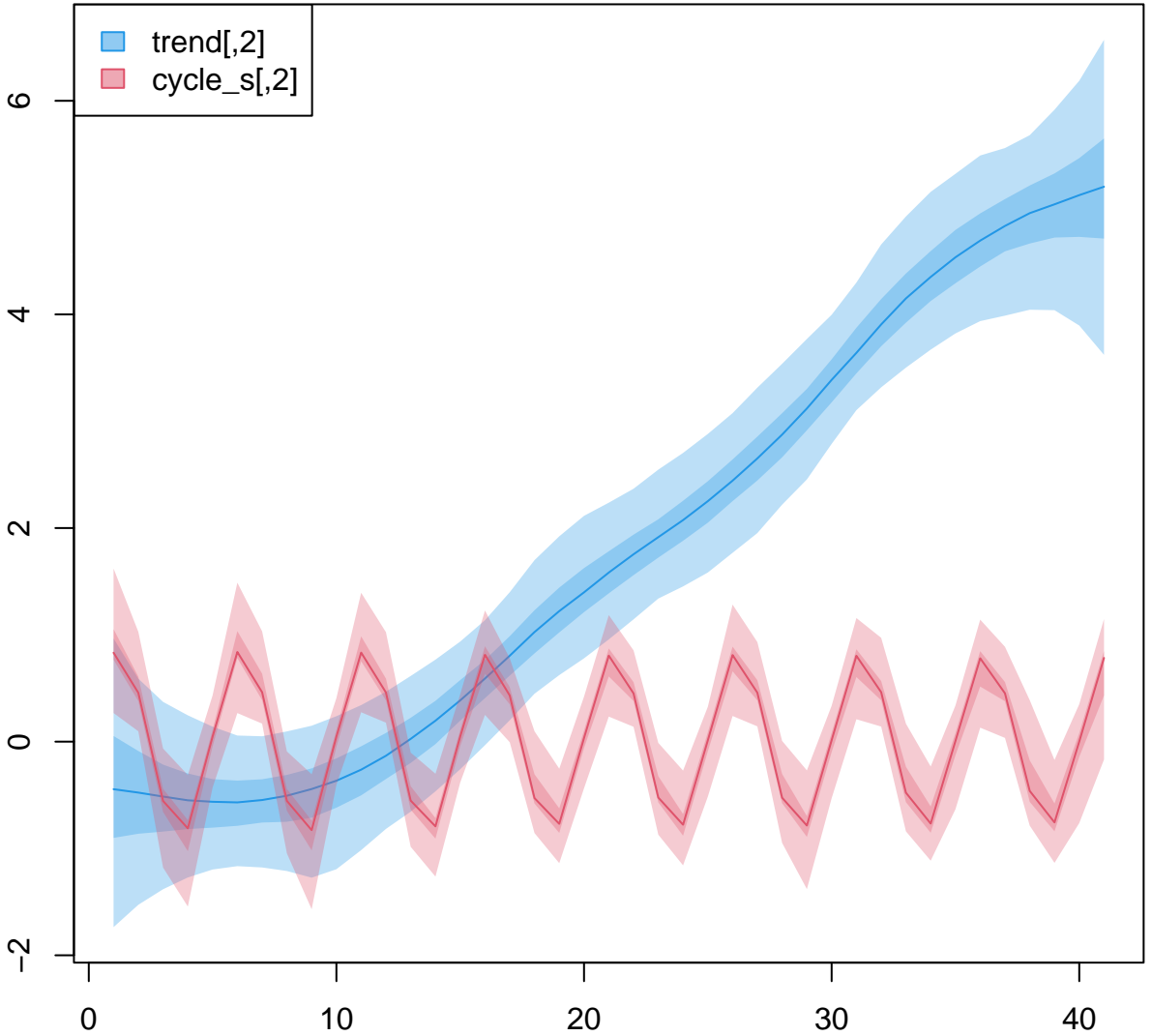


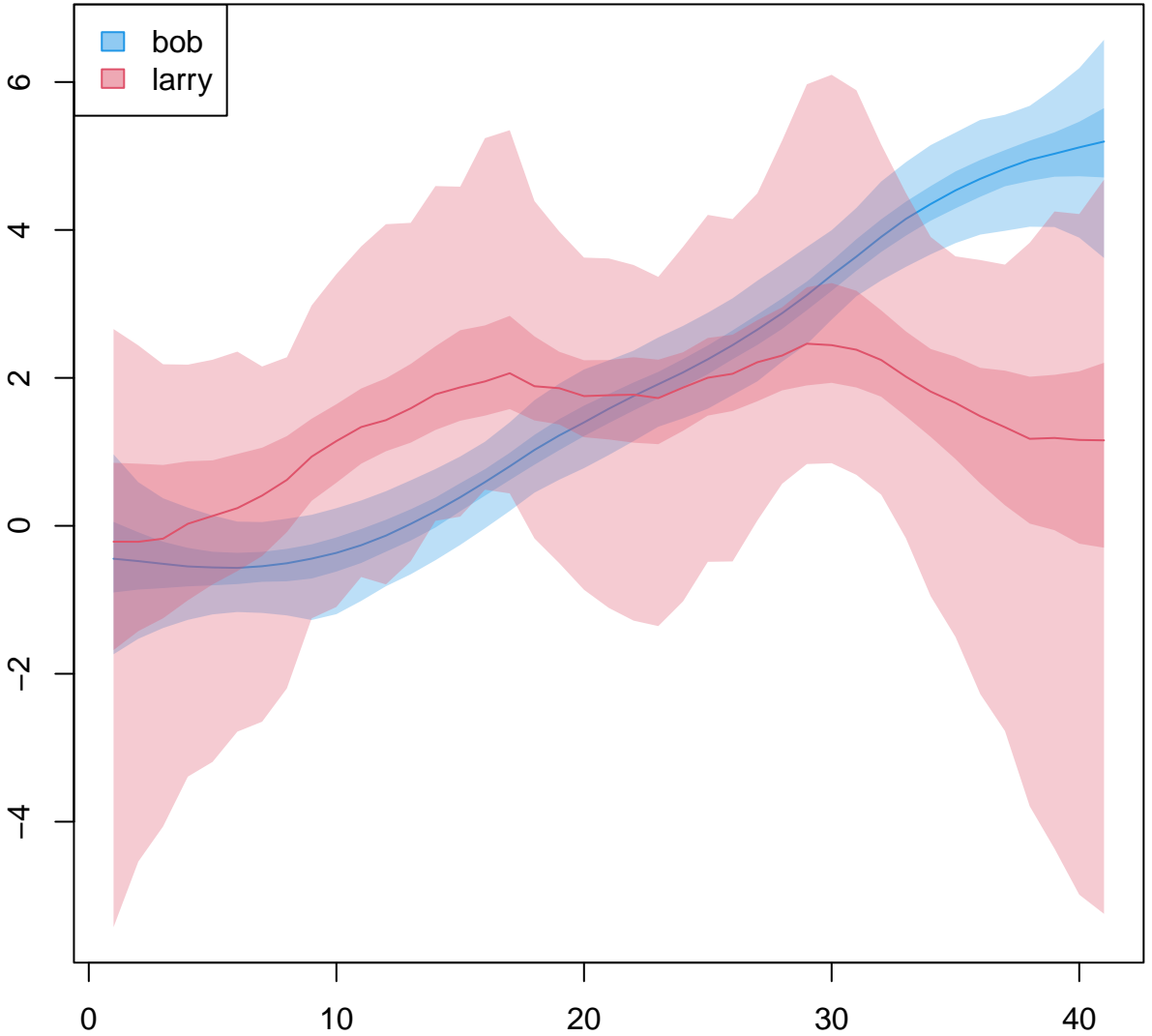


cycle_s

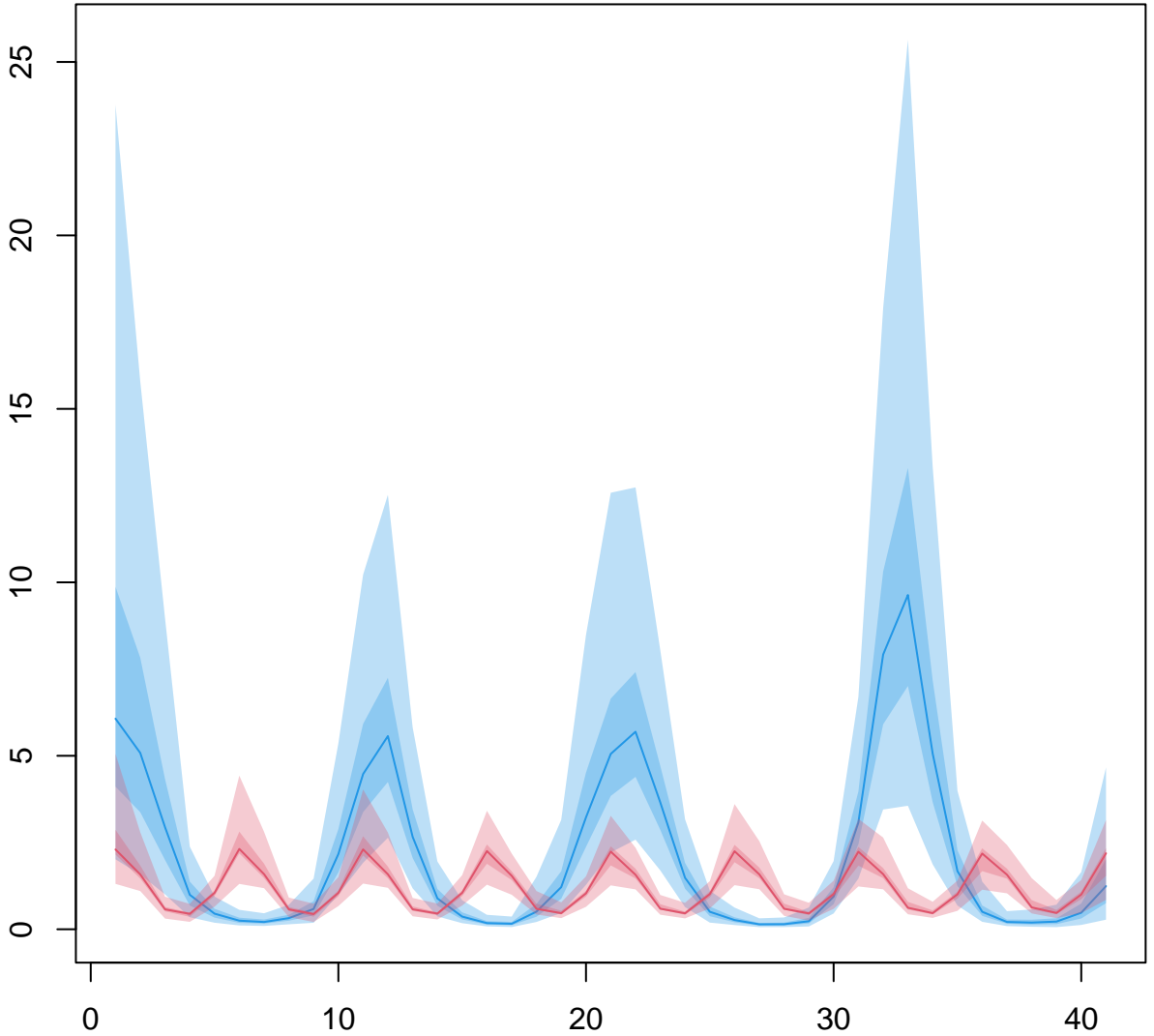




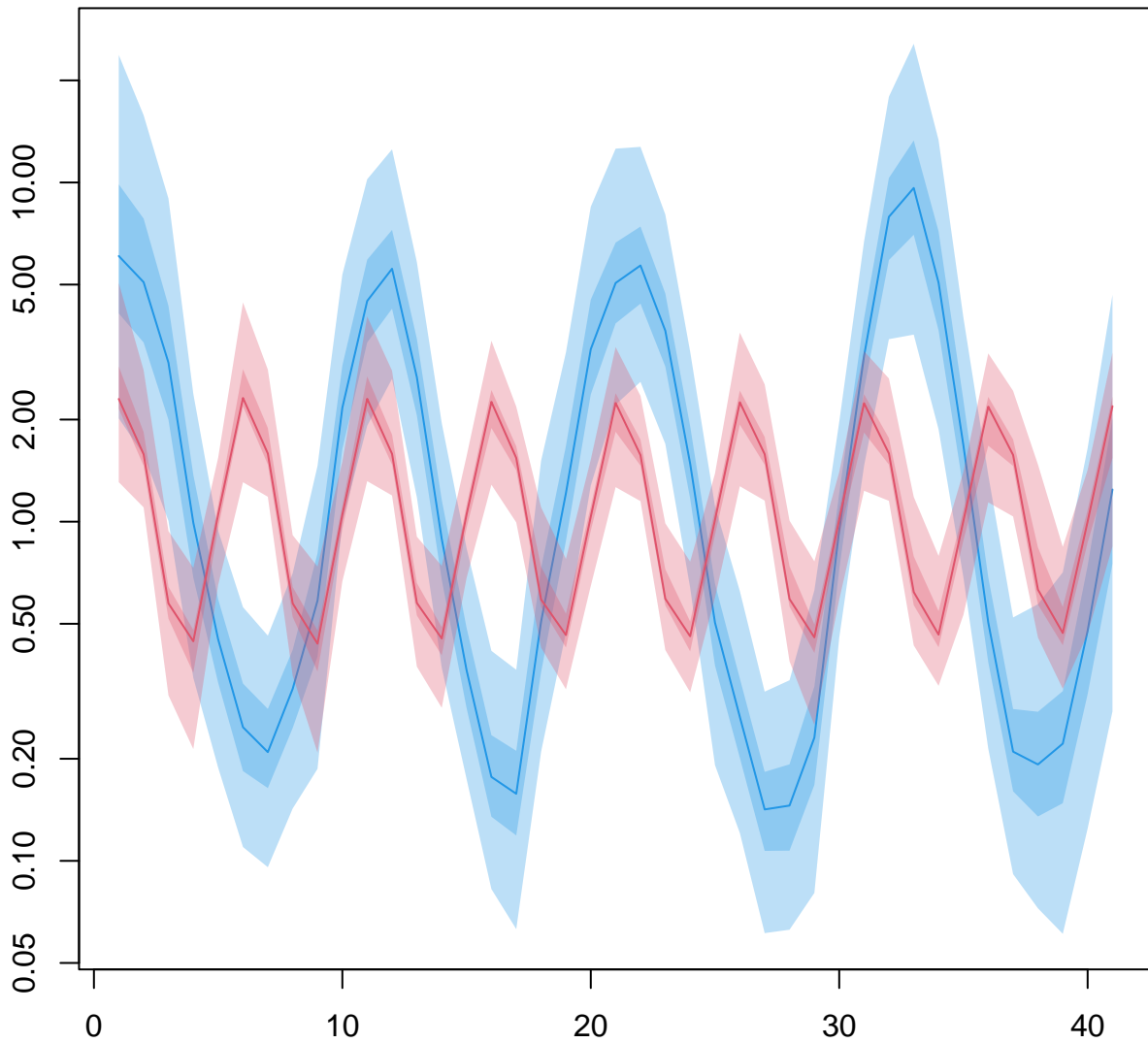


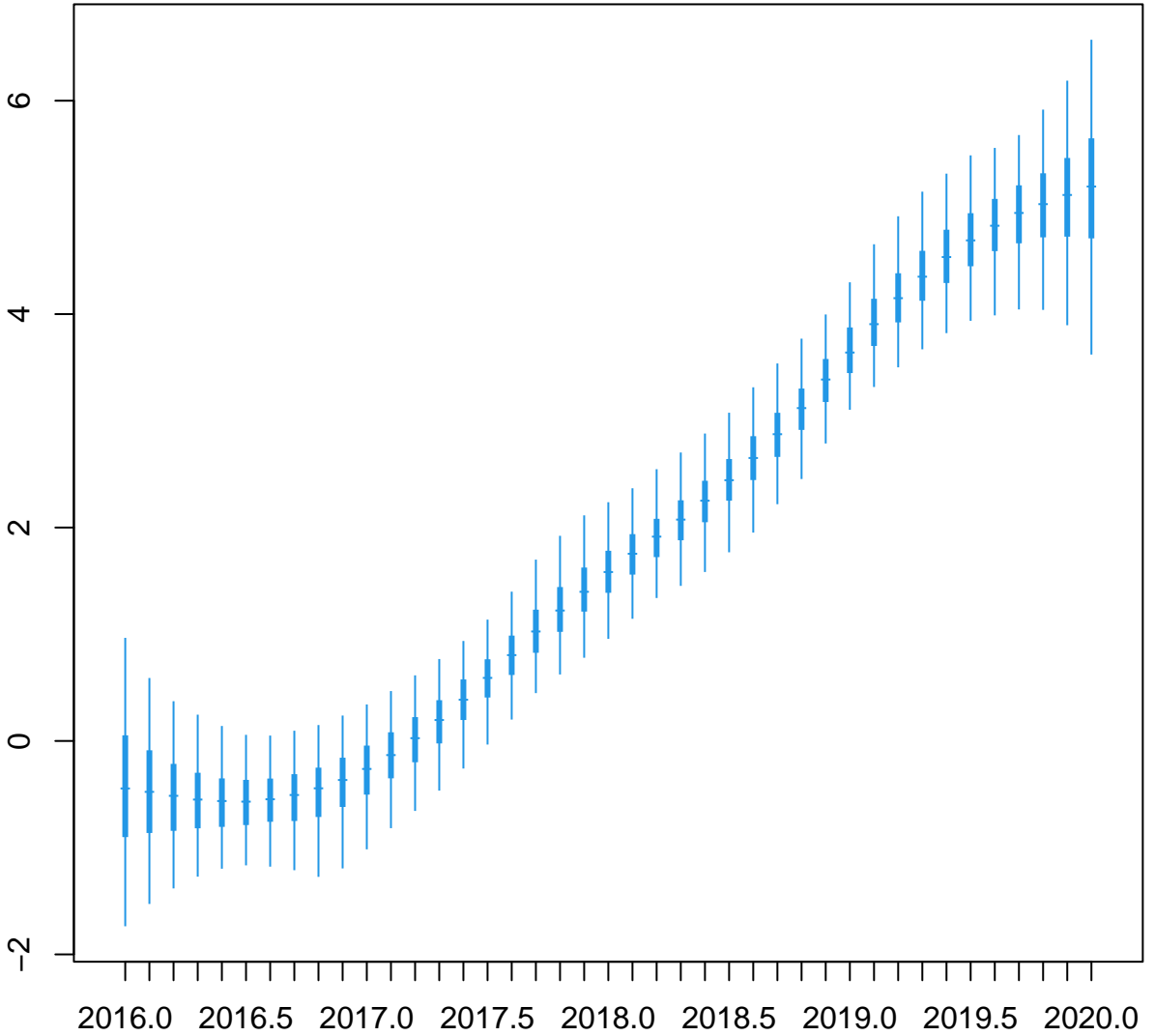


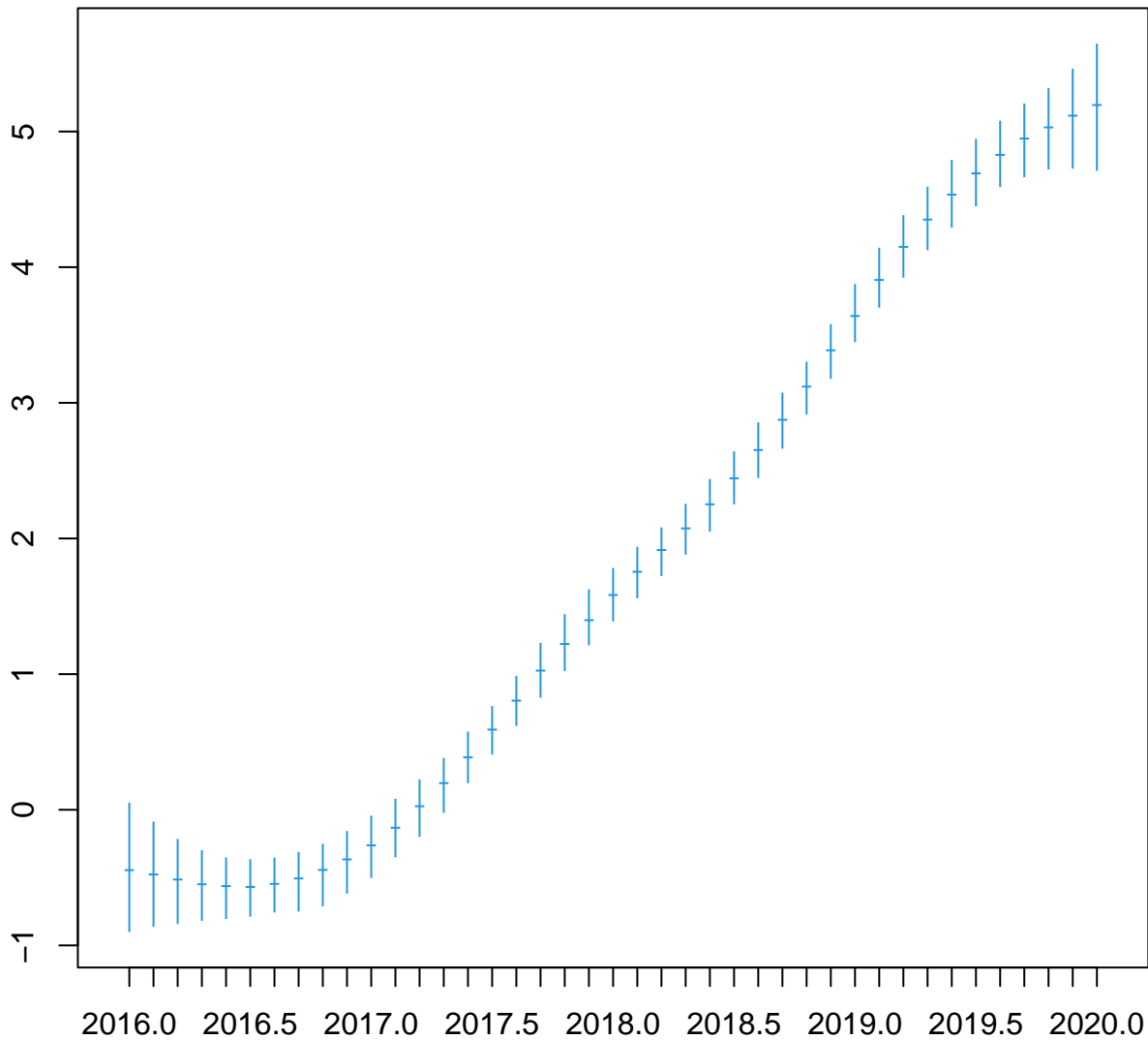
cycle_s

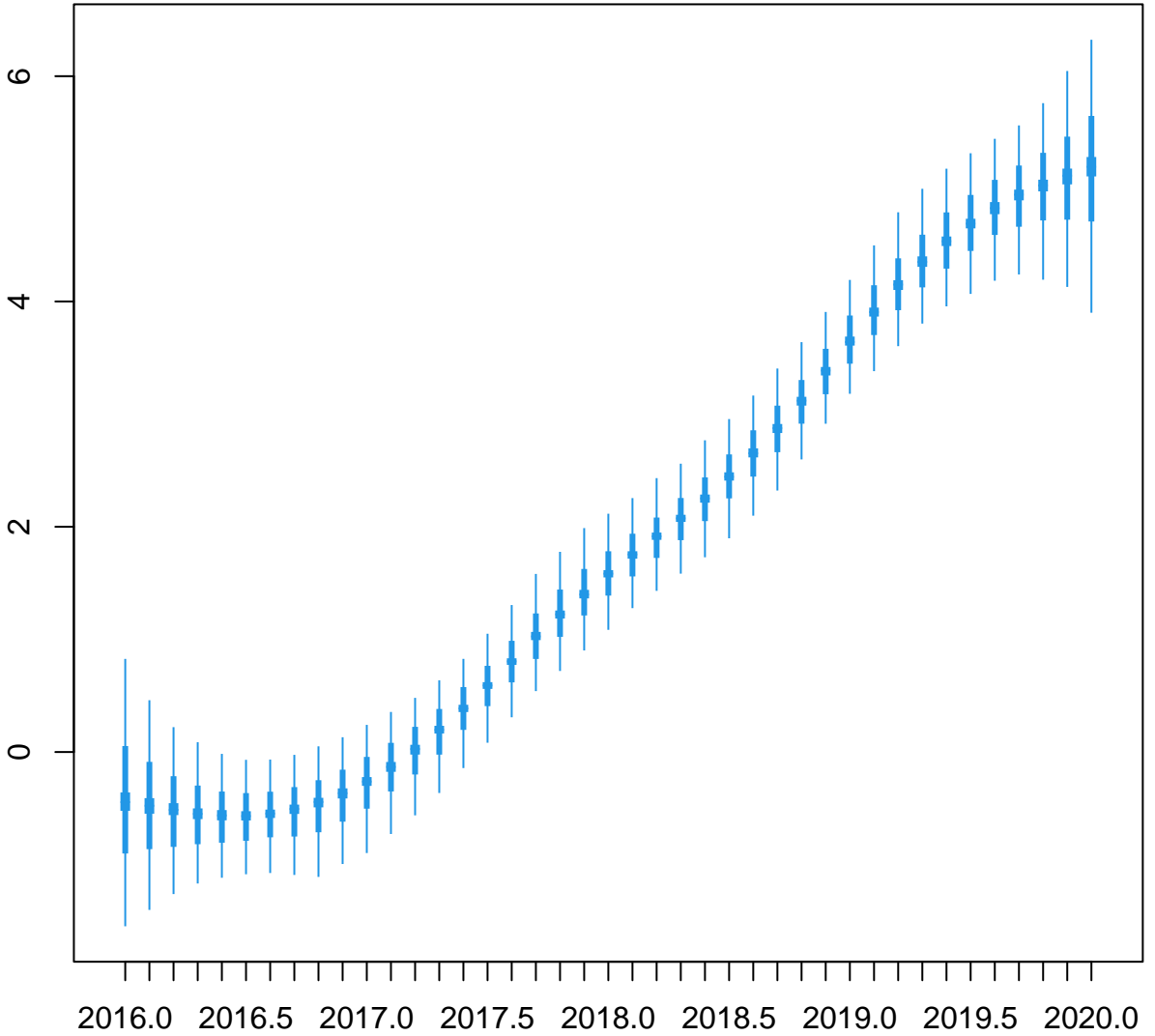


cycle_s

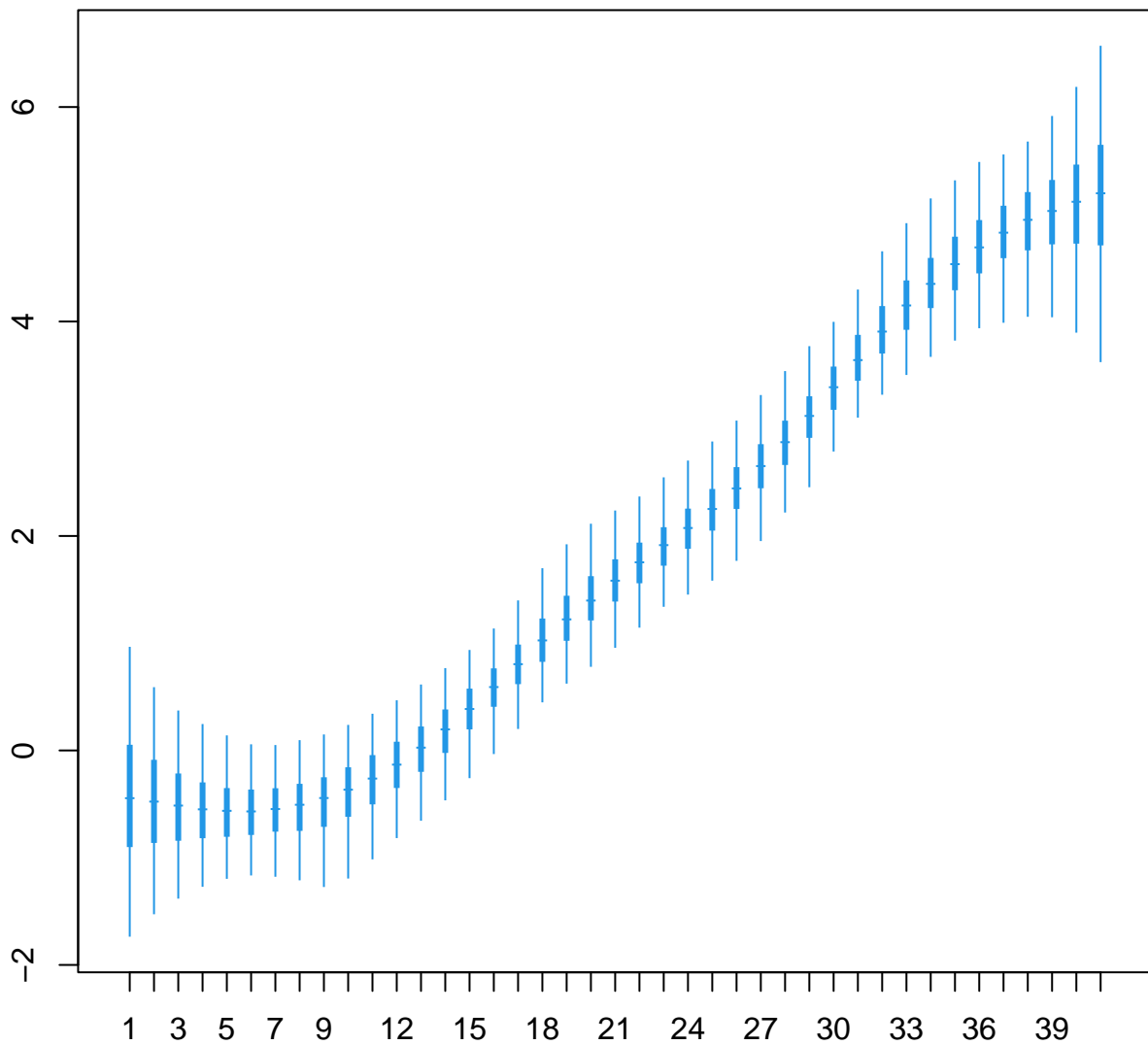




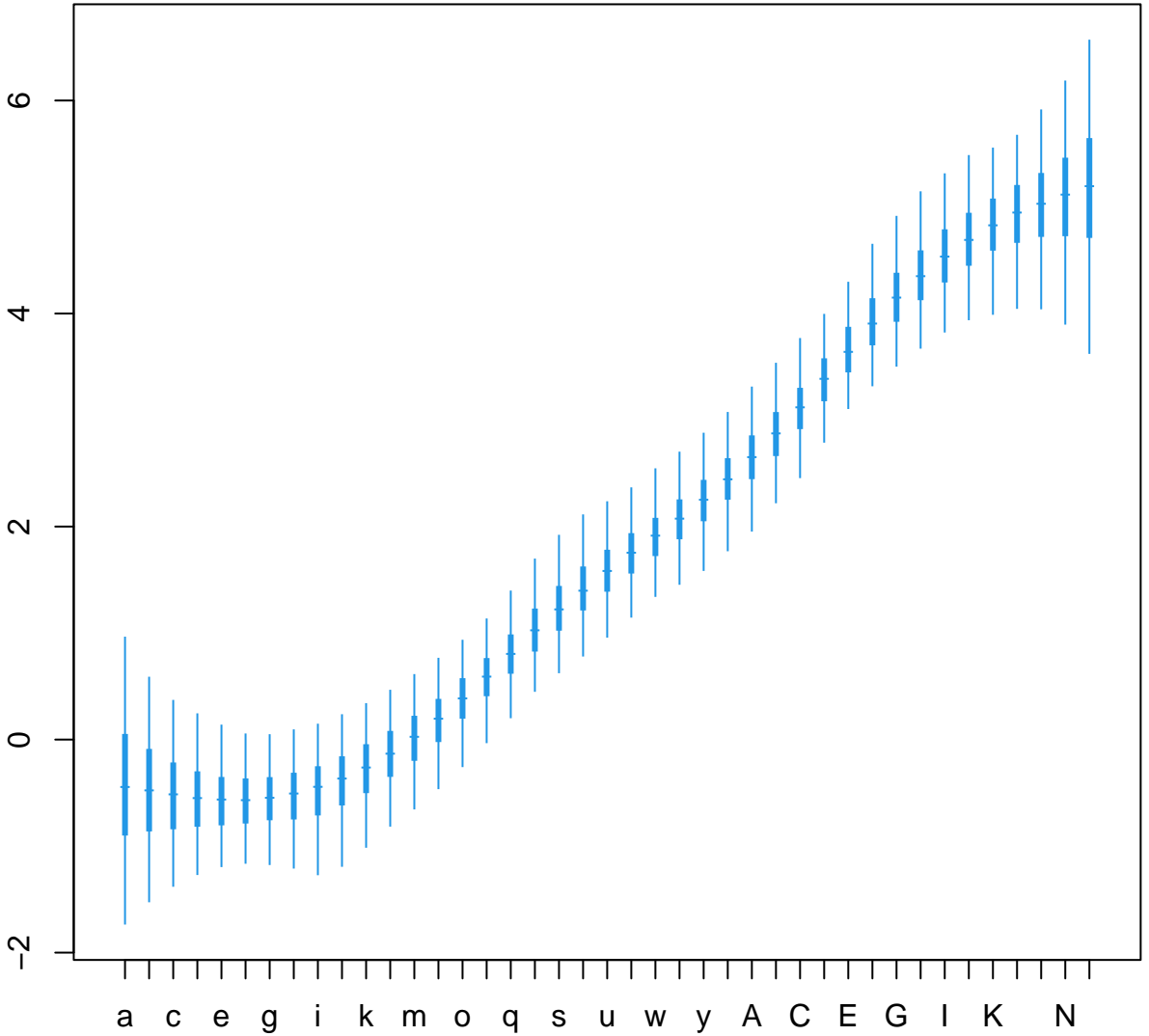




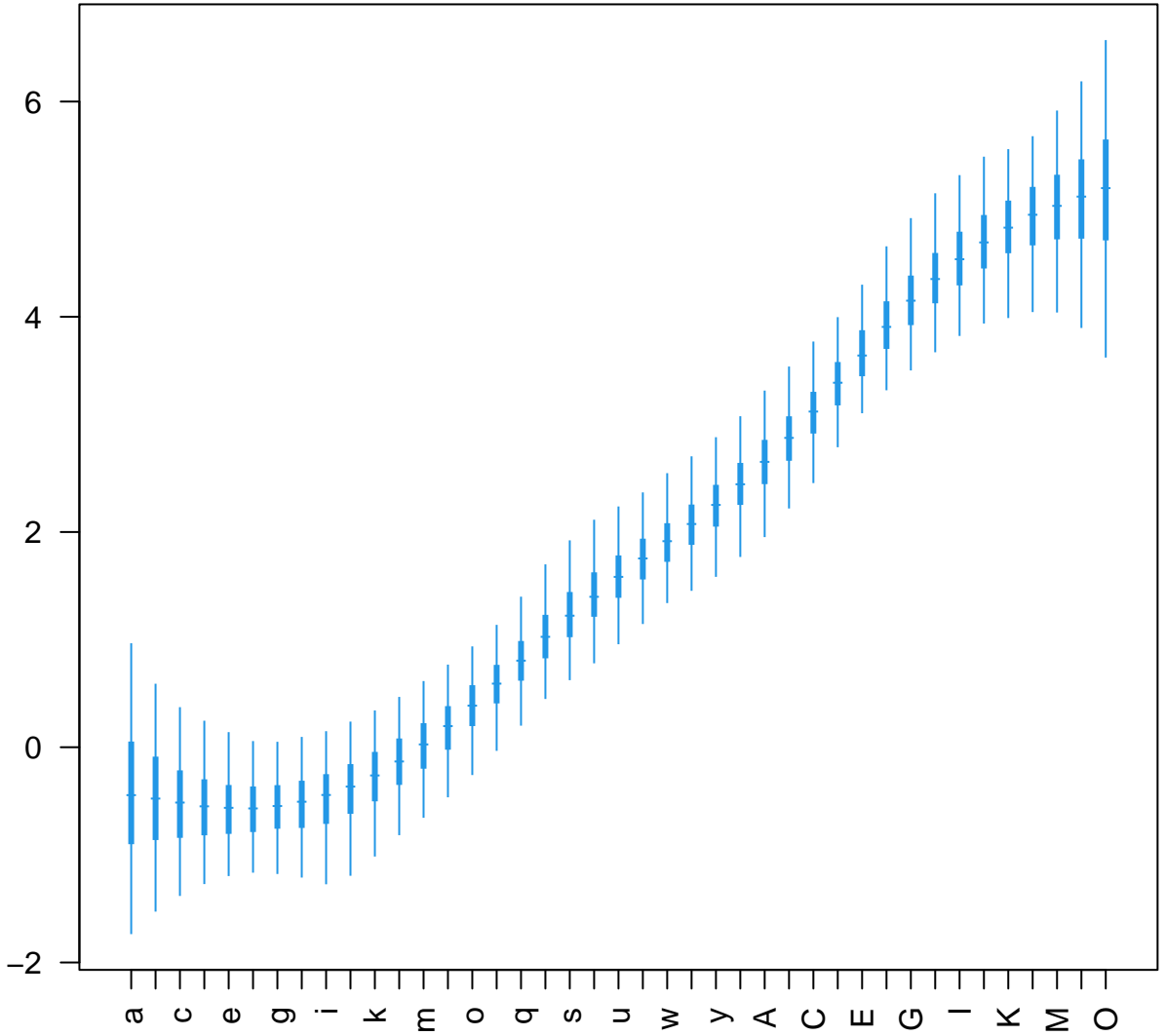
trend



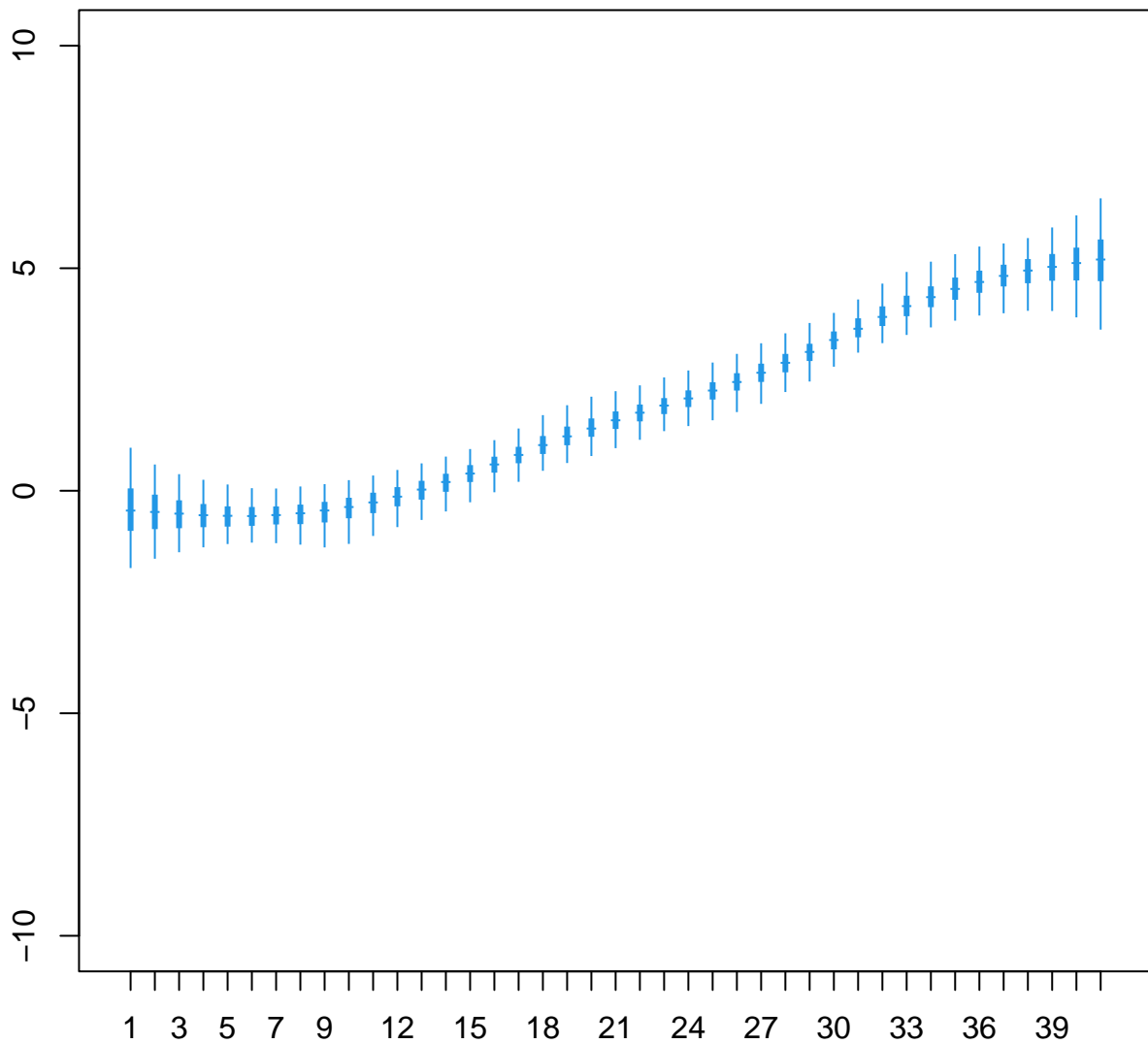
trend



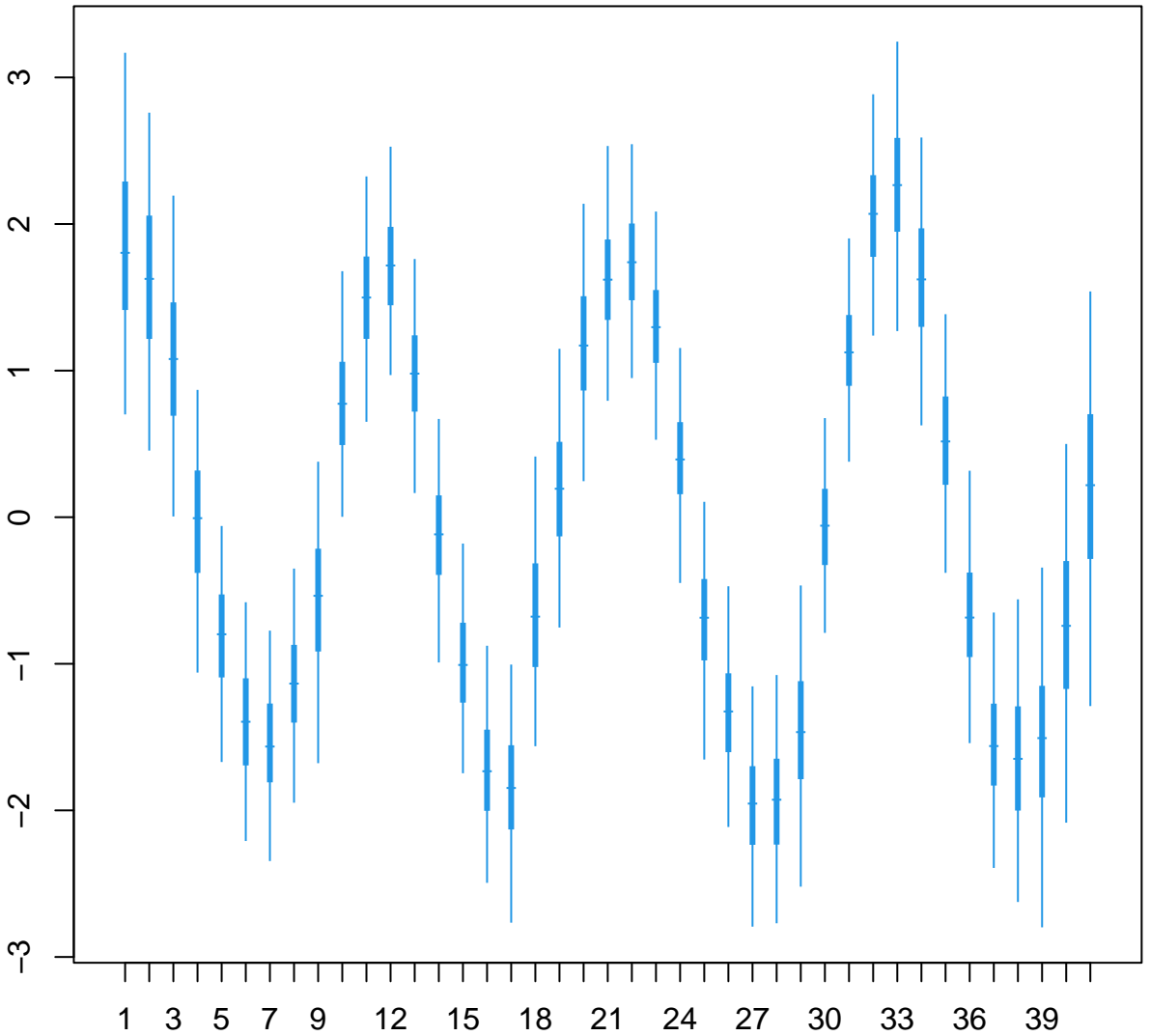
trend



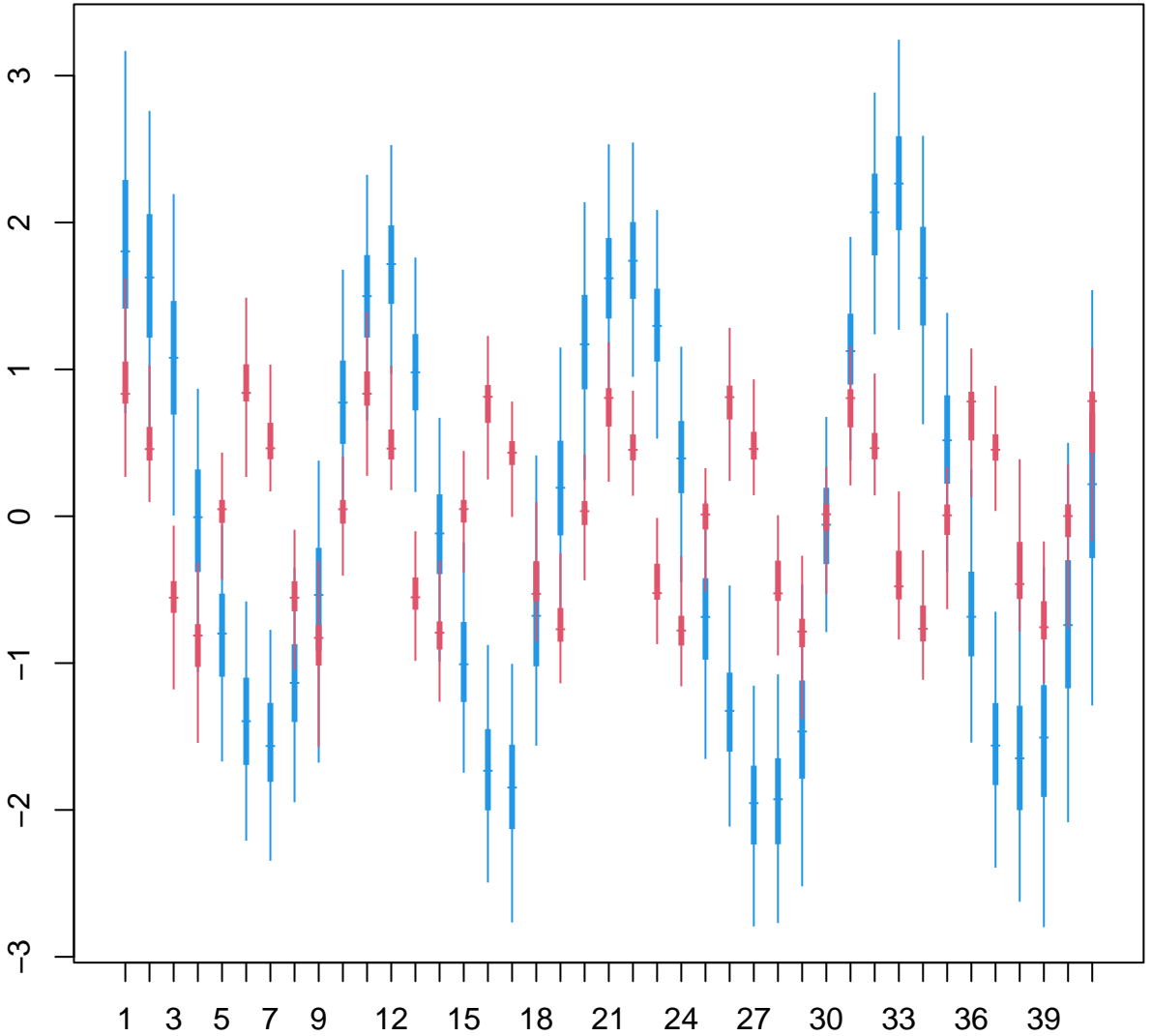
trend

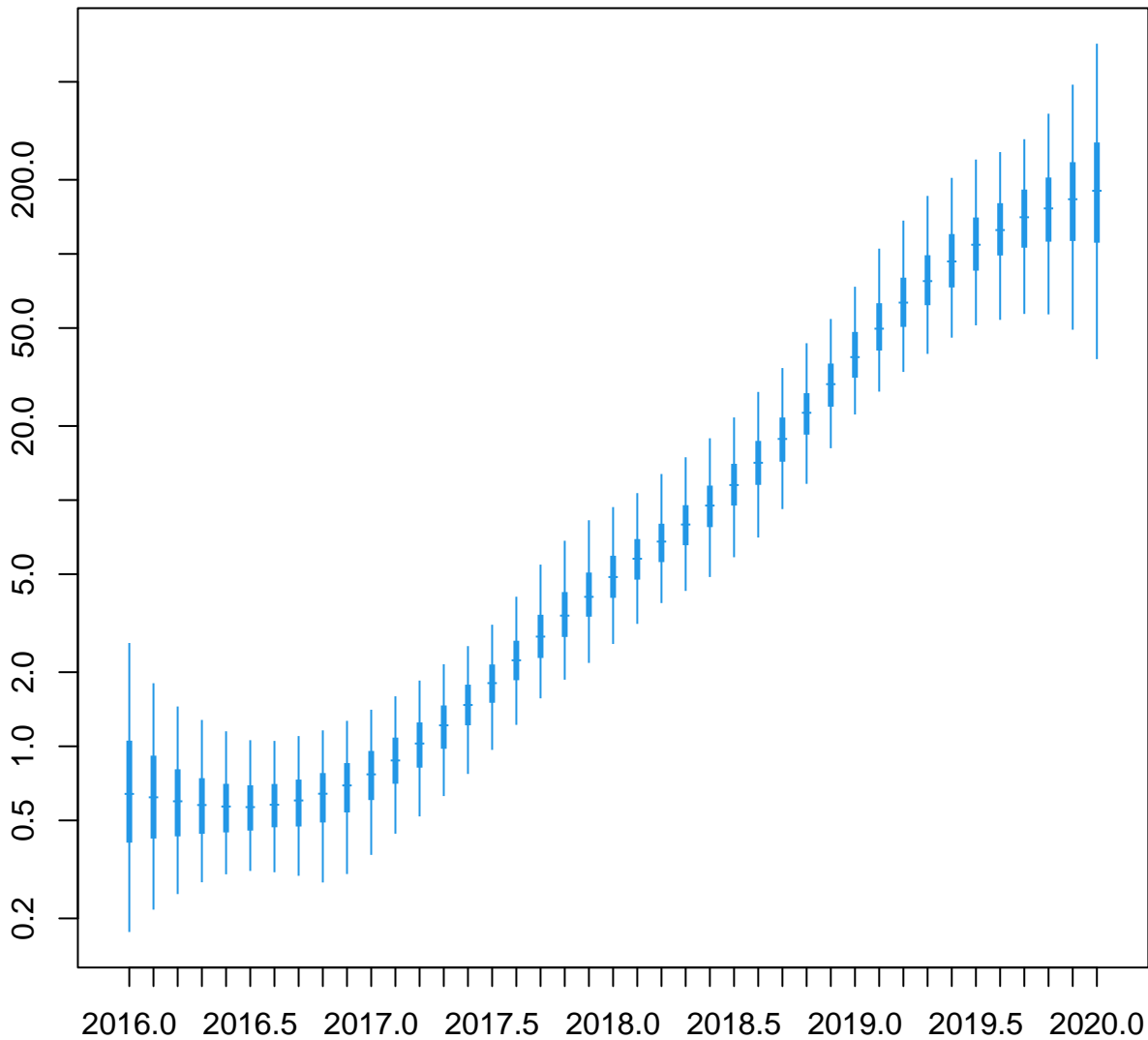


cycle_s[,1]

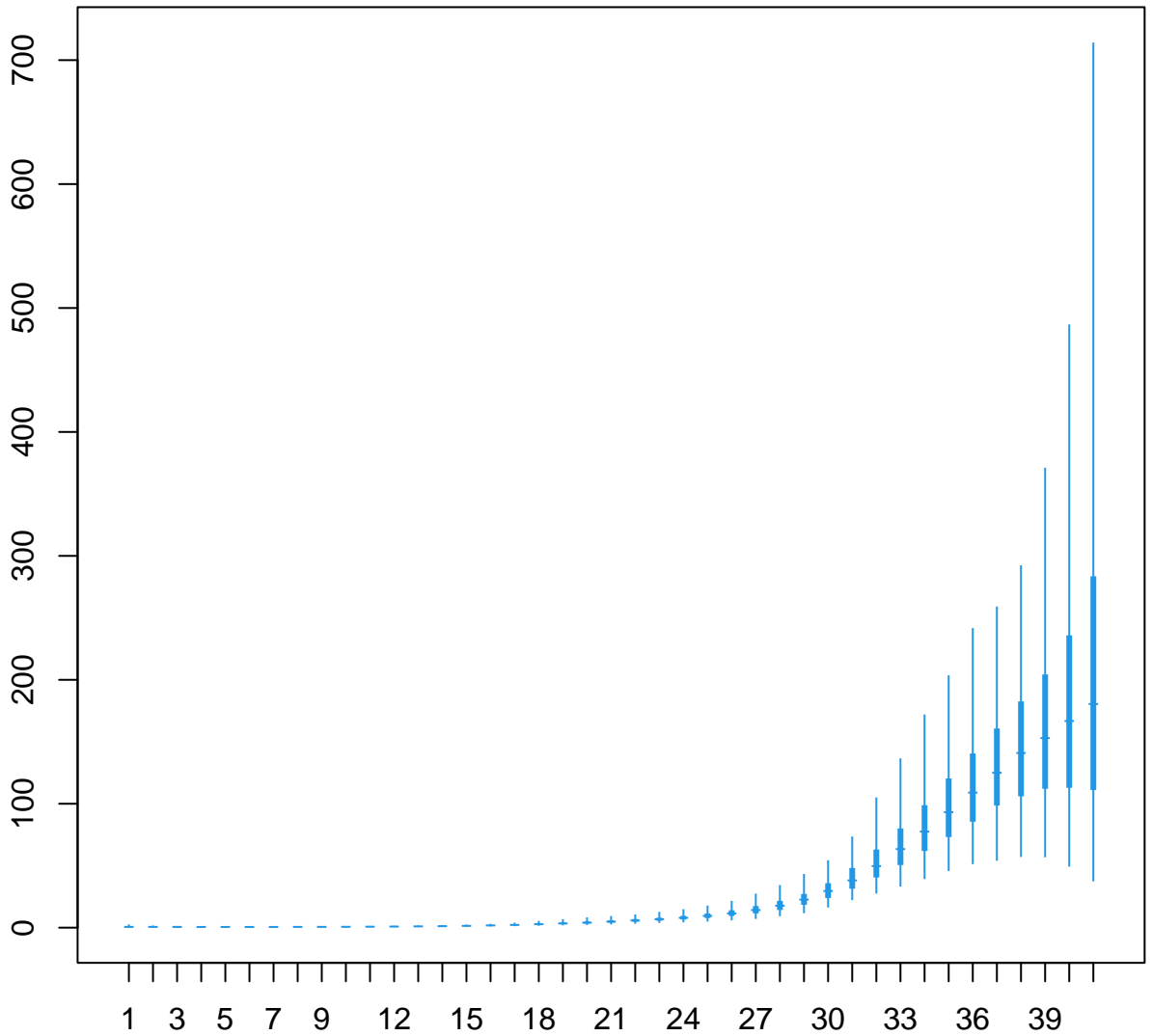


cycle_s

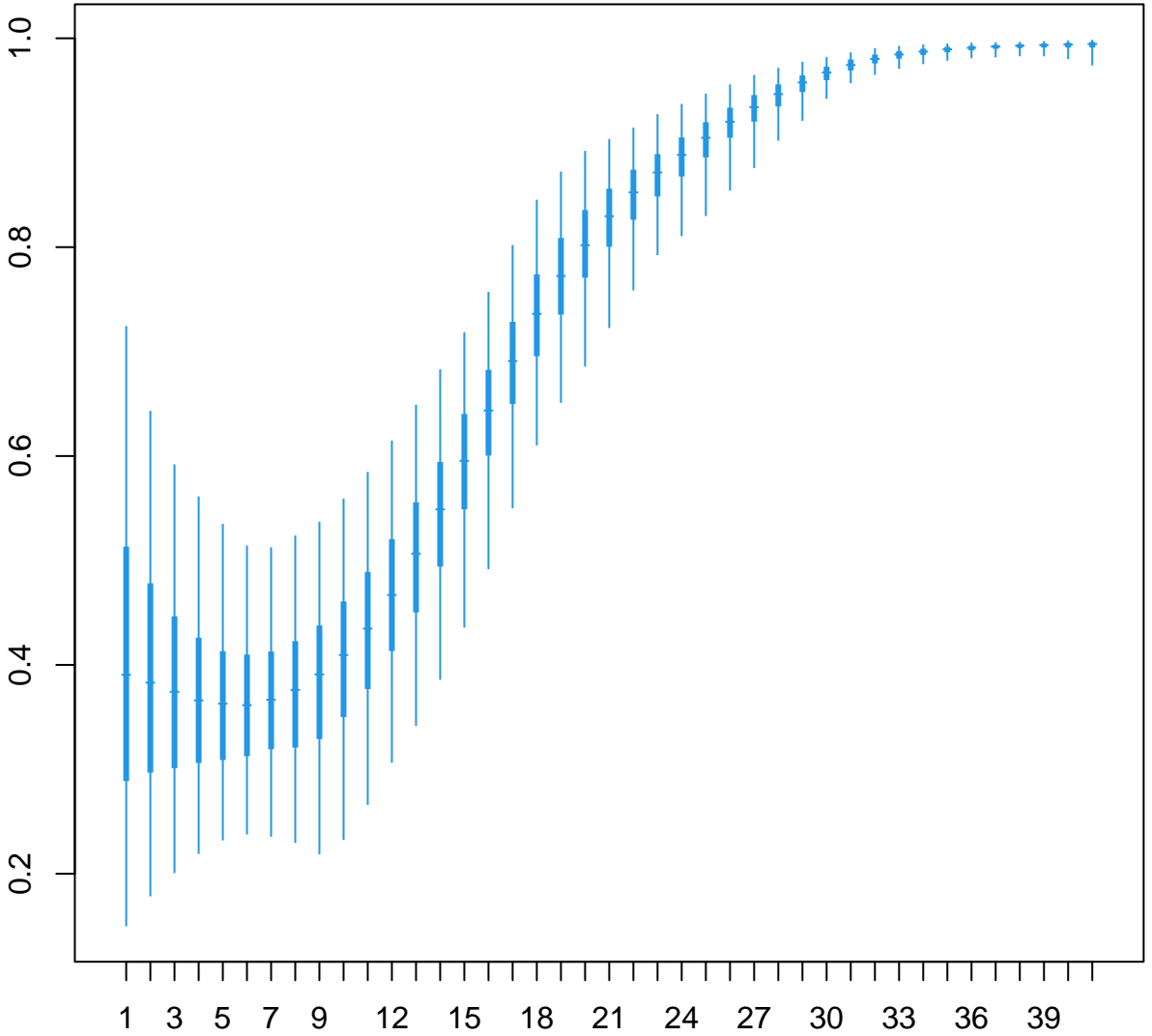


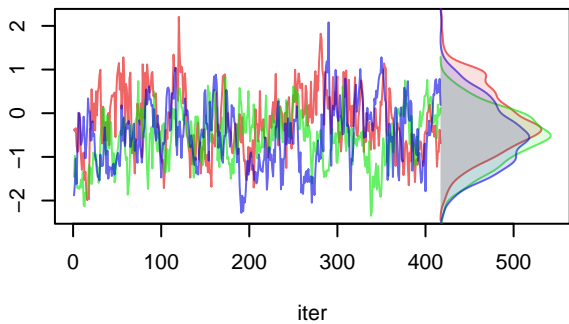
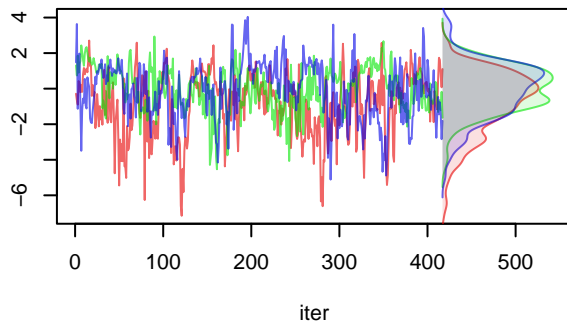
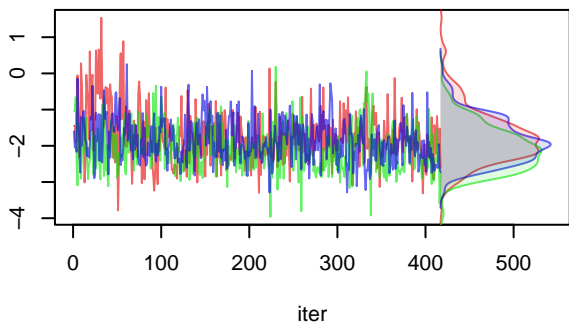
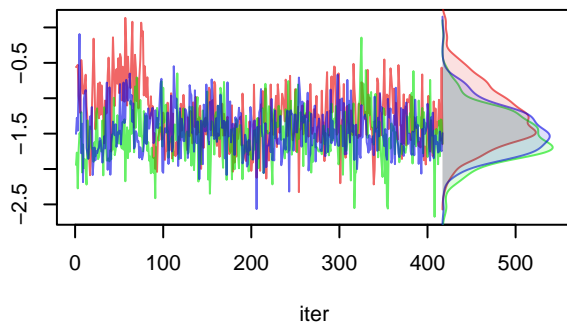
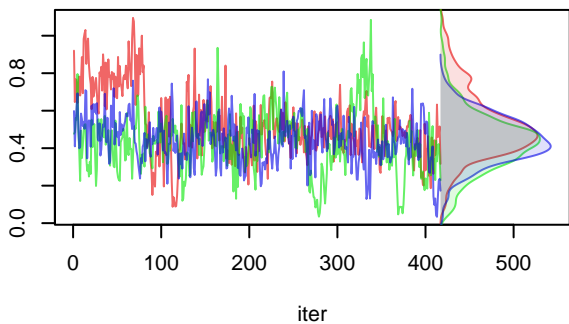
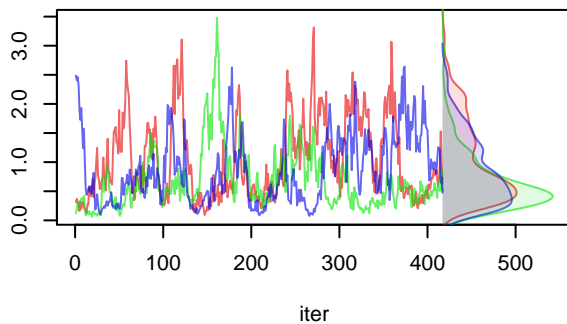


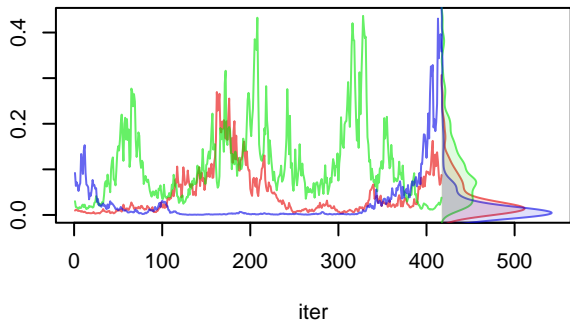
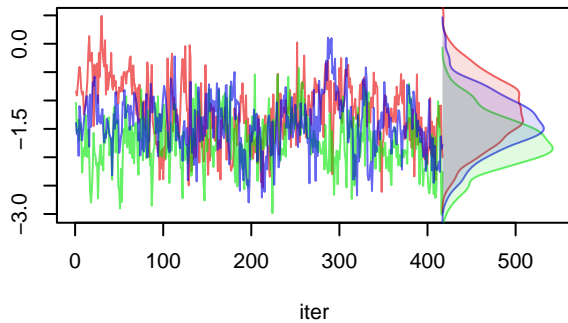
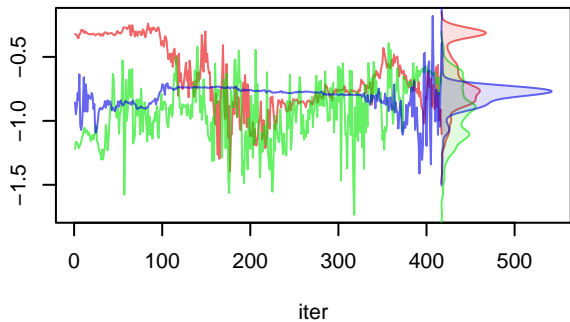
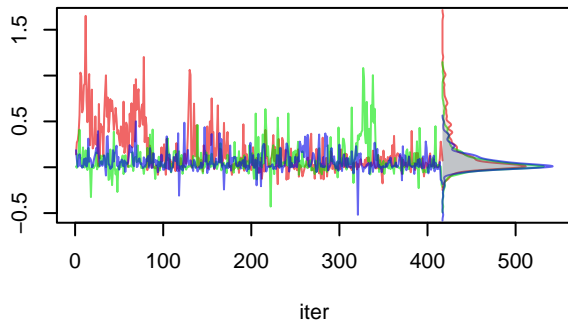
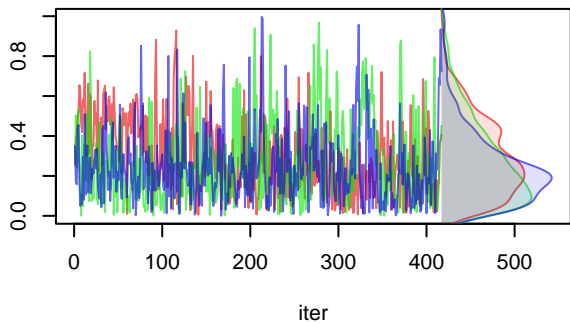
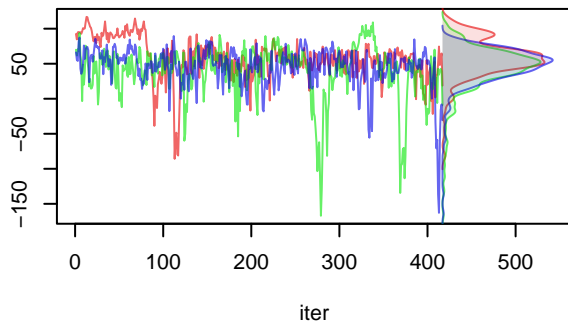
trend

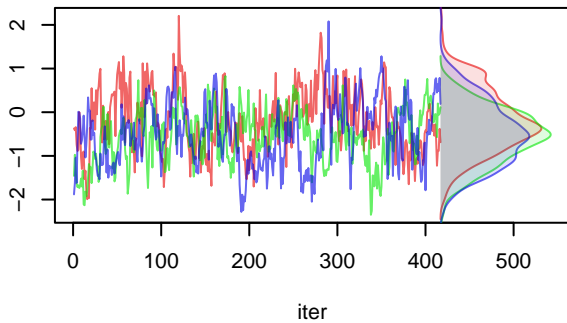
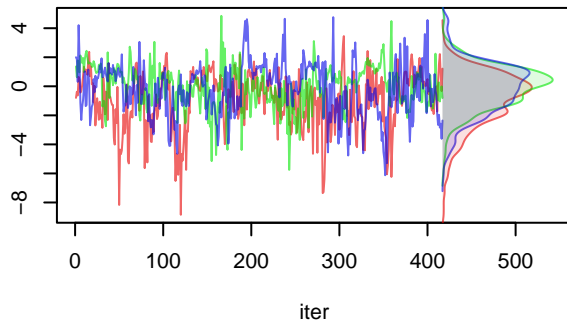
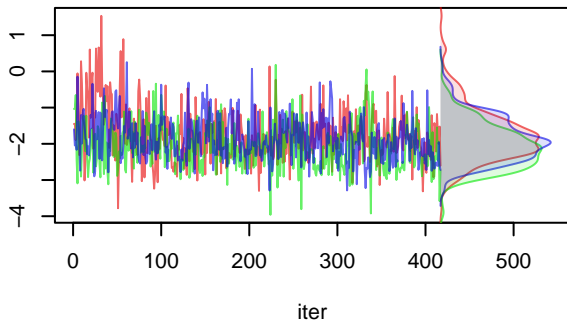
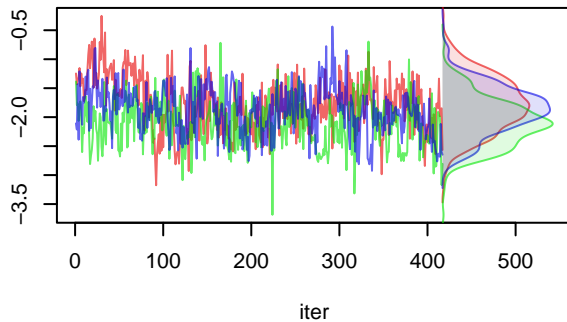
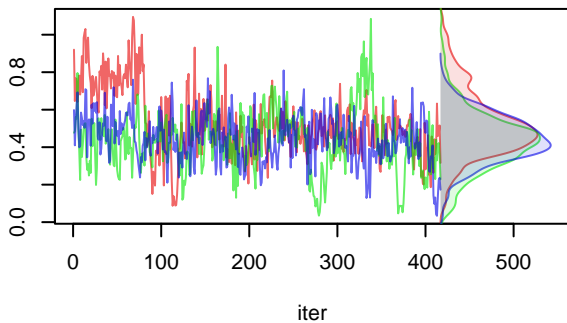
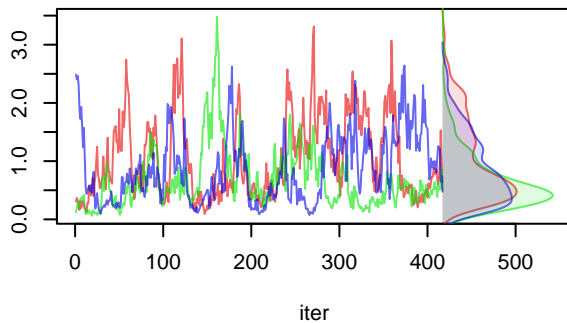


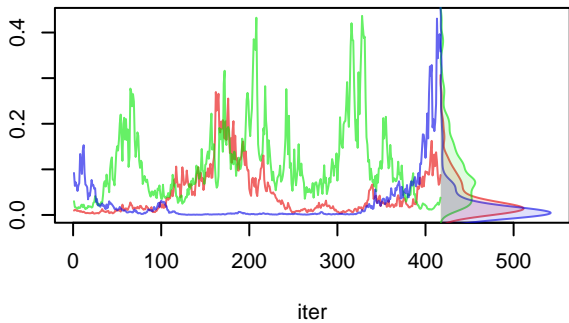
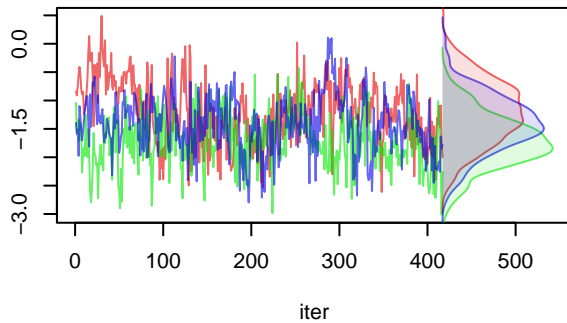
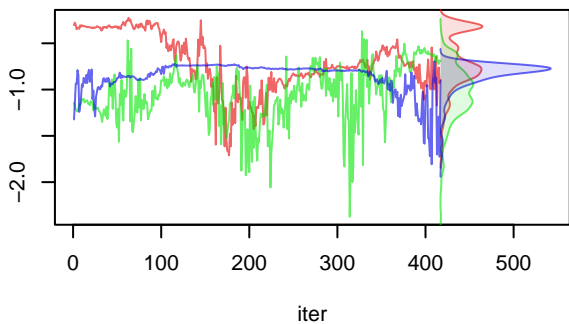
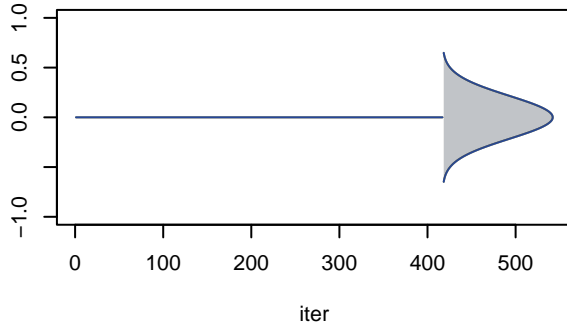
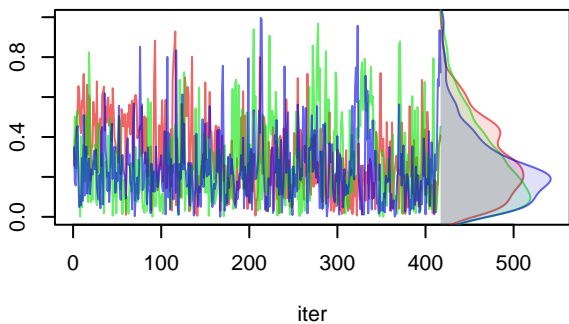
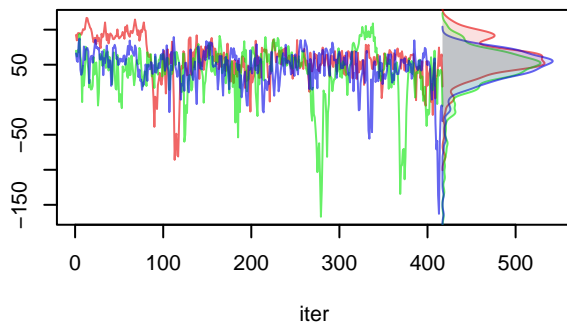
trend



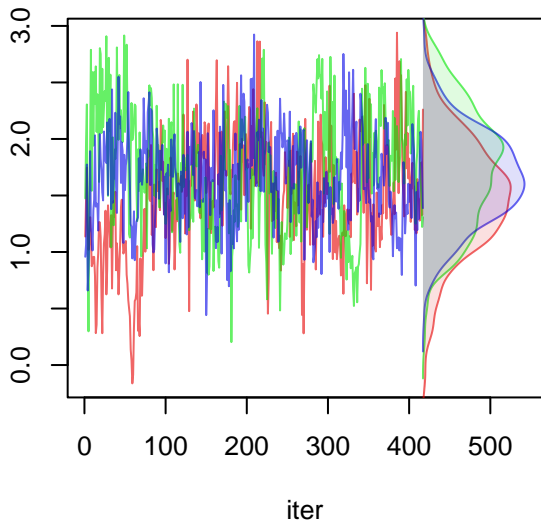
trend[1]**rate[3]****ypp[9]****fit[4]****sig_eps****sig_xi**

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

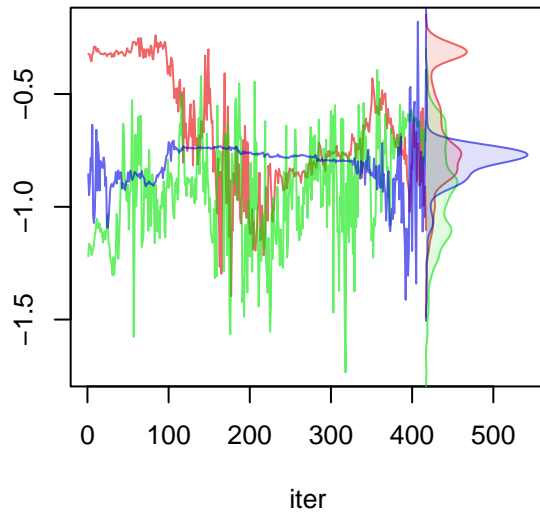
trend[1]**rate[2]****ypp[9]****fit[9]****sig_eps****sig_xi**

sig_omega[2]**cycle[9]****cycle_s[9,2]****ar1[1]****phi****deviance**

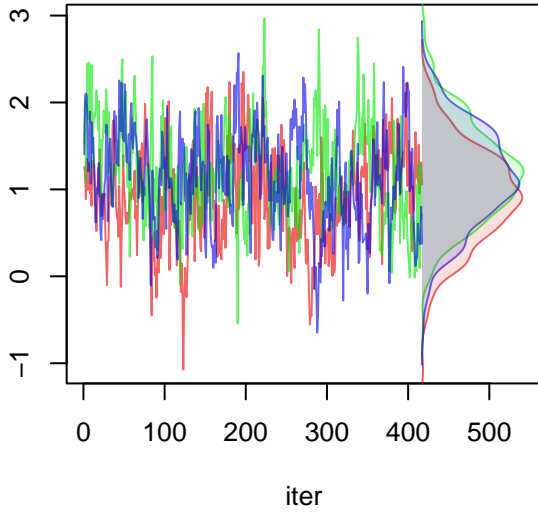
cycle_s[34,1]



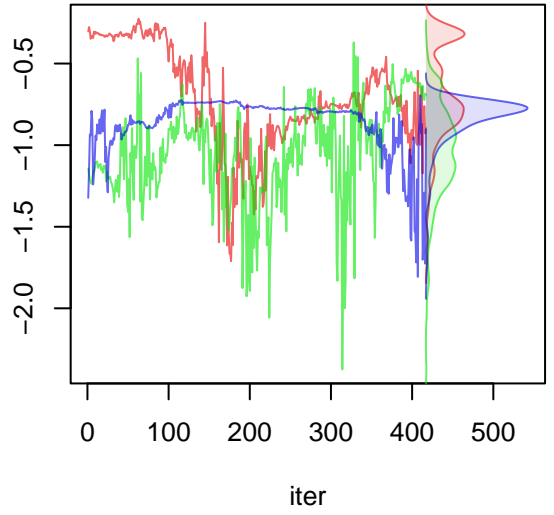
cycle_s[14,2]



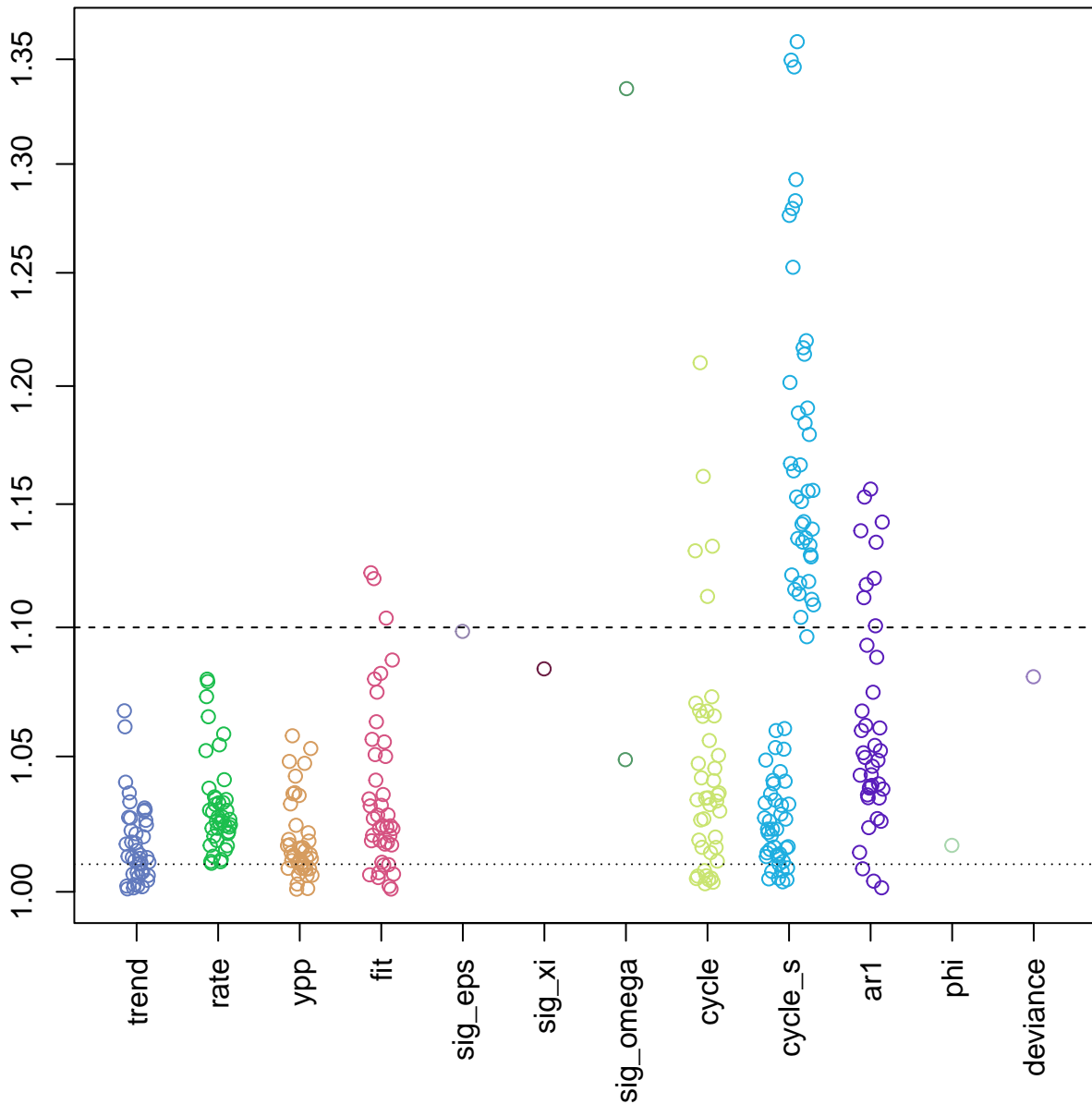
cycle_s[3,1]



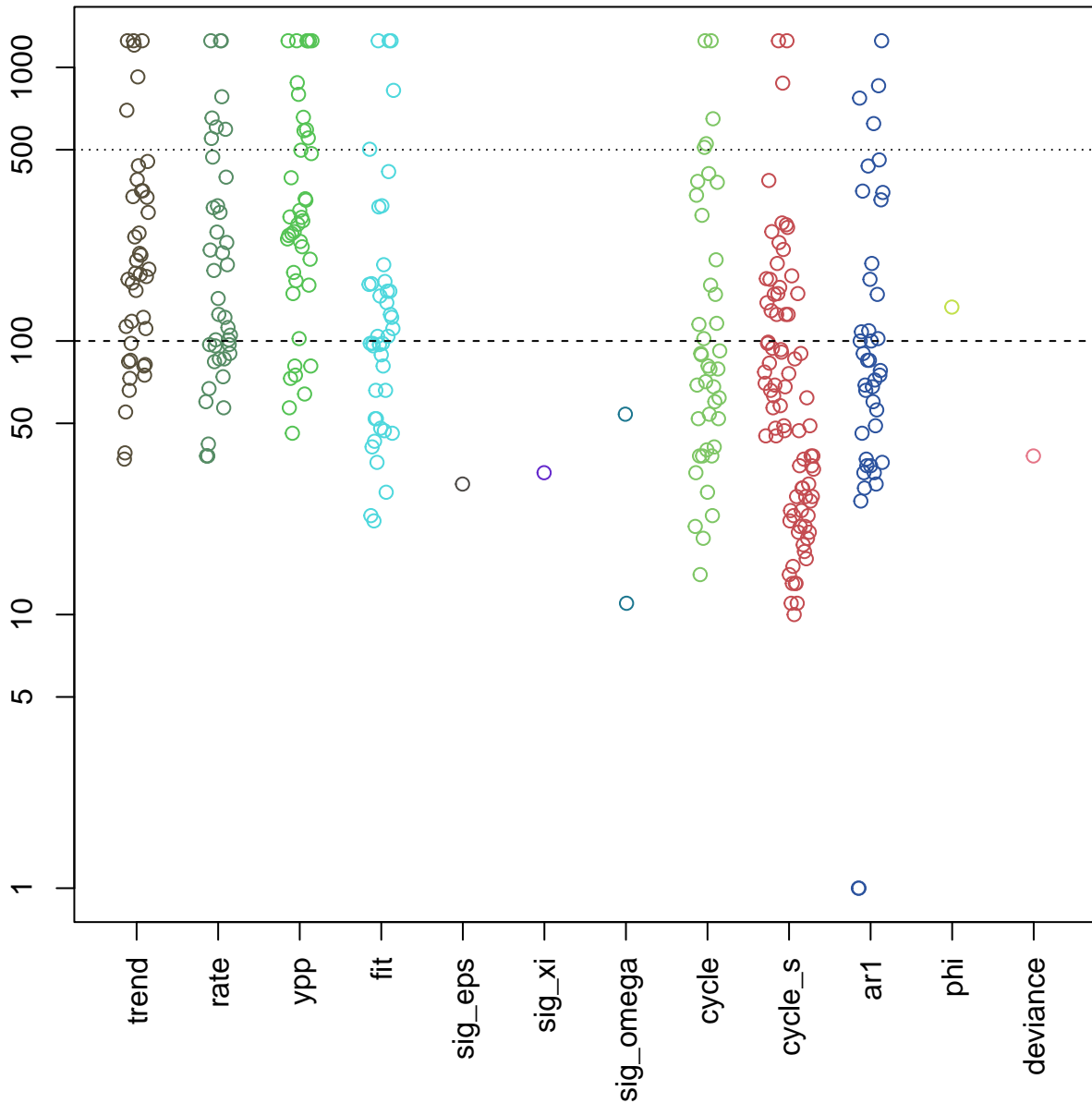
cycle_s[9,2]



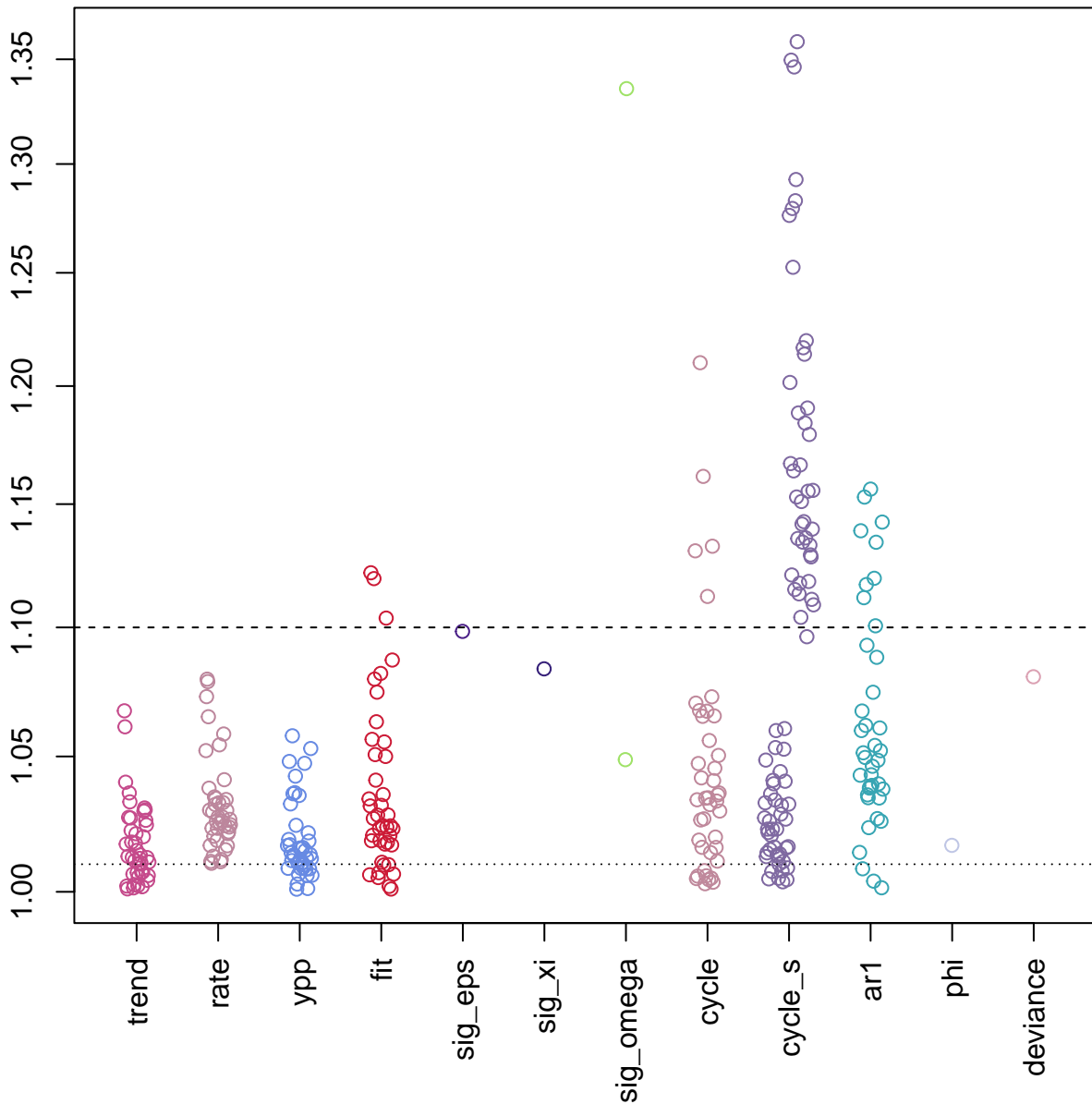
R hat



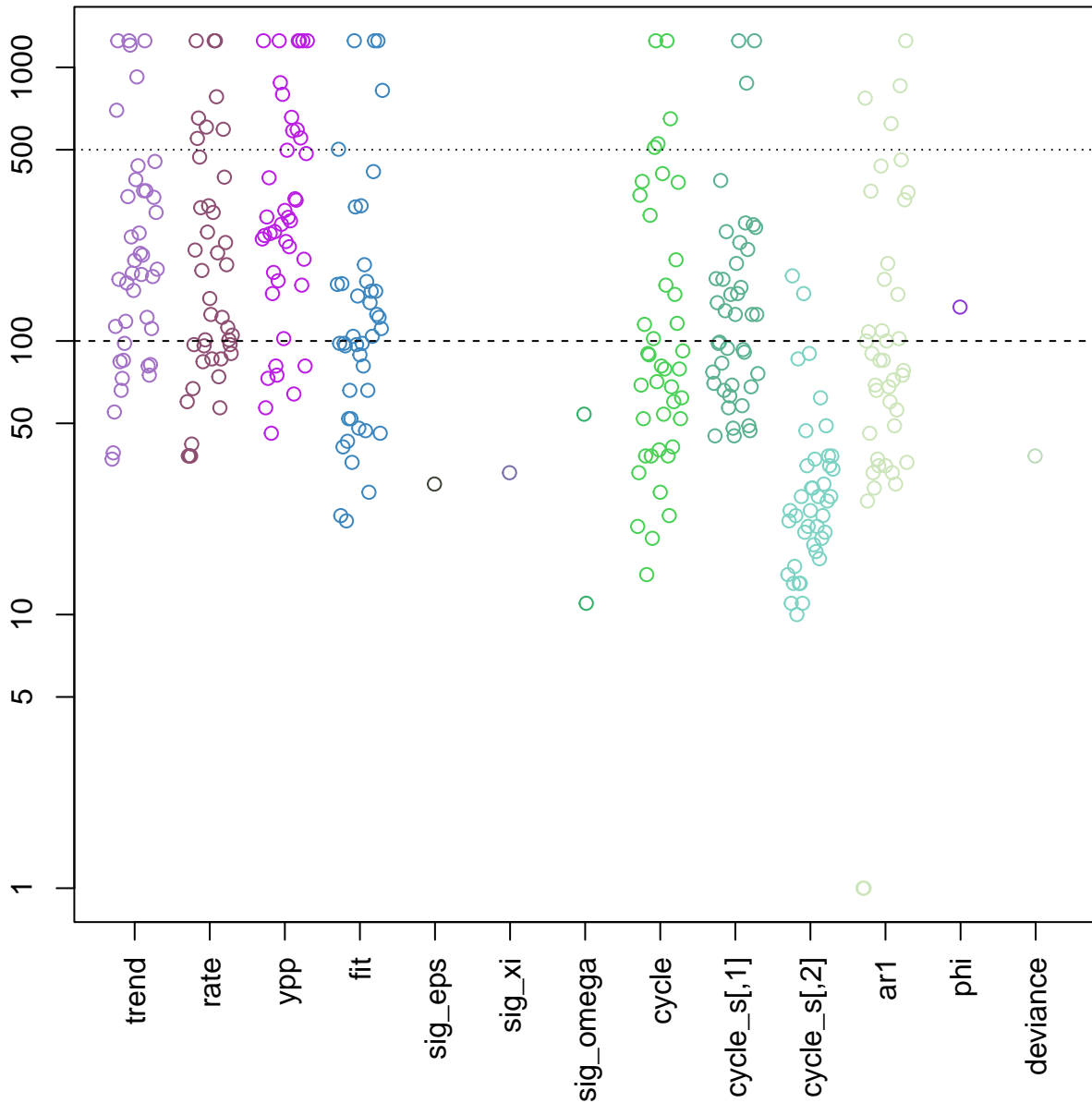
n eff



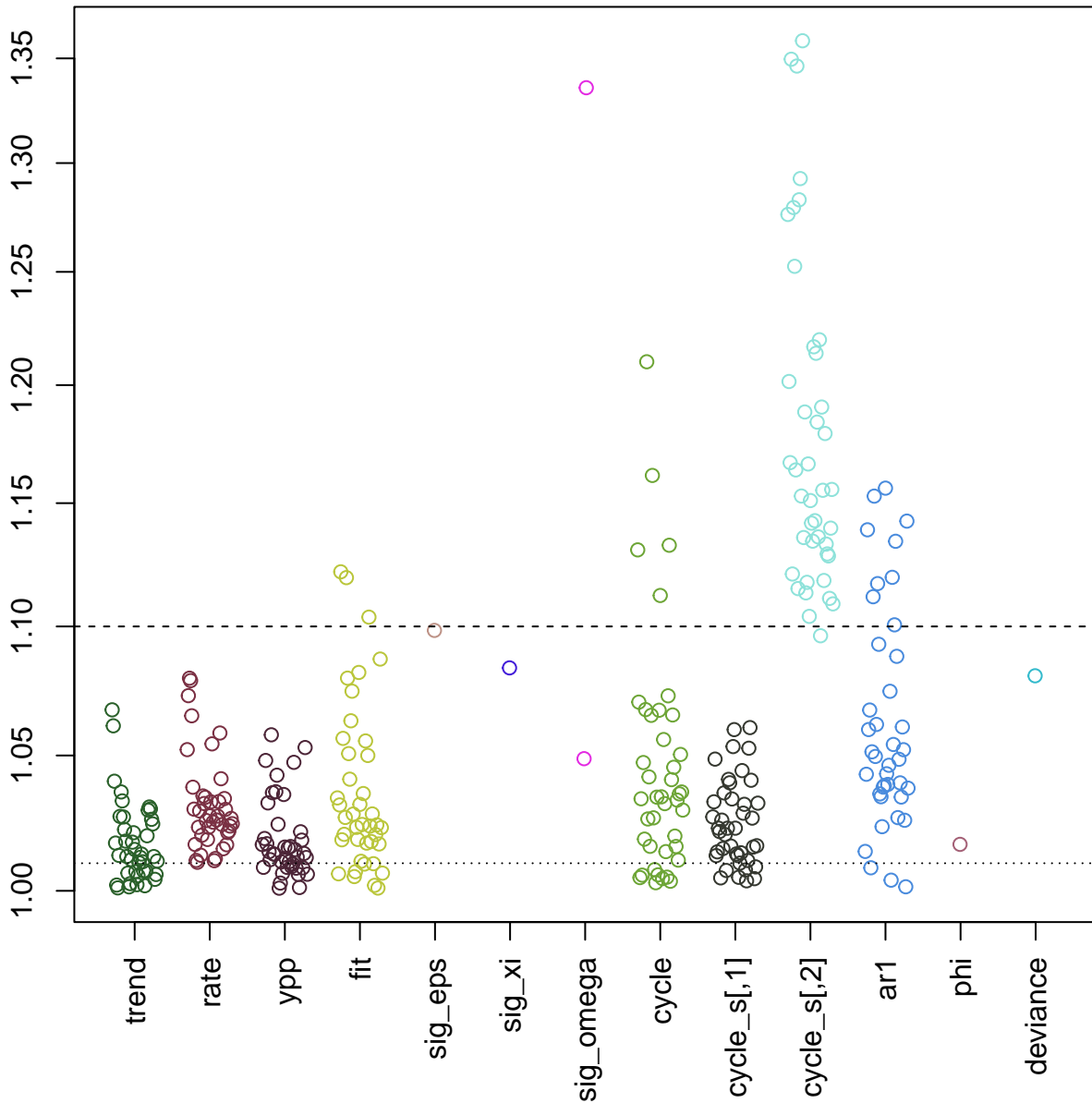
R hat



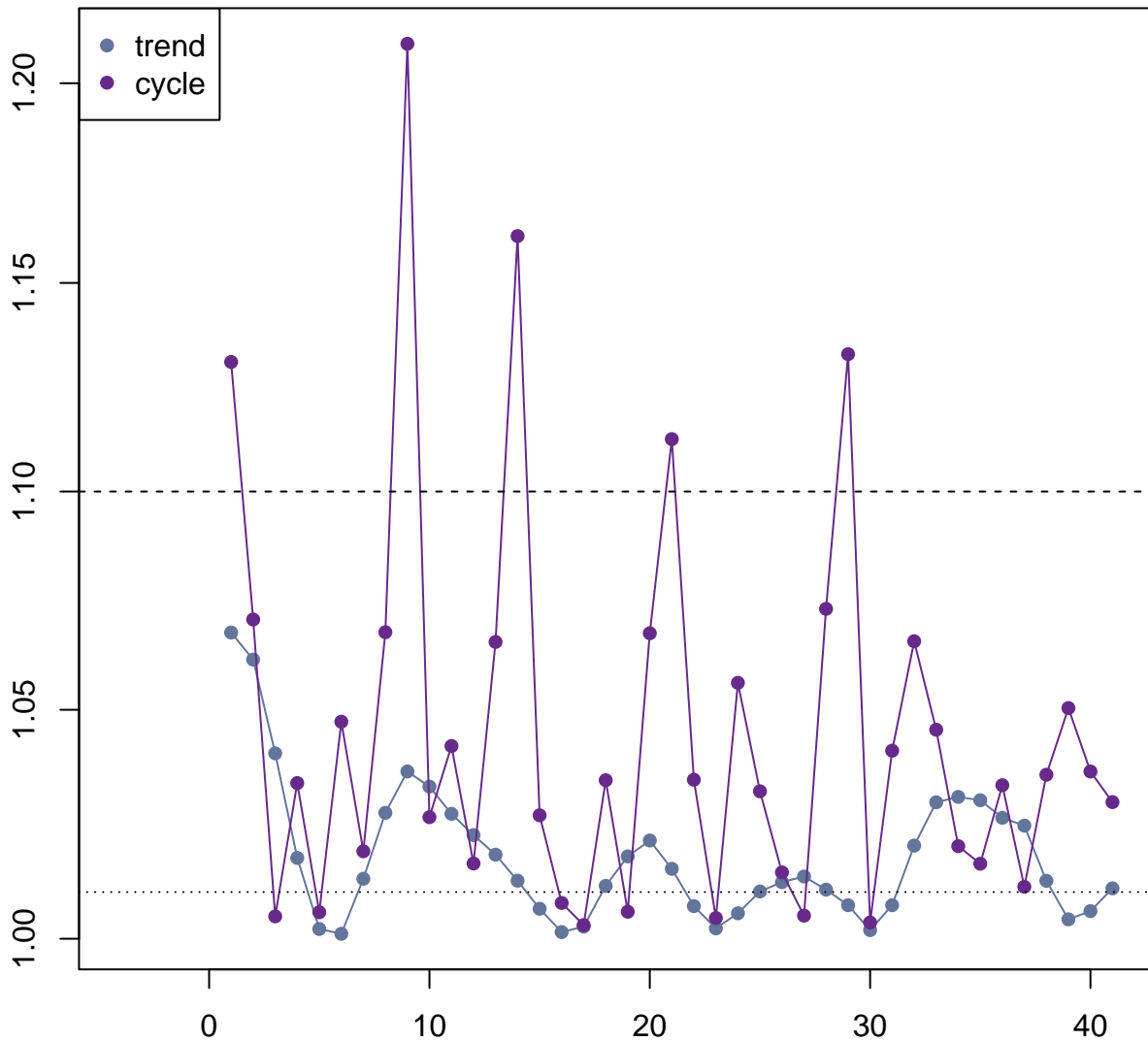
n eff

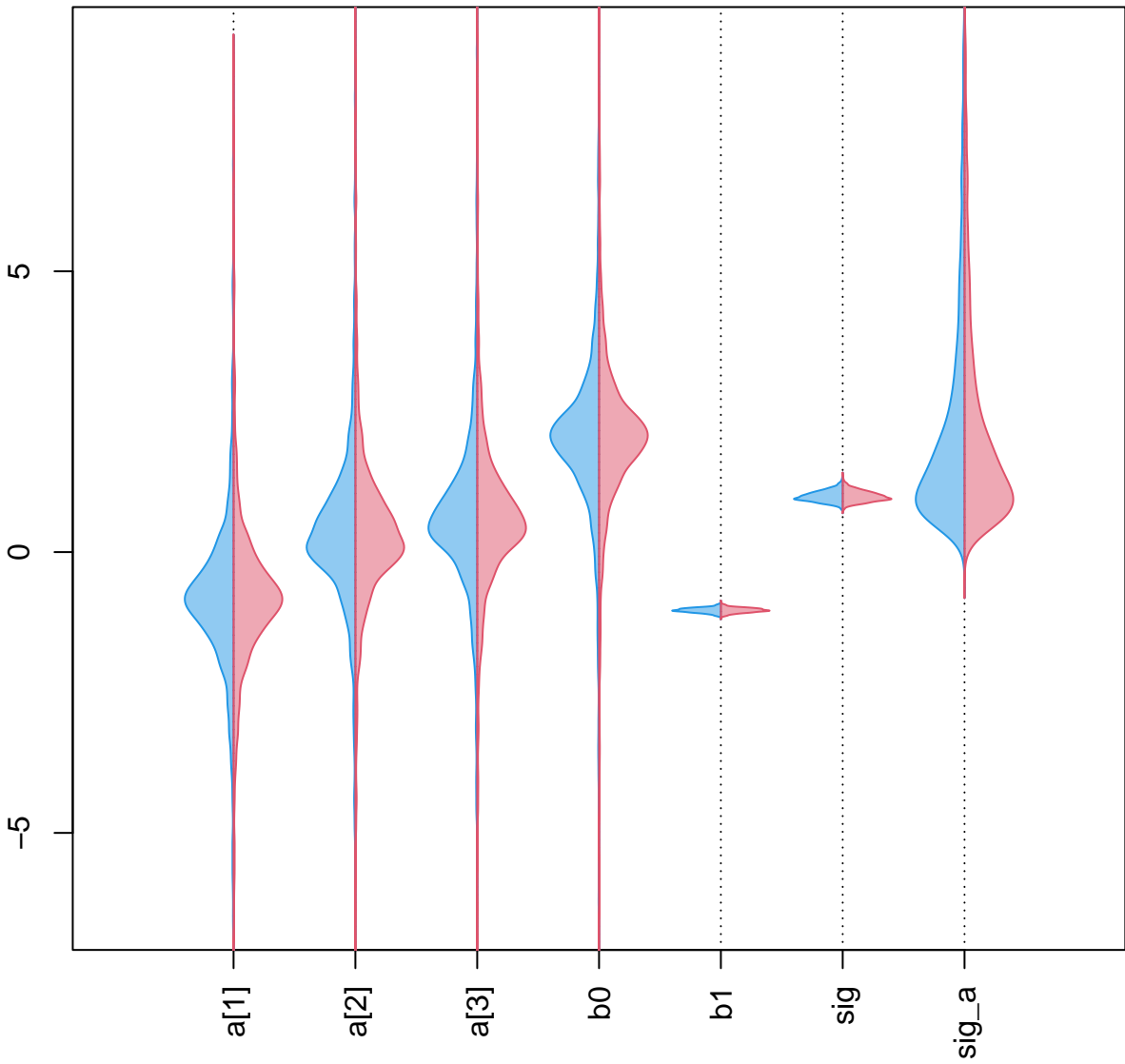


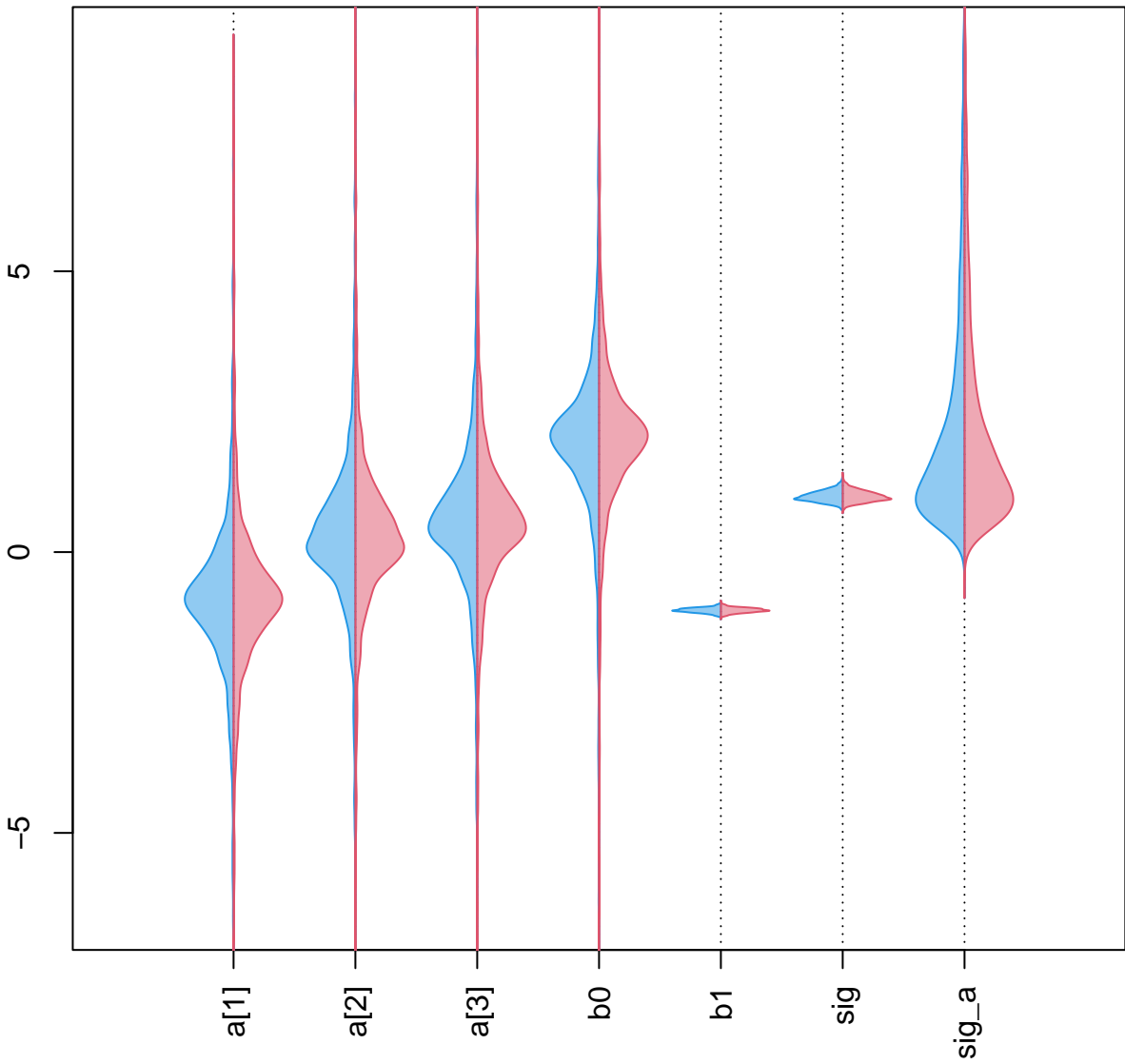
R hat

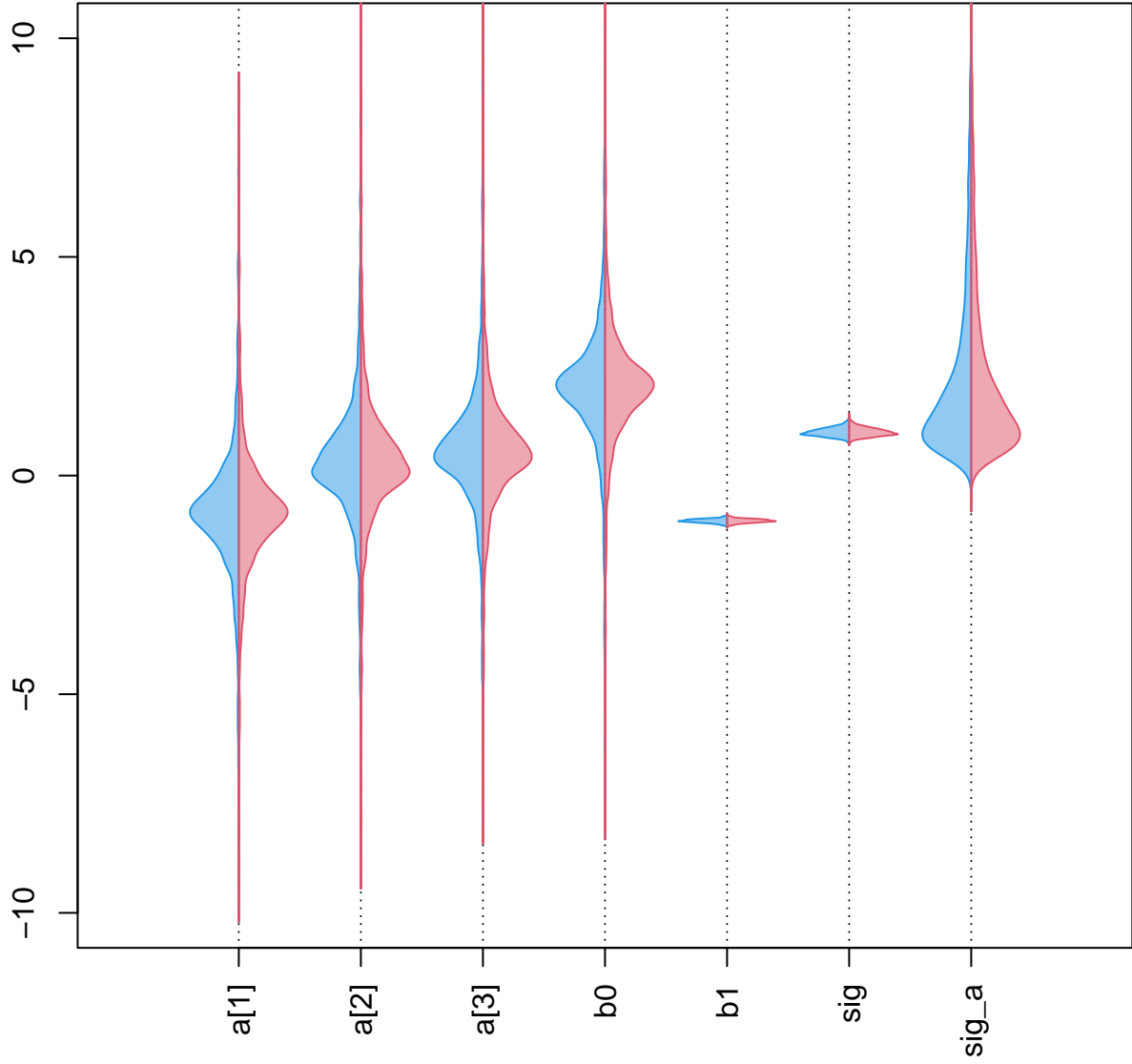


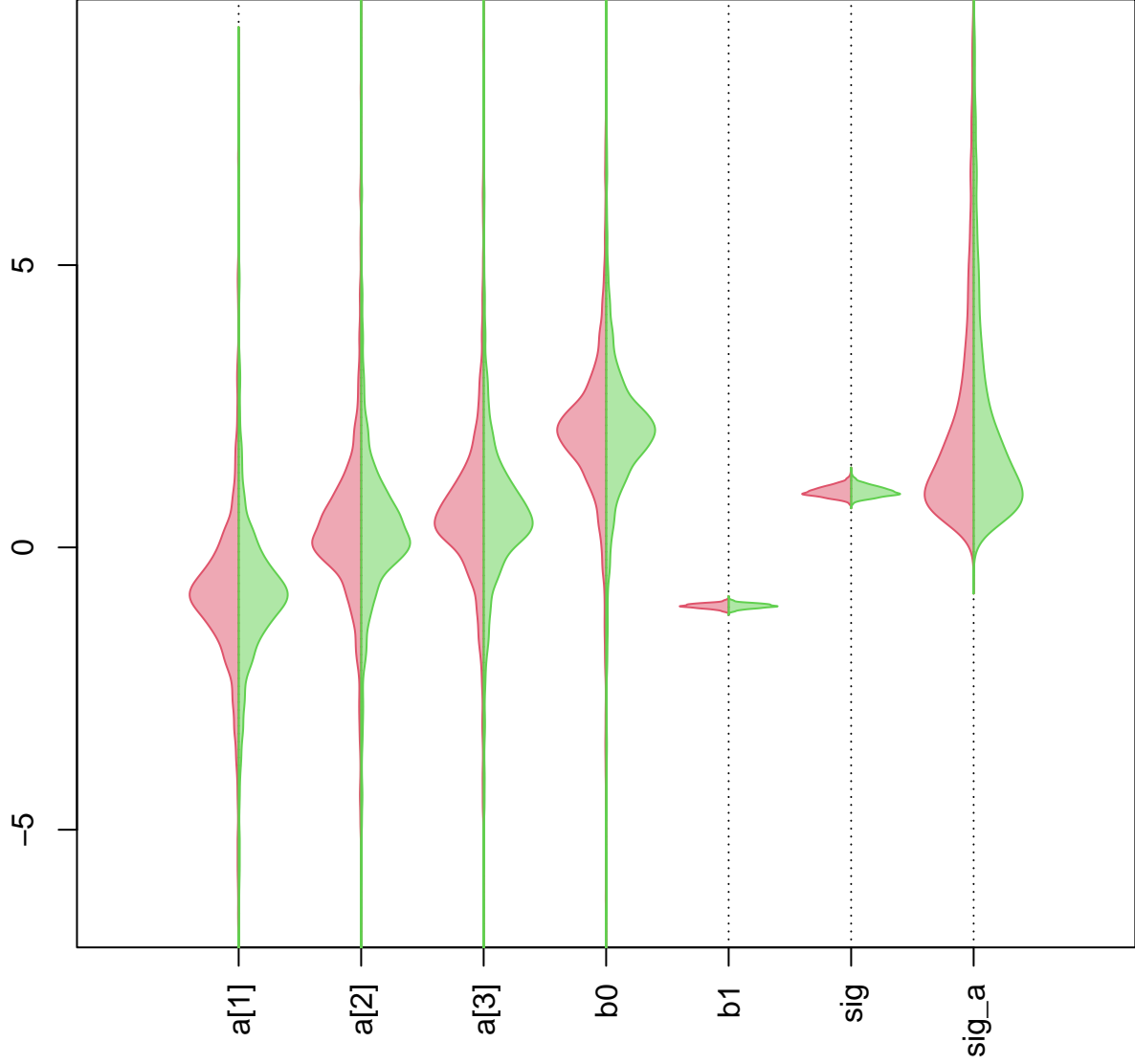
R hat

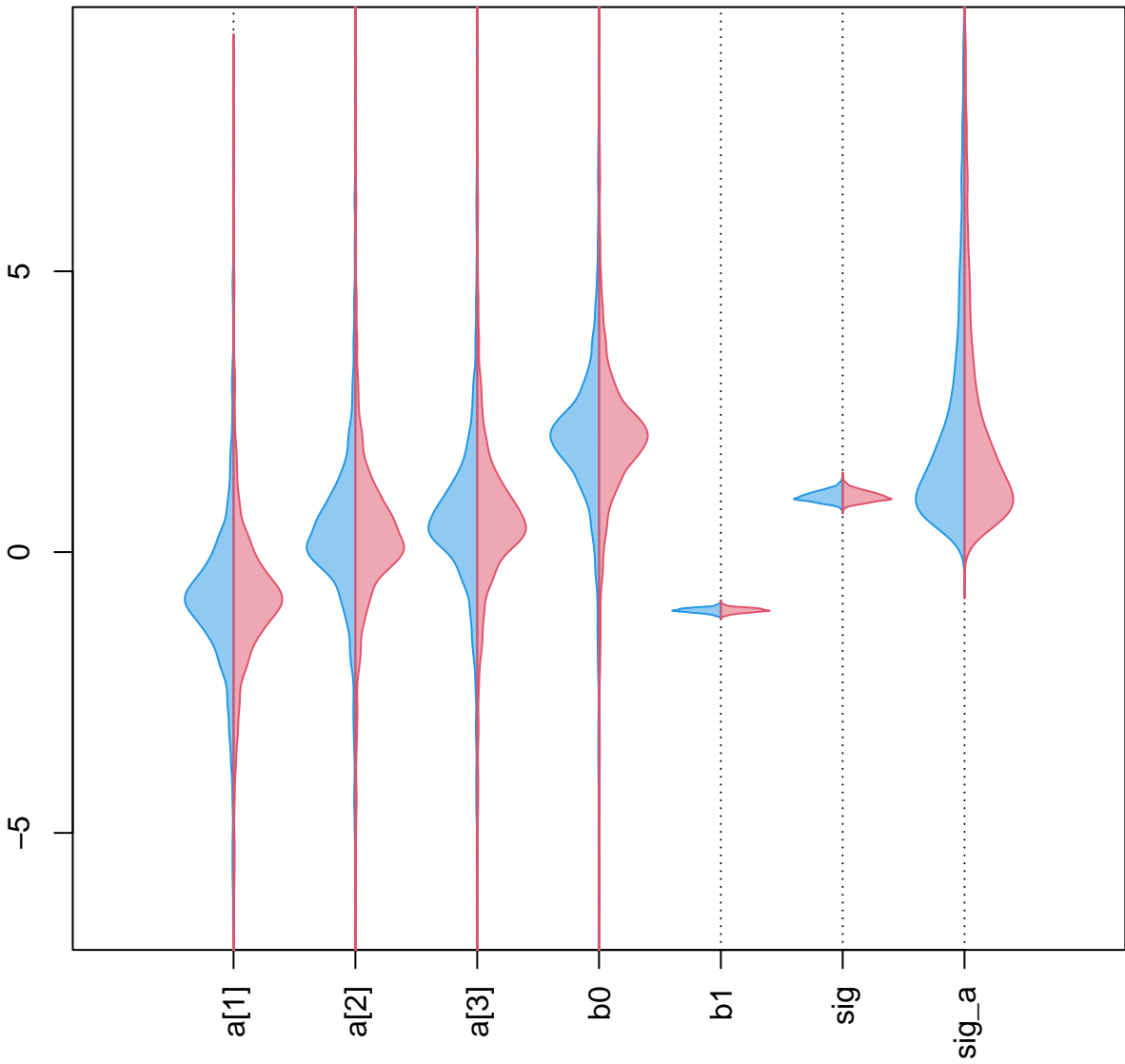


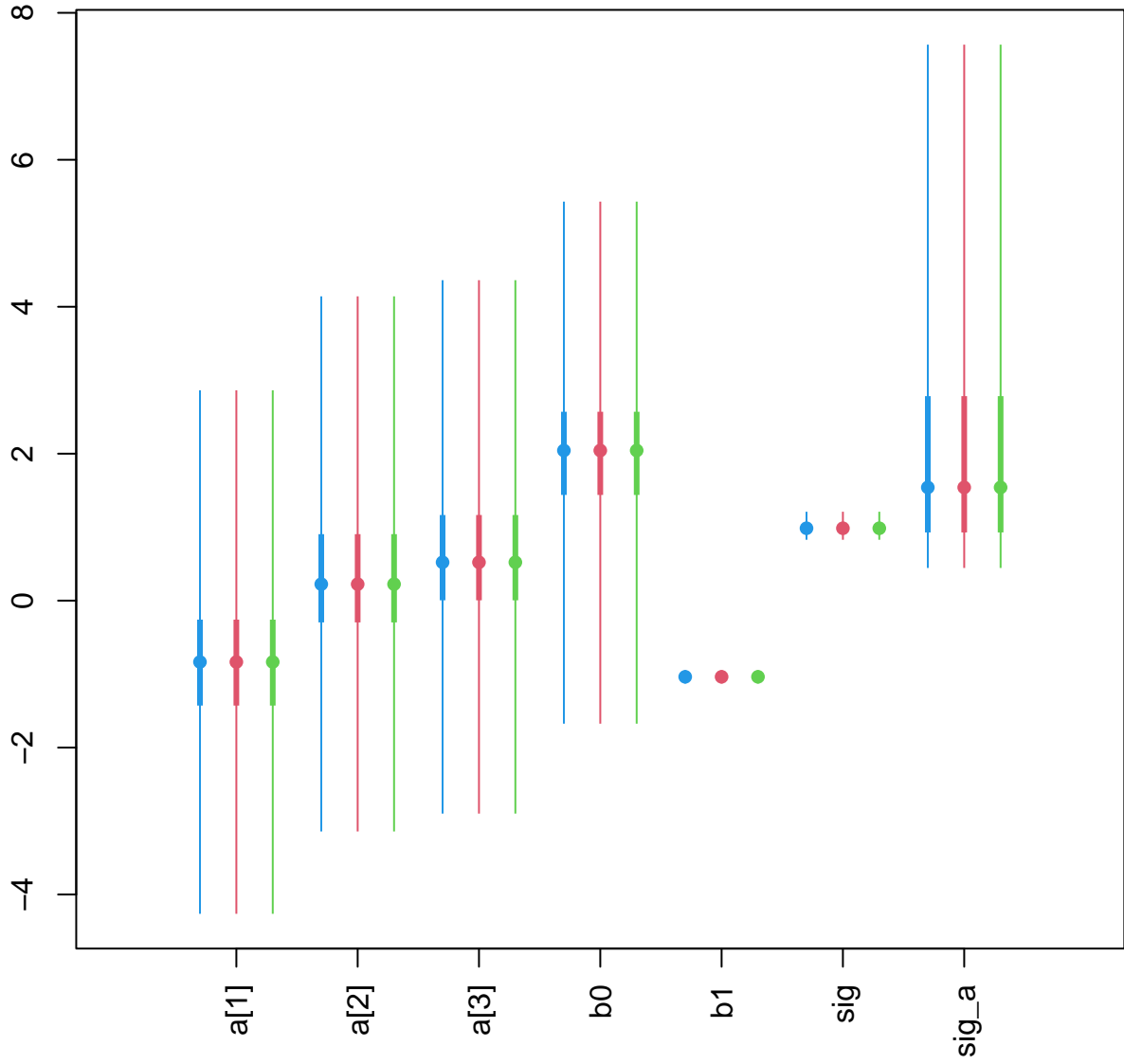


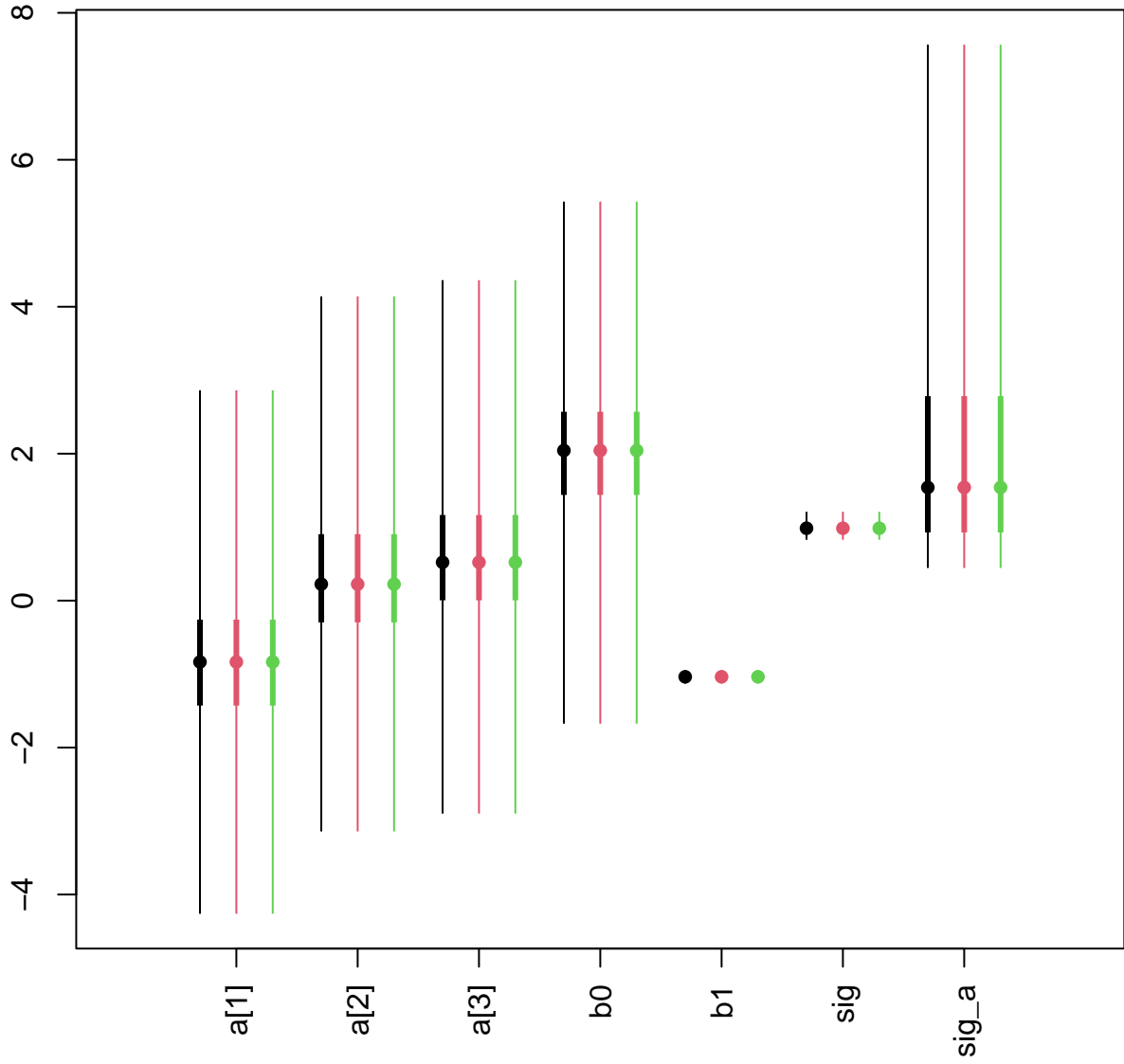


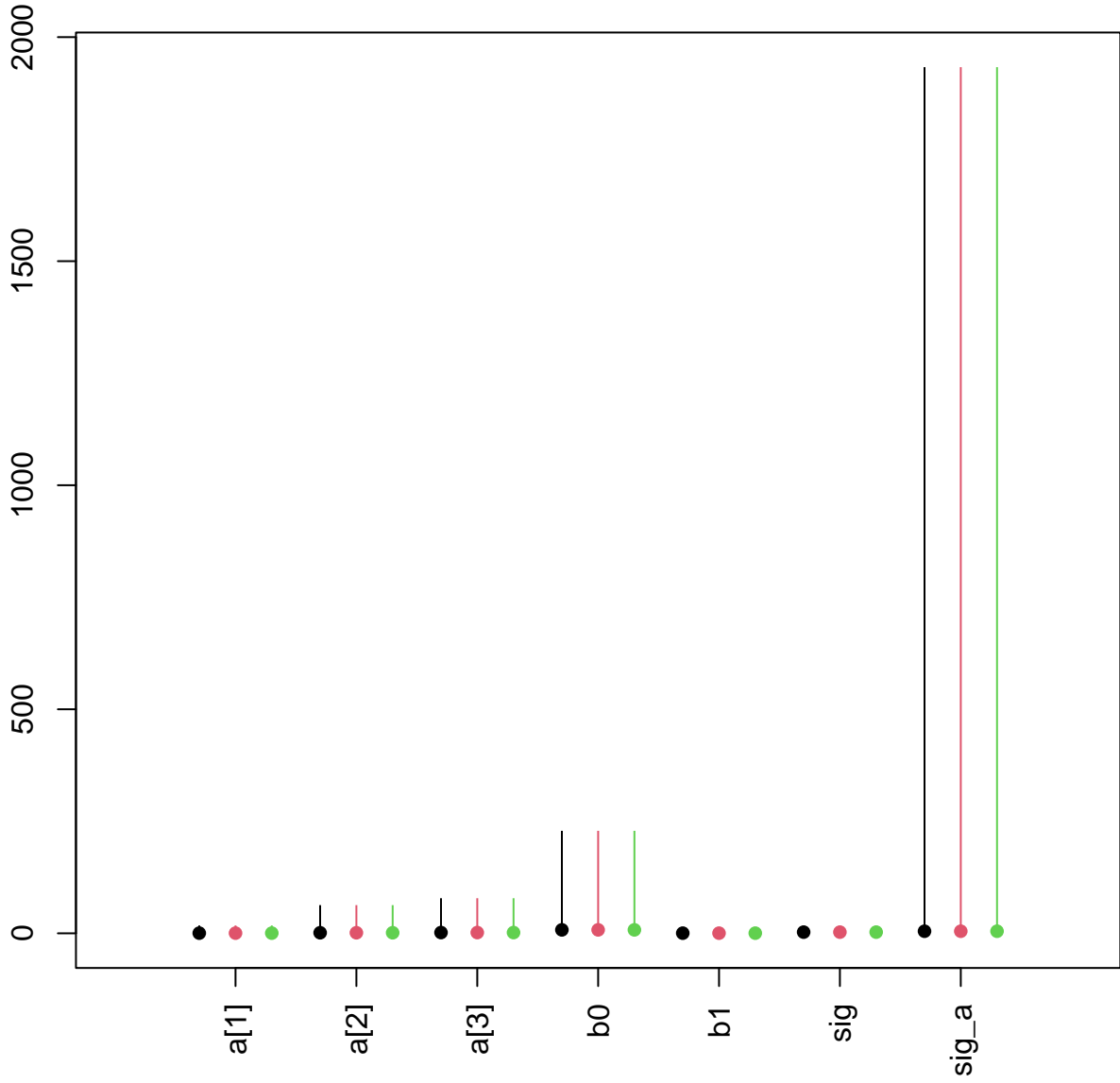


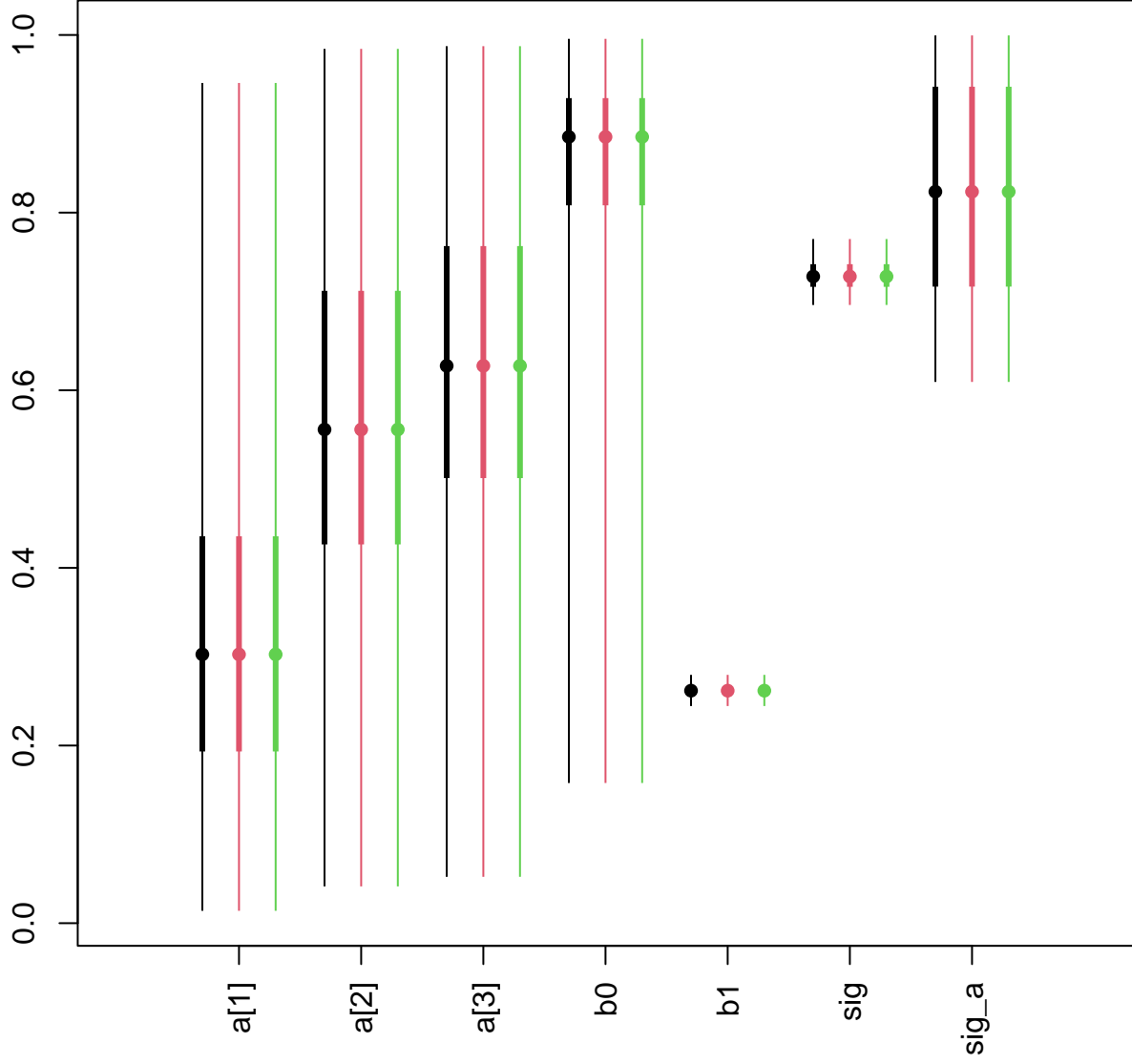


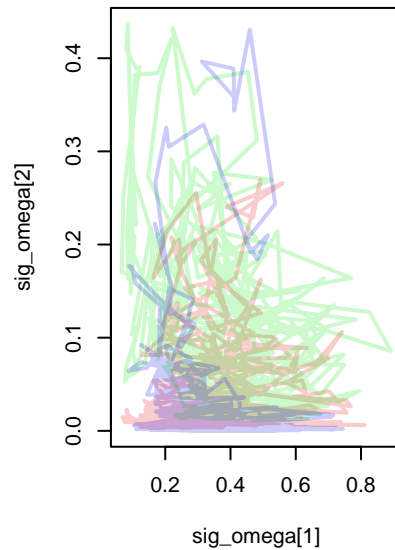
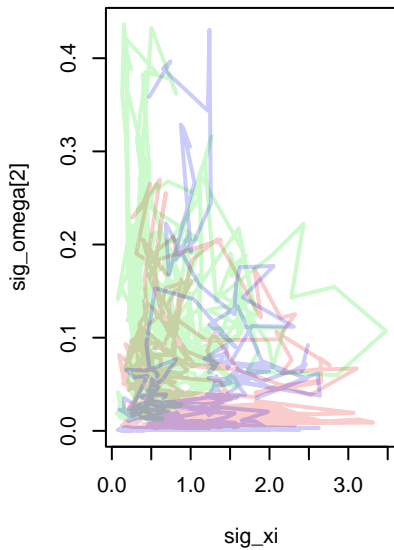
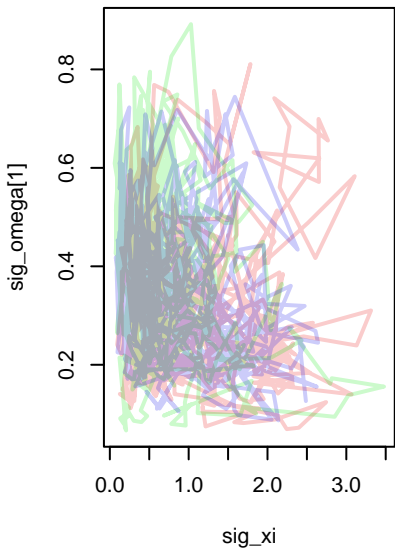
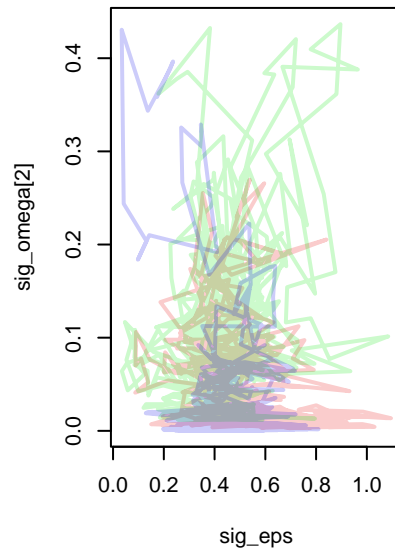
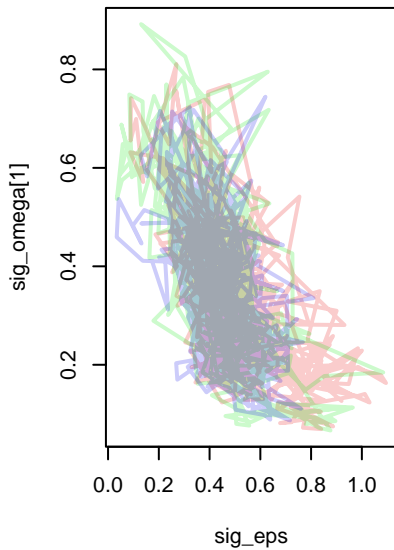
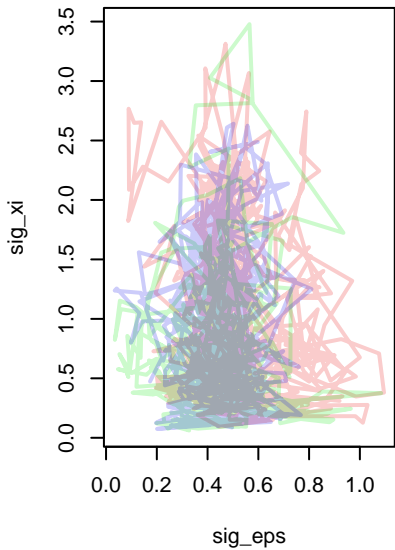


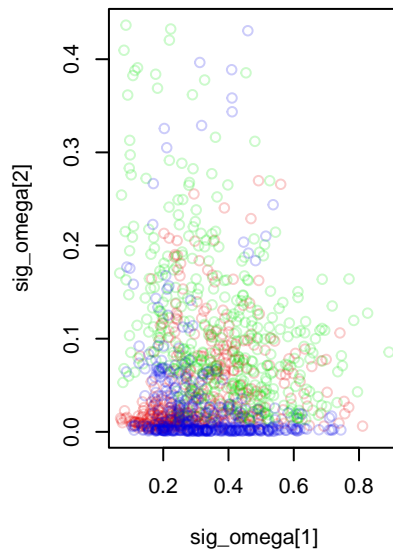
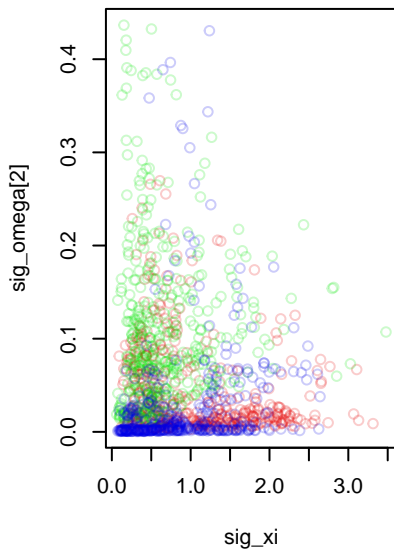
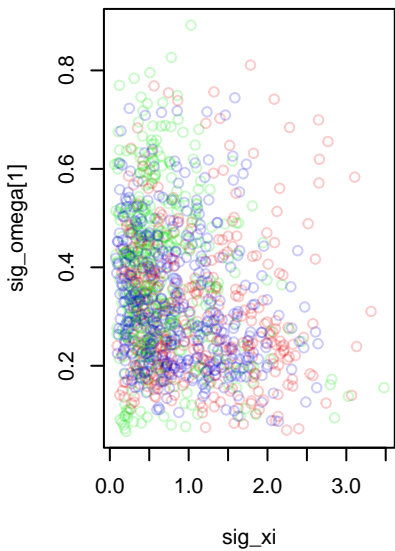
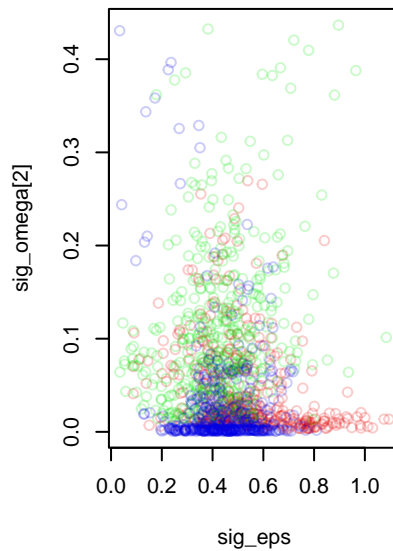
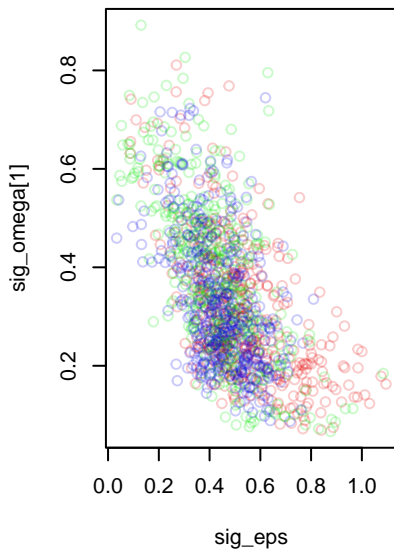
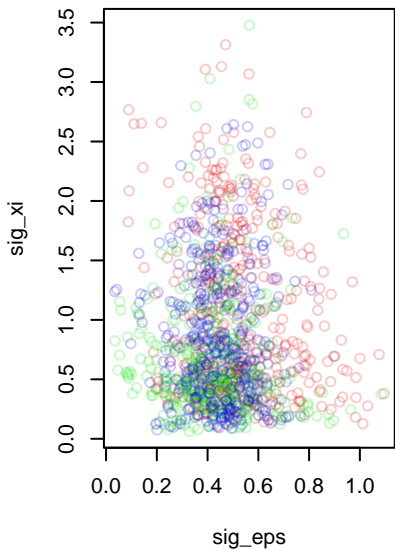


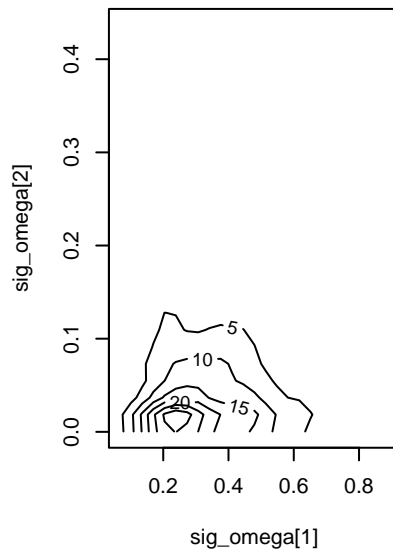
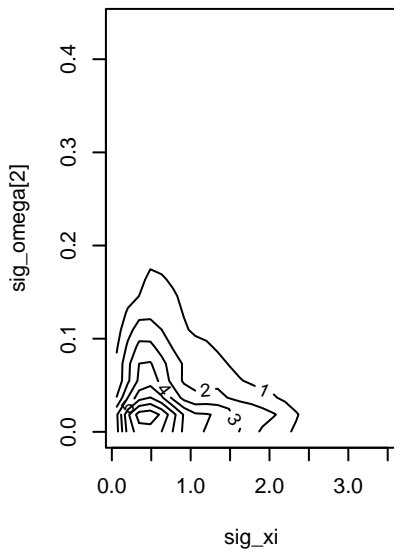
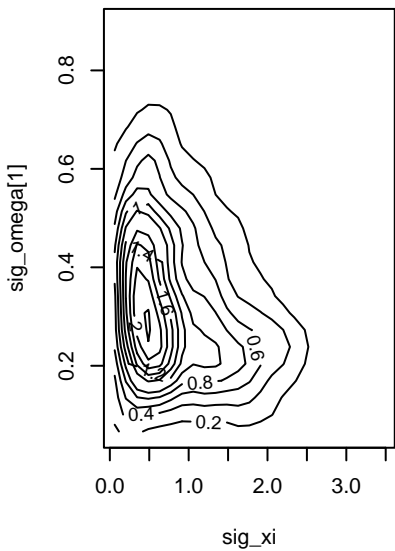
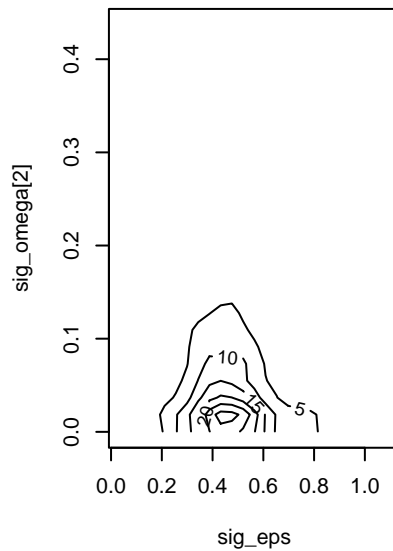
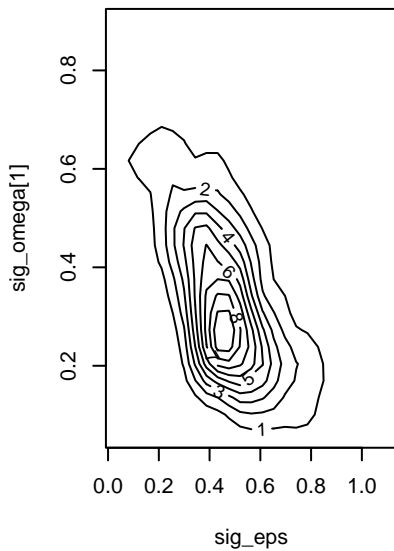
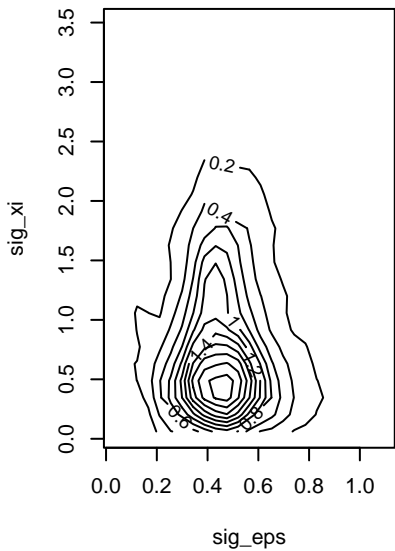


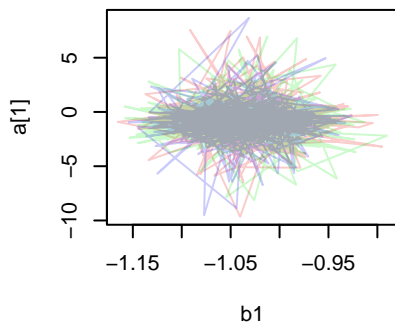
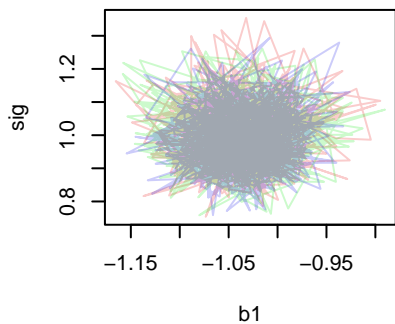
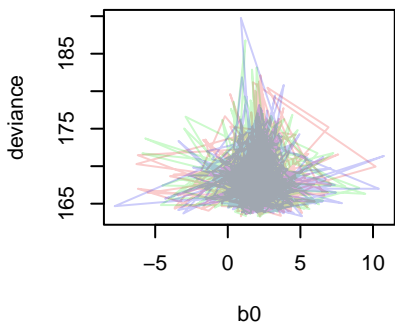
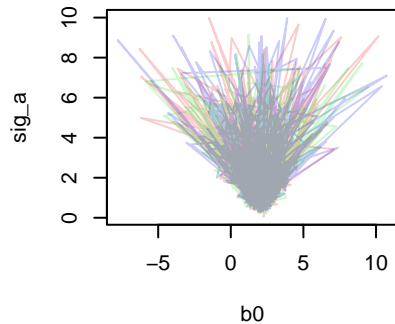
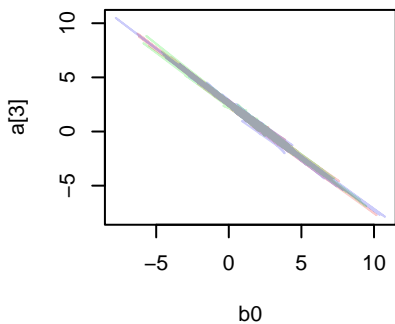
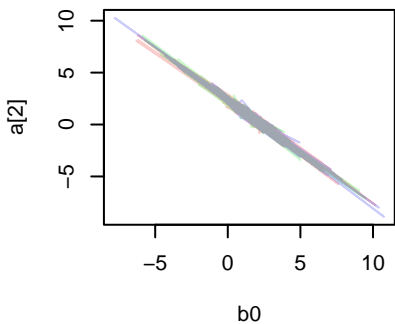
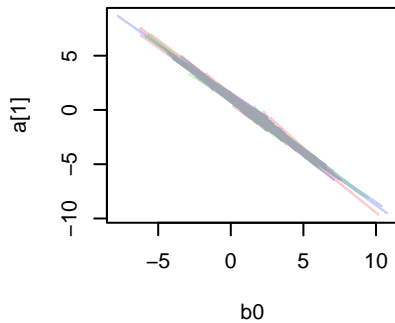
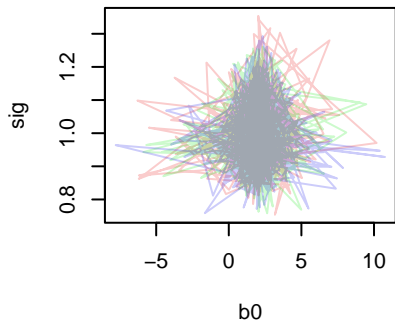
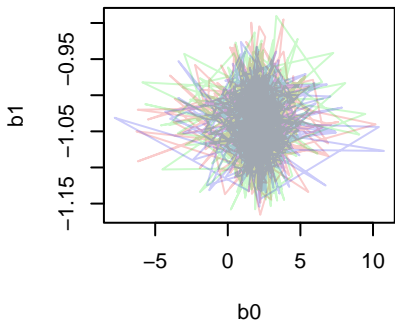


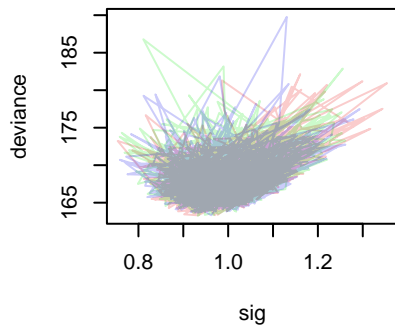
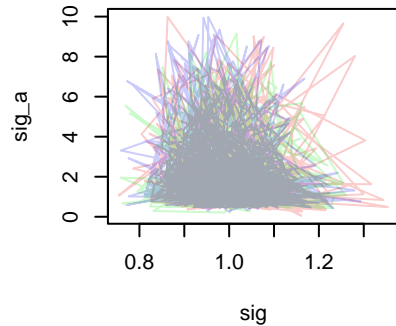
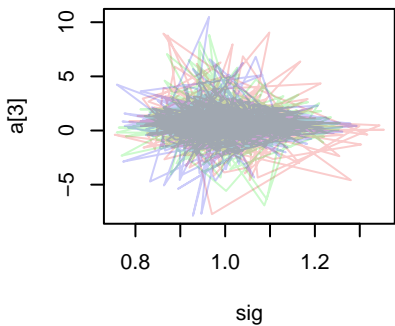
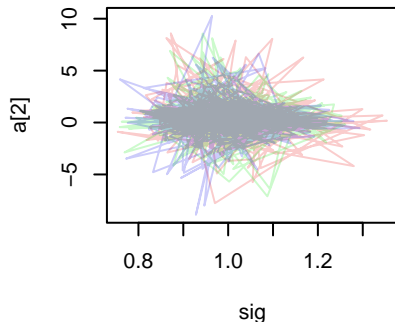
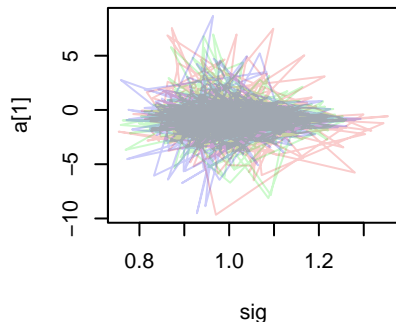
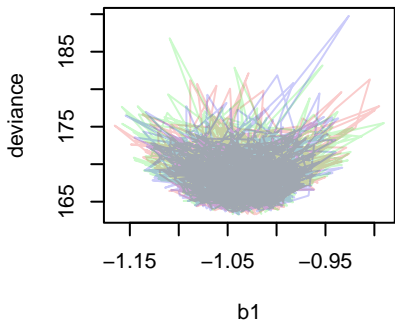
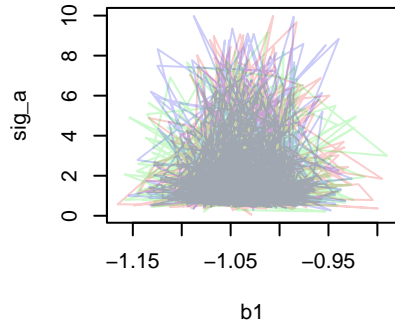
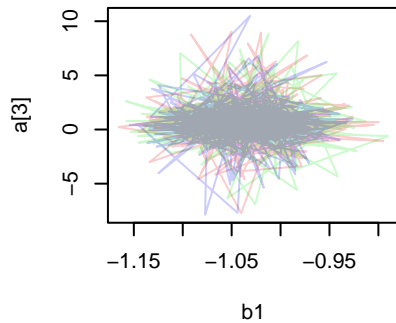
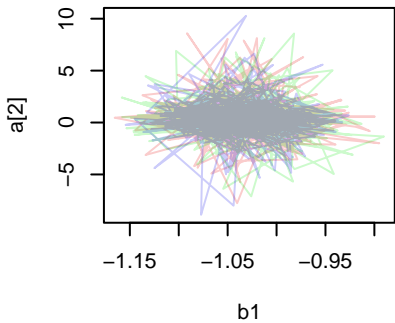


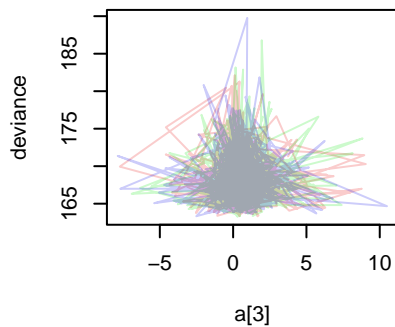
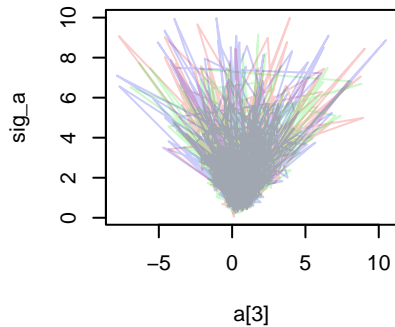
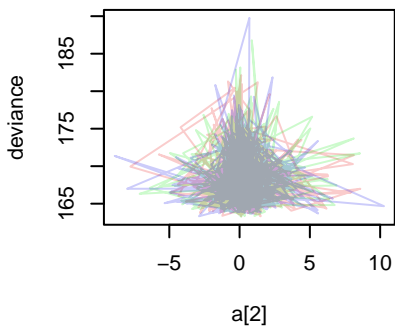
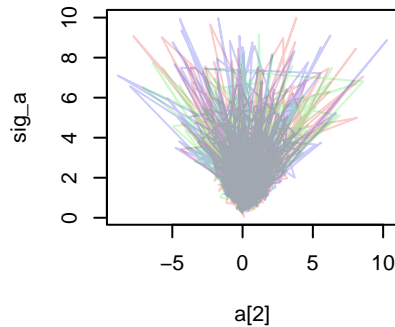
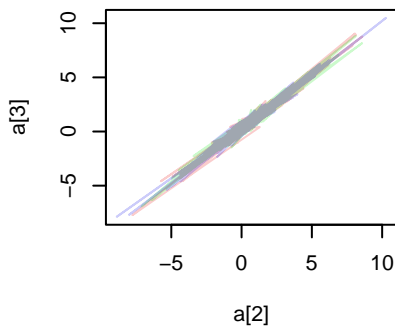
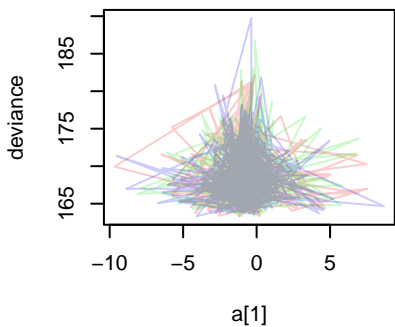
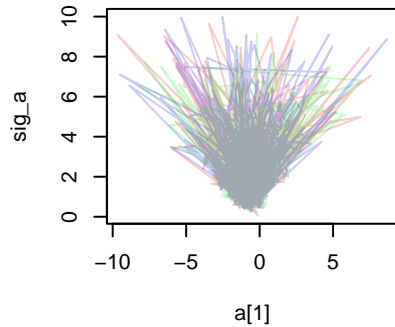
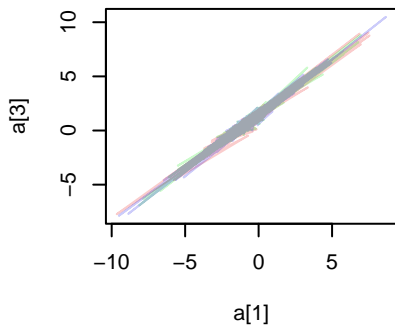
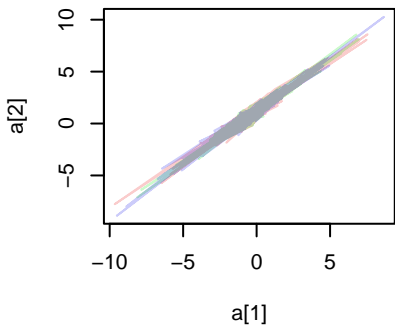


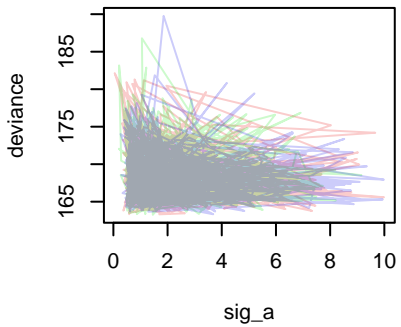


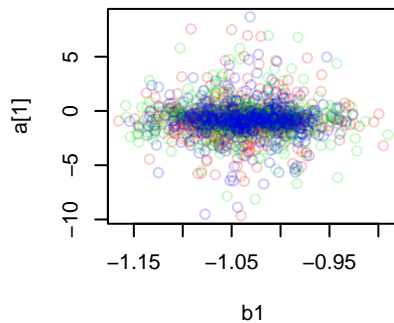
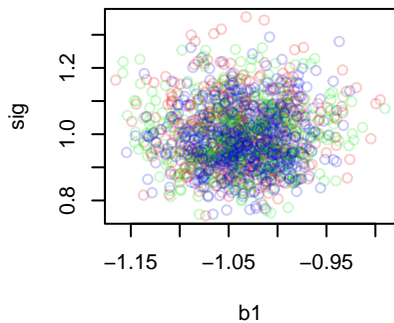
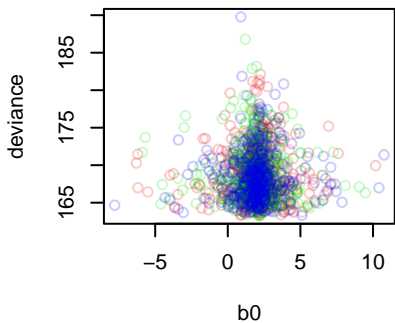
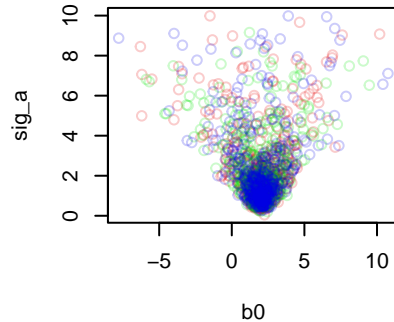
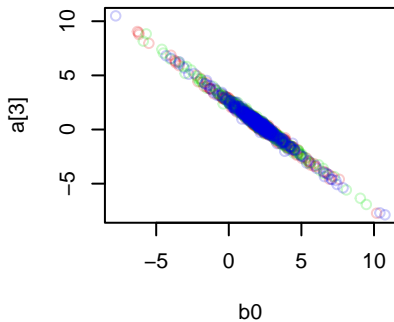
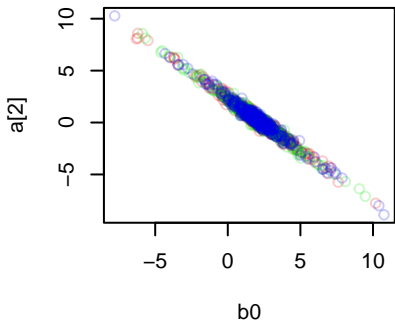
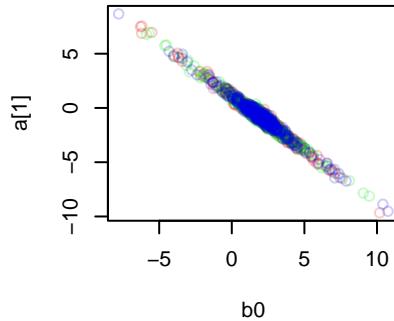
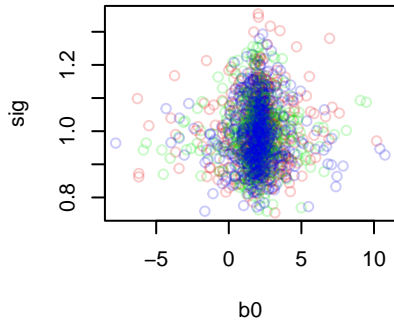
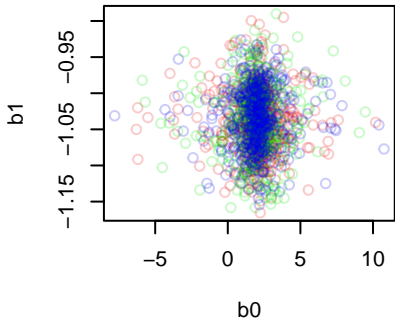


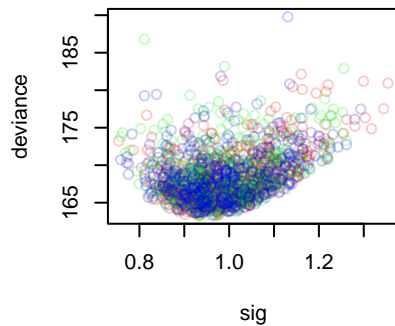
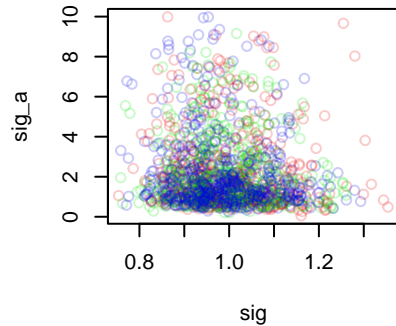
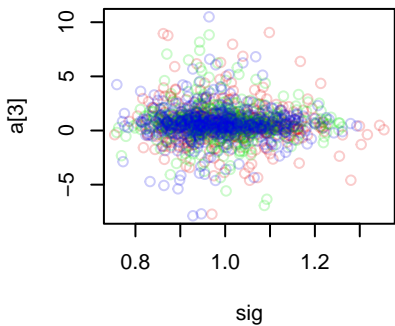
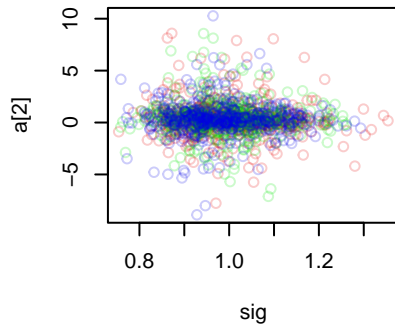
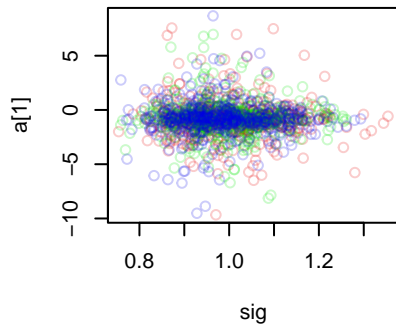
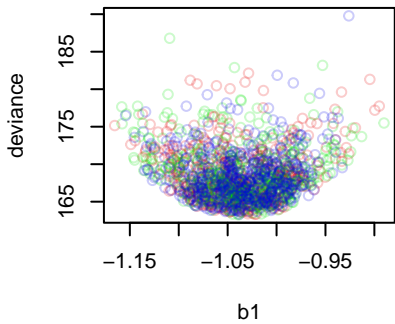
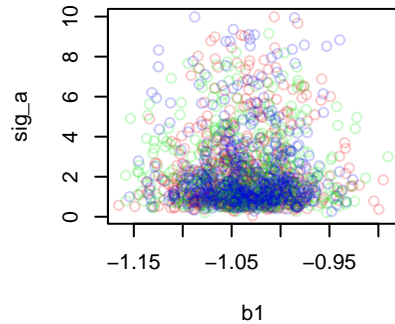
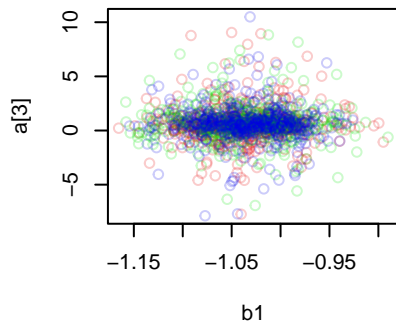
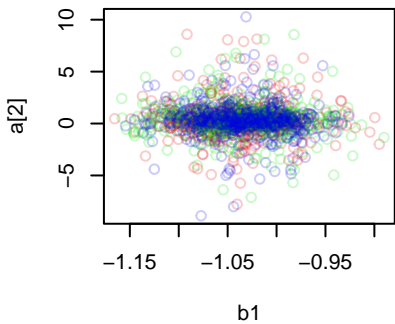


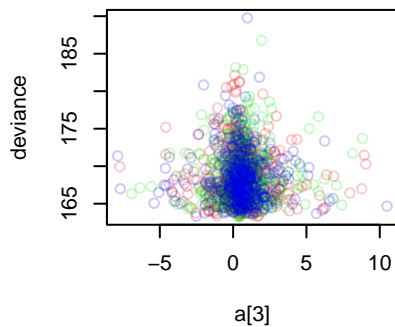
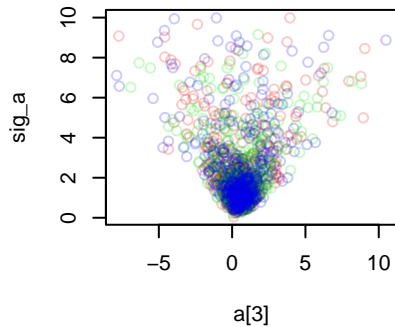
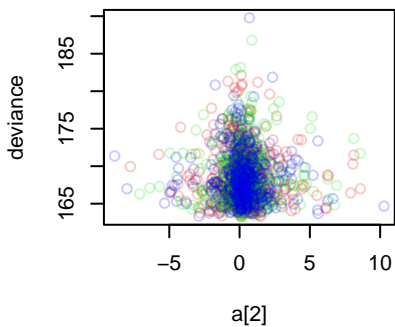
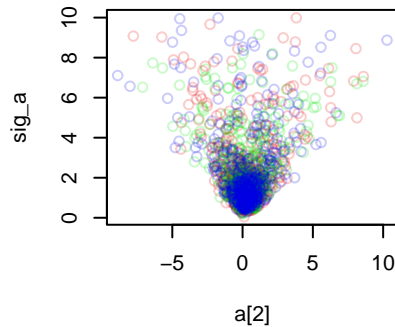
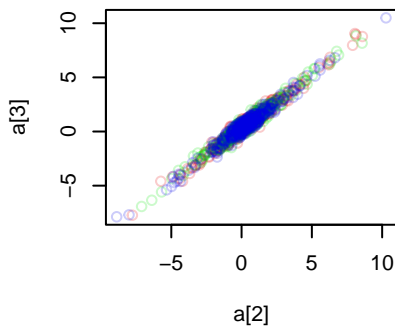
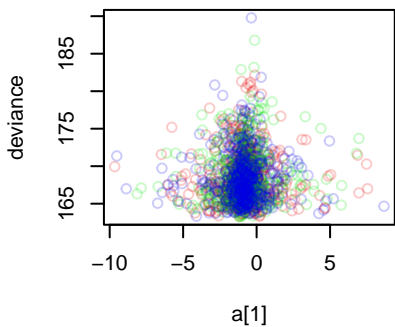
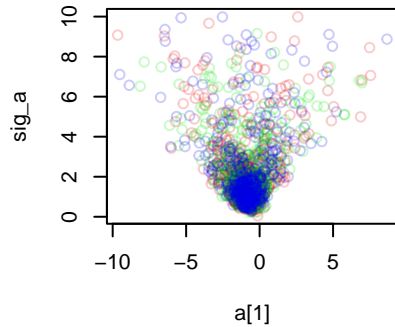
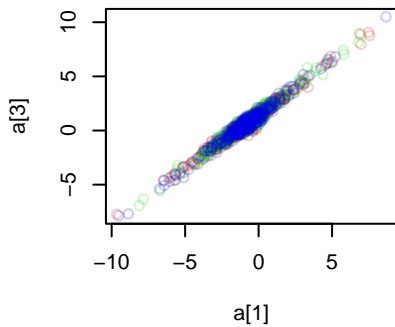
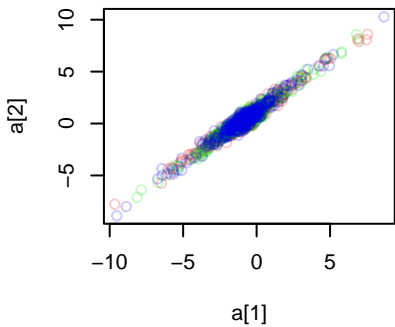


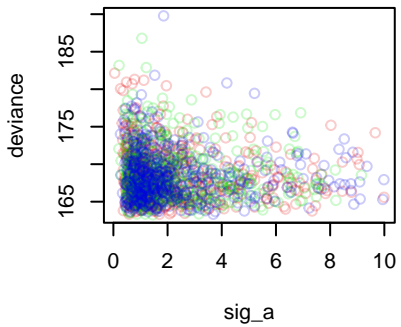


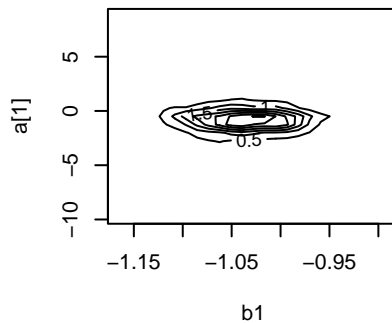
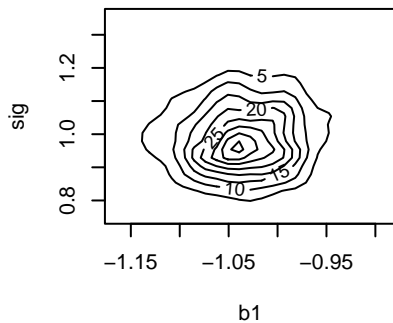
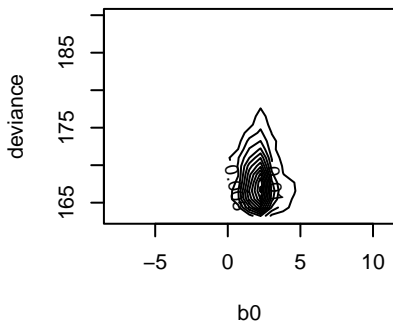
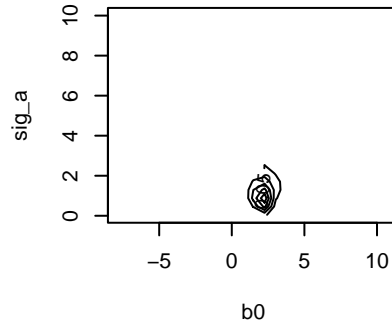
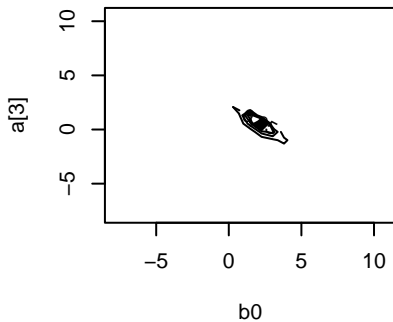
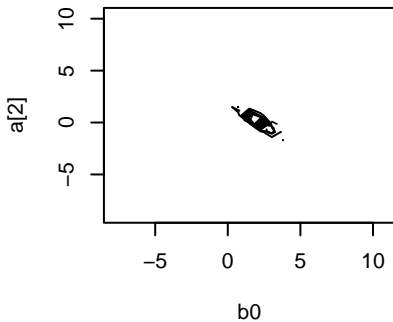
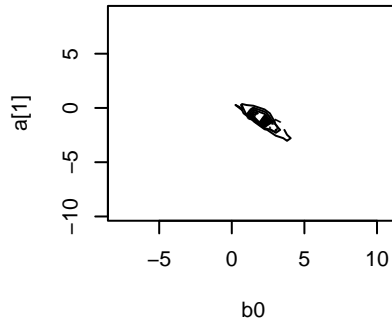
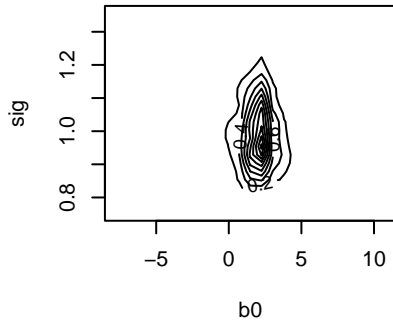
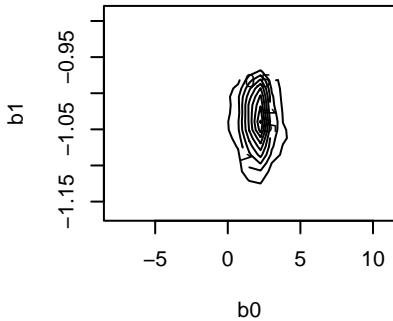


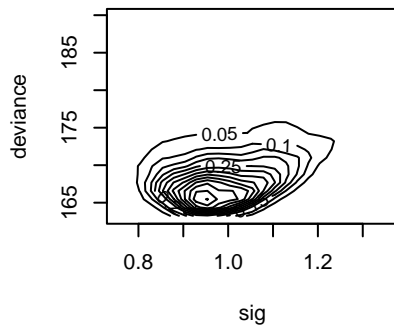
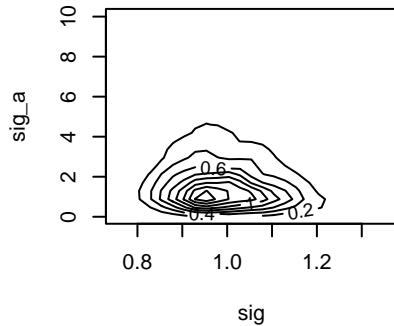
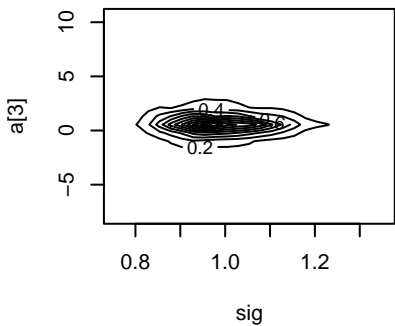
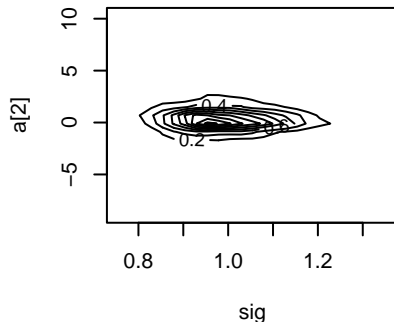
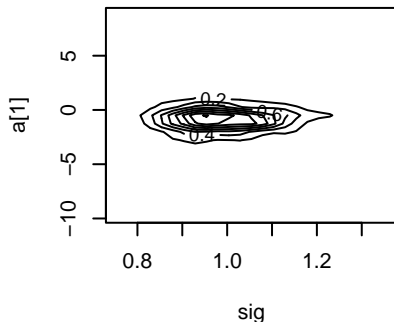
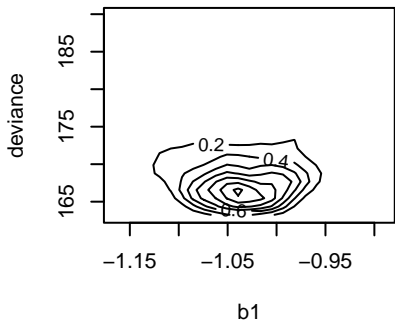
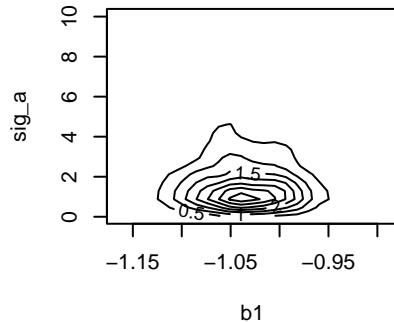
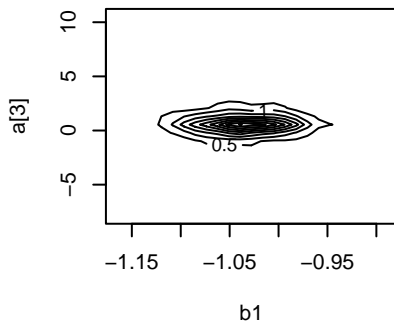
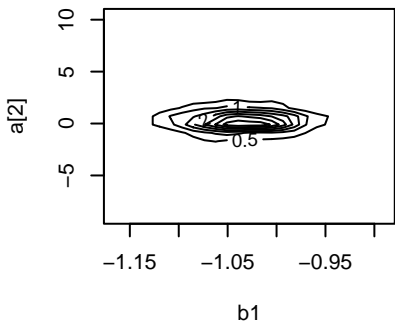


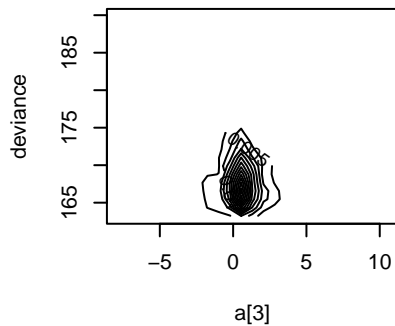
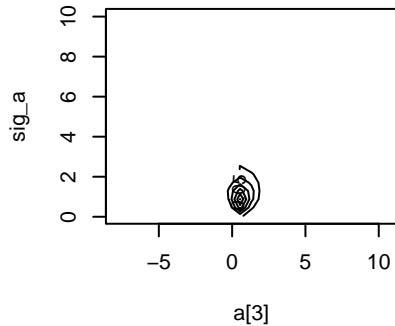
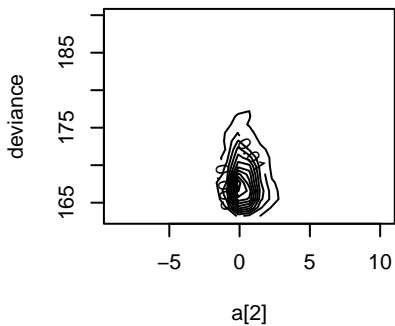
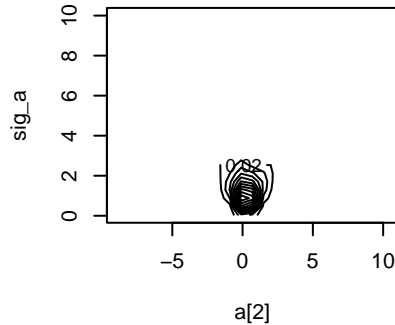
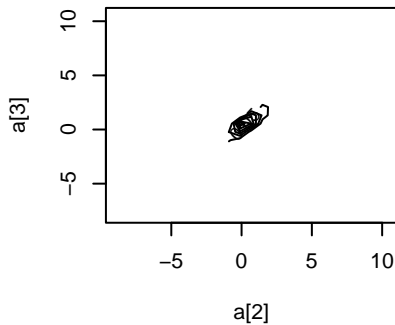
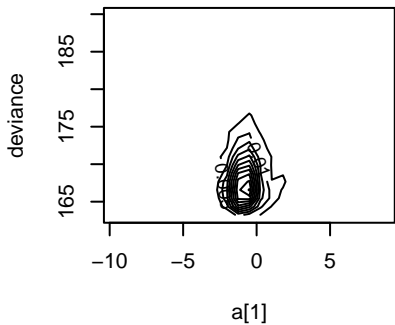
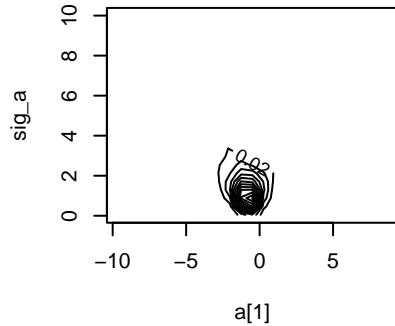
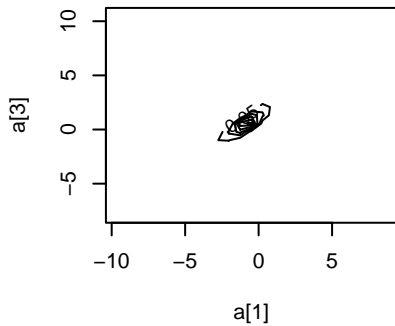
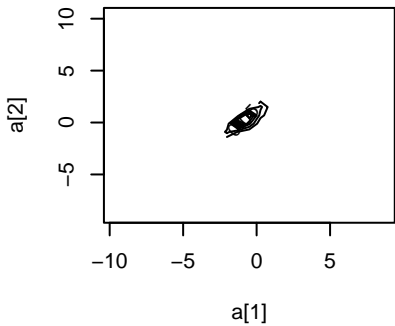


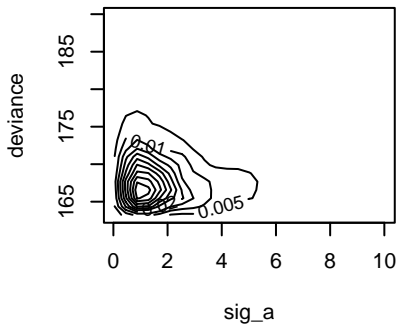


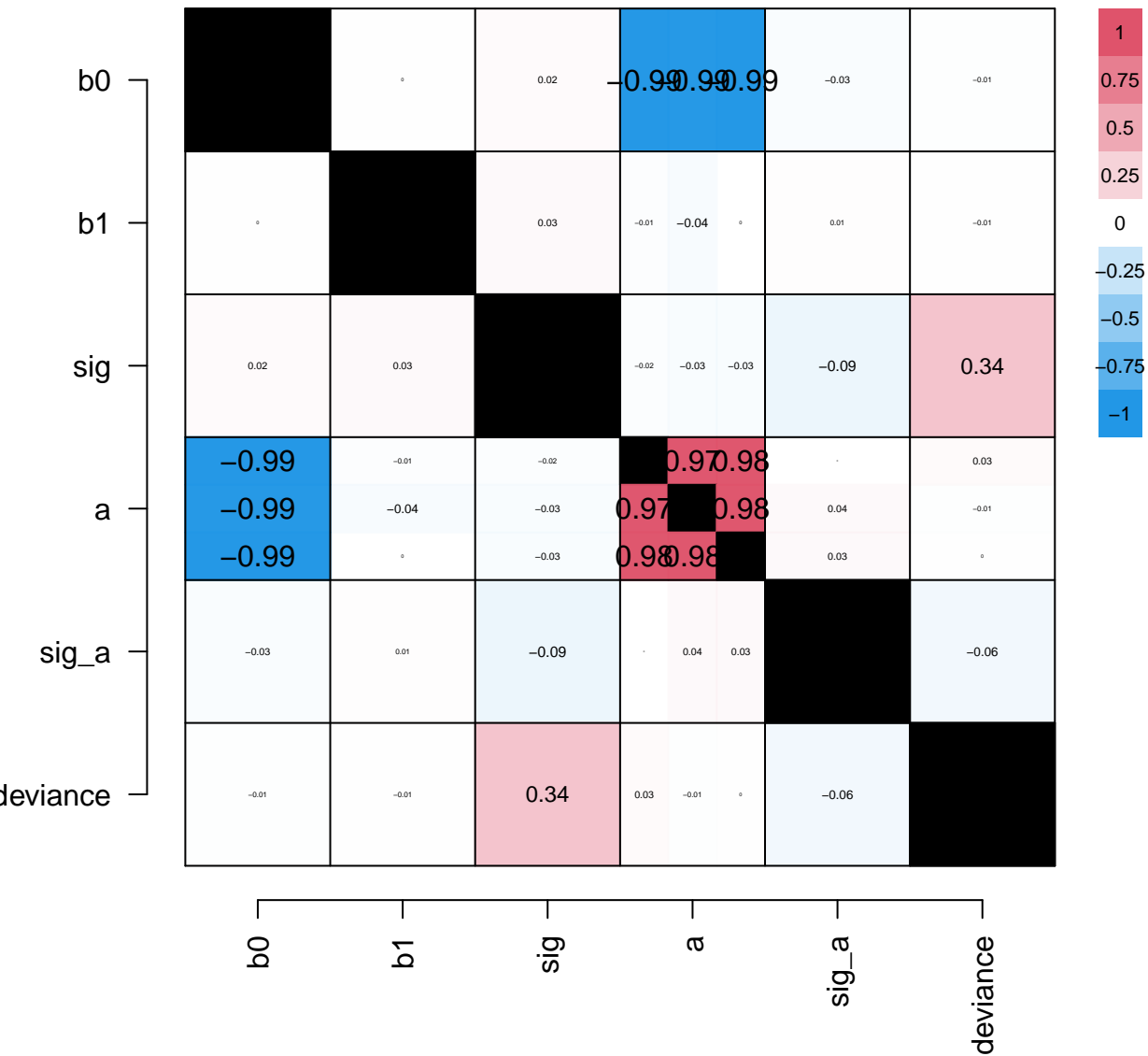


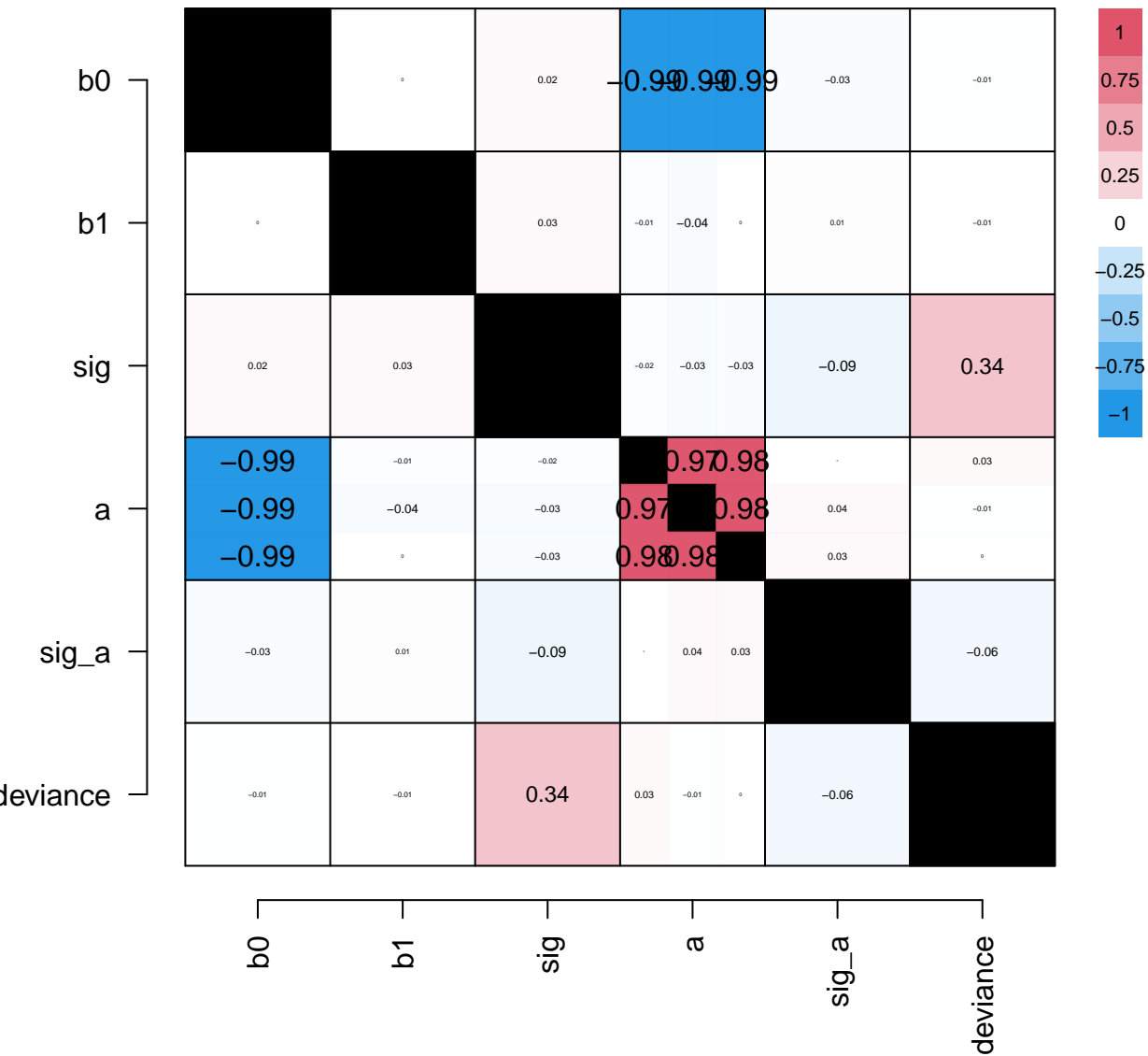


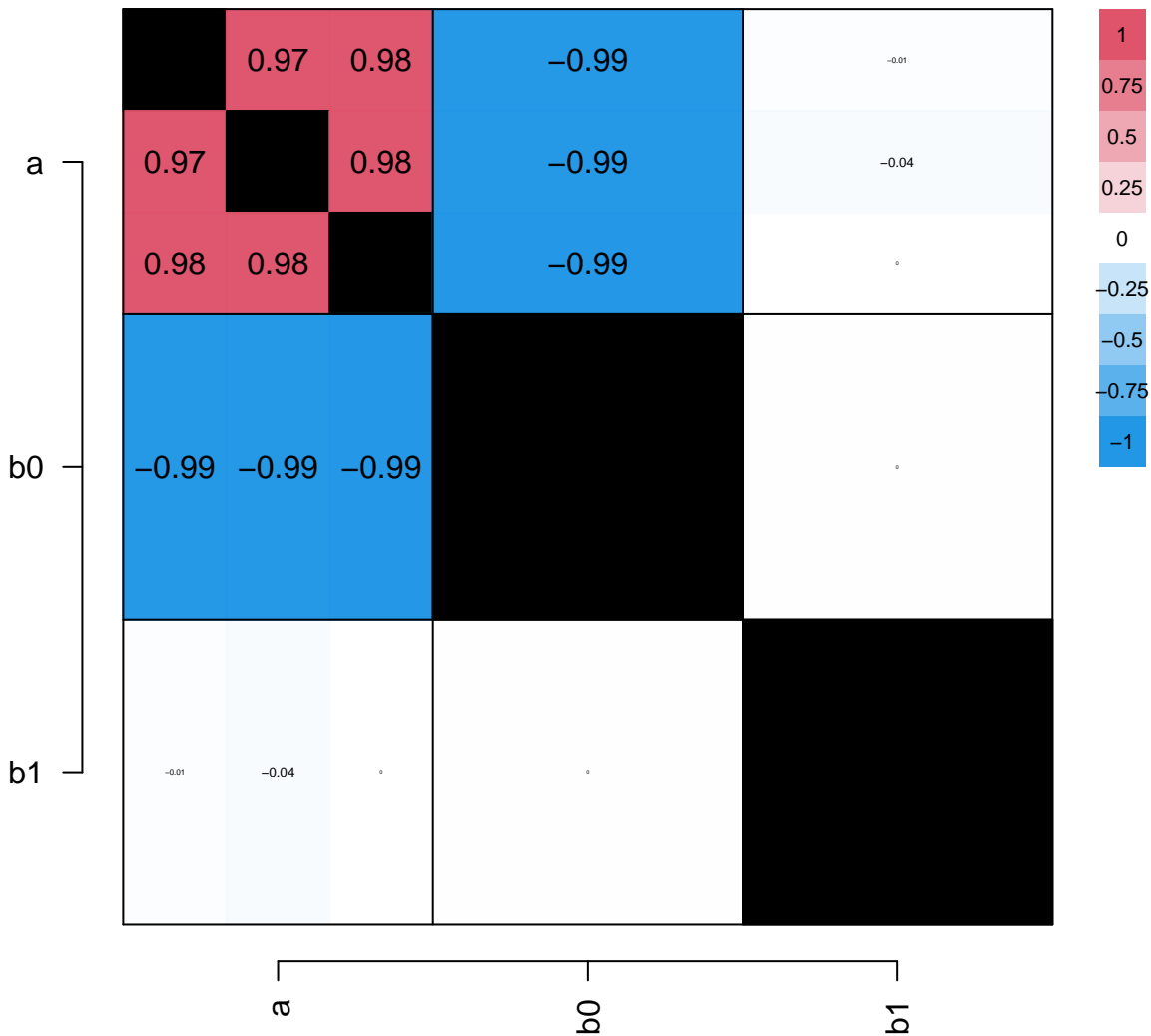


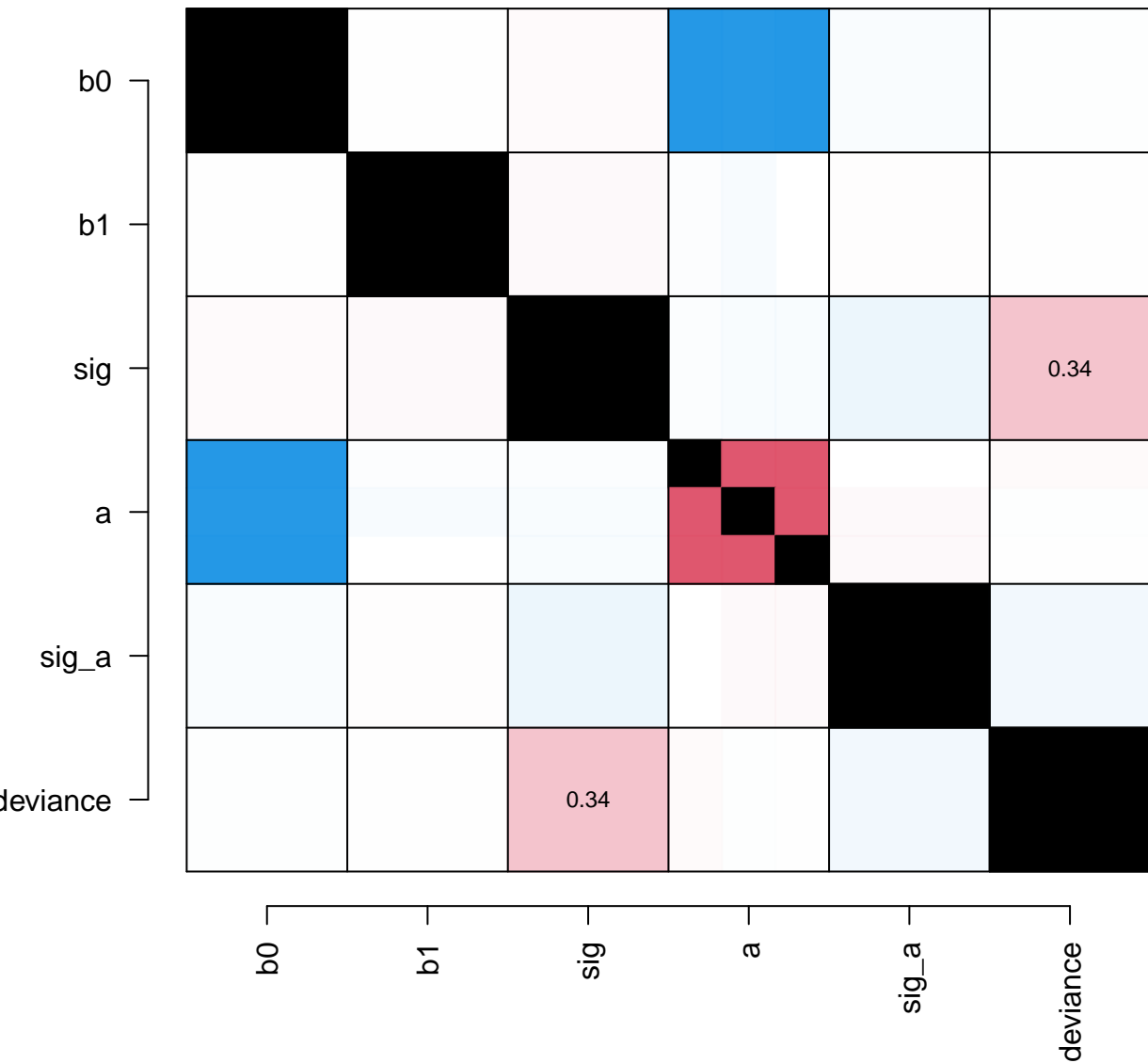




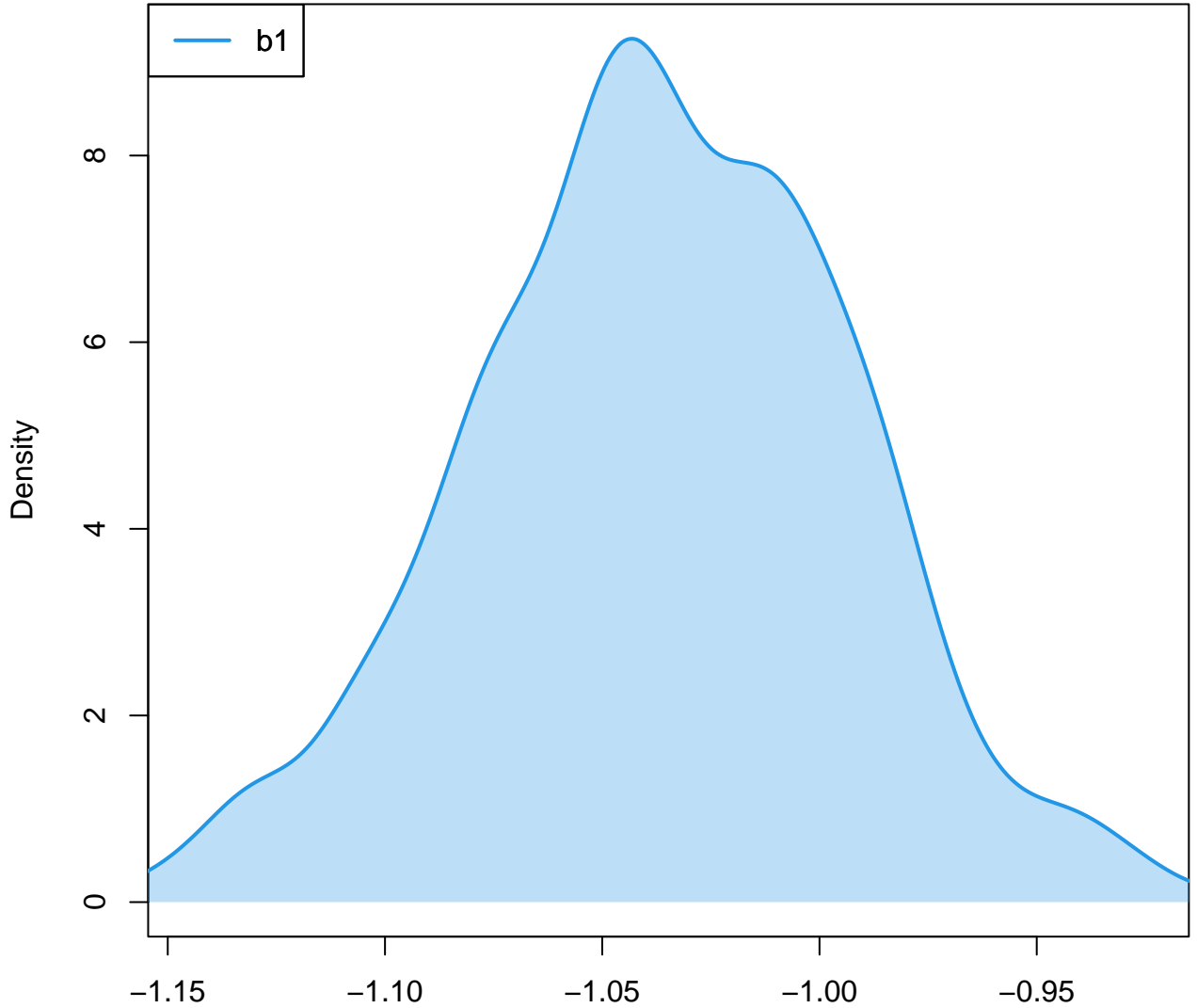




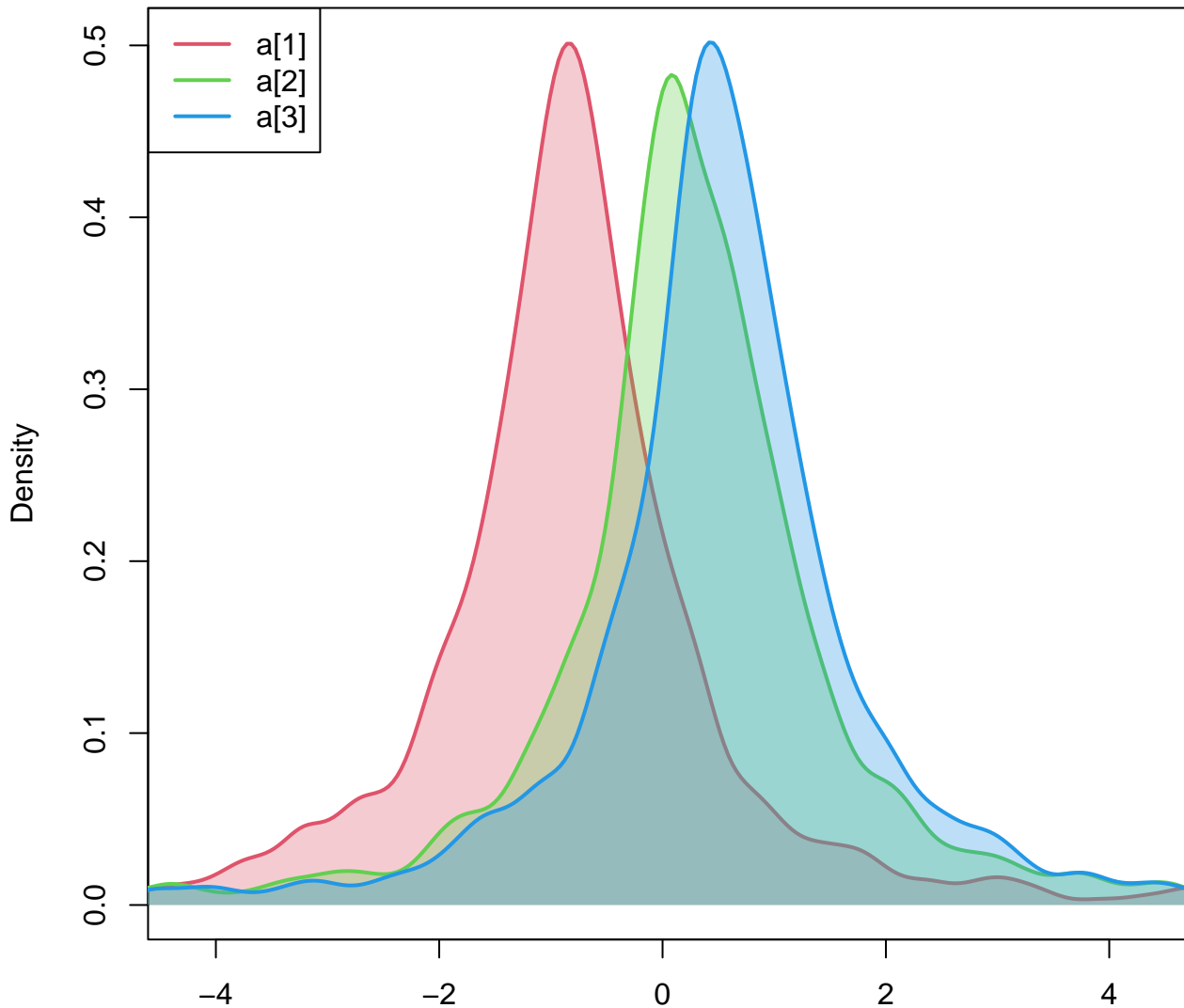


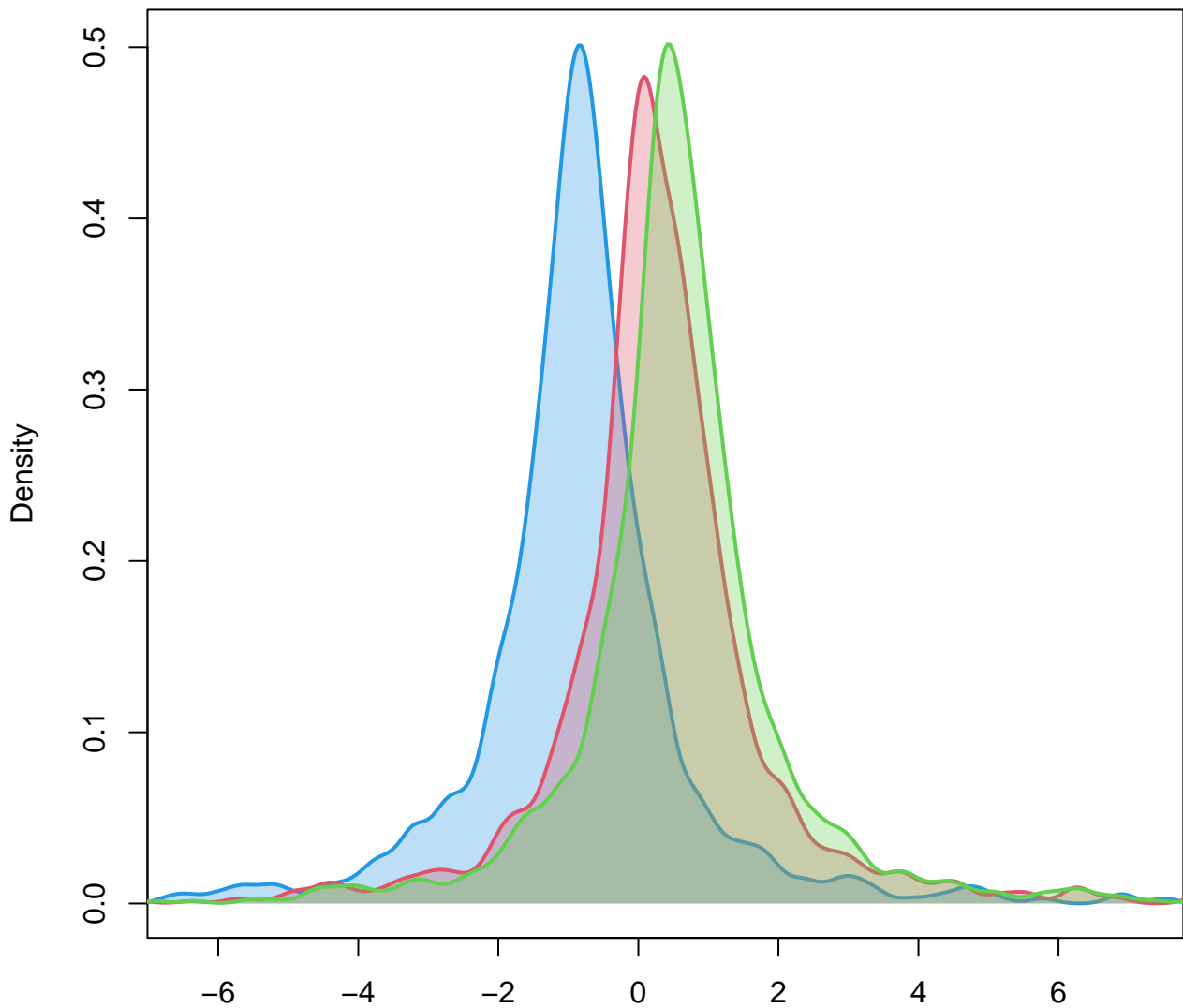


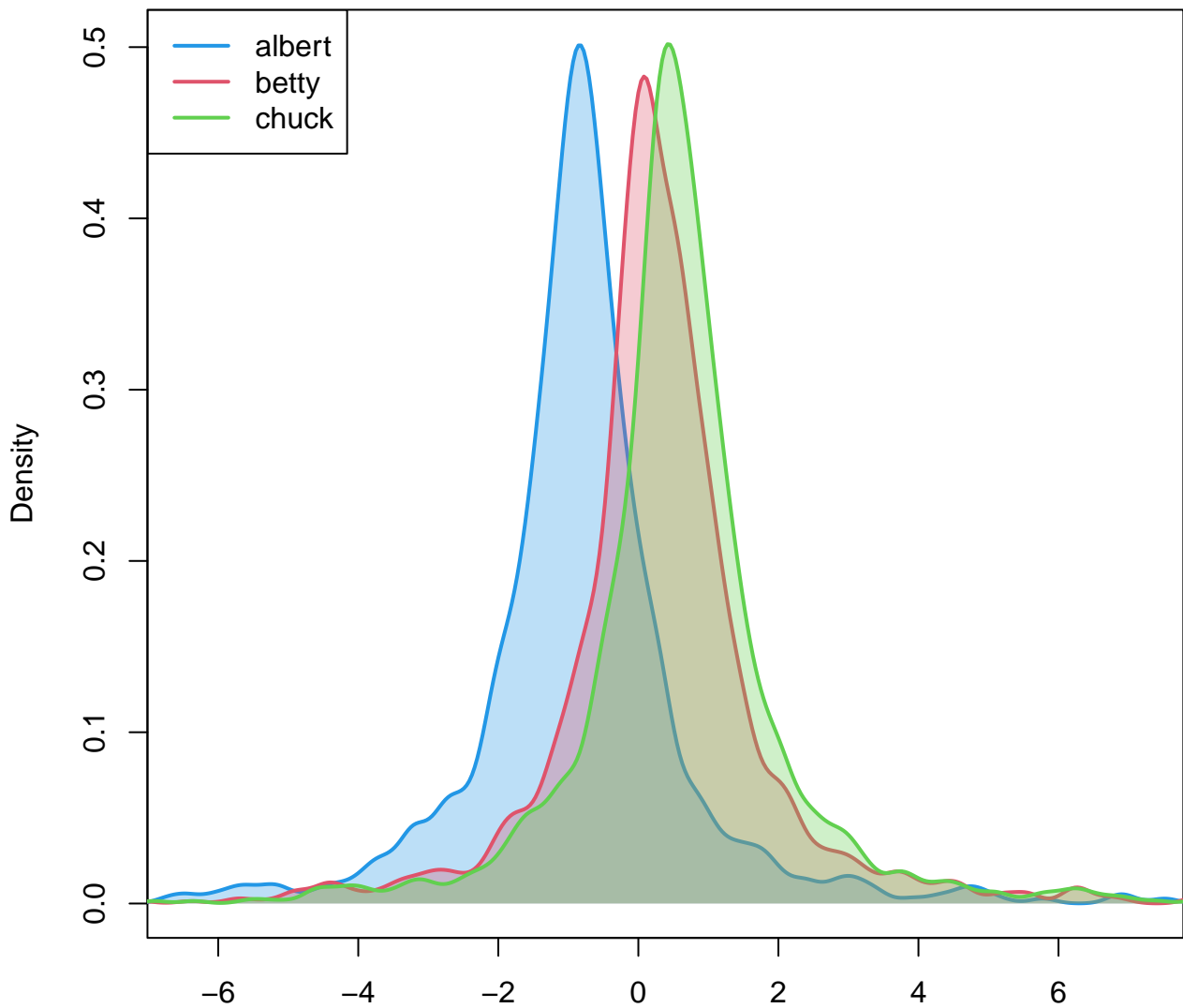
b1



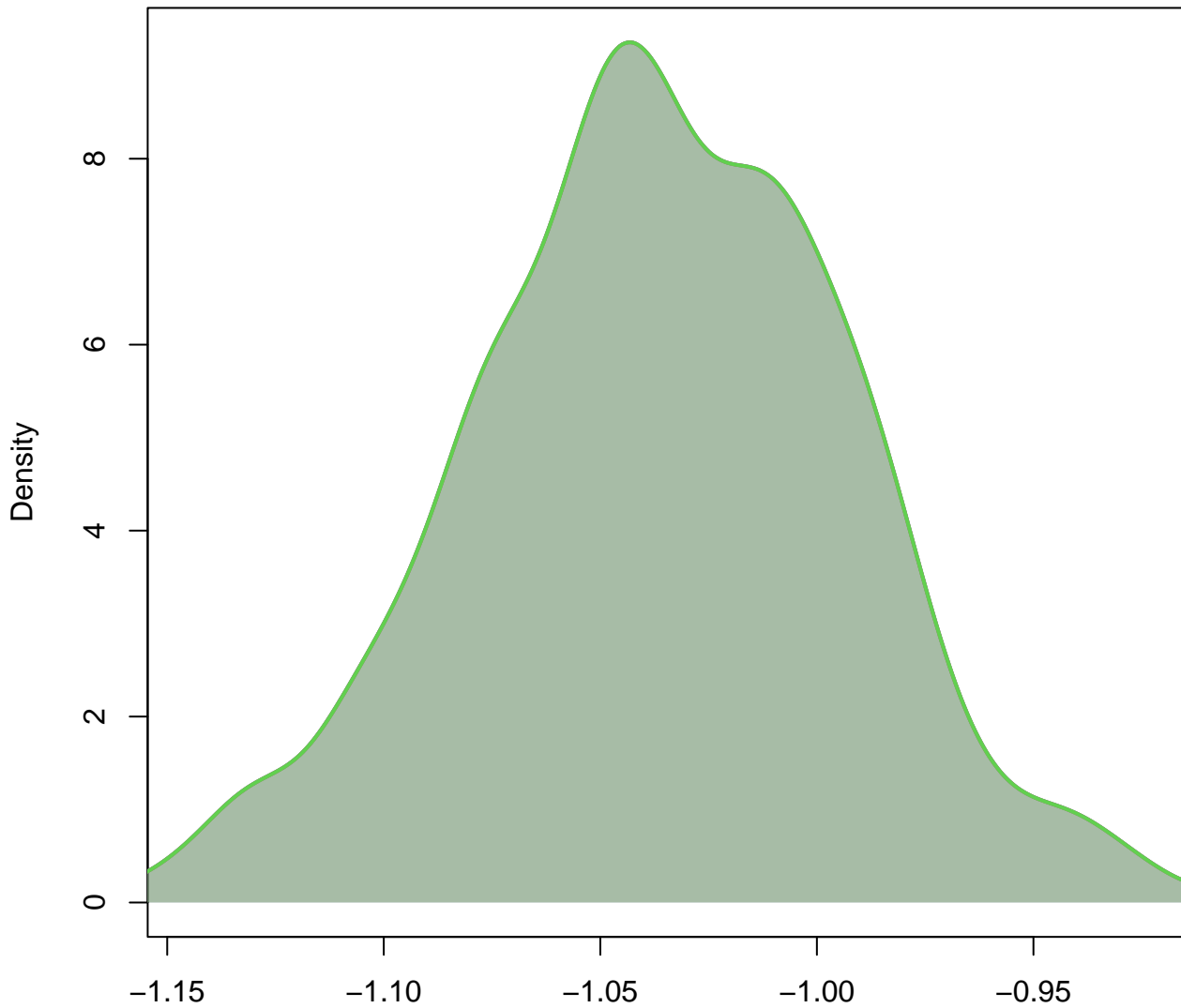
a

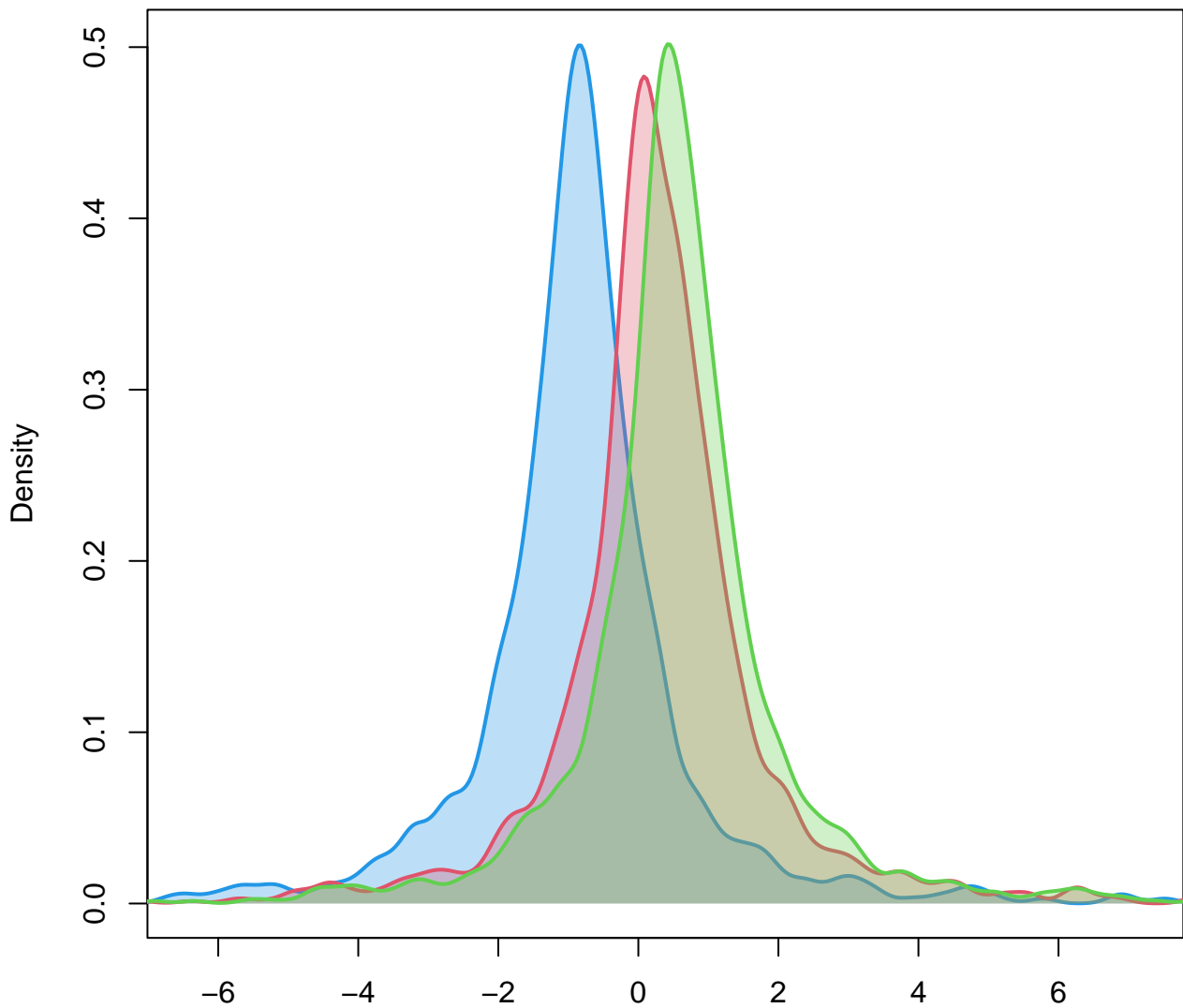


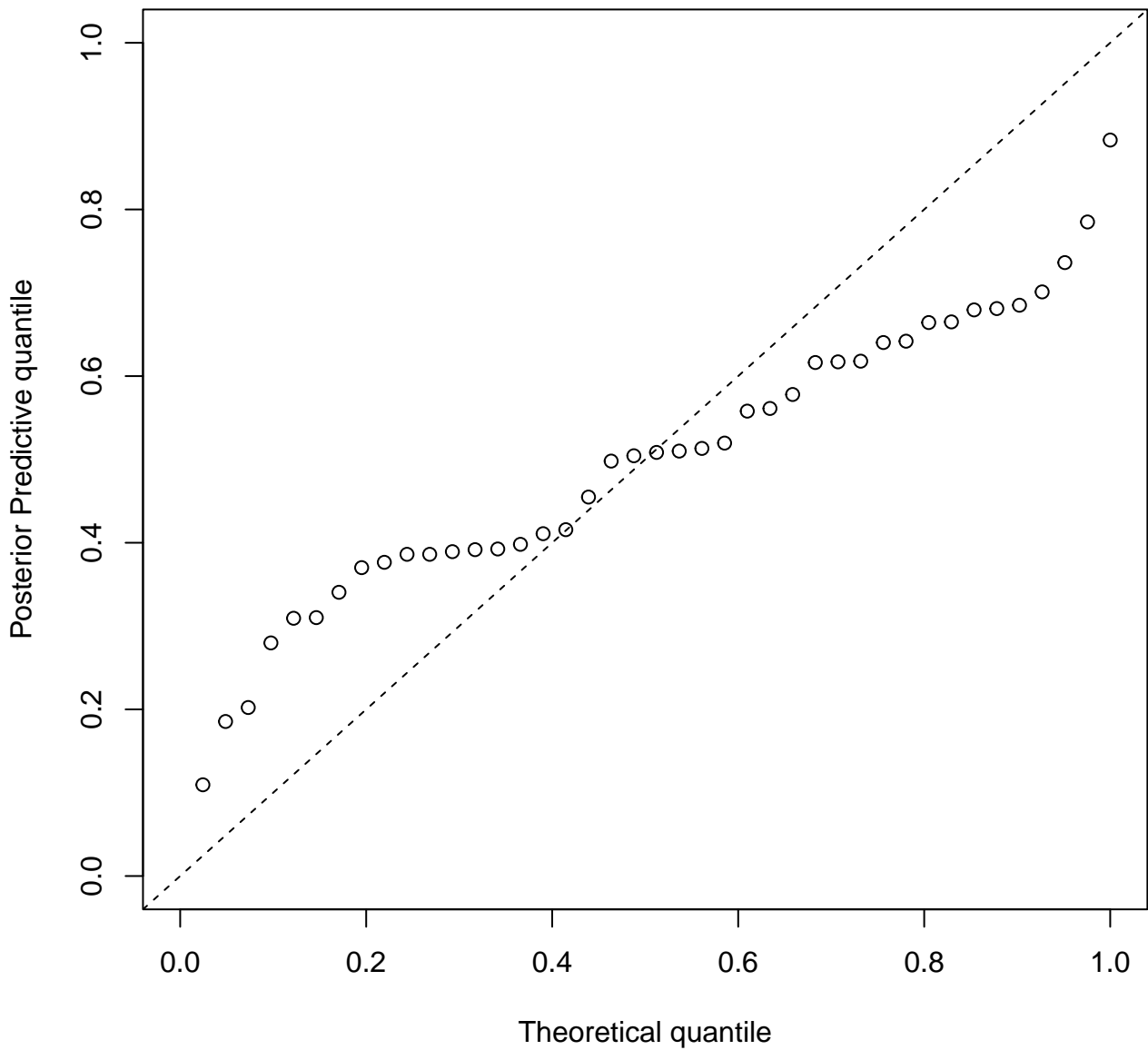


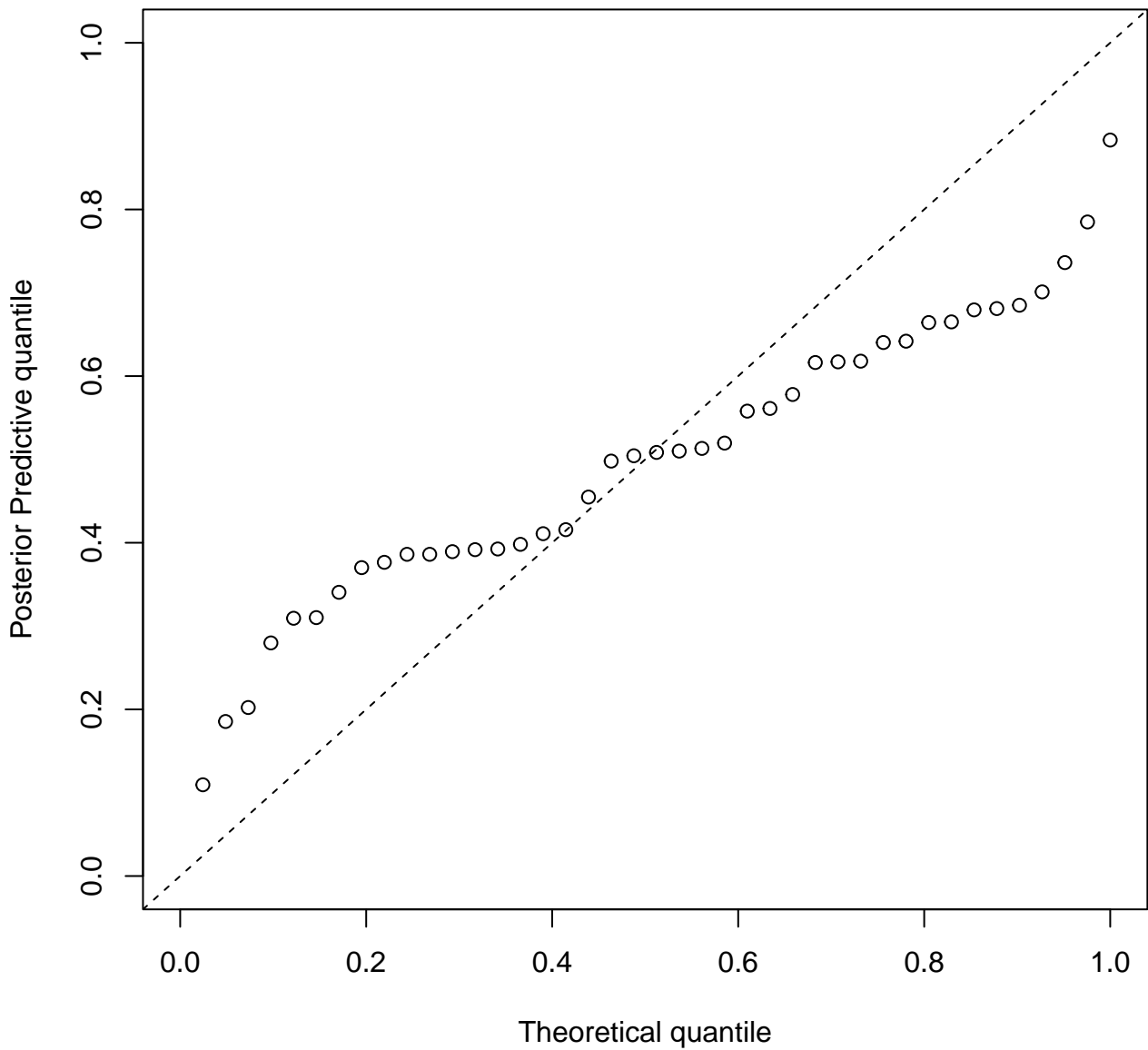


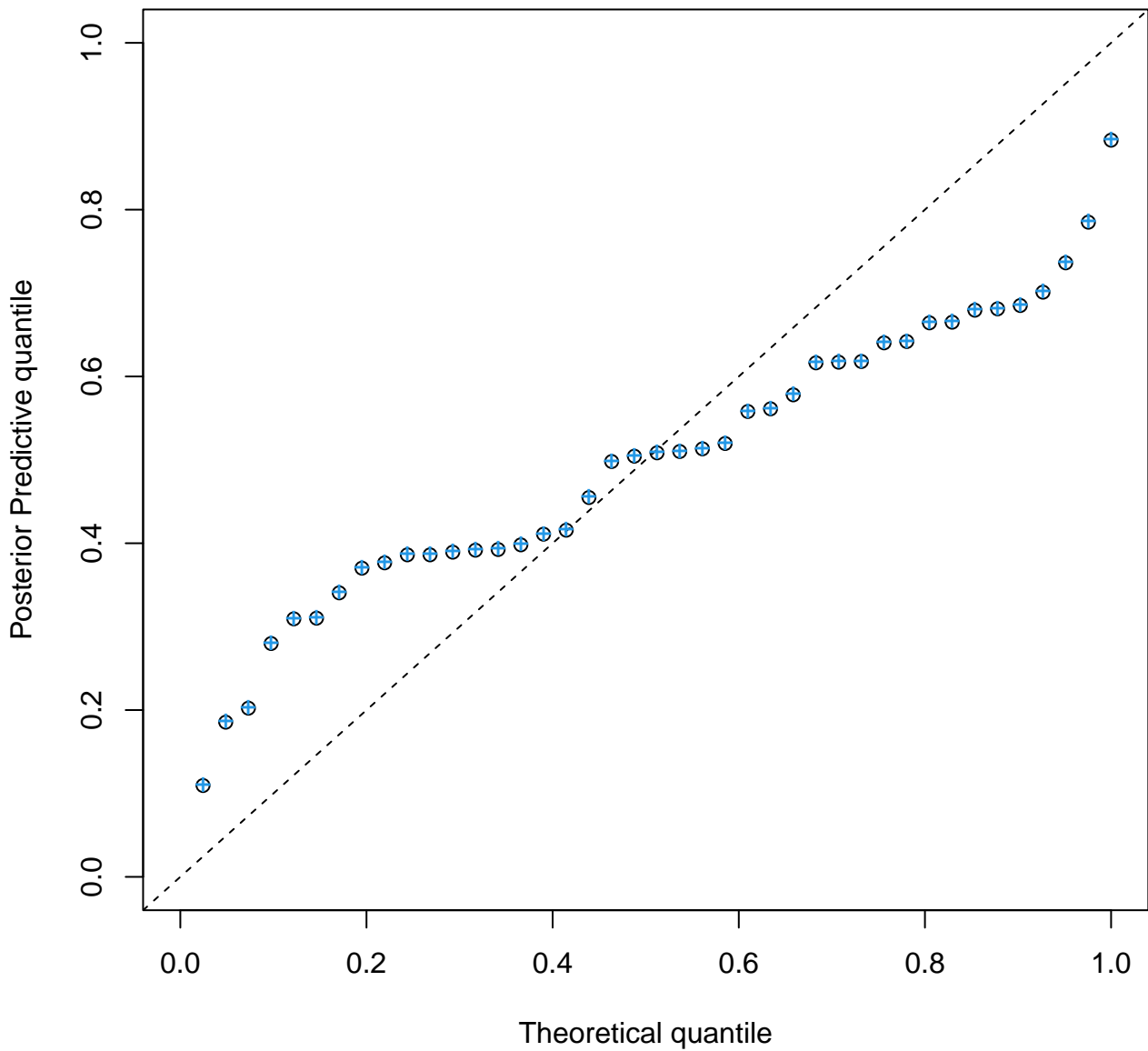
b1

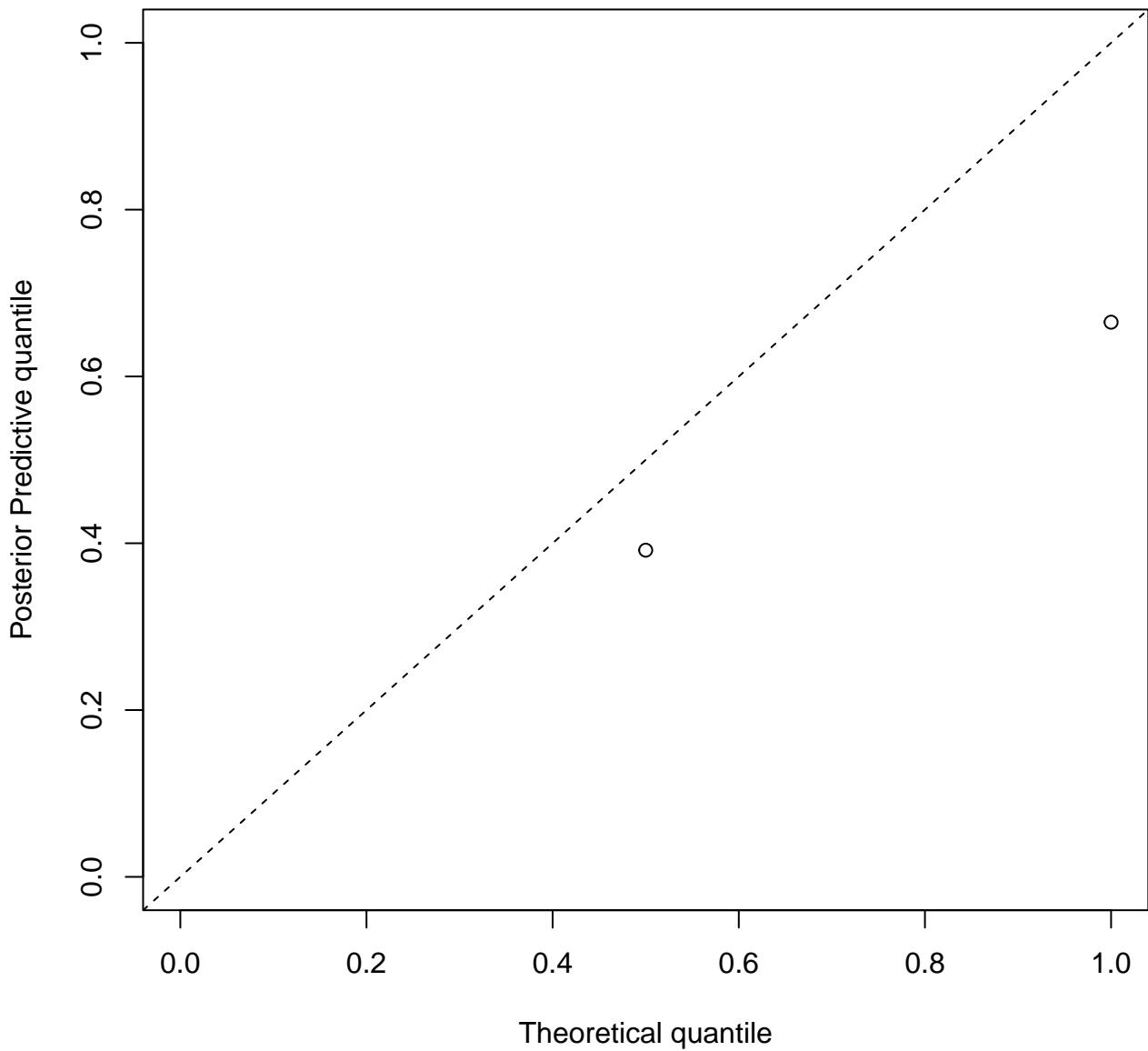


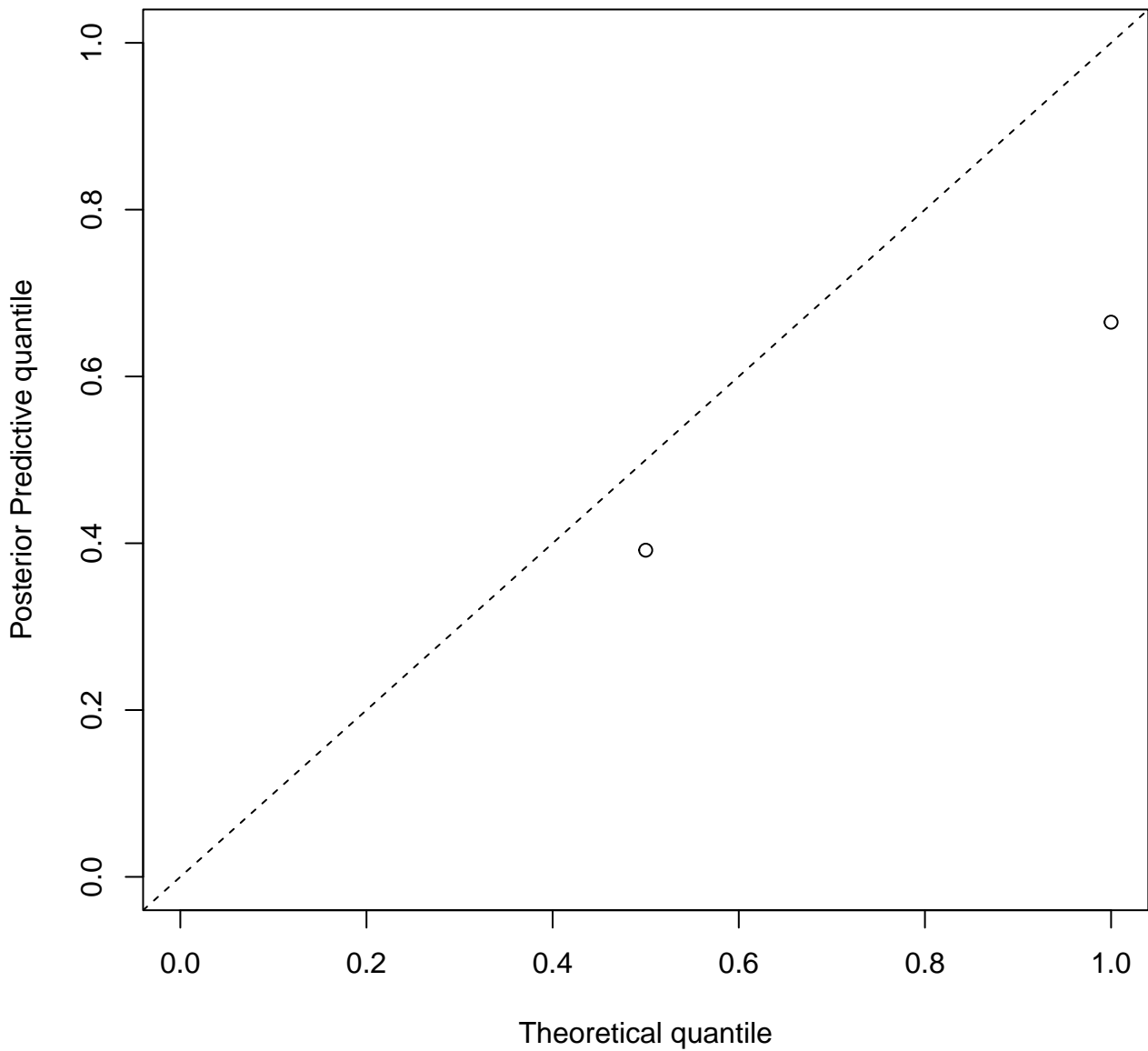




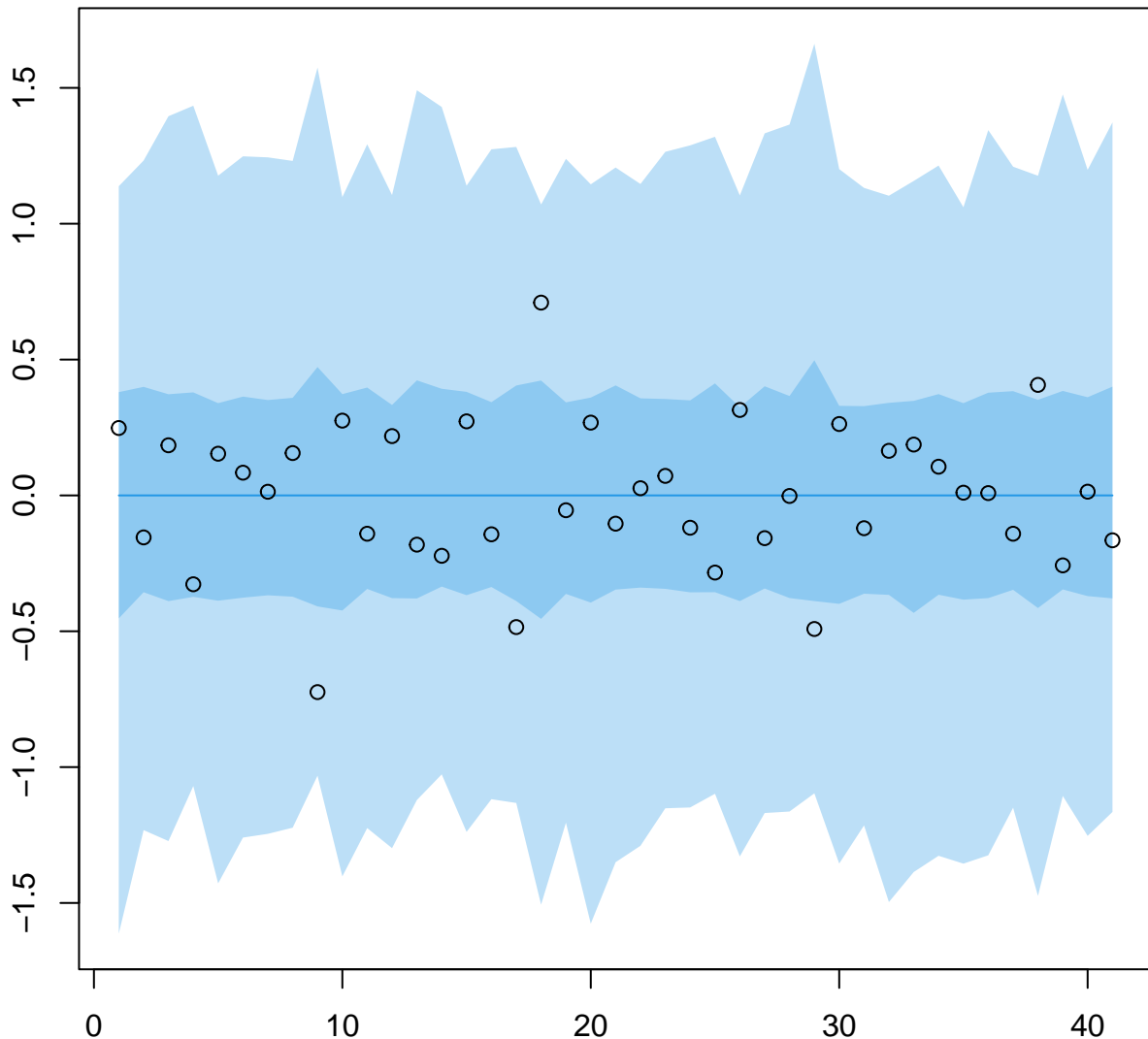




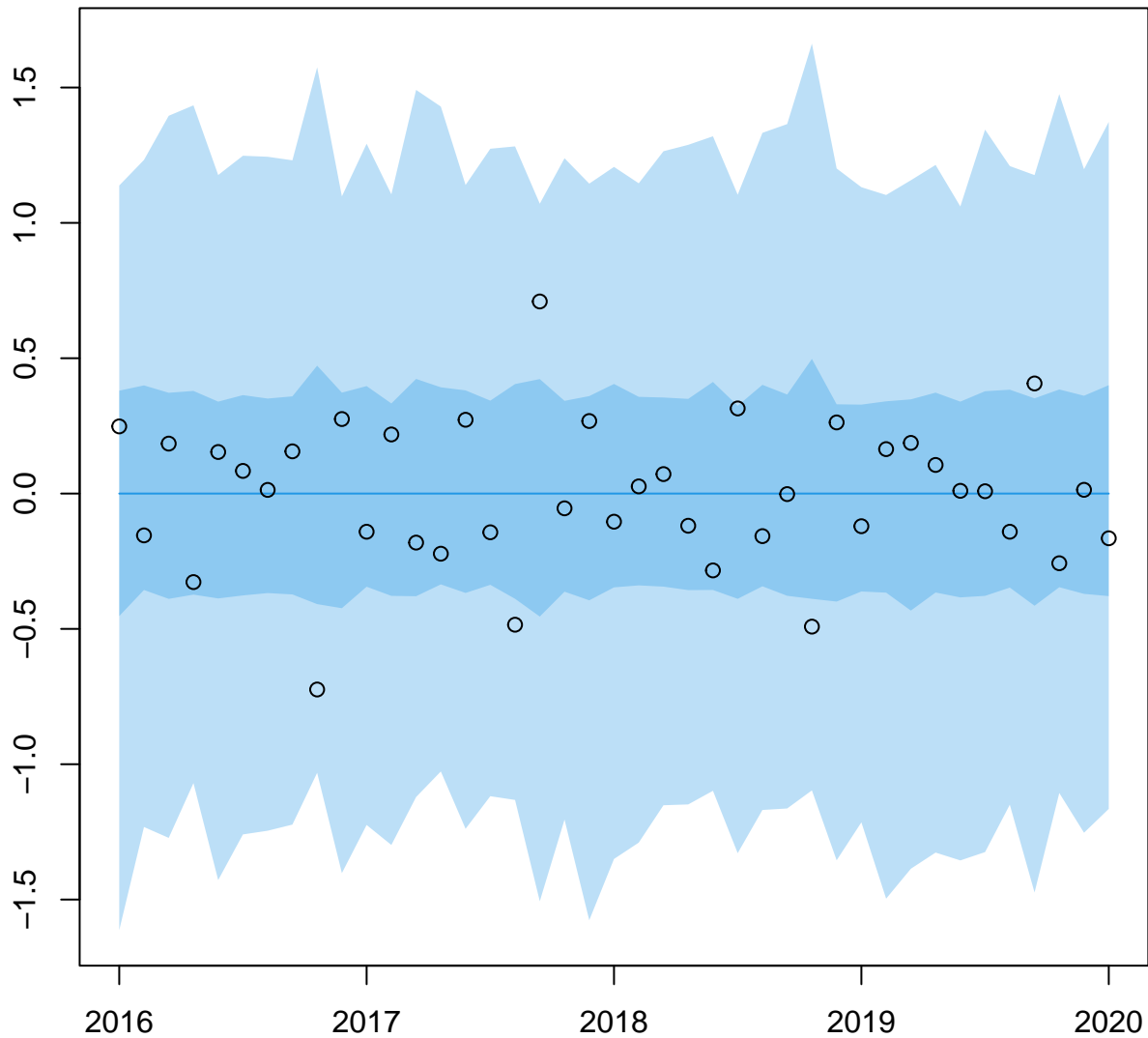




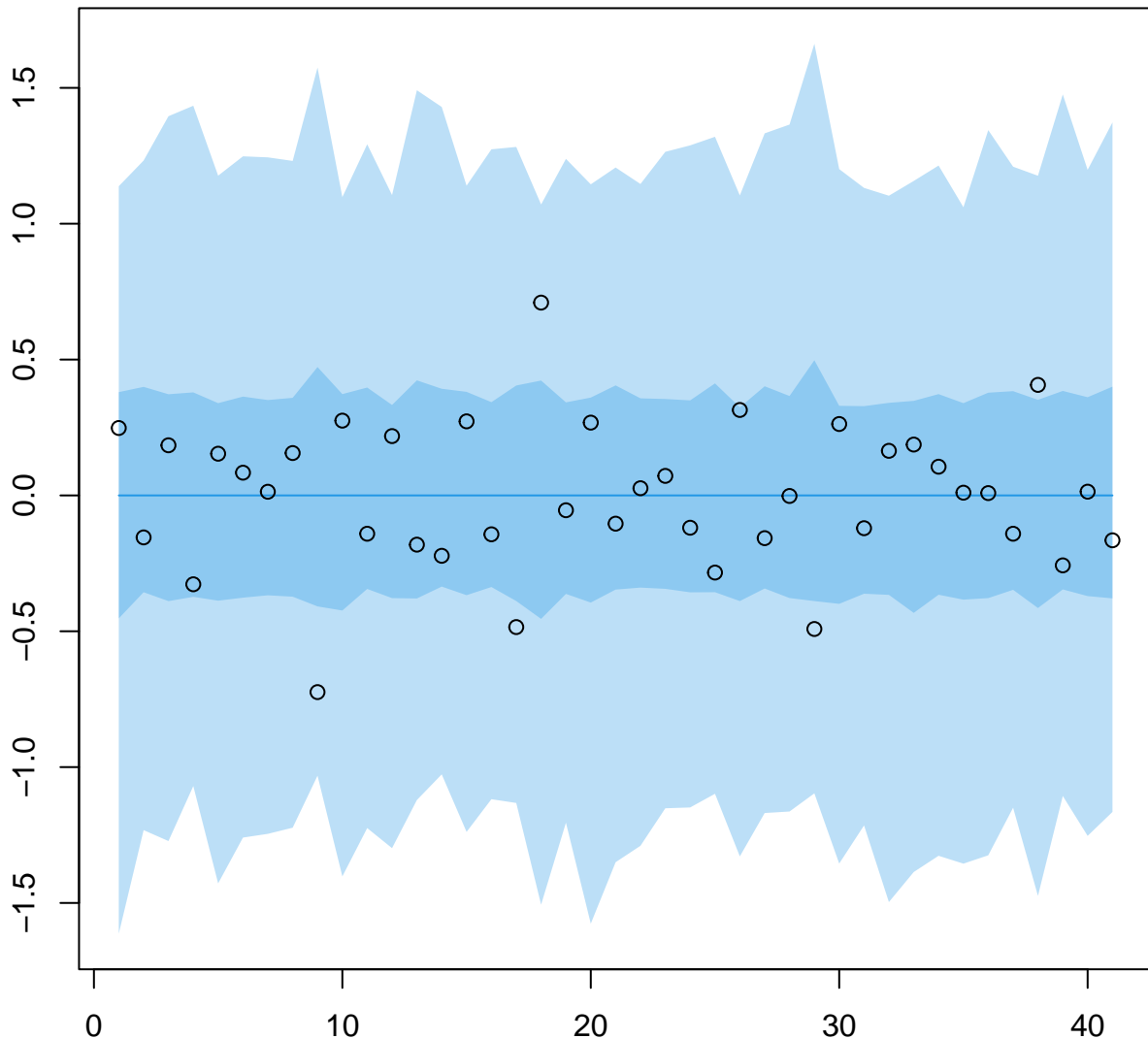
Diff from Post Pred Median



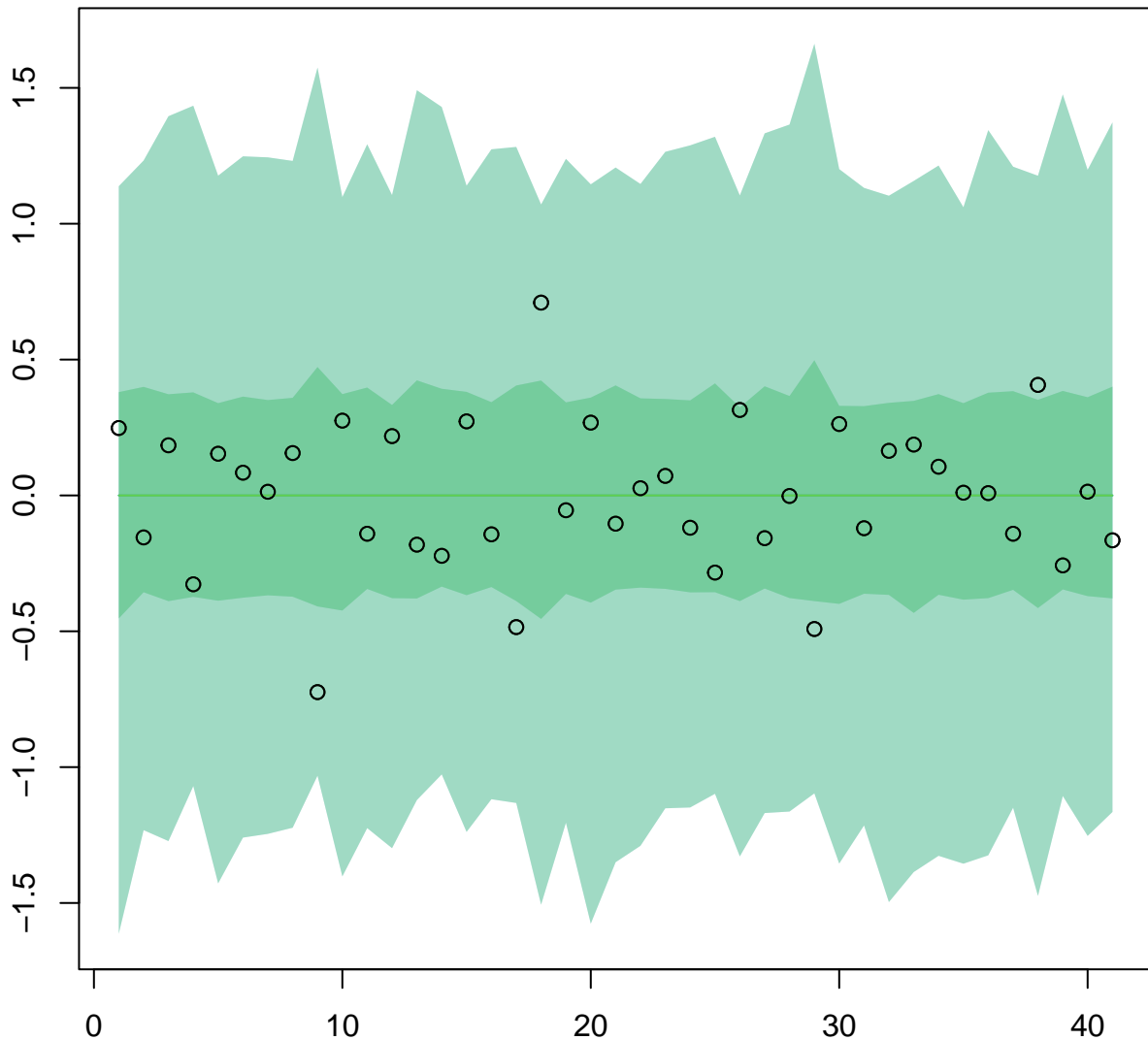
Diff from Post Pred Median

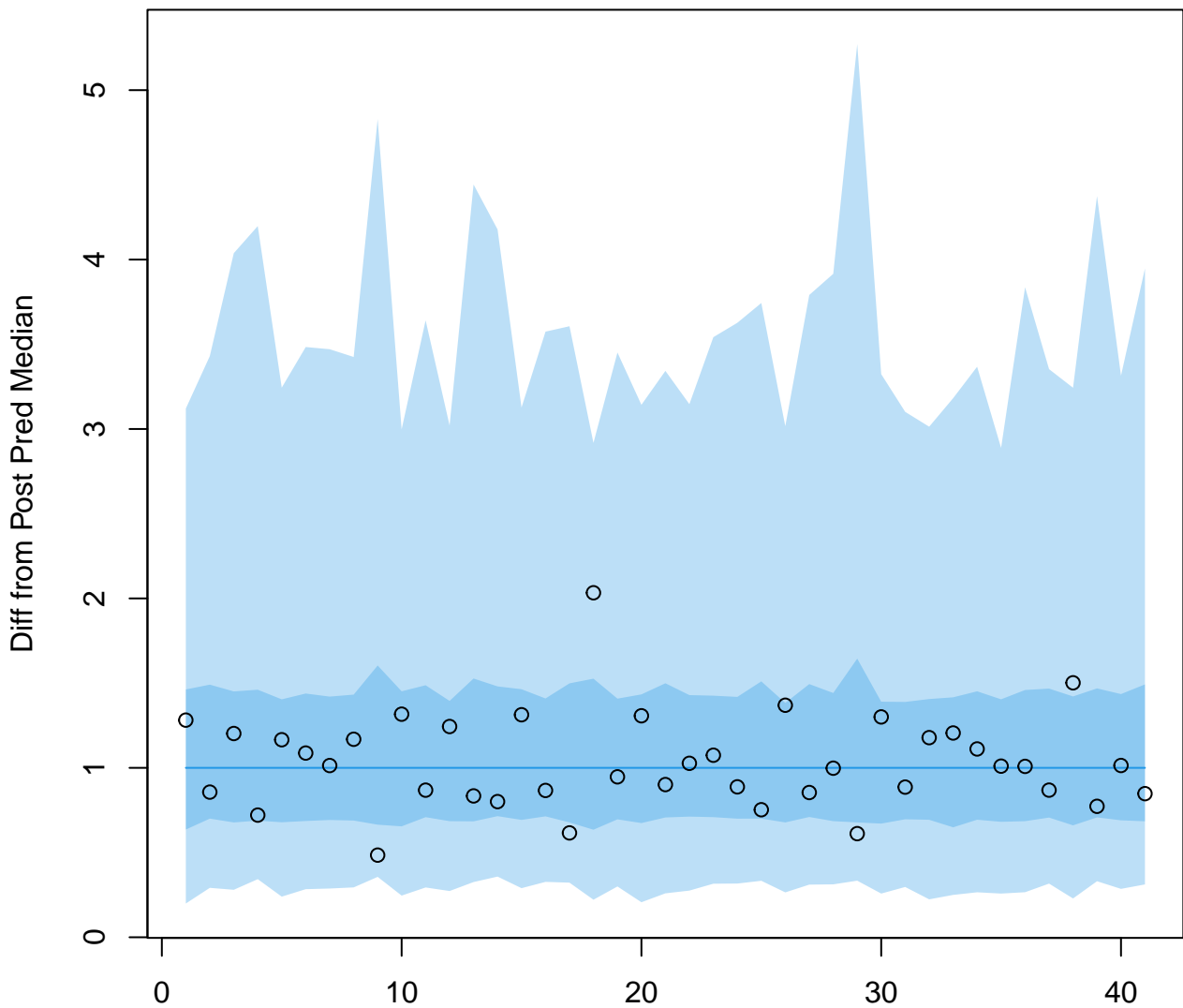


Diff from Post Pred Median

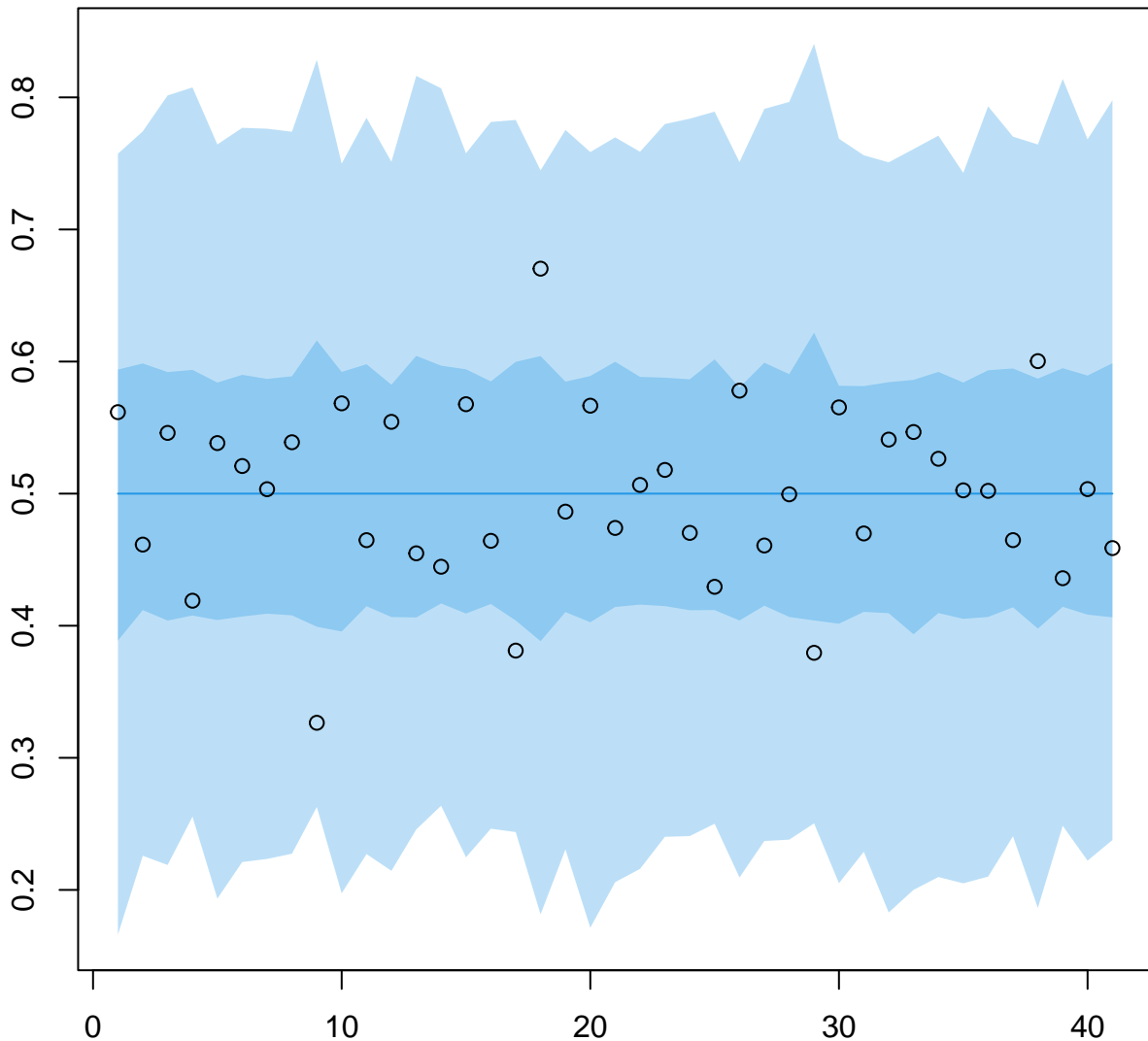


Diff from Post Pred Median

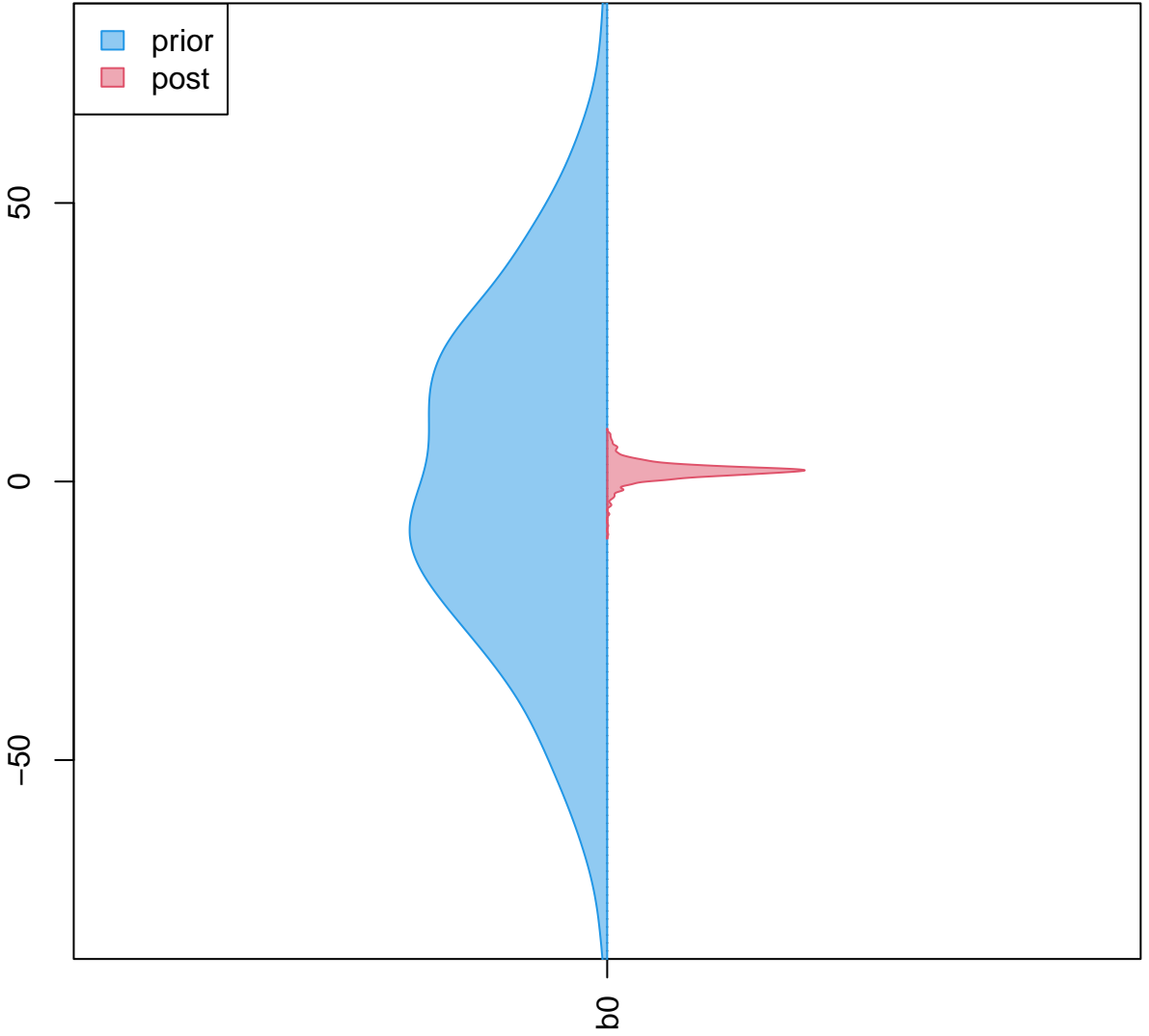




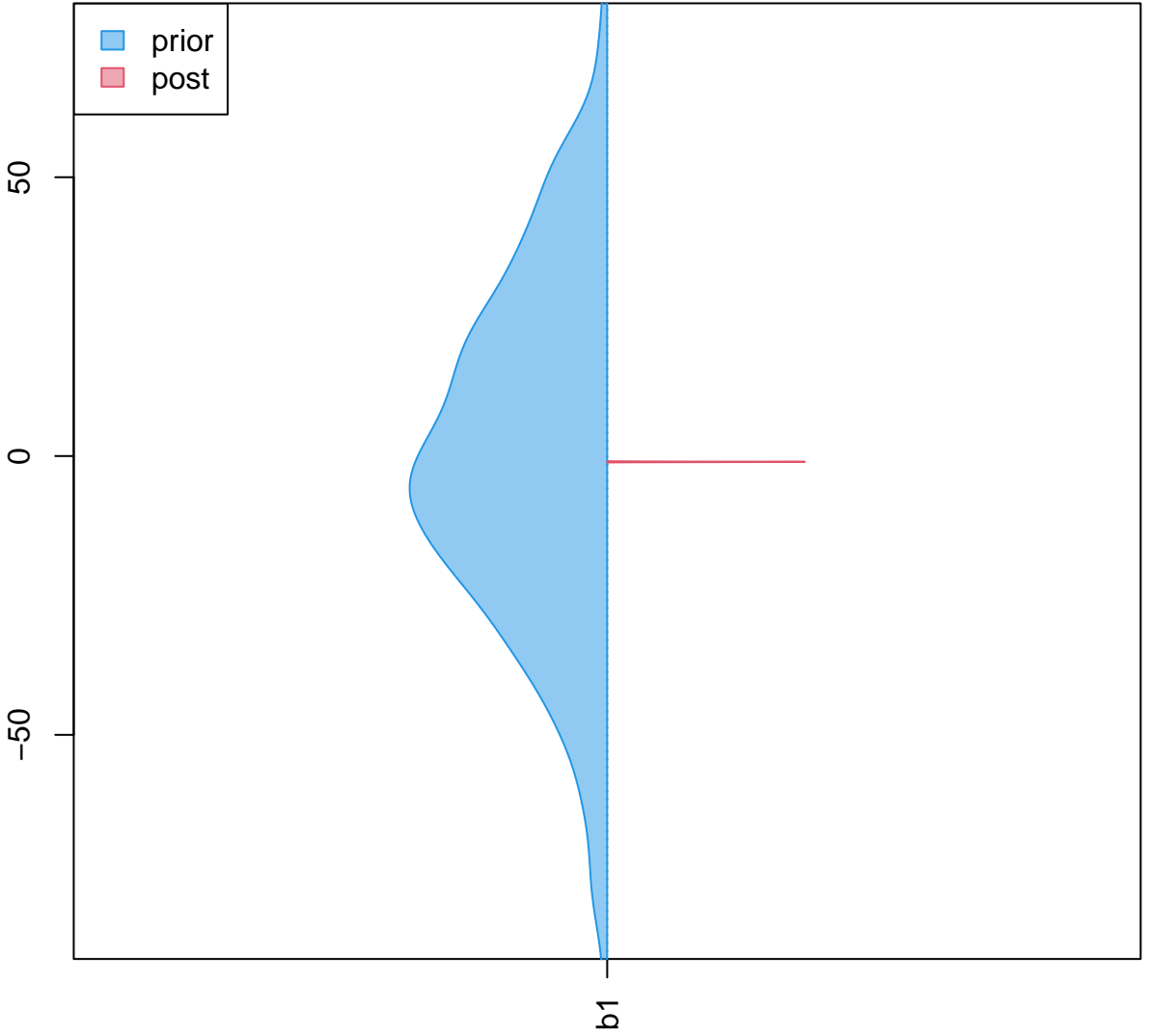
Diff from Post Pred Median



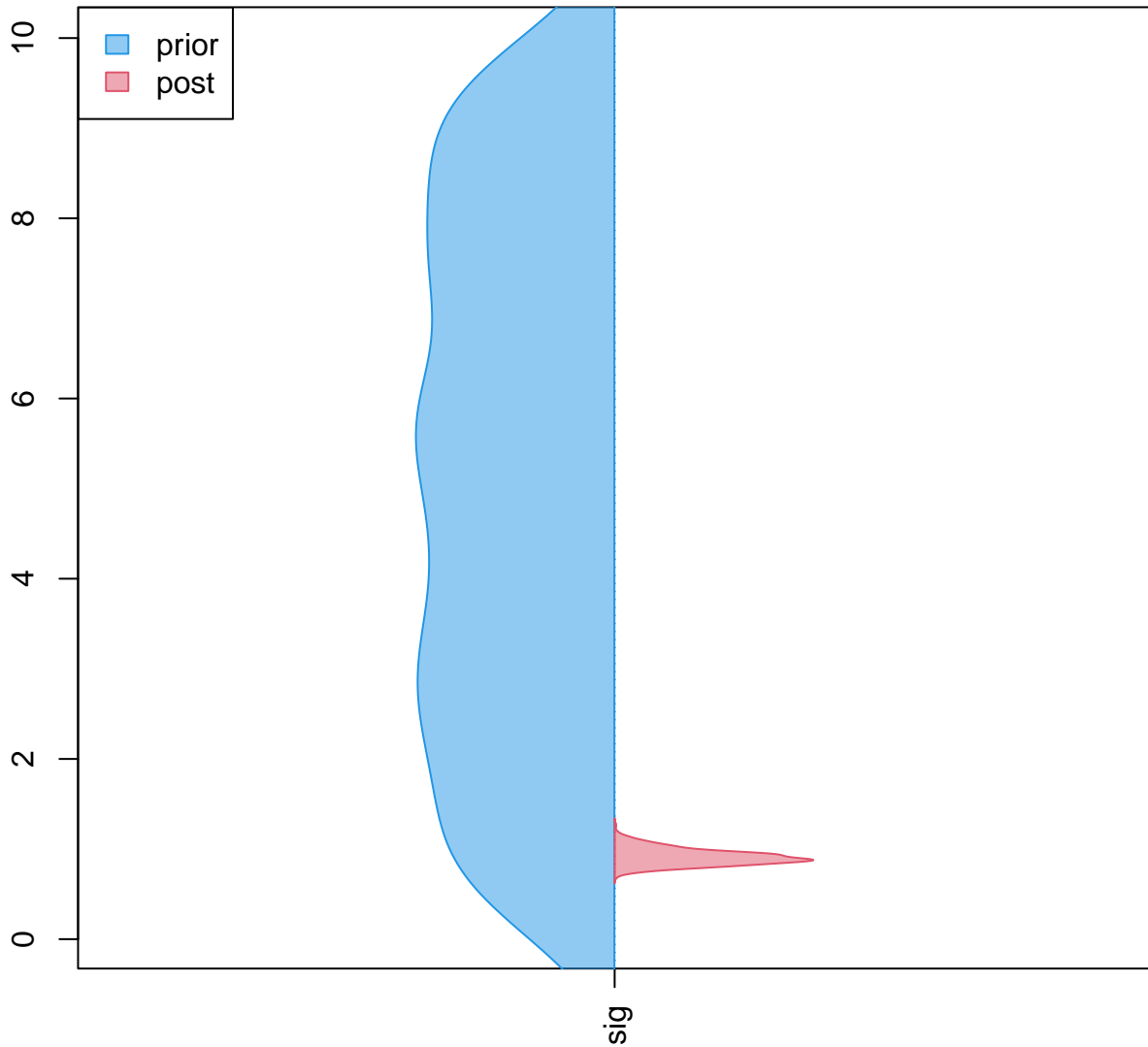
b0



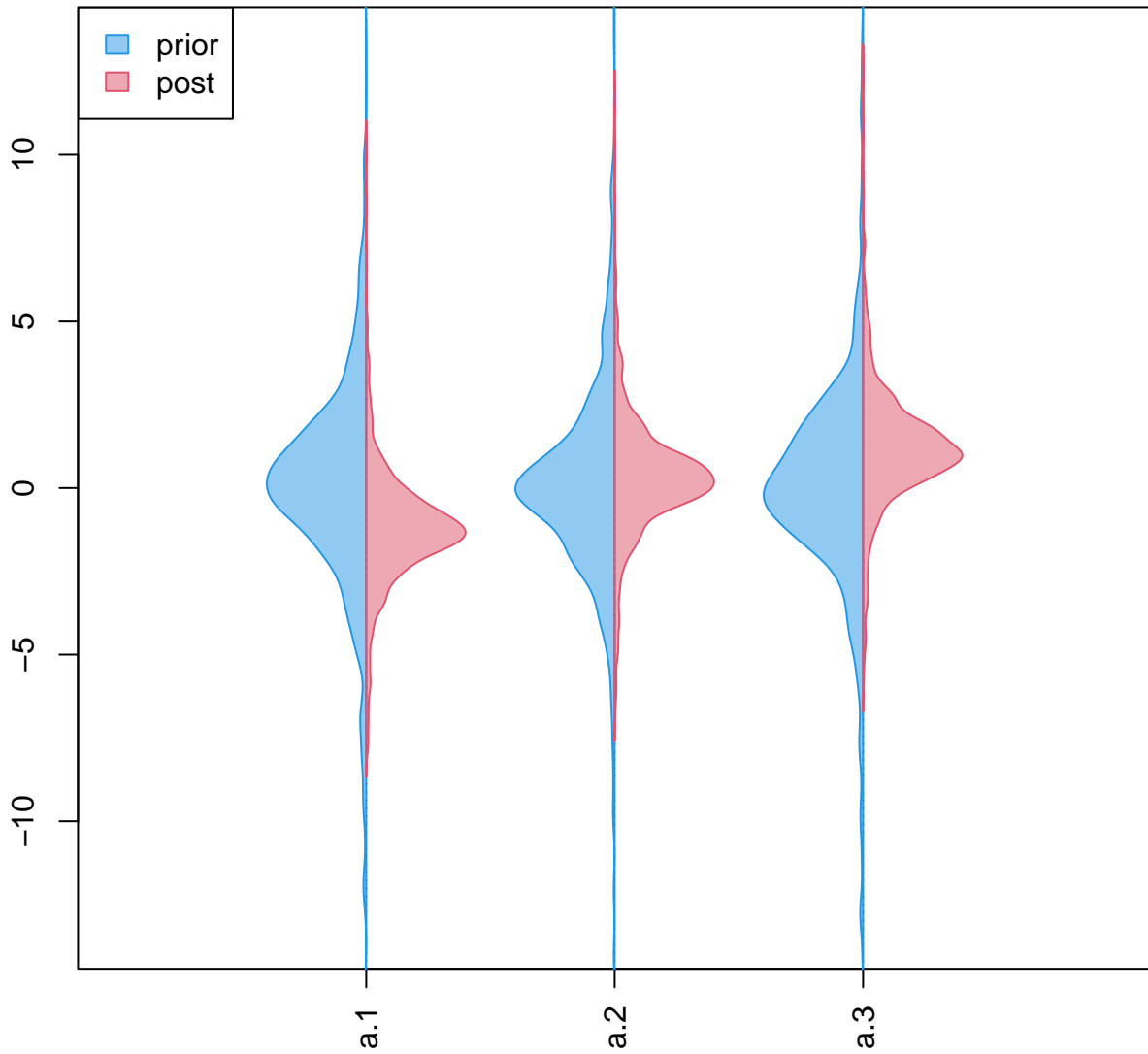
b1



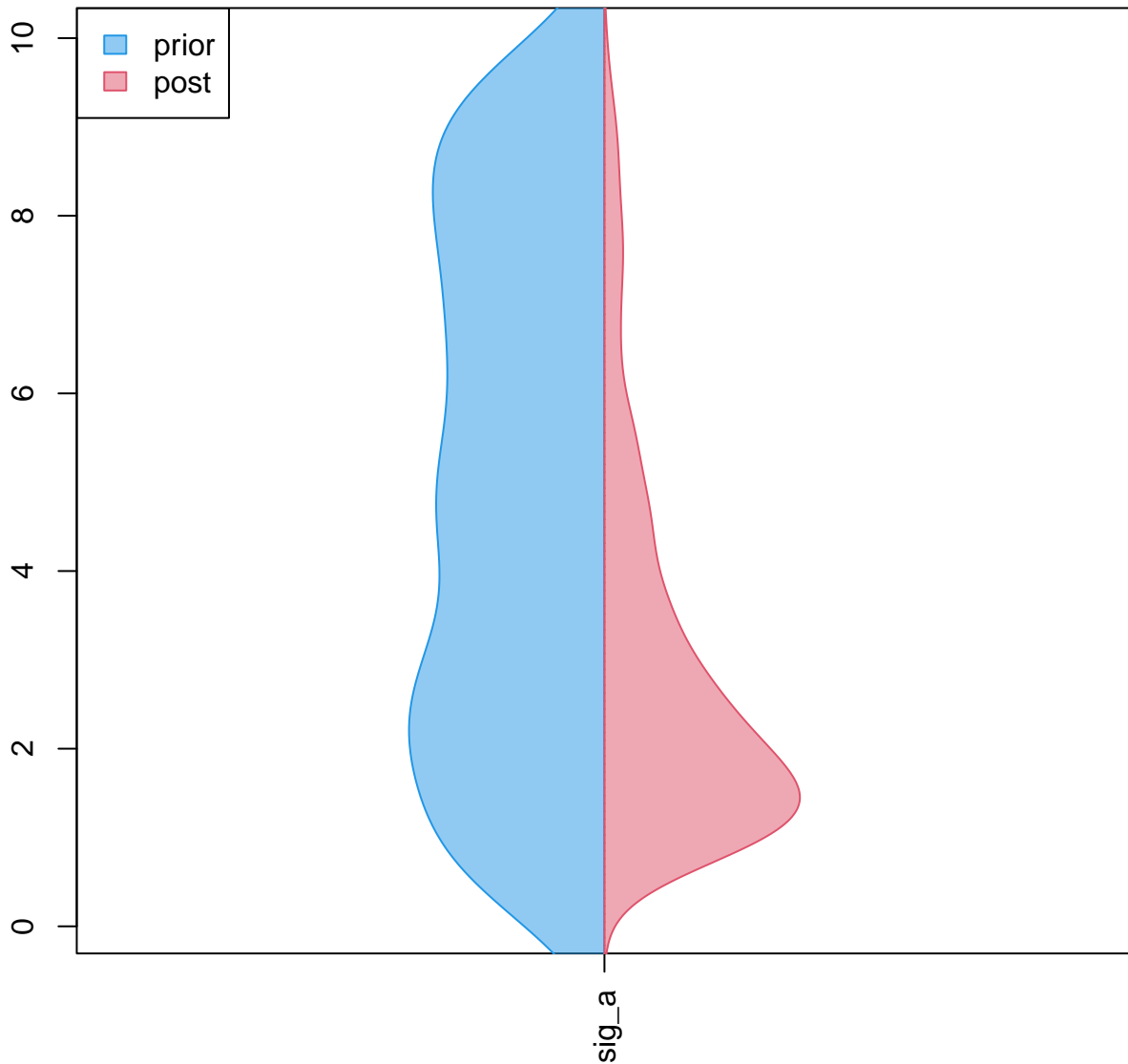
sig

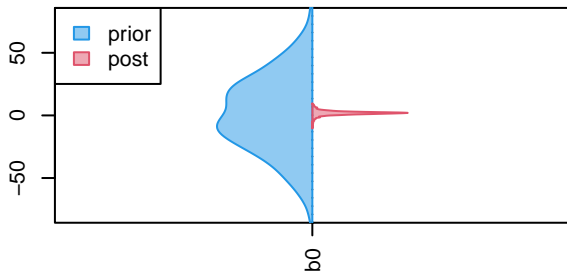
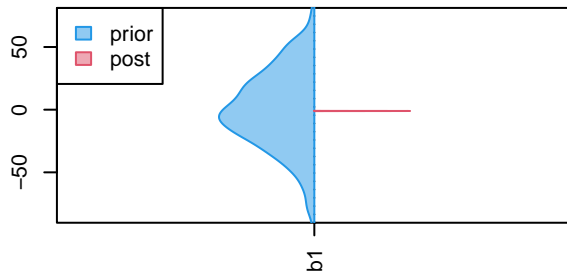
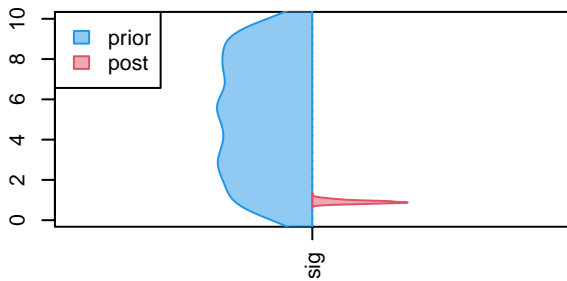
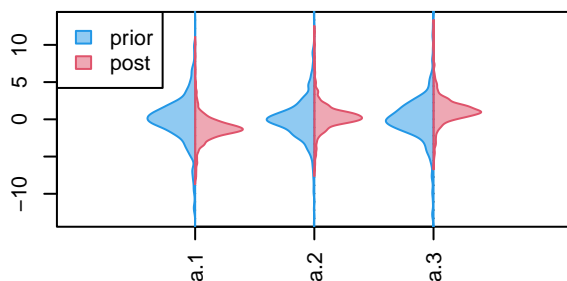
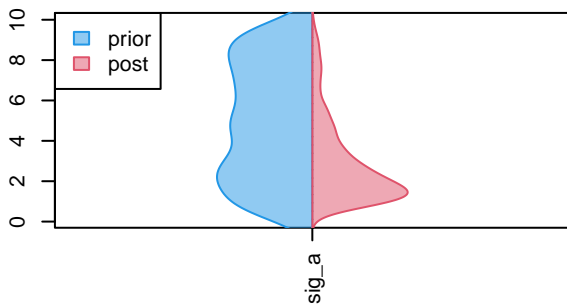


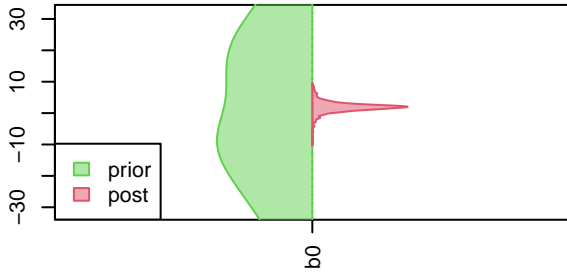
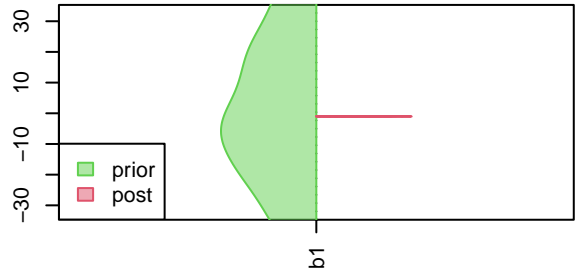
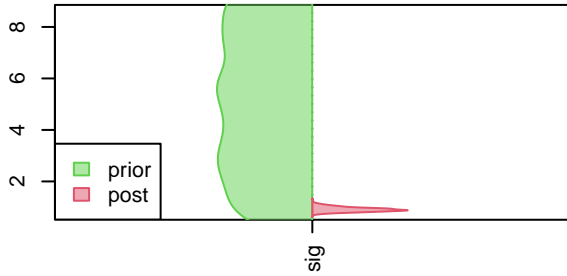
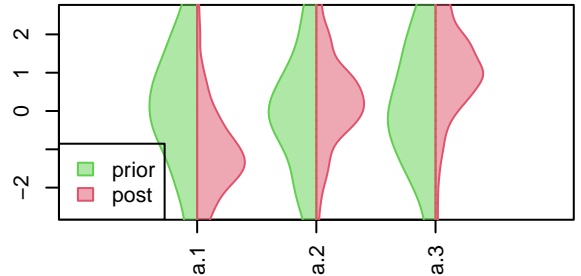
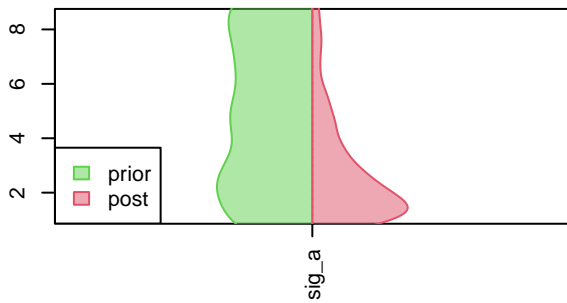
a

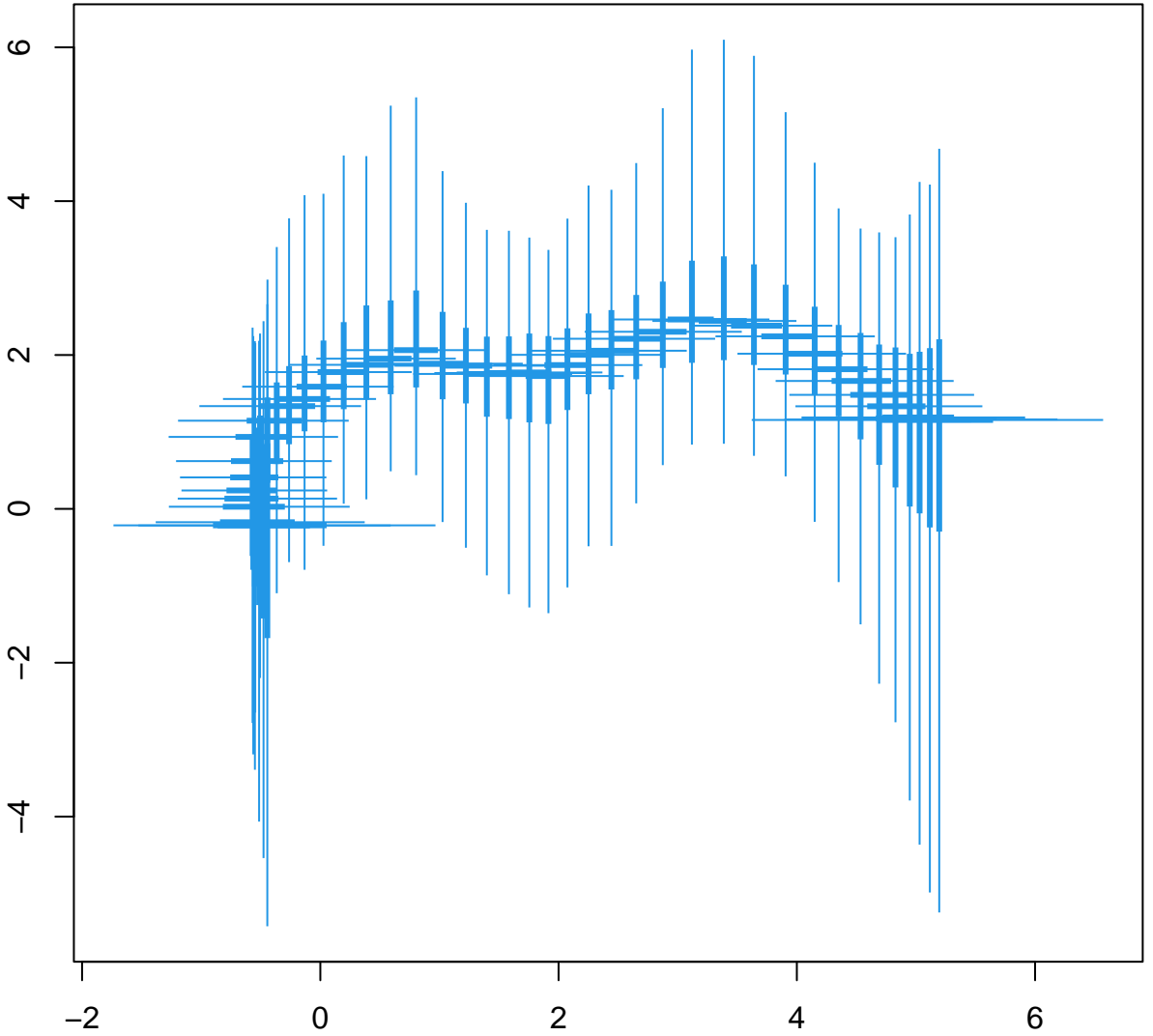


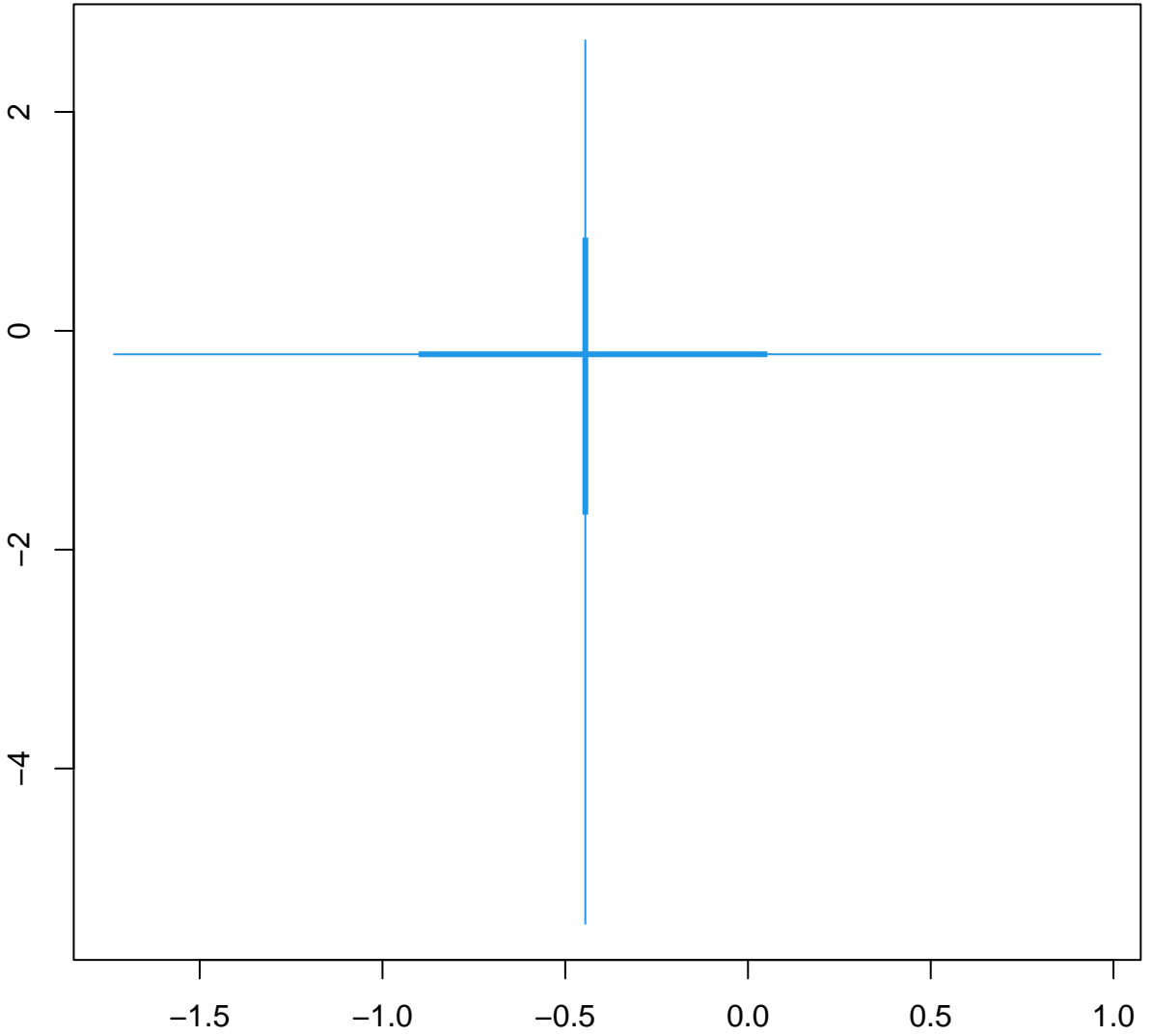
sig_a

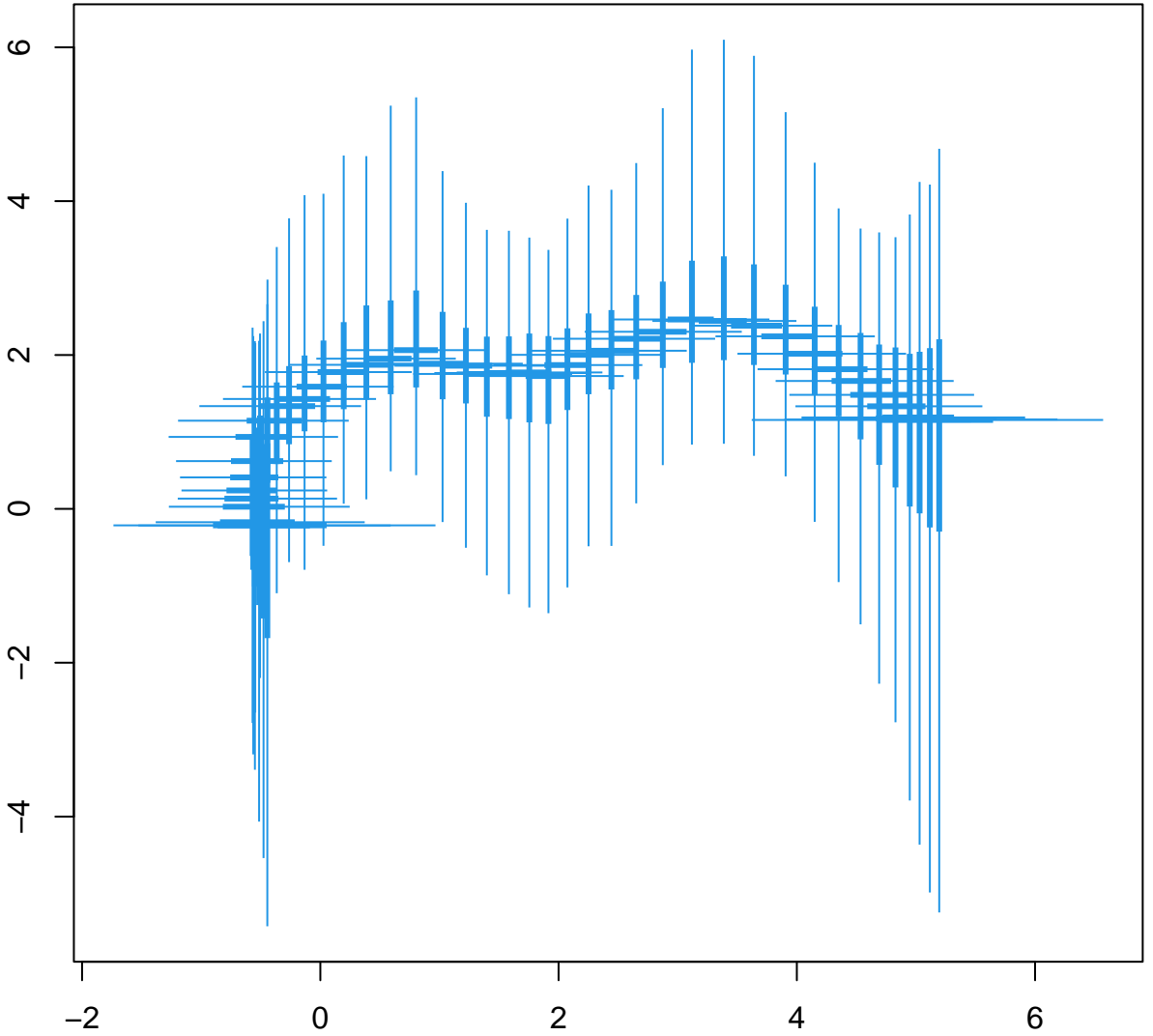


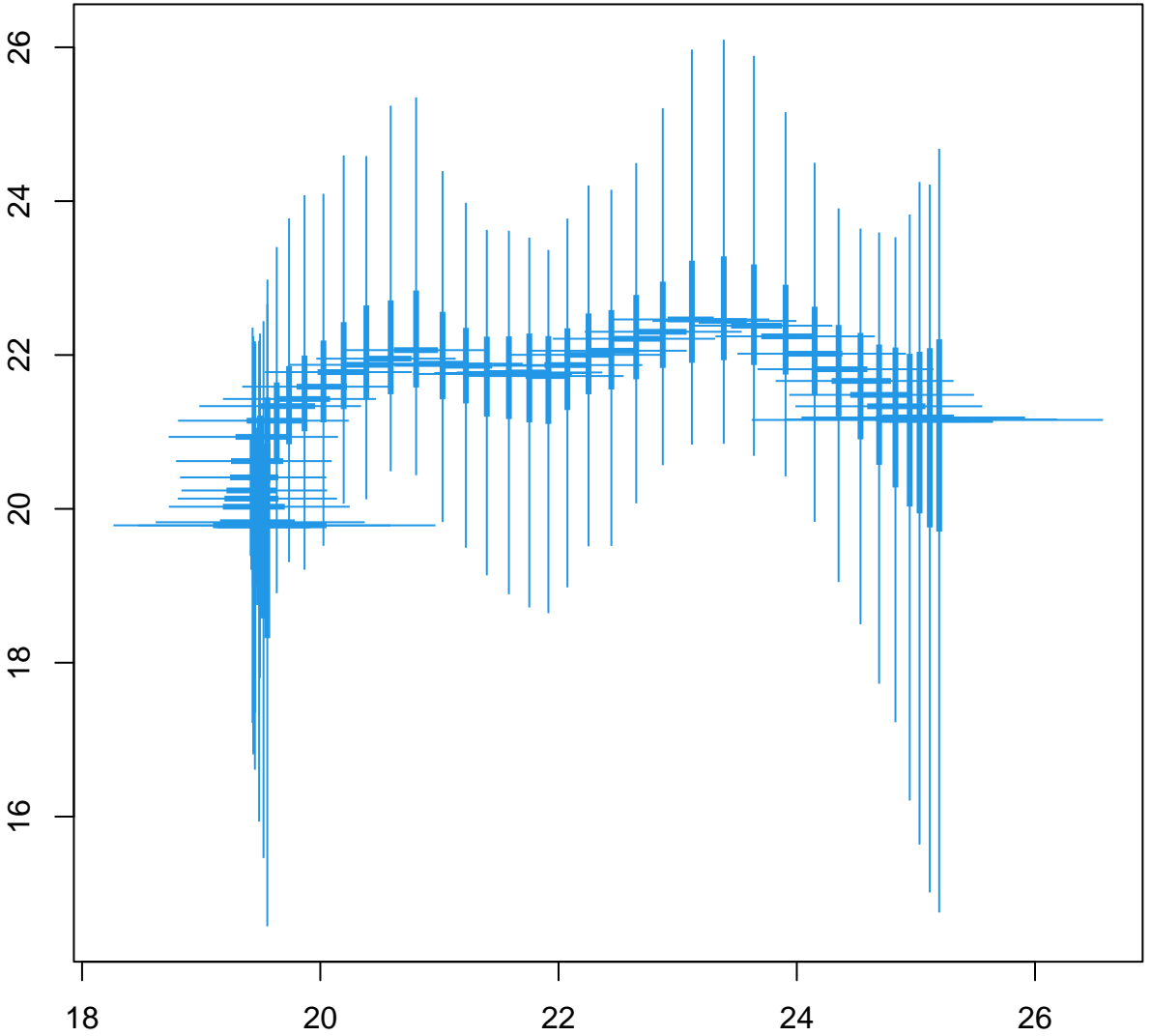
b0**b1****sig****a****sig_a**

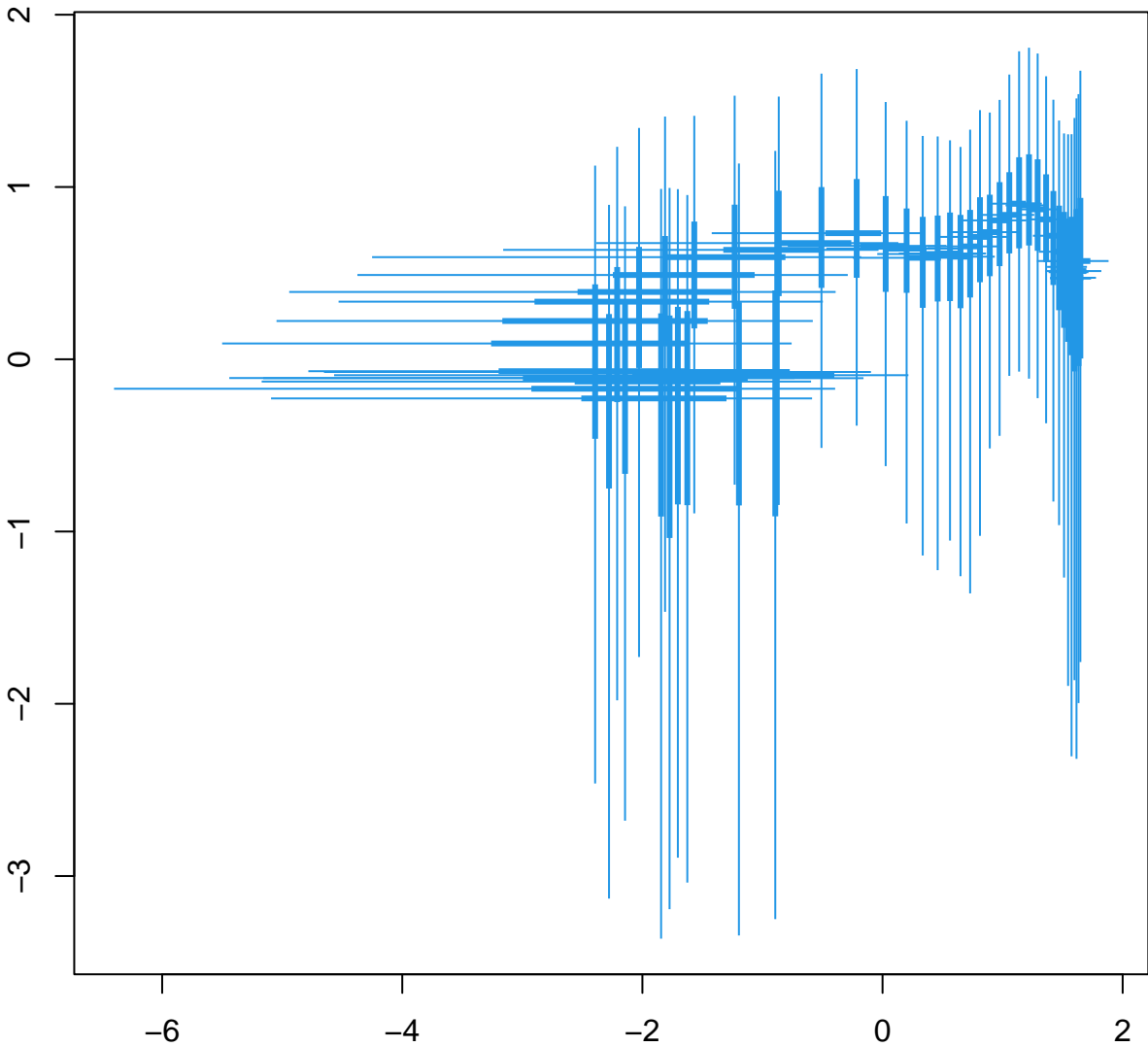
b0**b1****sig****a****sig_a**

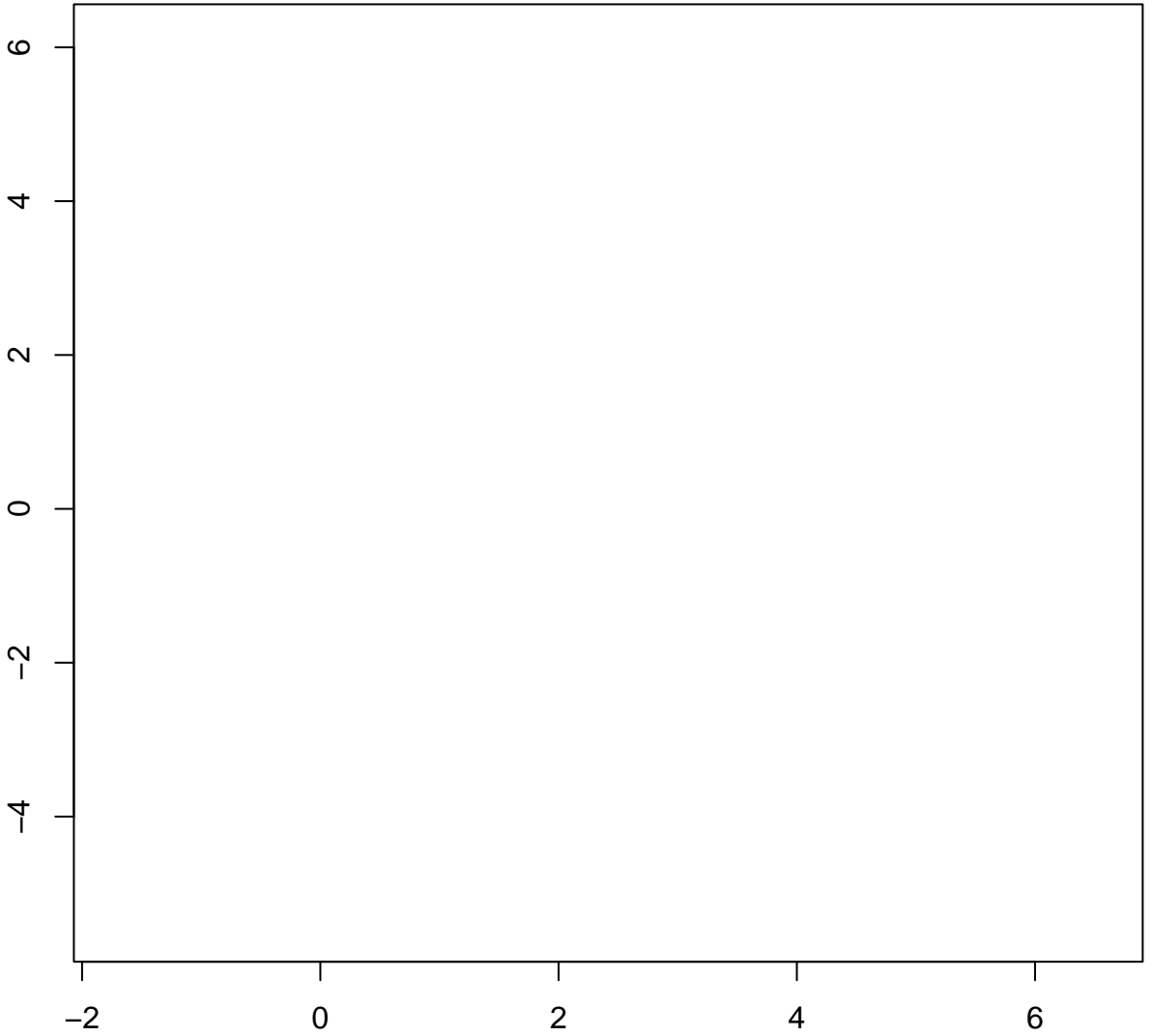


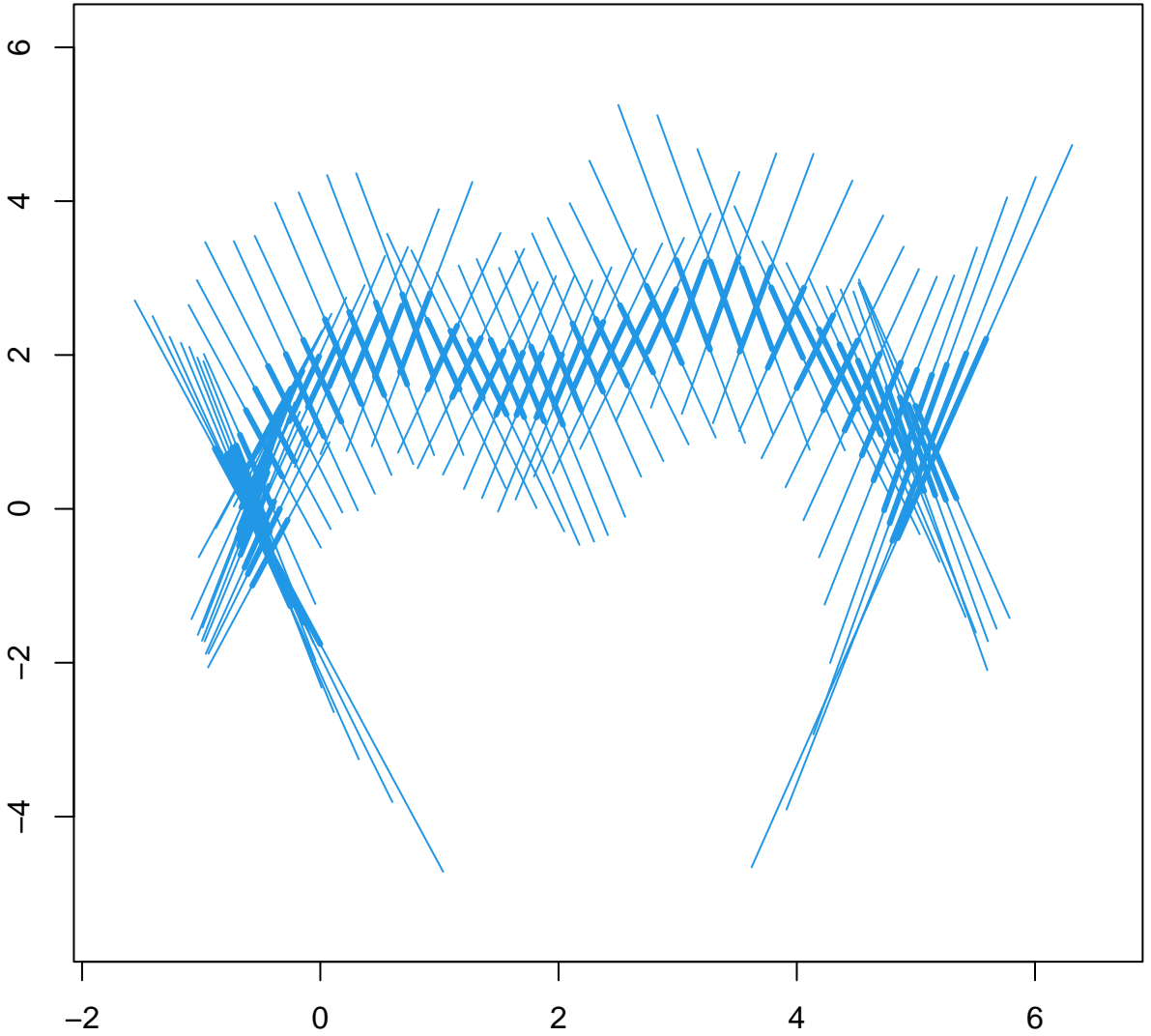


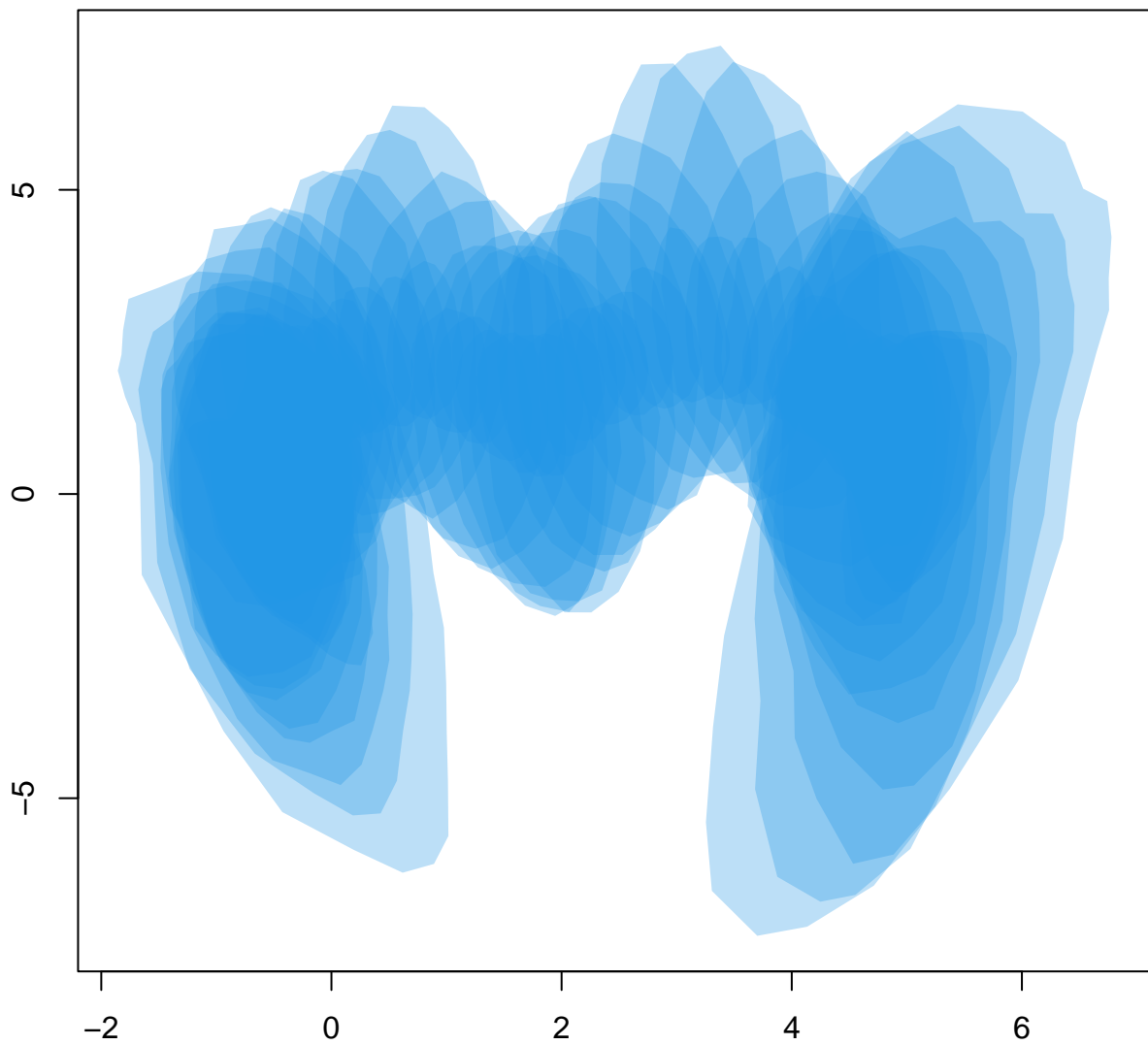


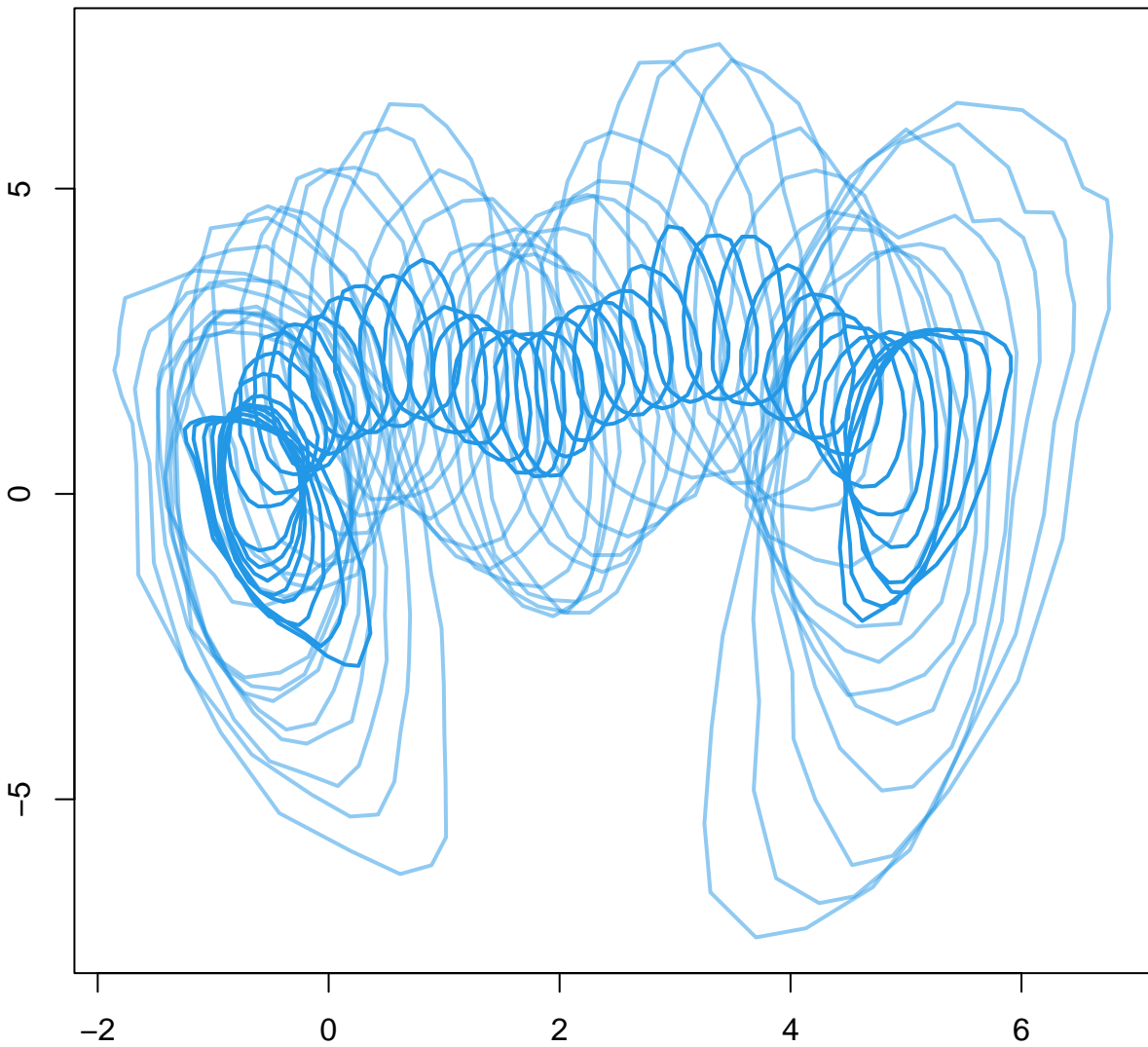


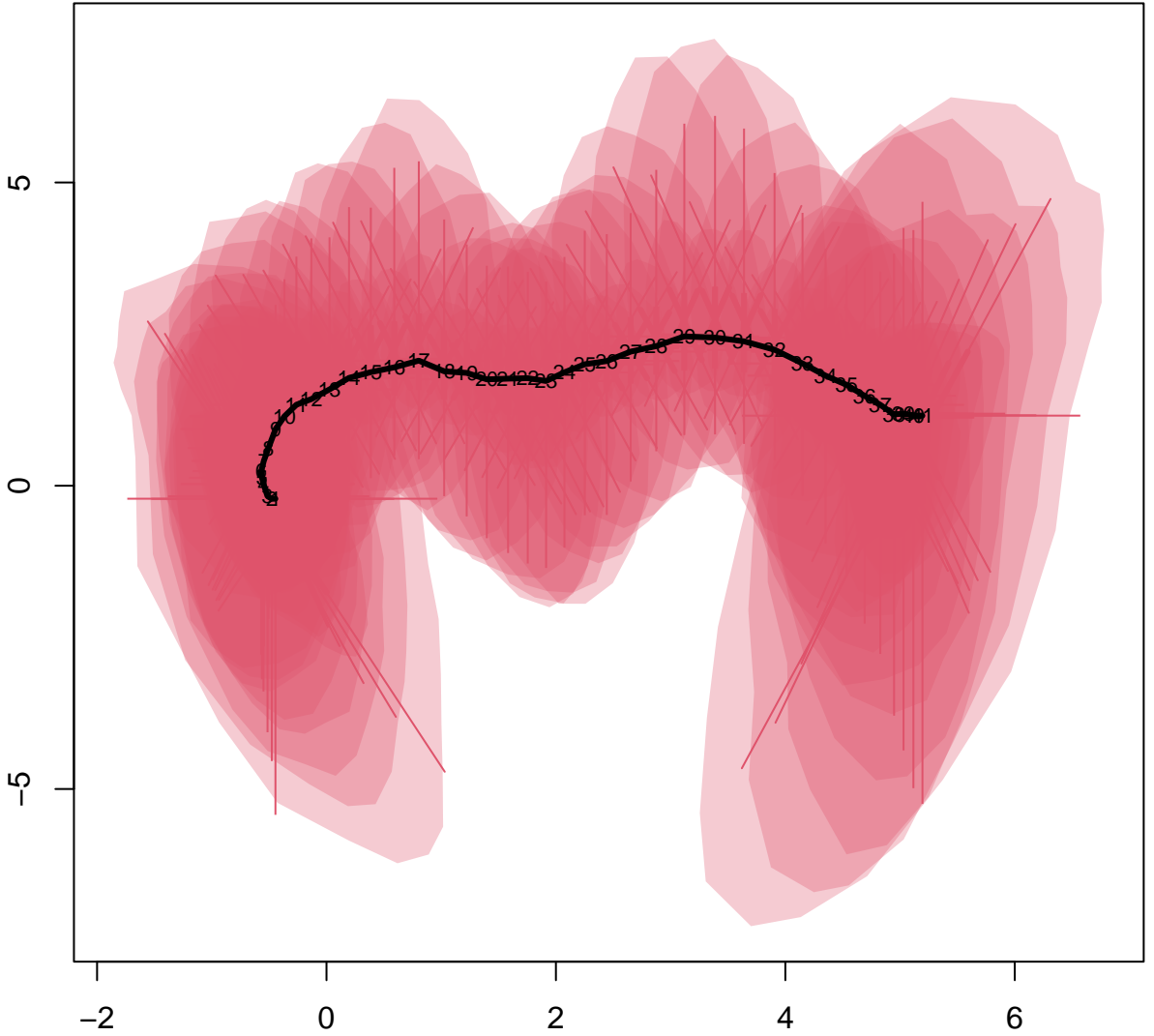


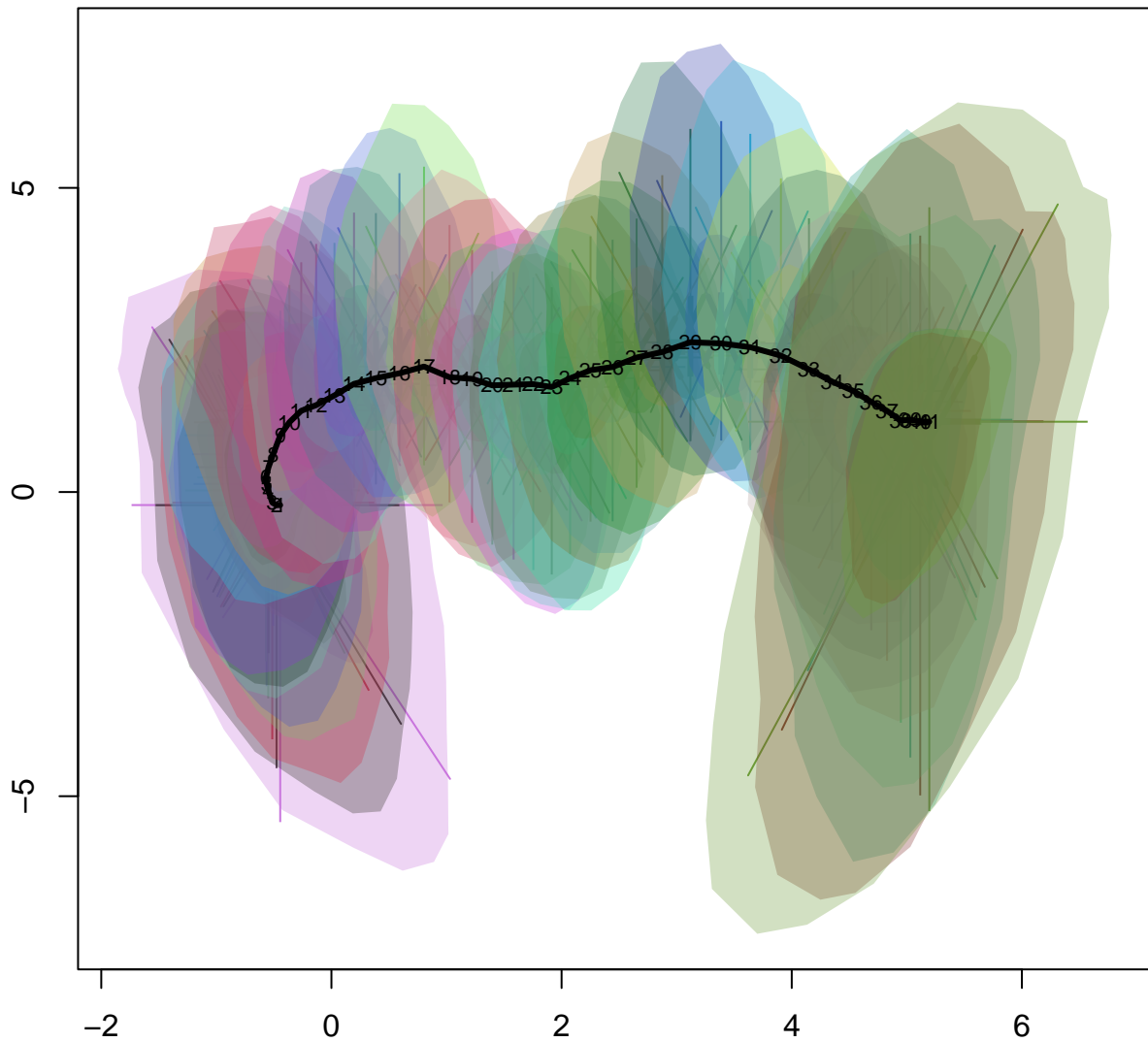


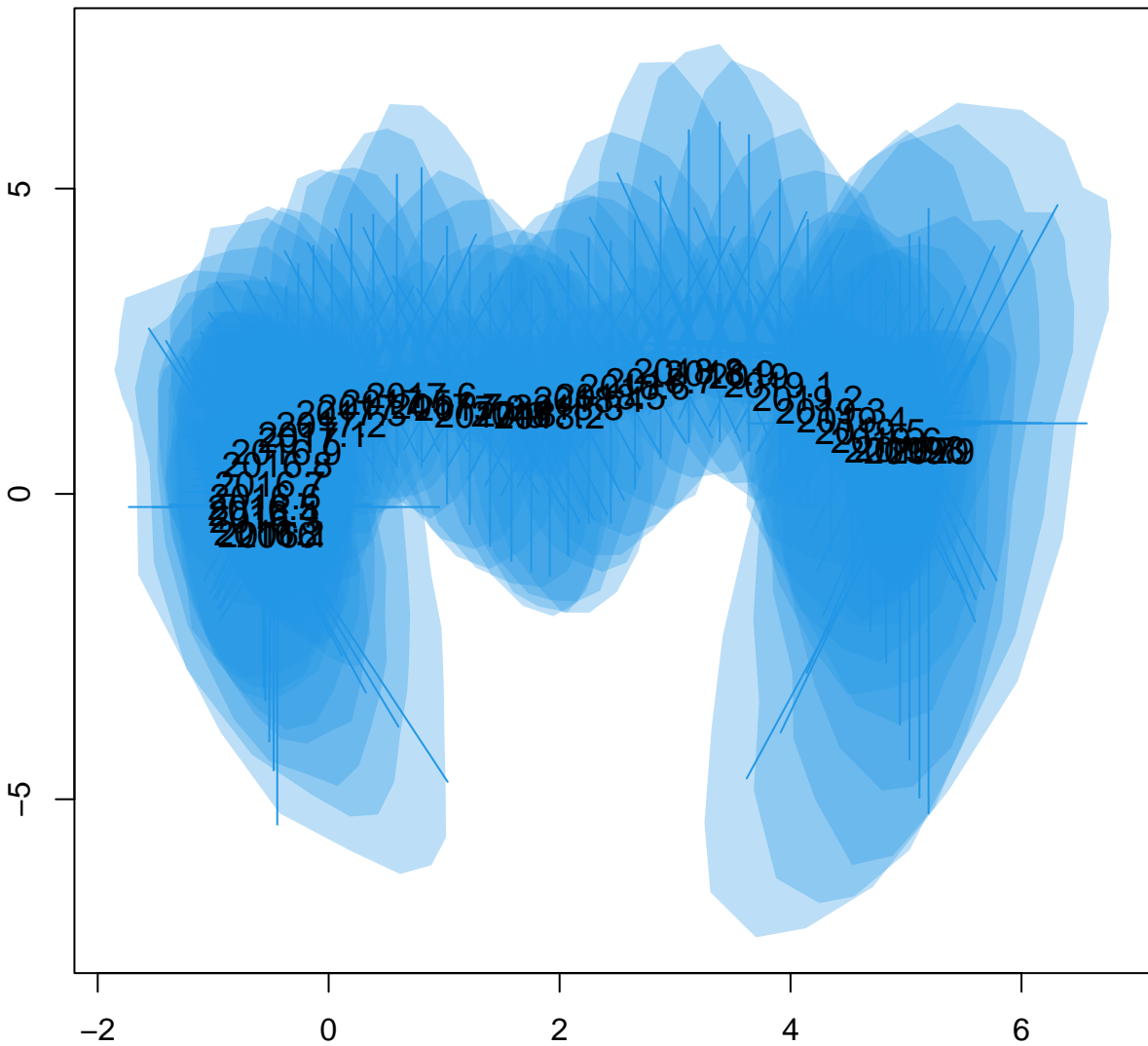


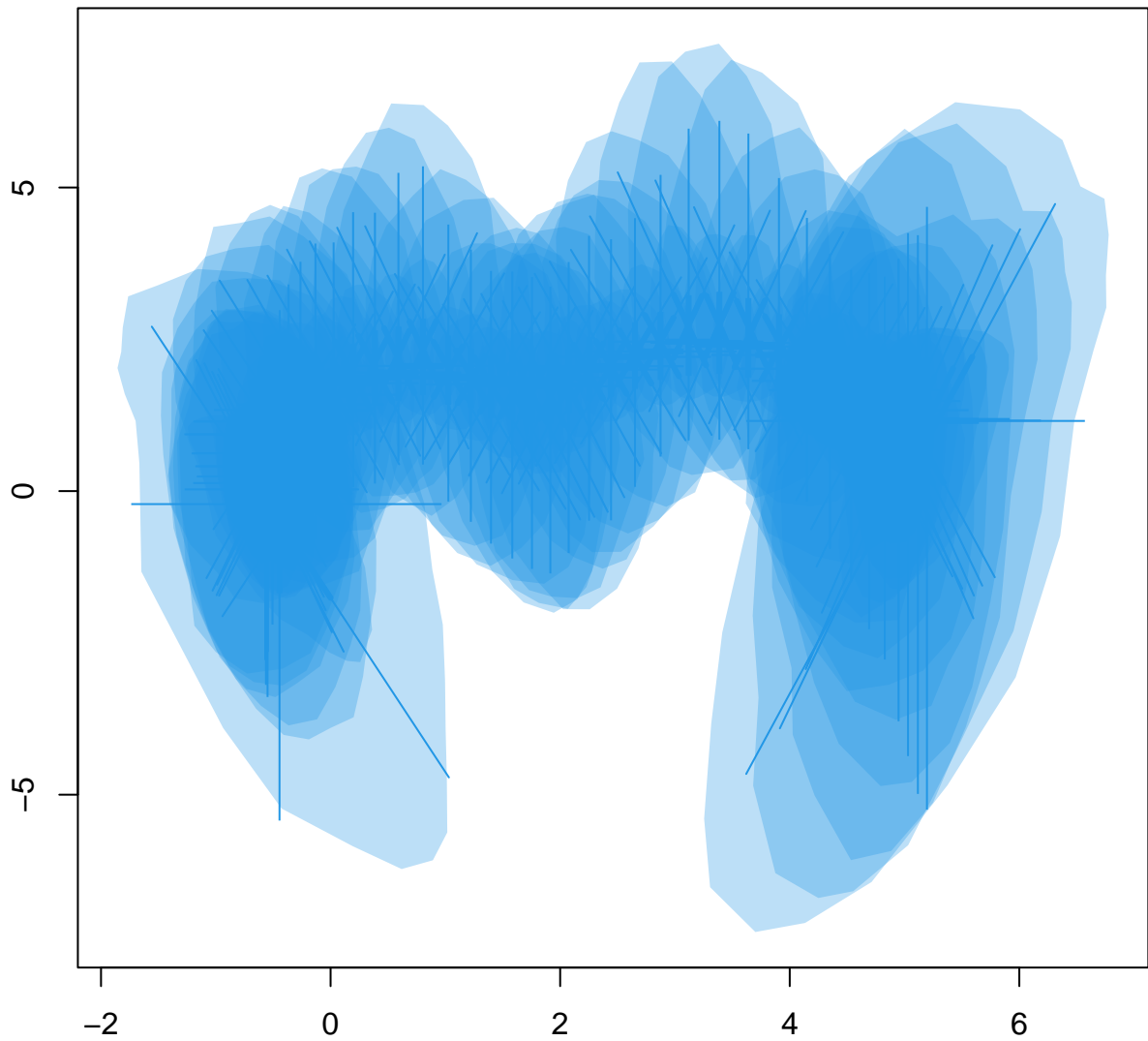


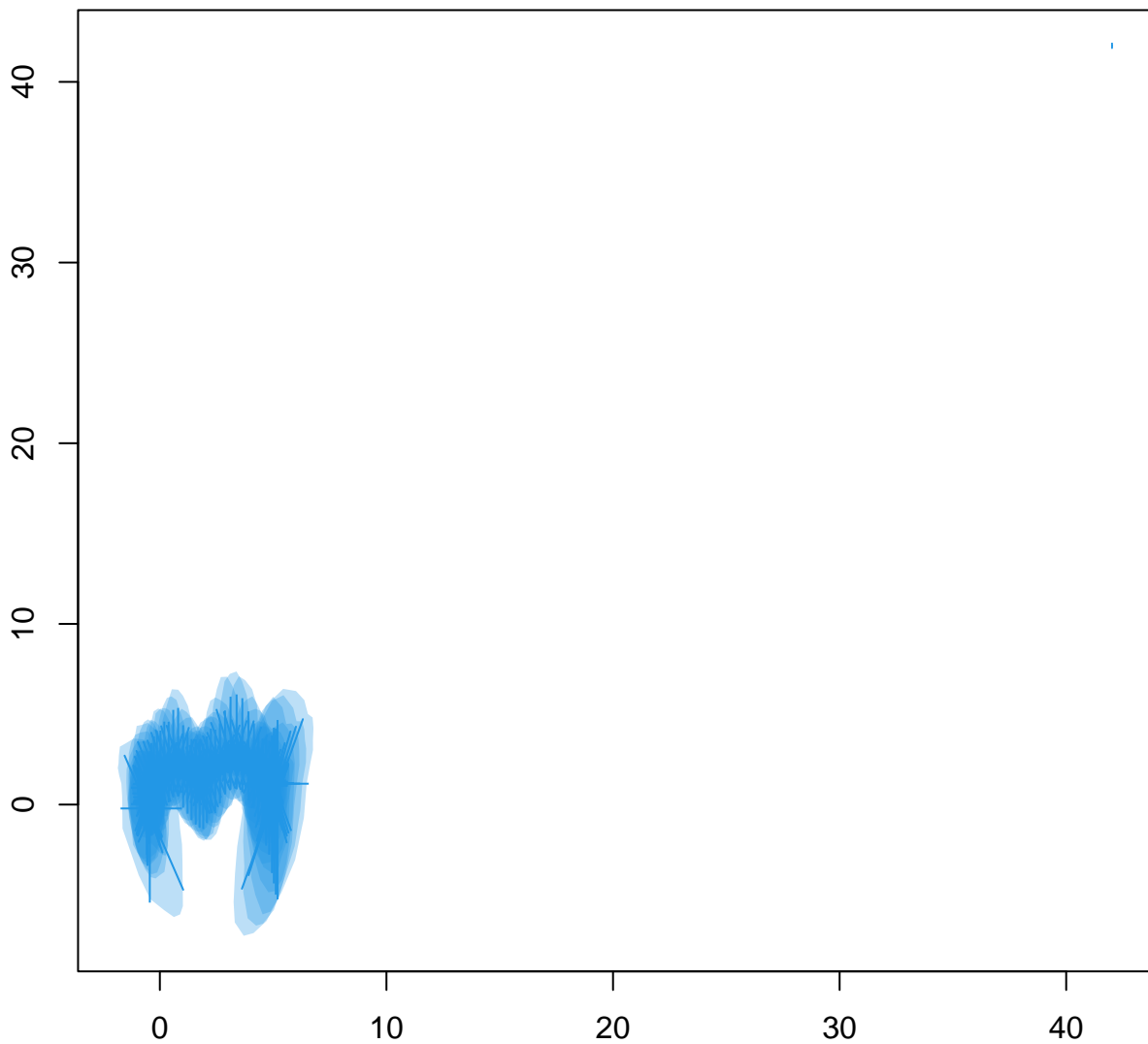


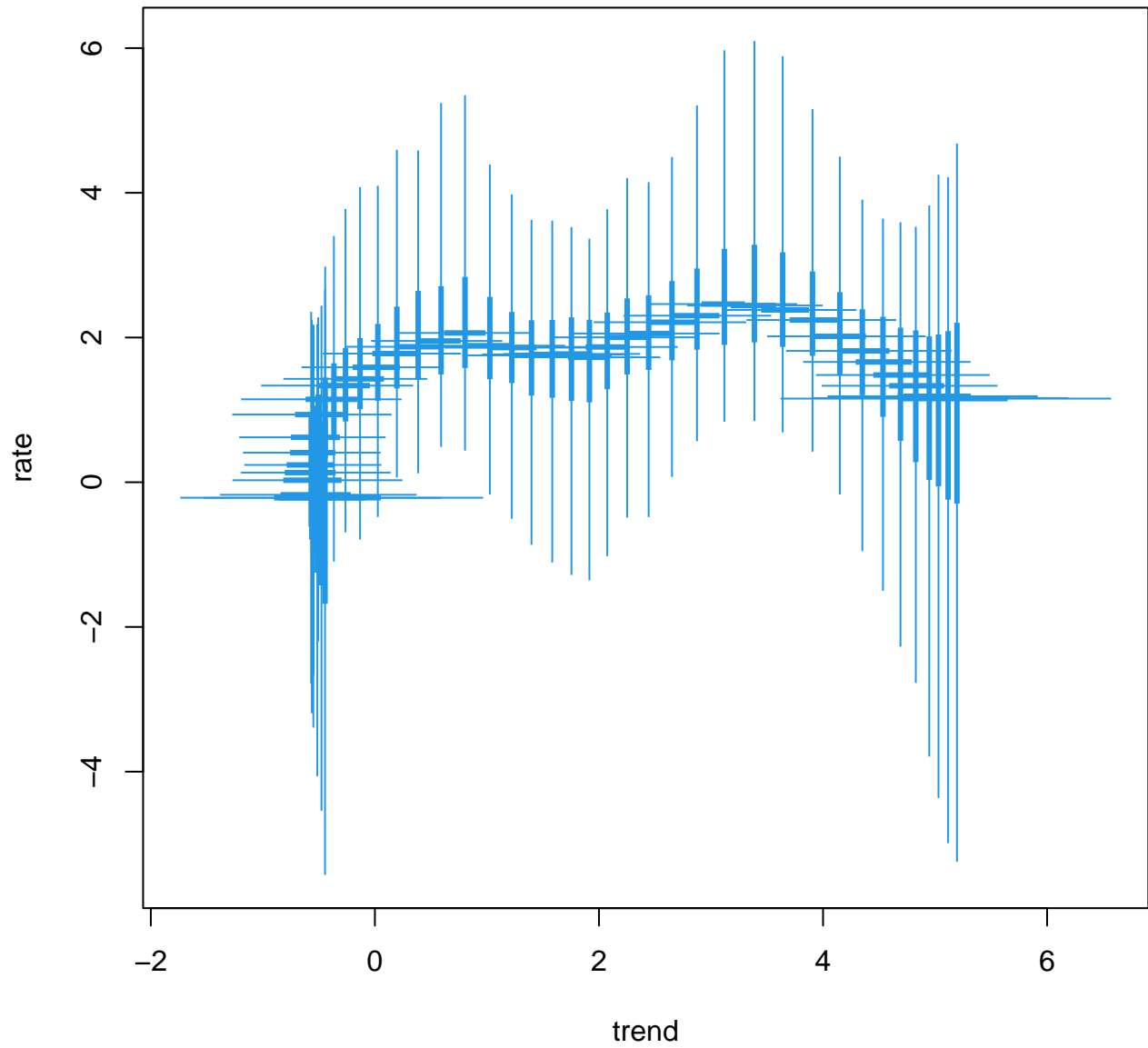


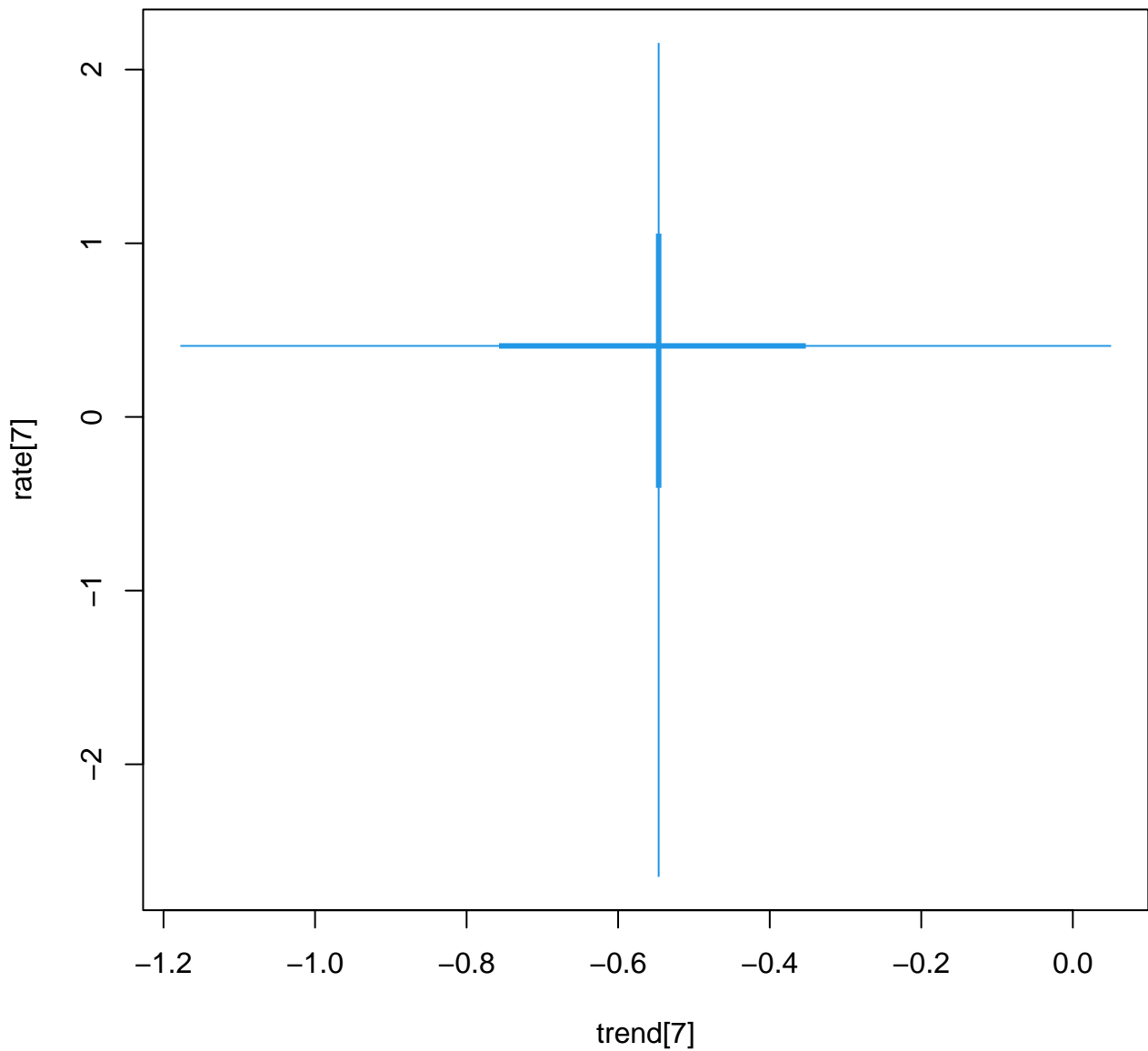


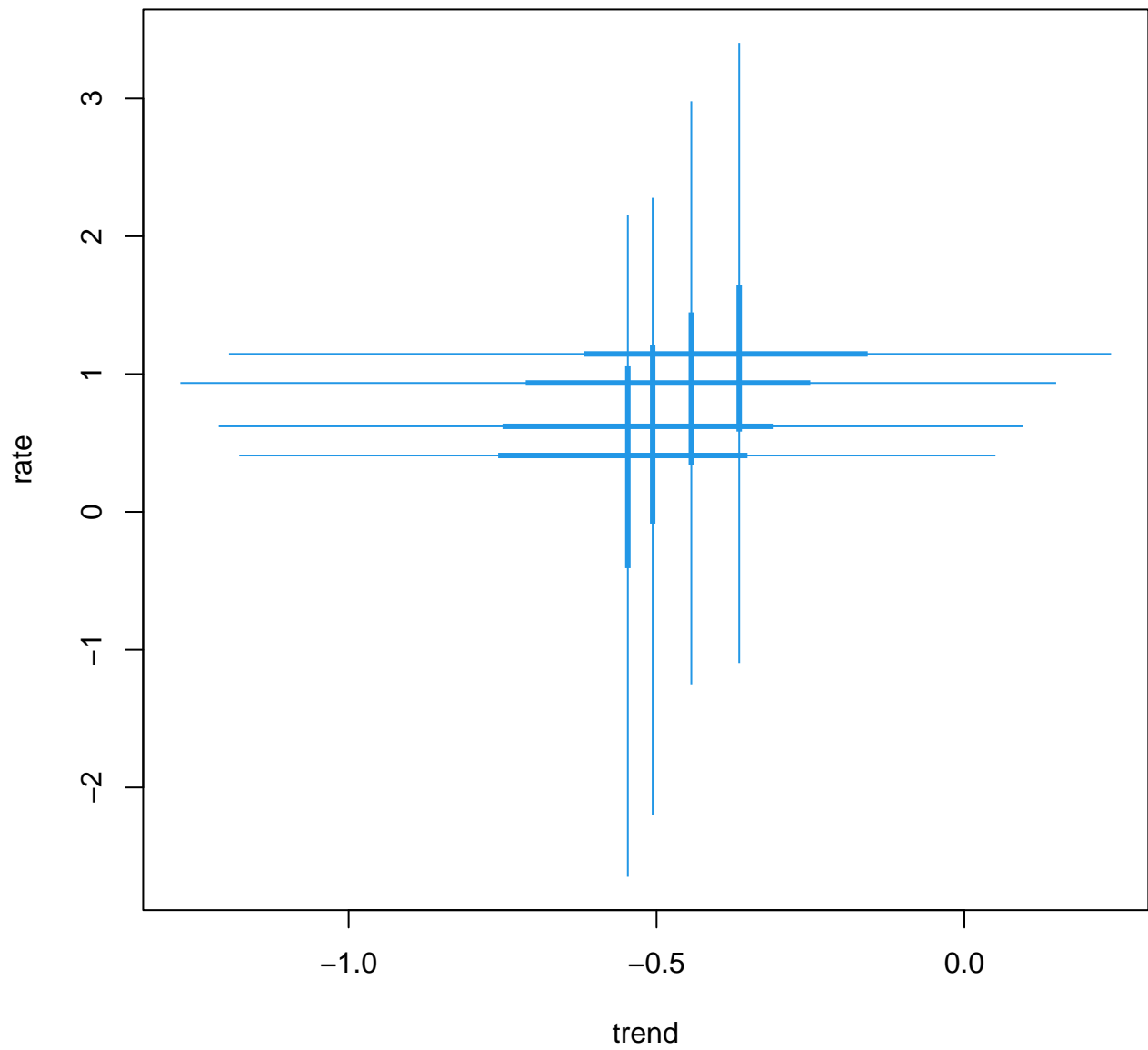


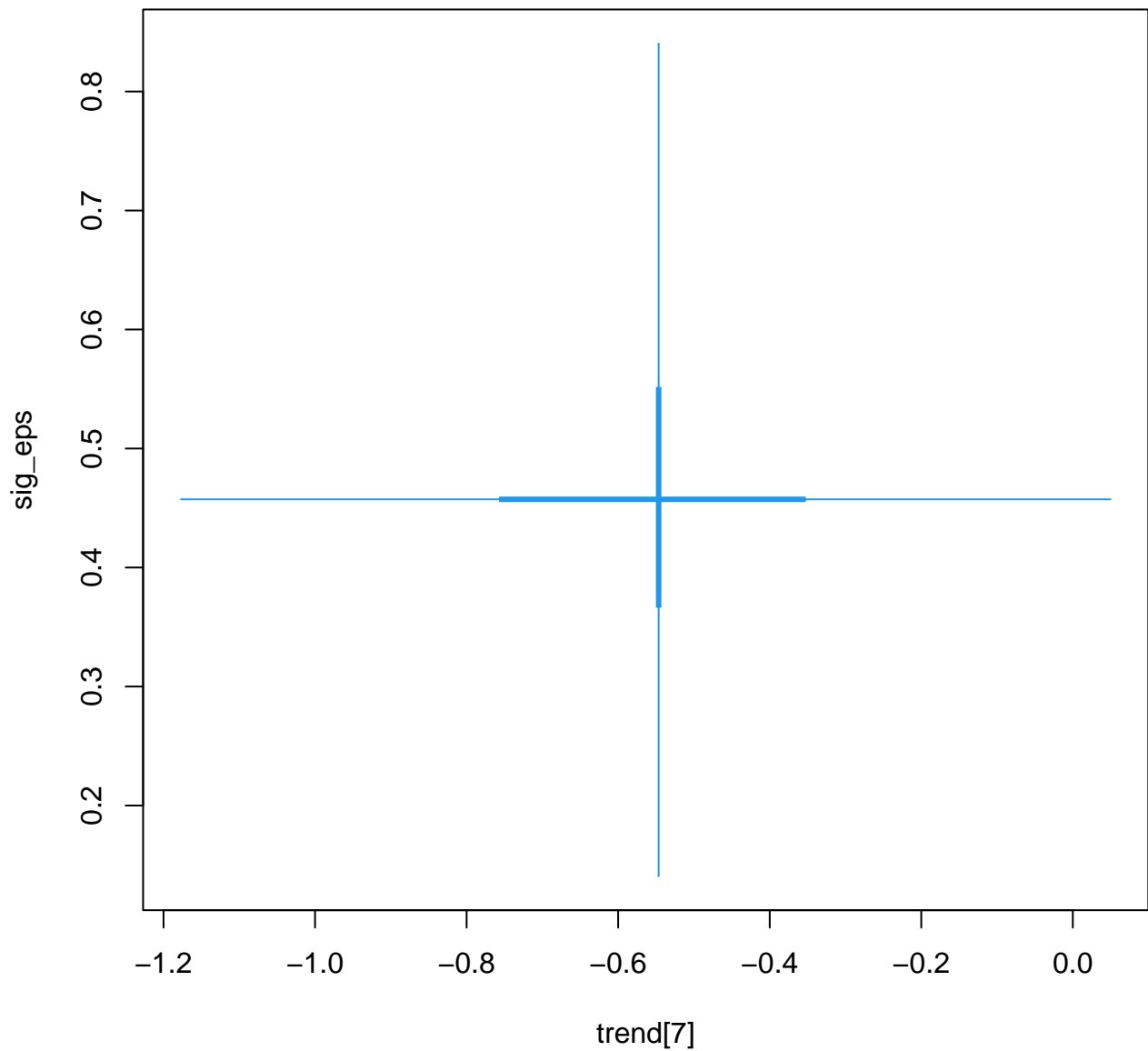


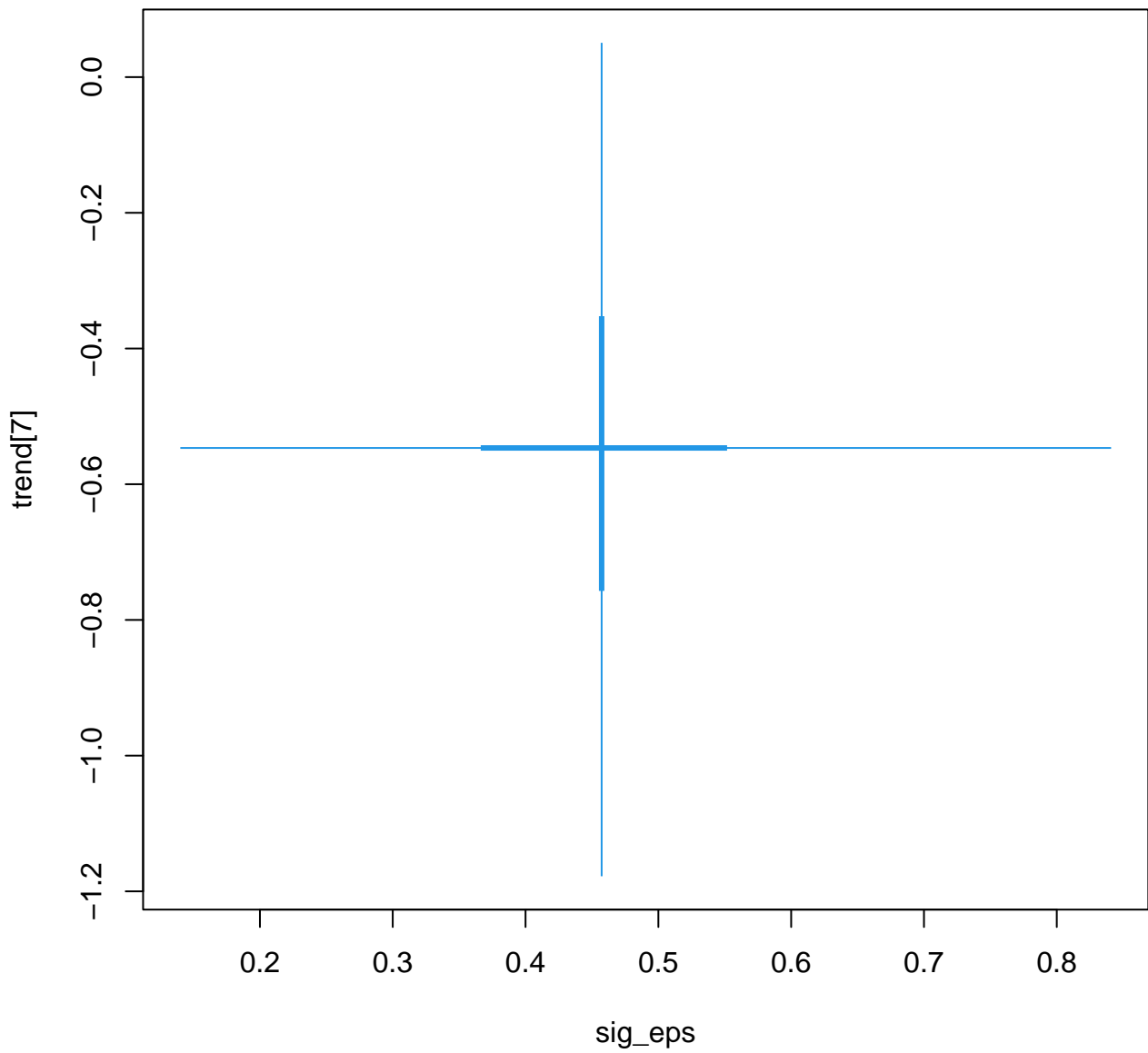


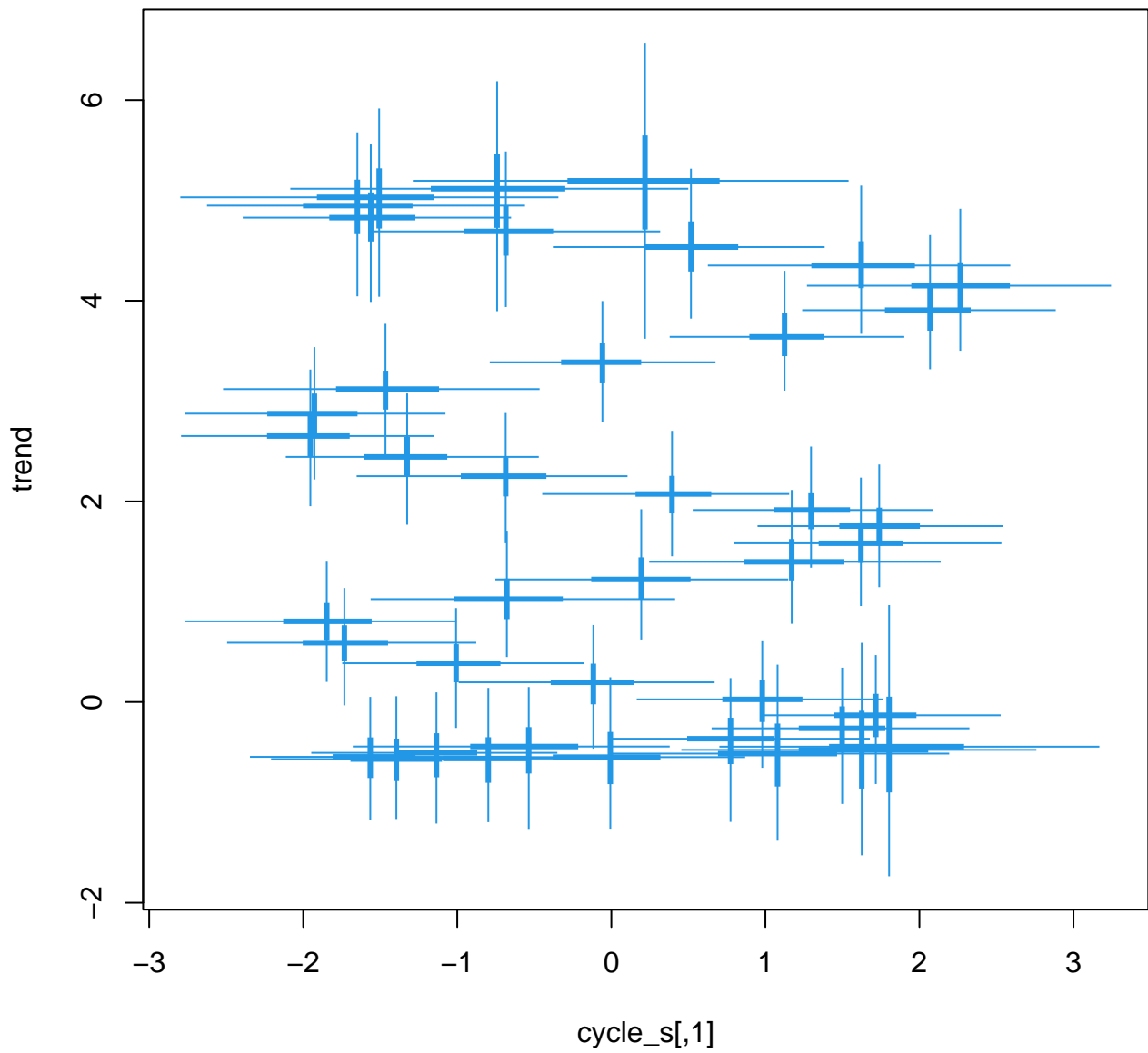


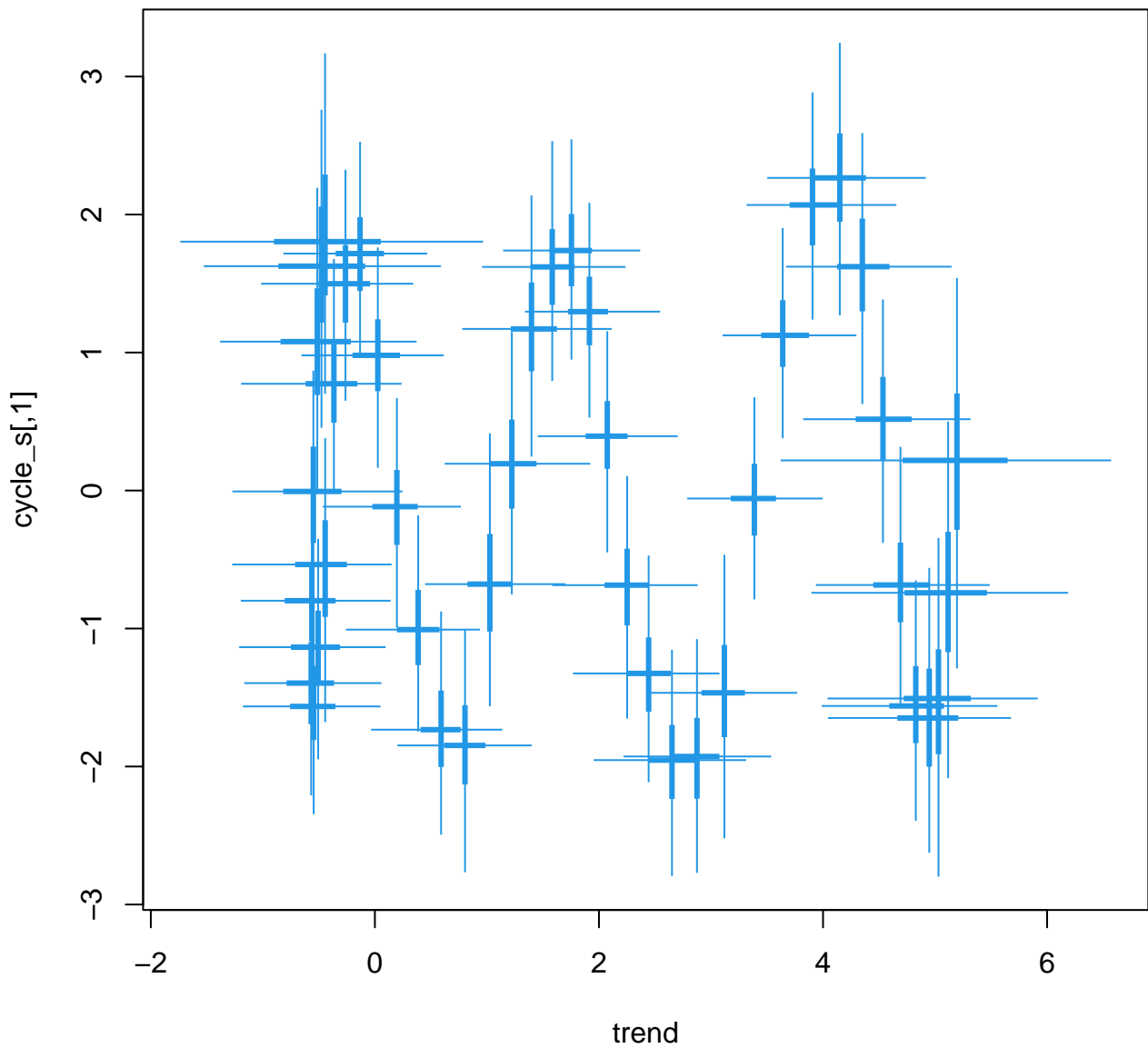




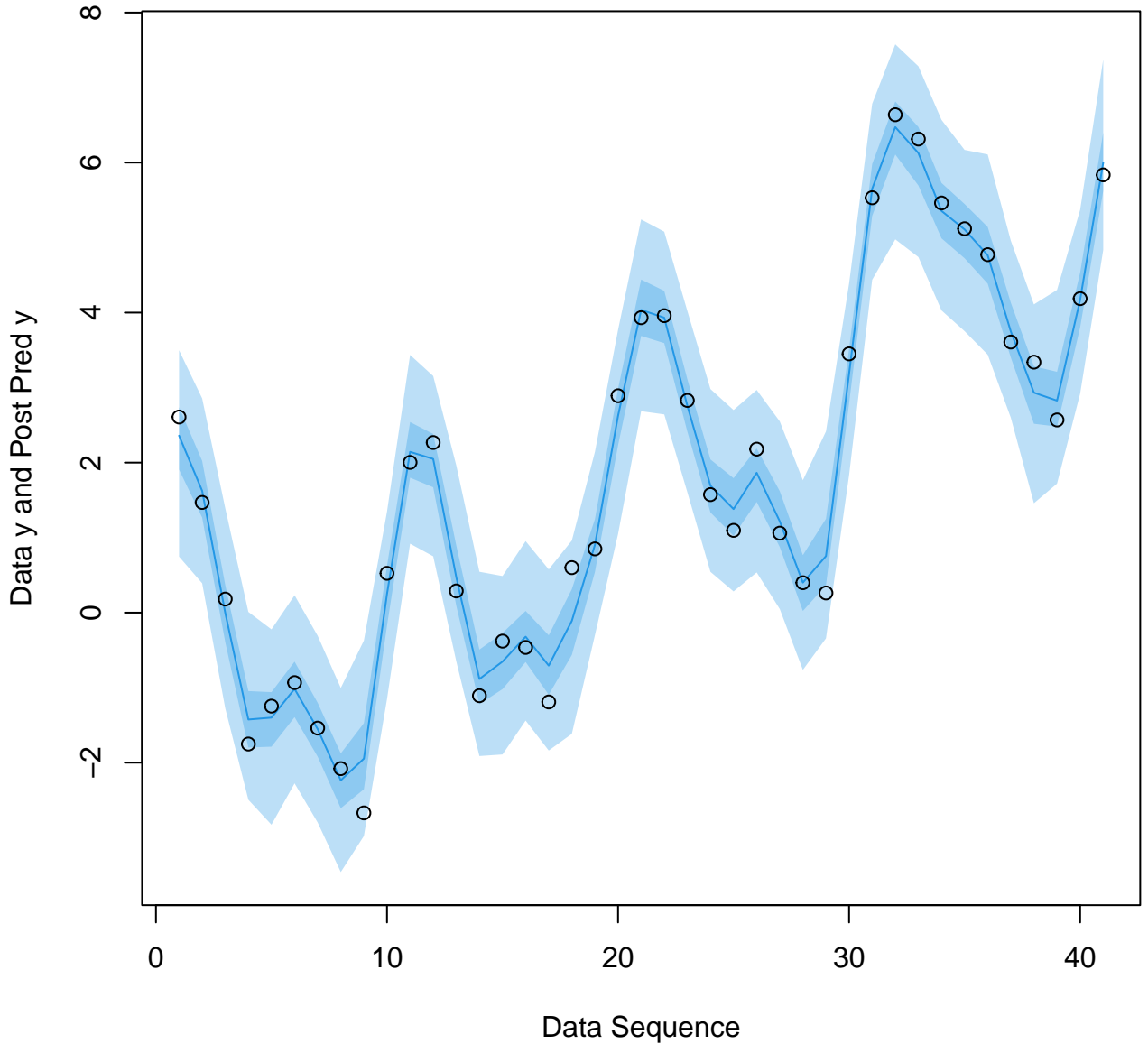




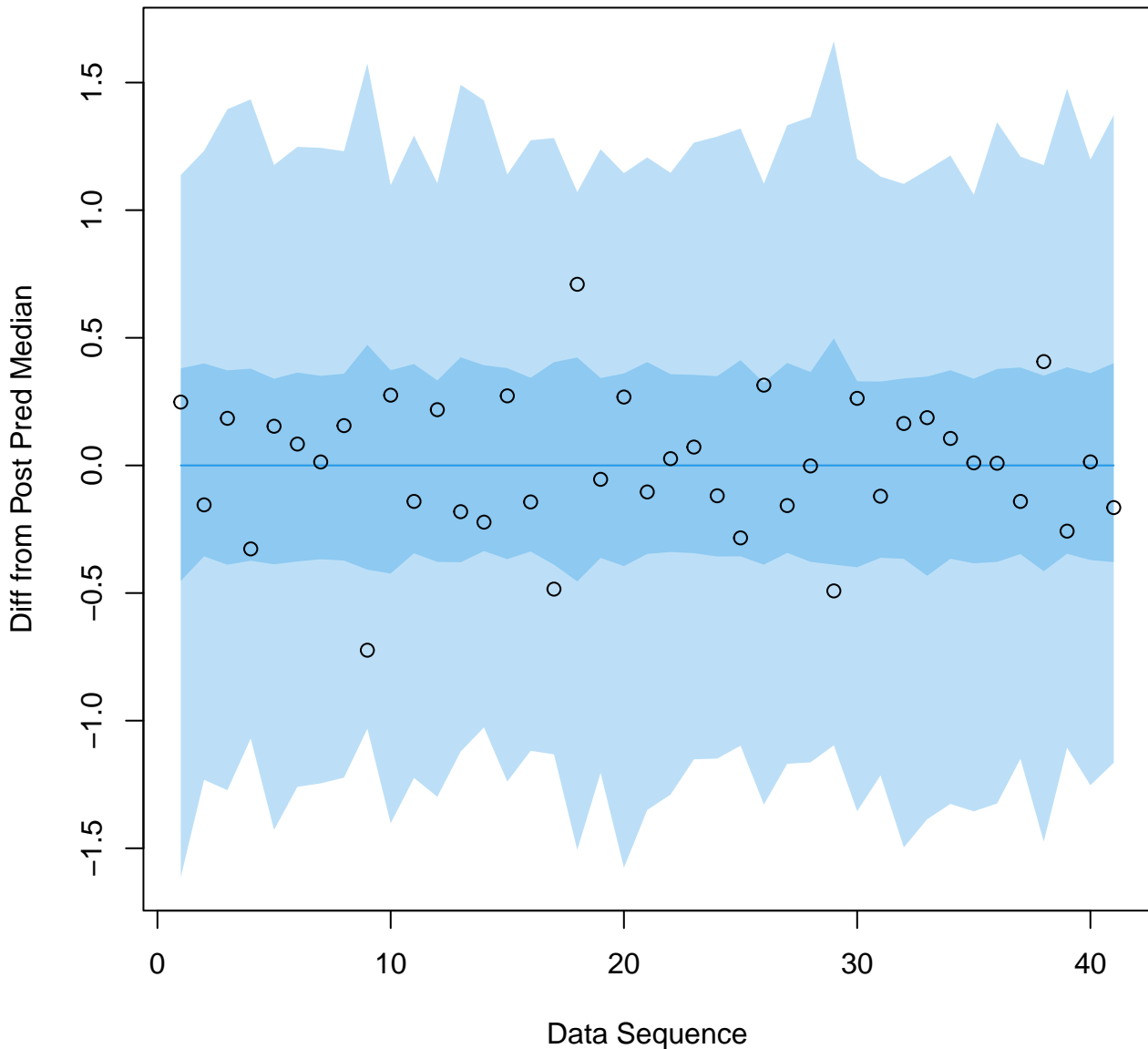


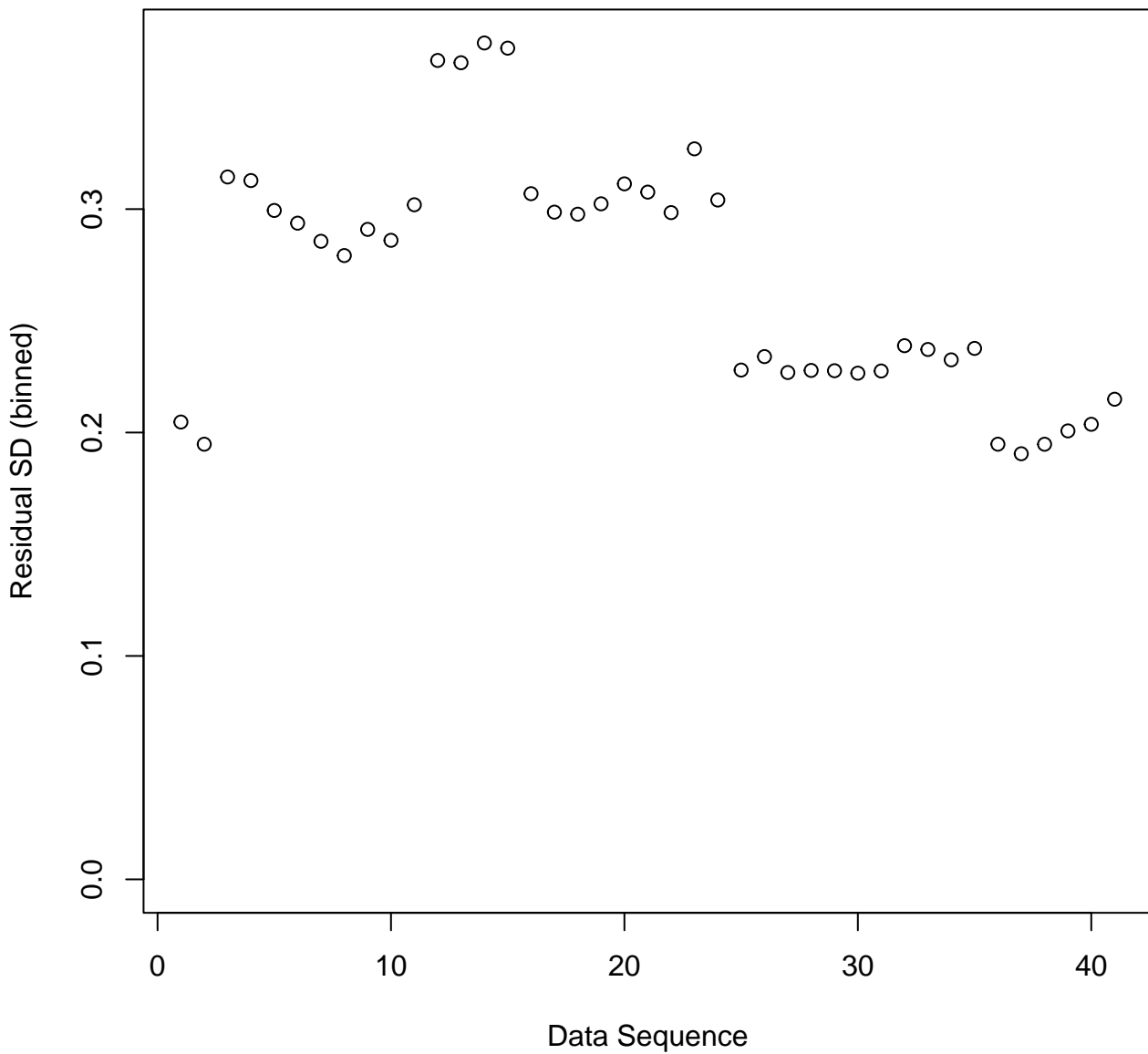


**Data y & Post Pred y
vs. Data Sequence**

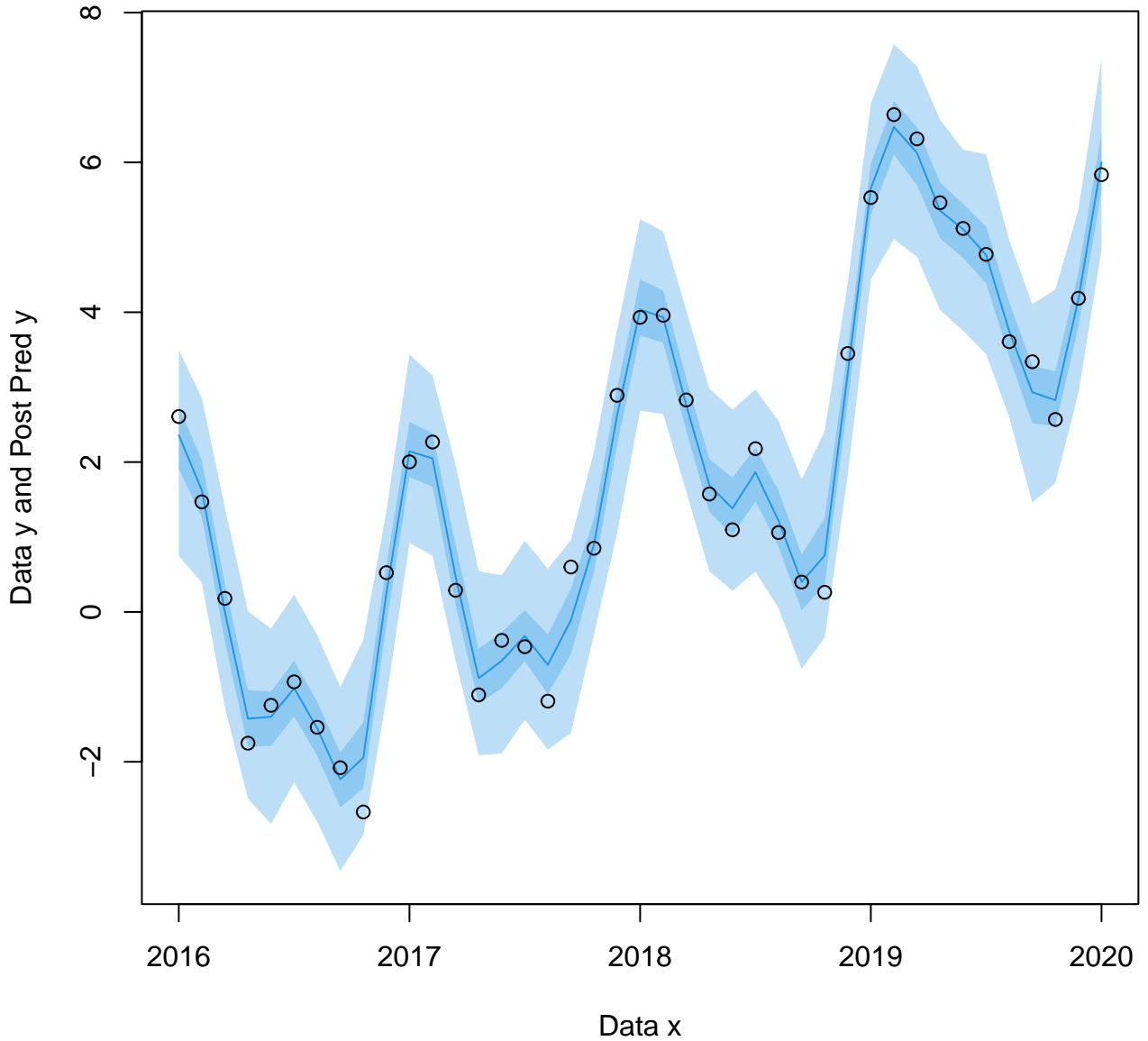


Residuals & PP Residual vs. Data Sequence

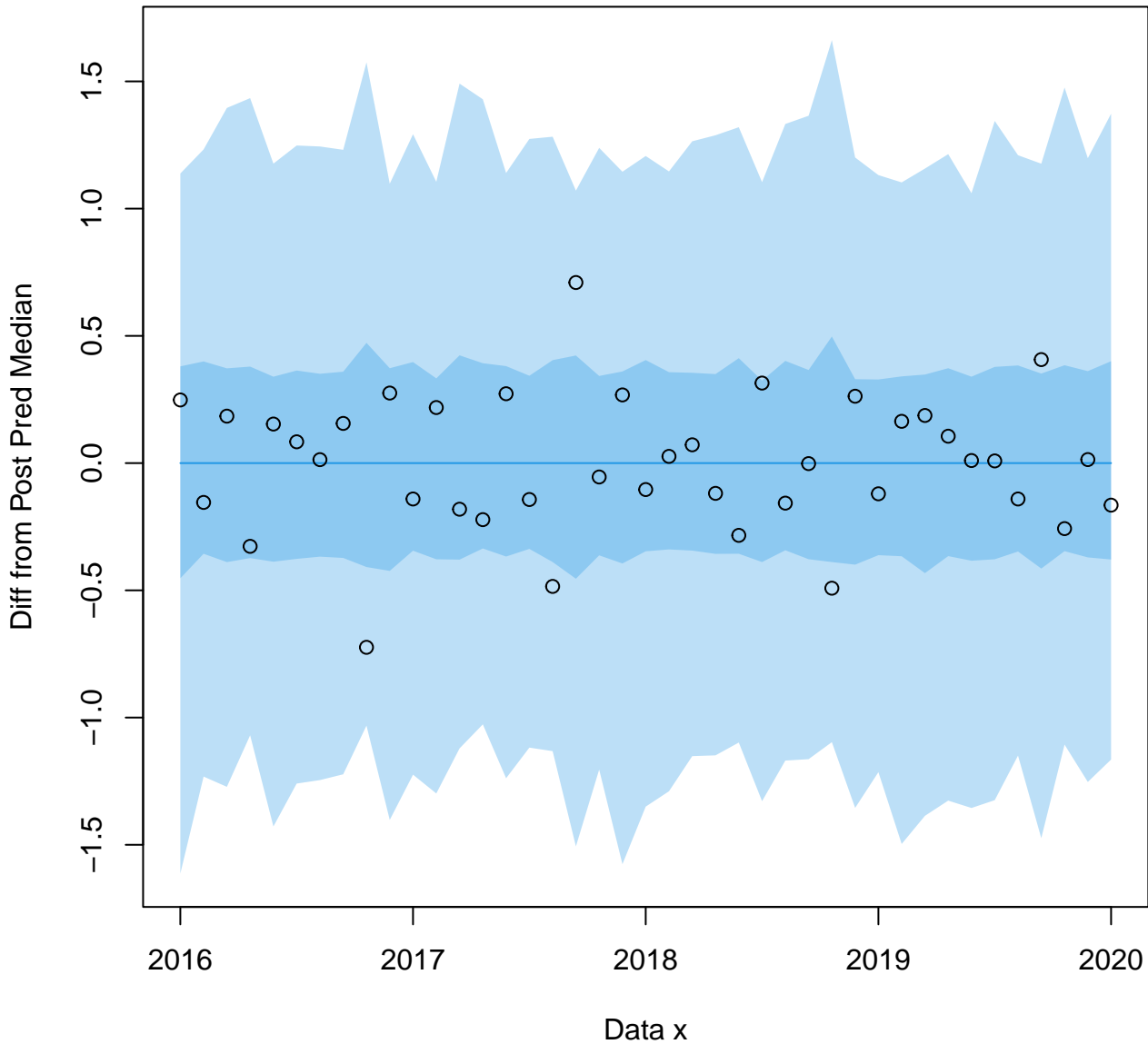


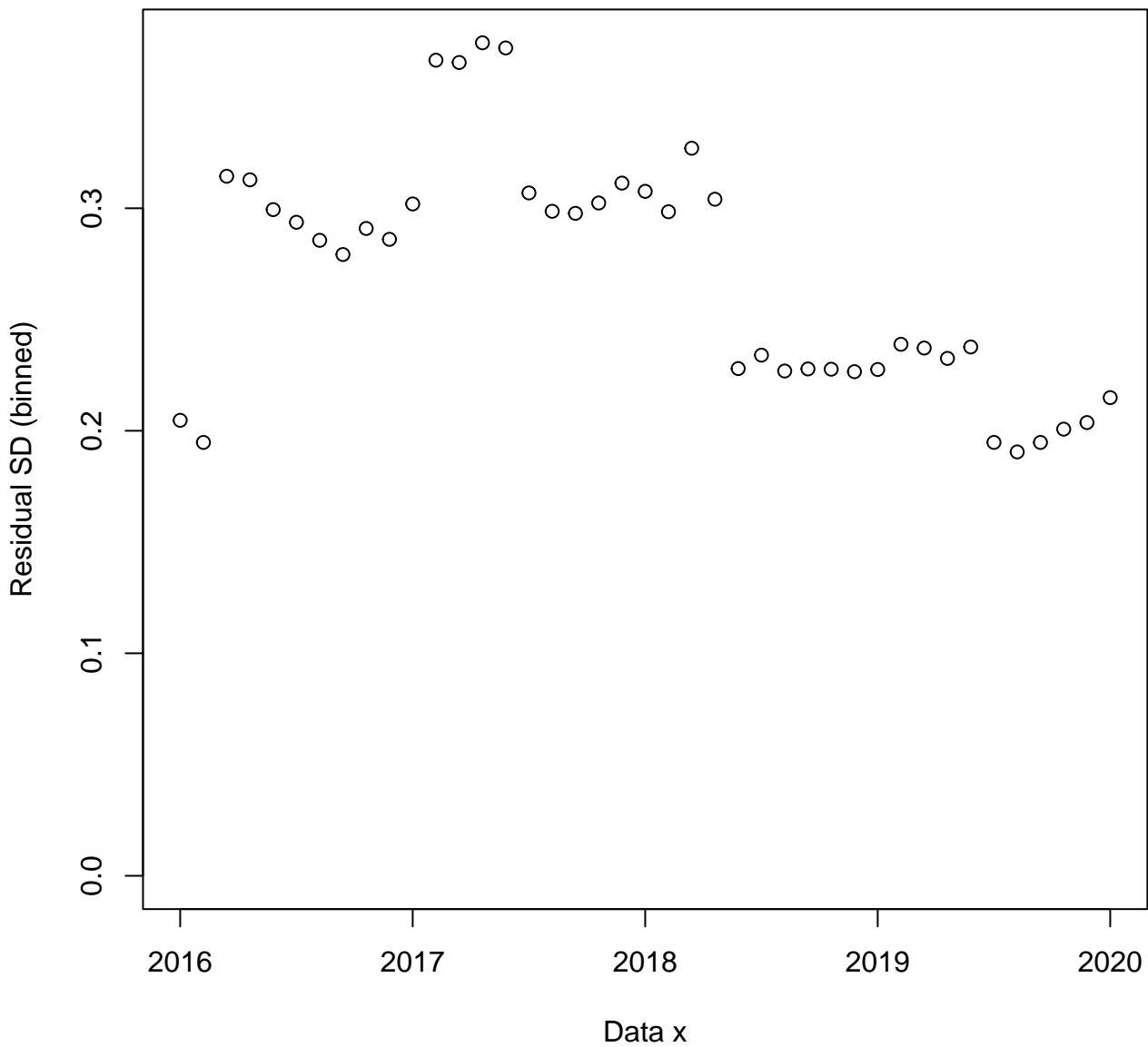


Data y & Post Pred y vs. Data x

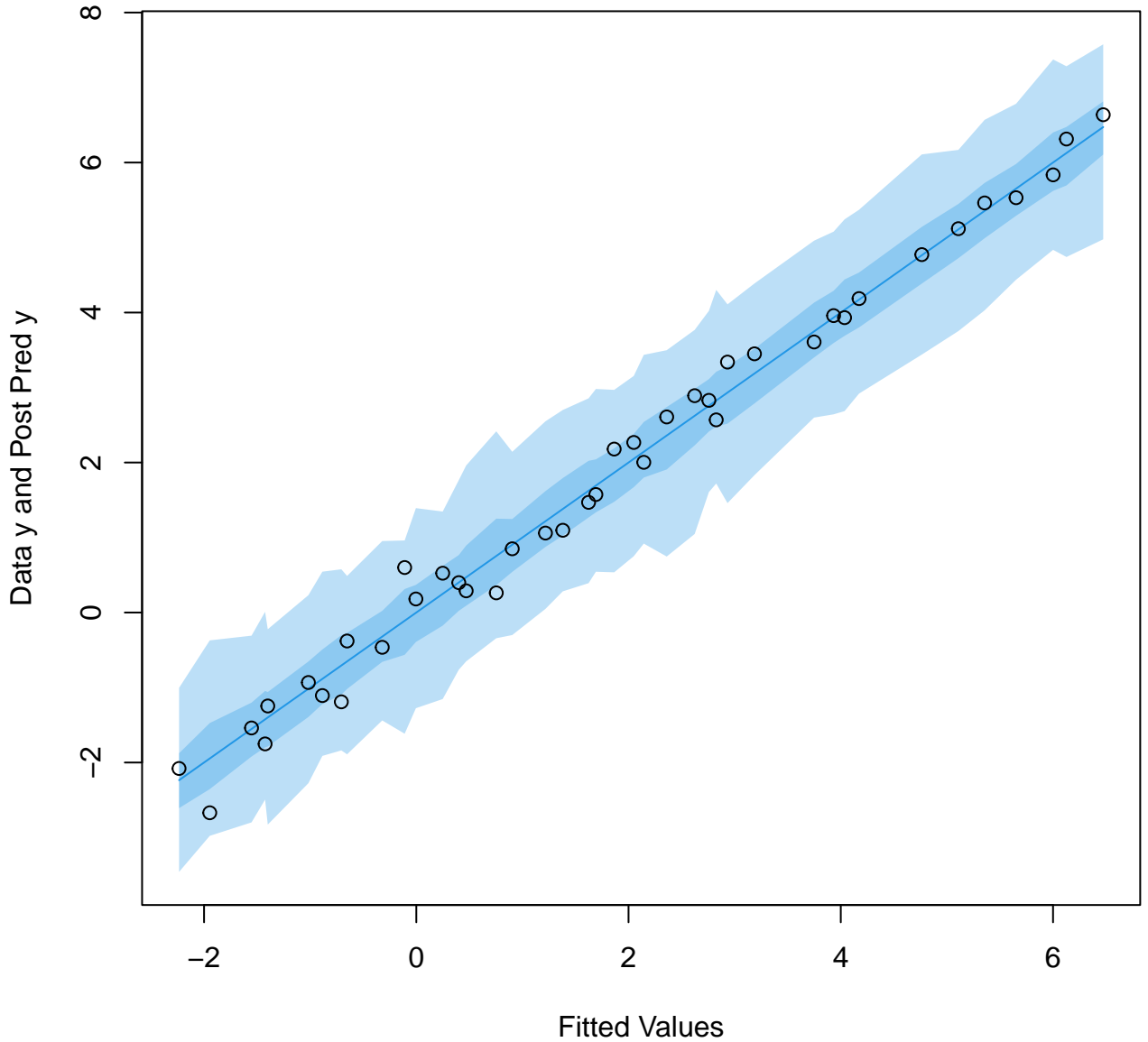


Residuals & PP Residual vs. Data x

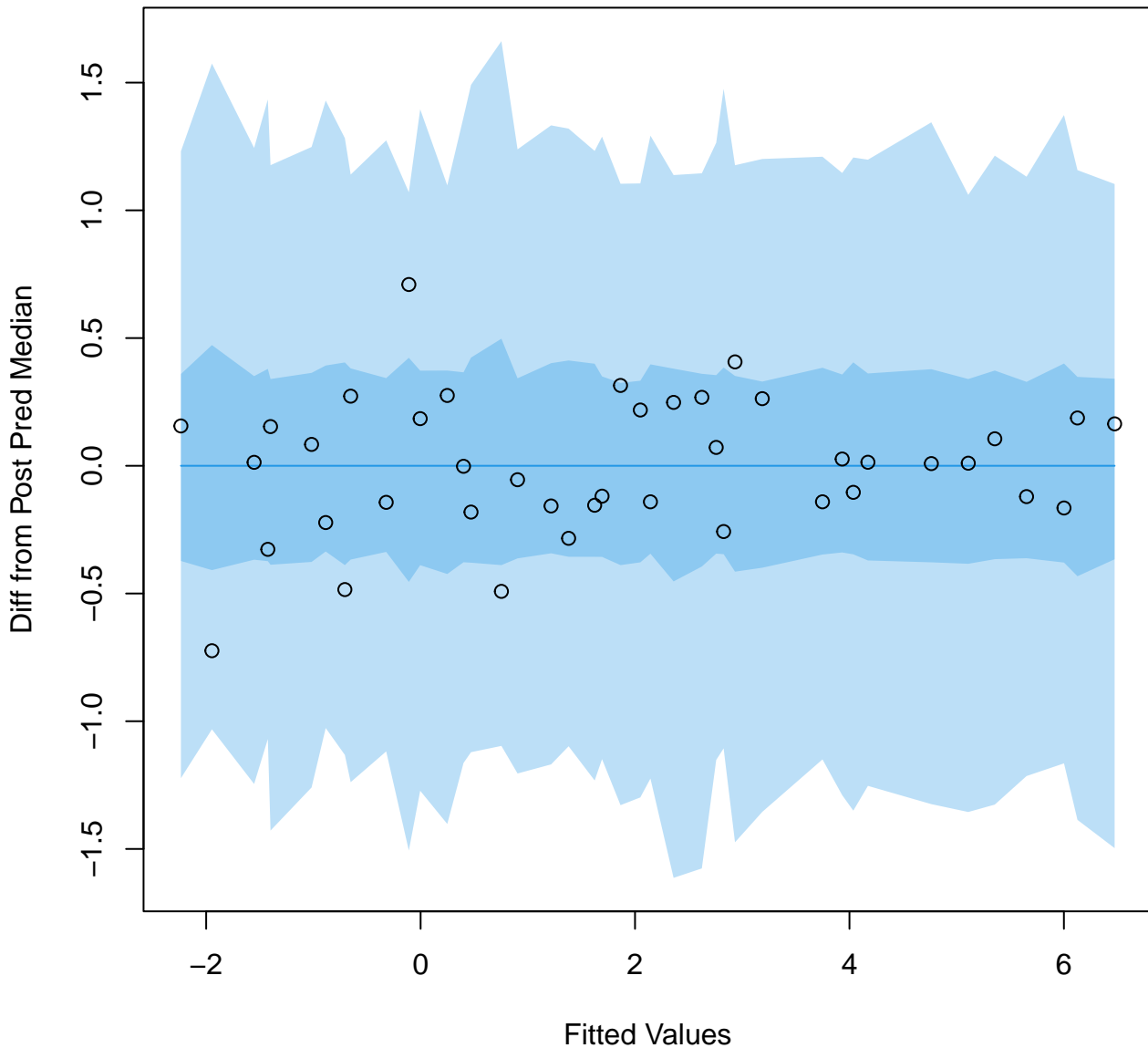


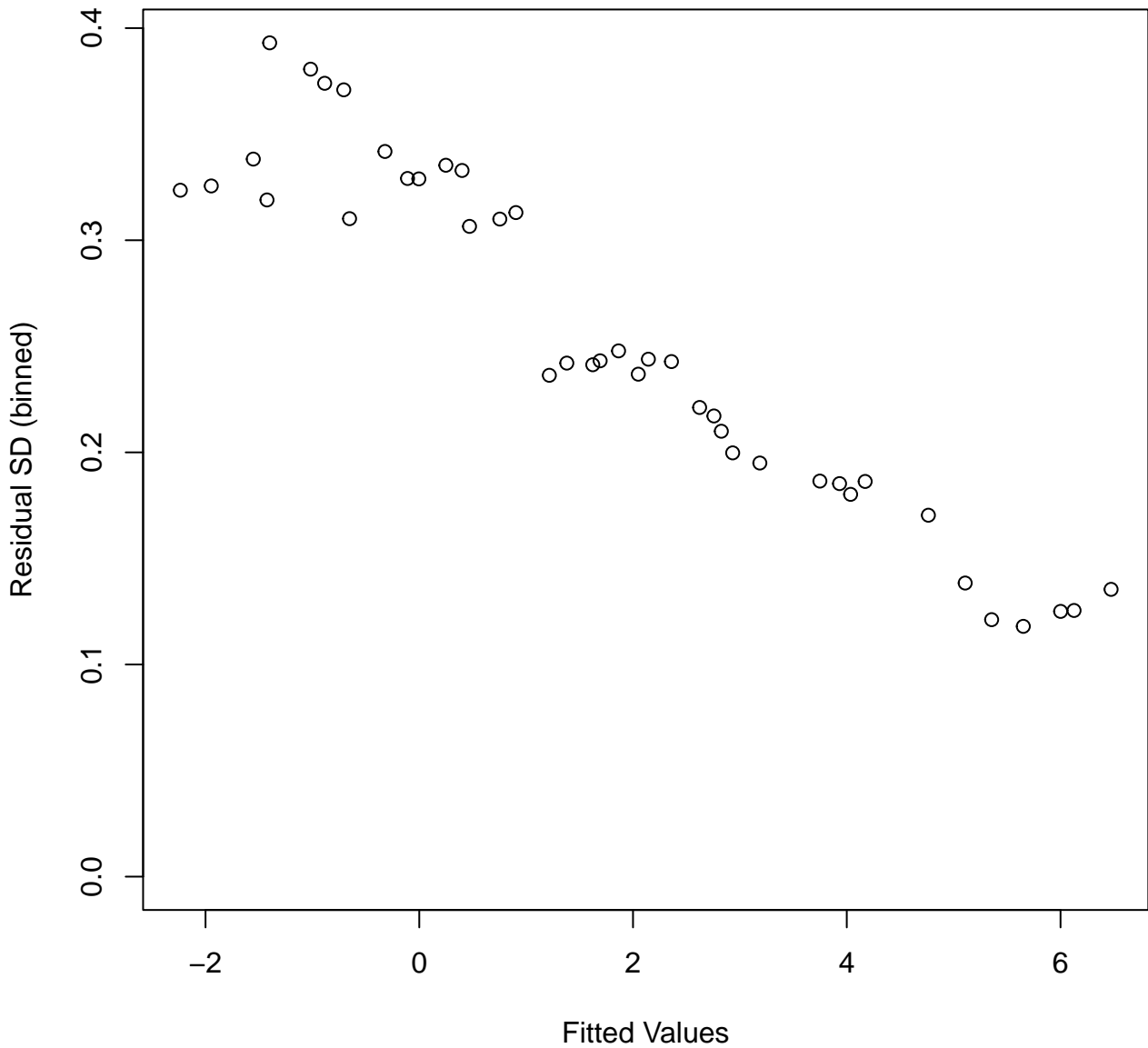


Data y & Post Pred y vs. Fitted Values

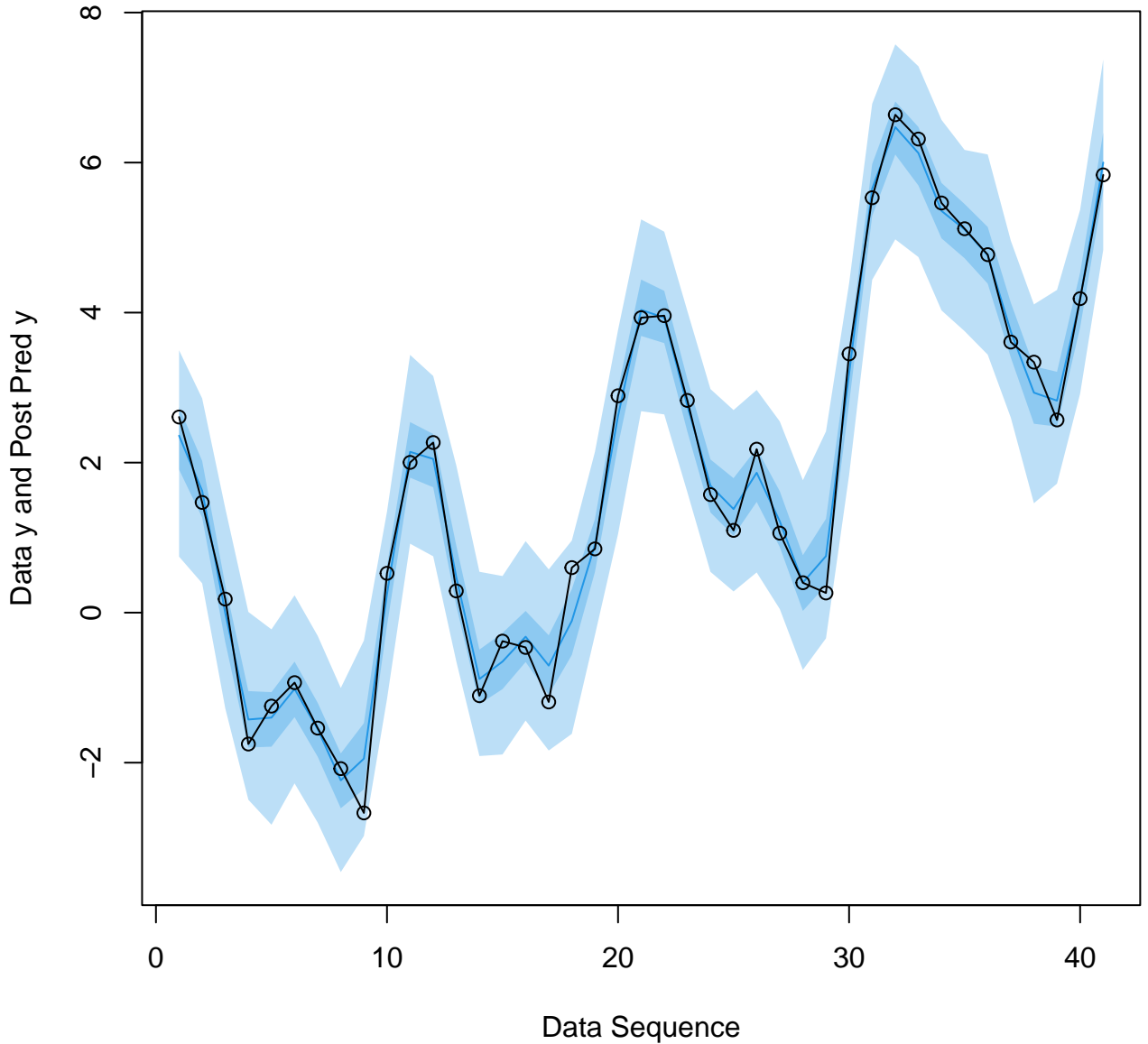


Residuals & PP Residual vs. Fitted Values

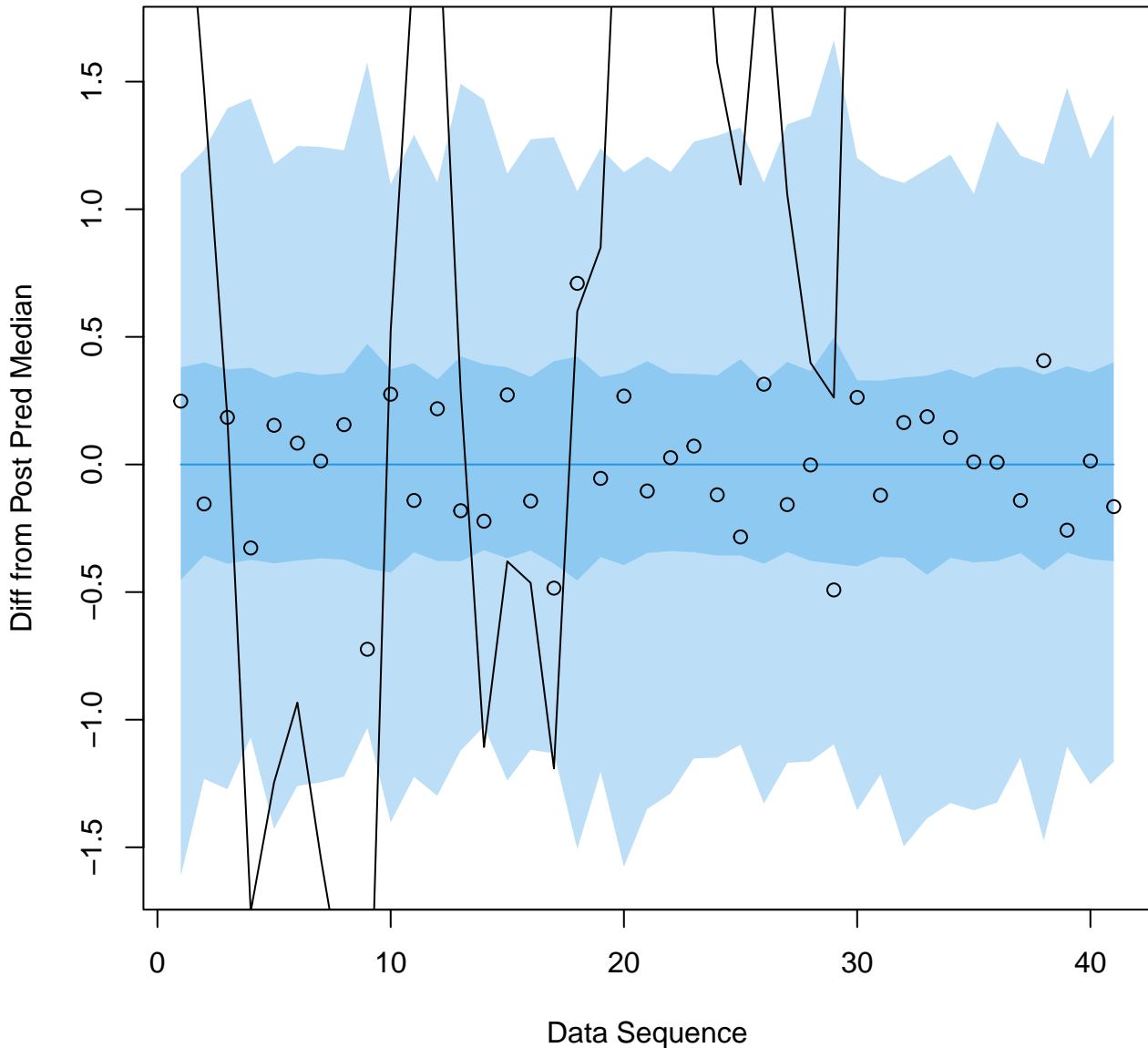


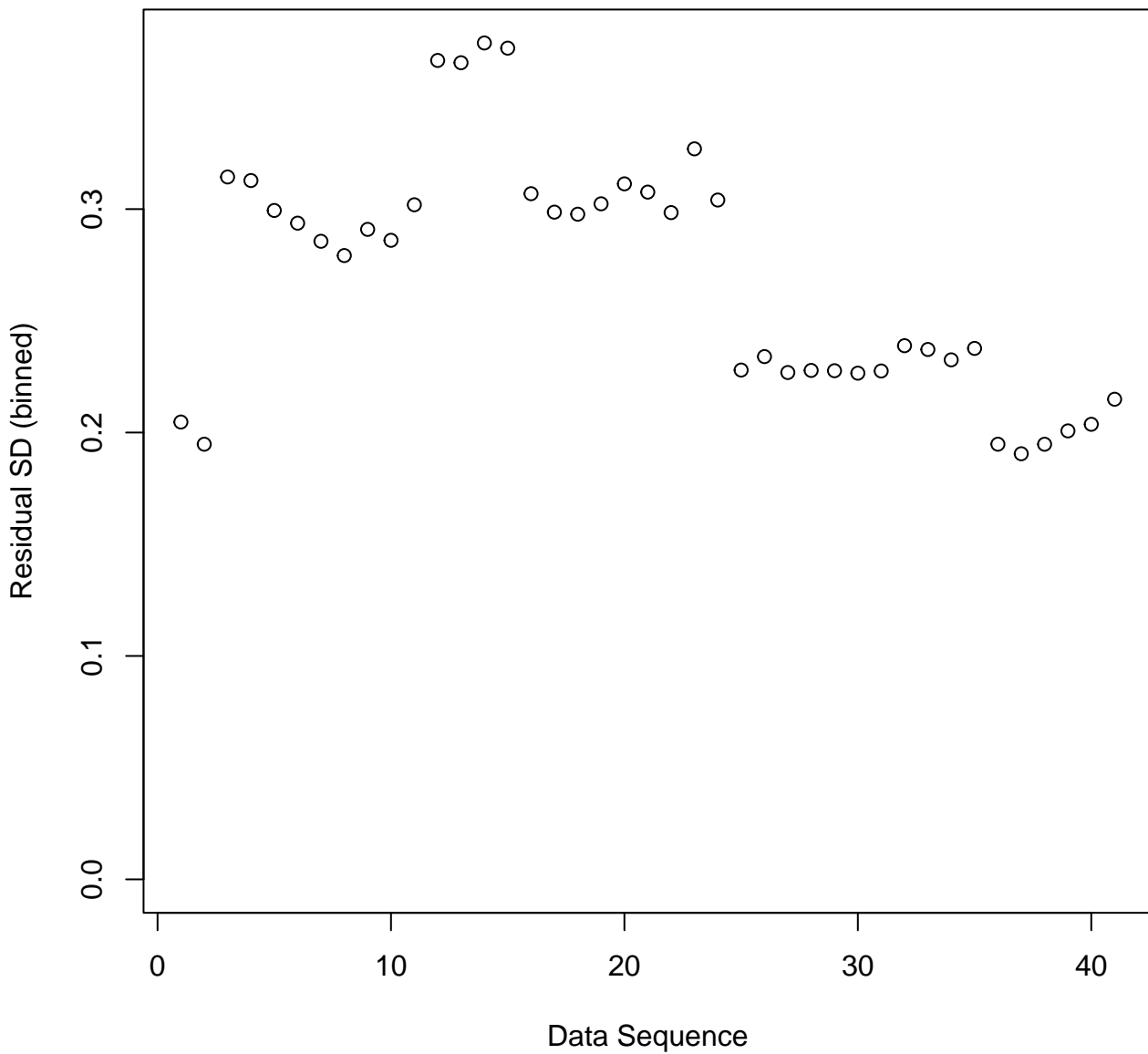


**Data y & Post Pred y
vs. Data Sequence**

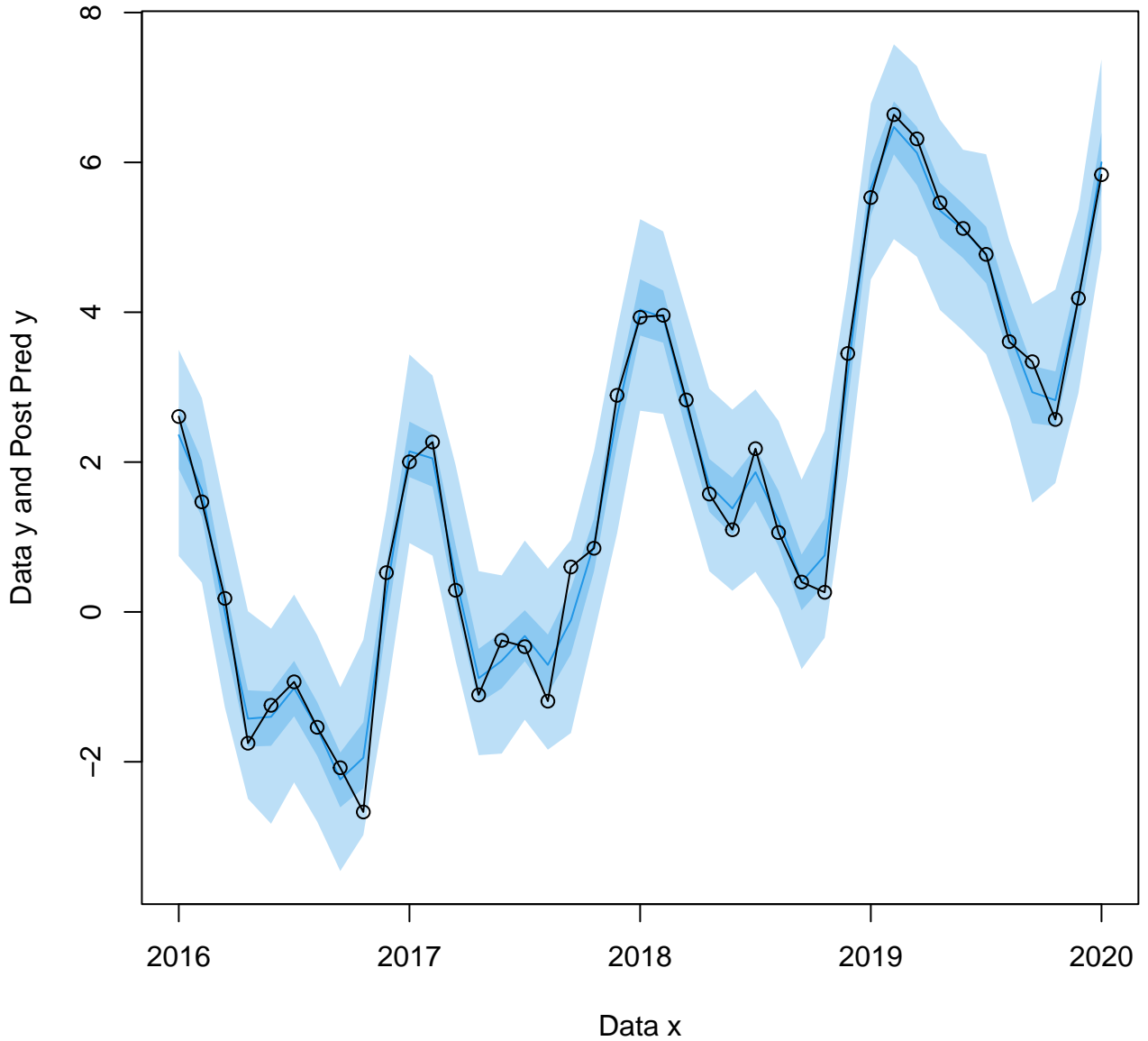


Residuals & PP Residual vs. Data Sequence

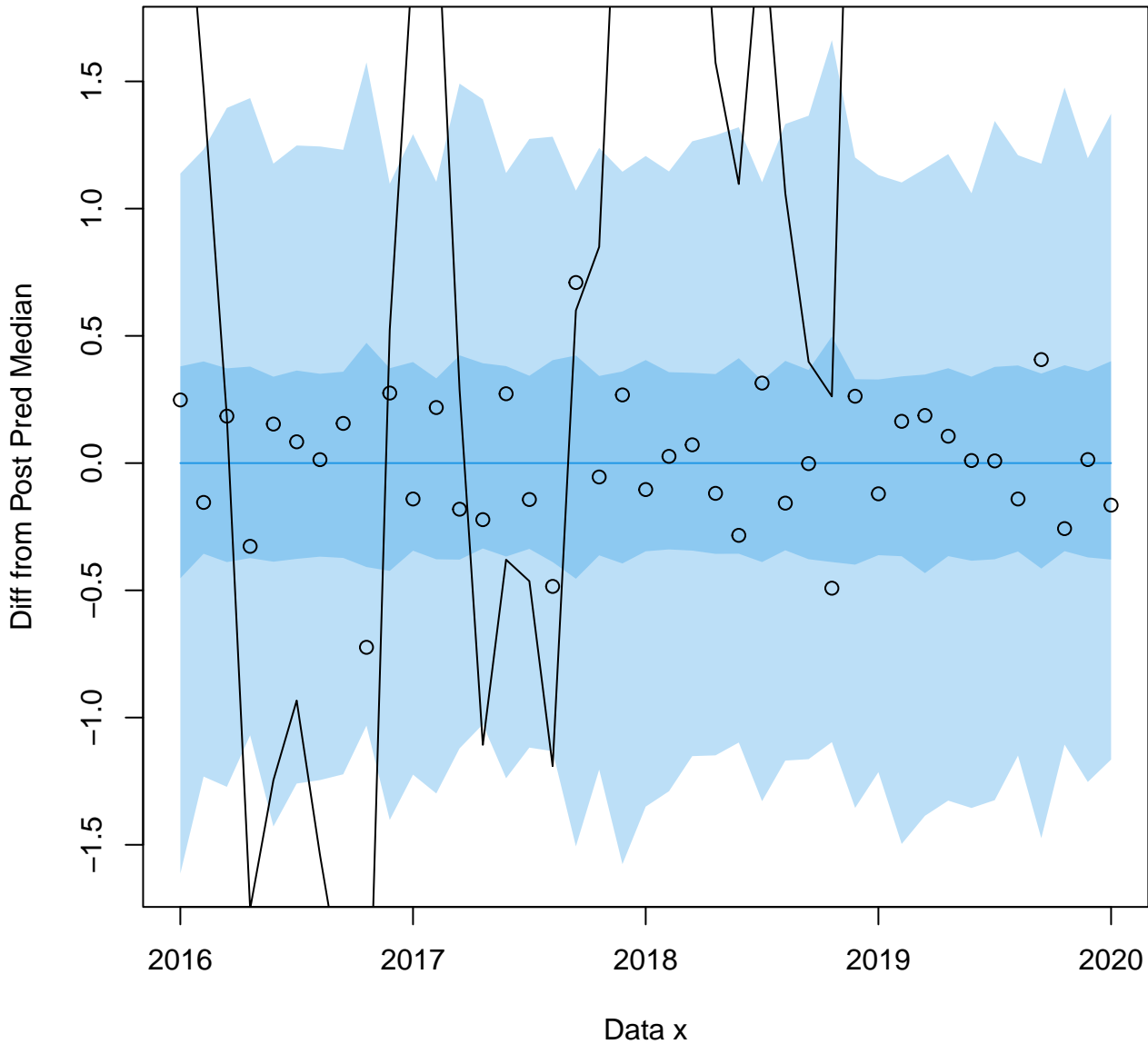


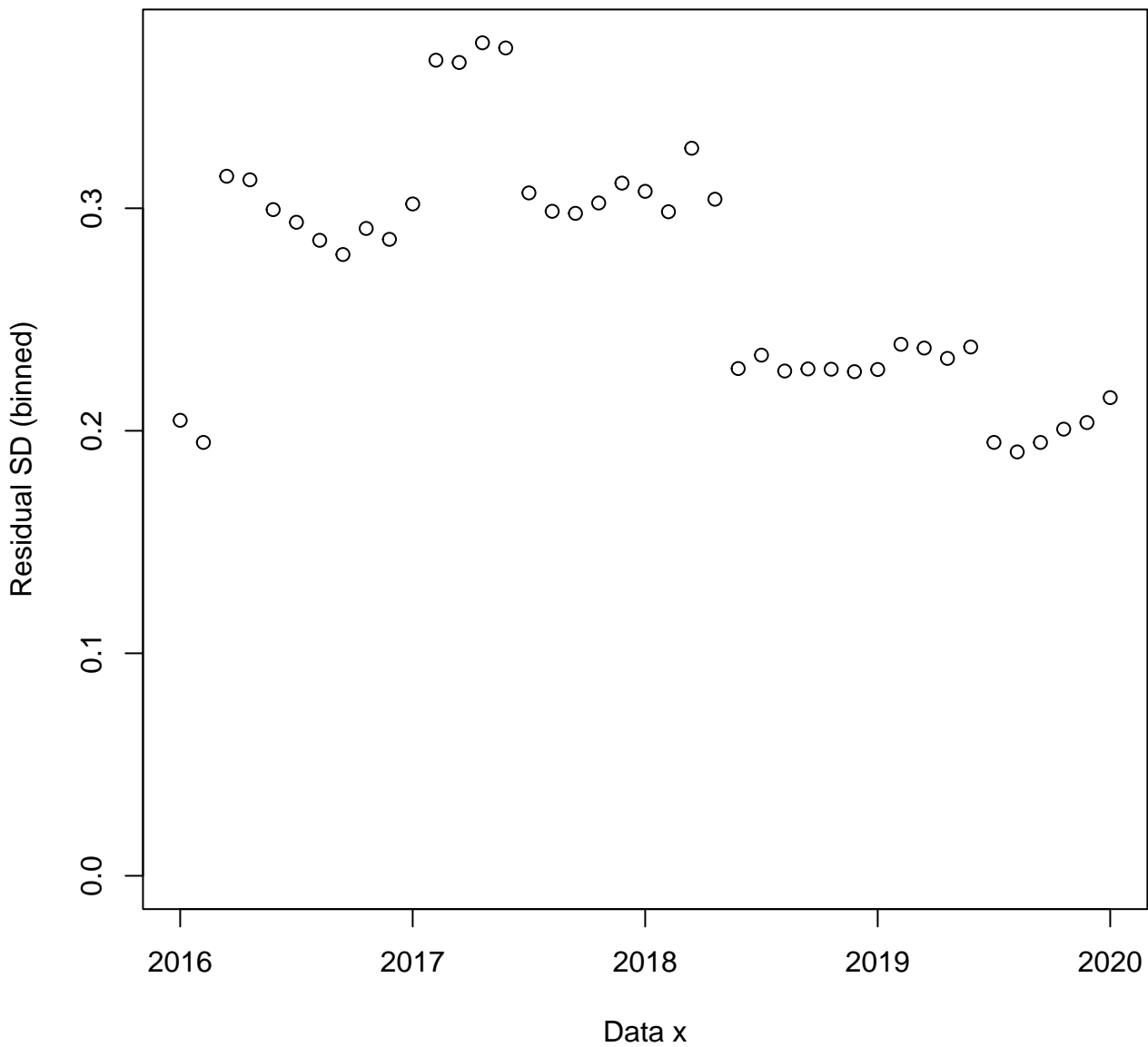


Data y & Post Pred y vs. Data x

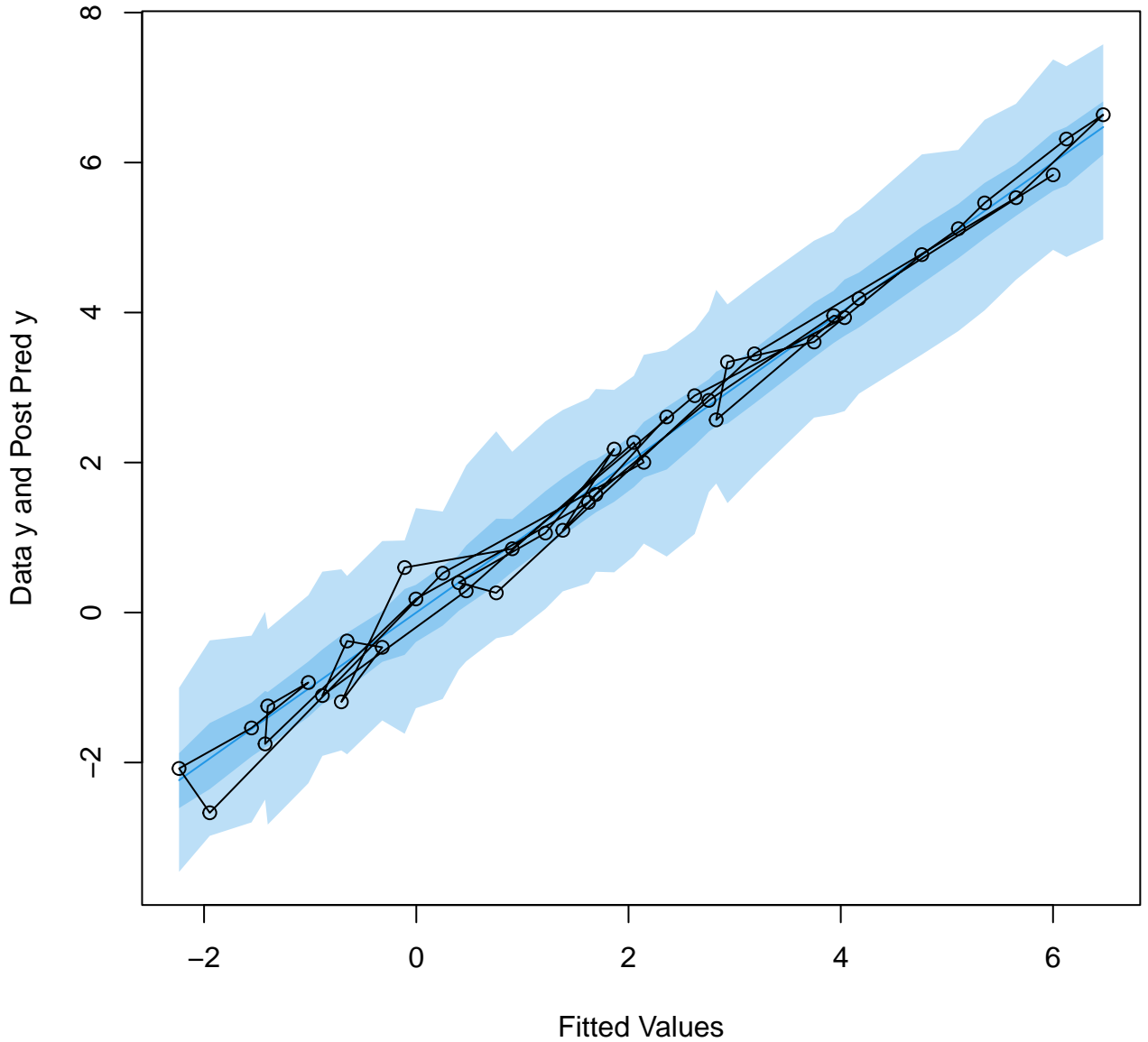


Residuals & PP Residual vs. Data x

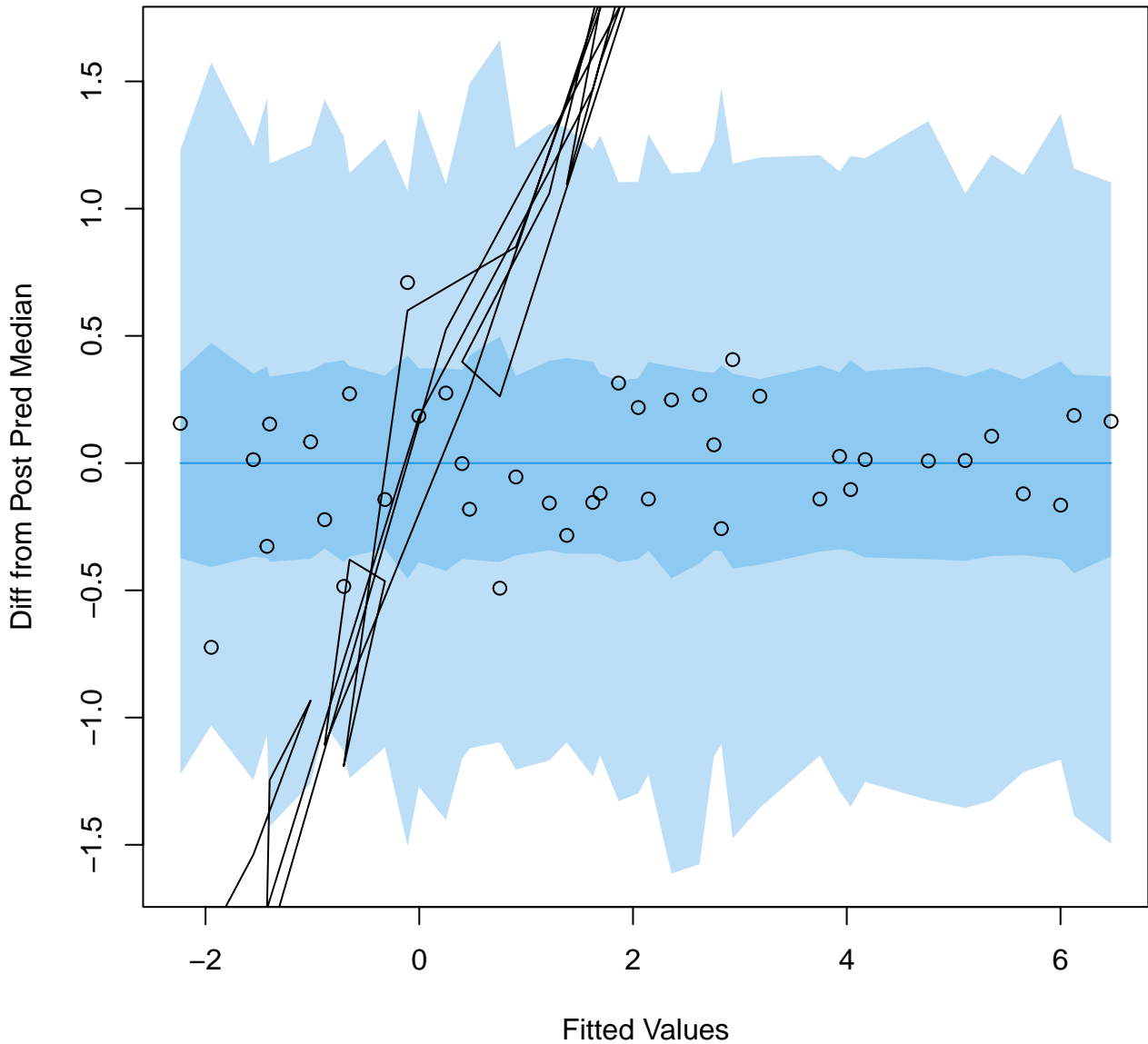


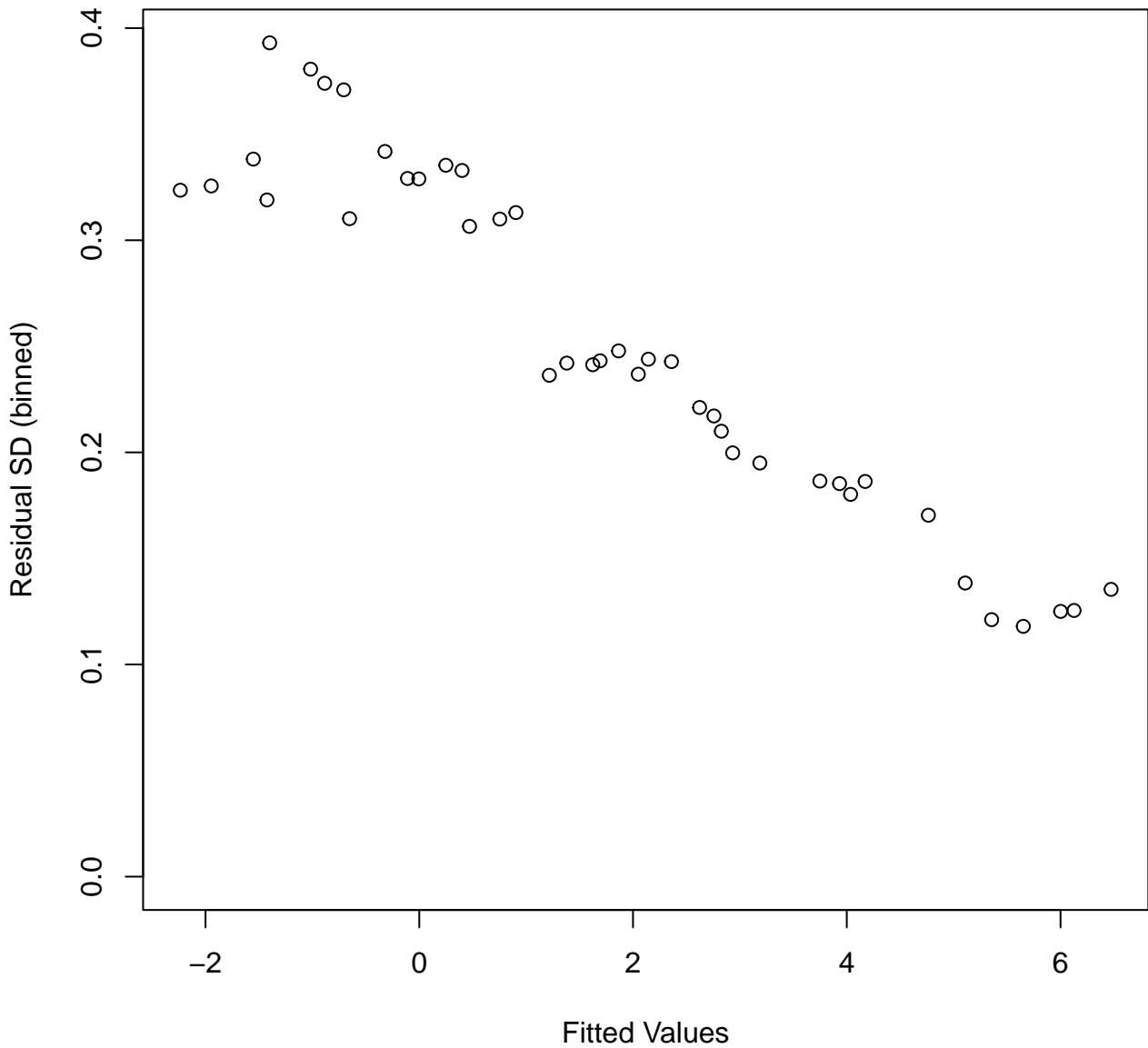


Data y & Post Pred y vs. Fitted Values

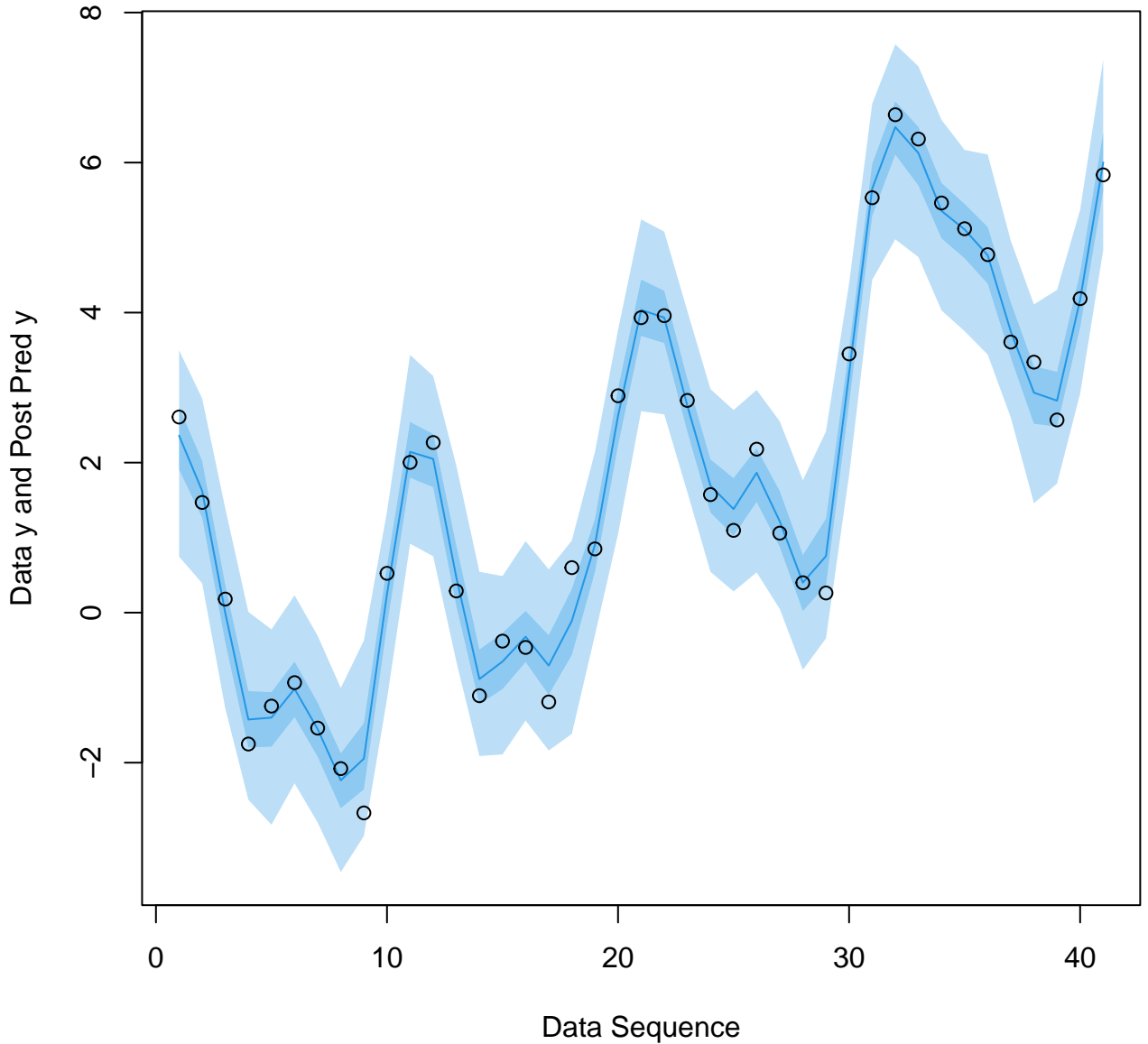


Residuals & PP Residual vs. Fitted Values

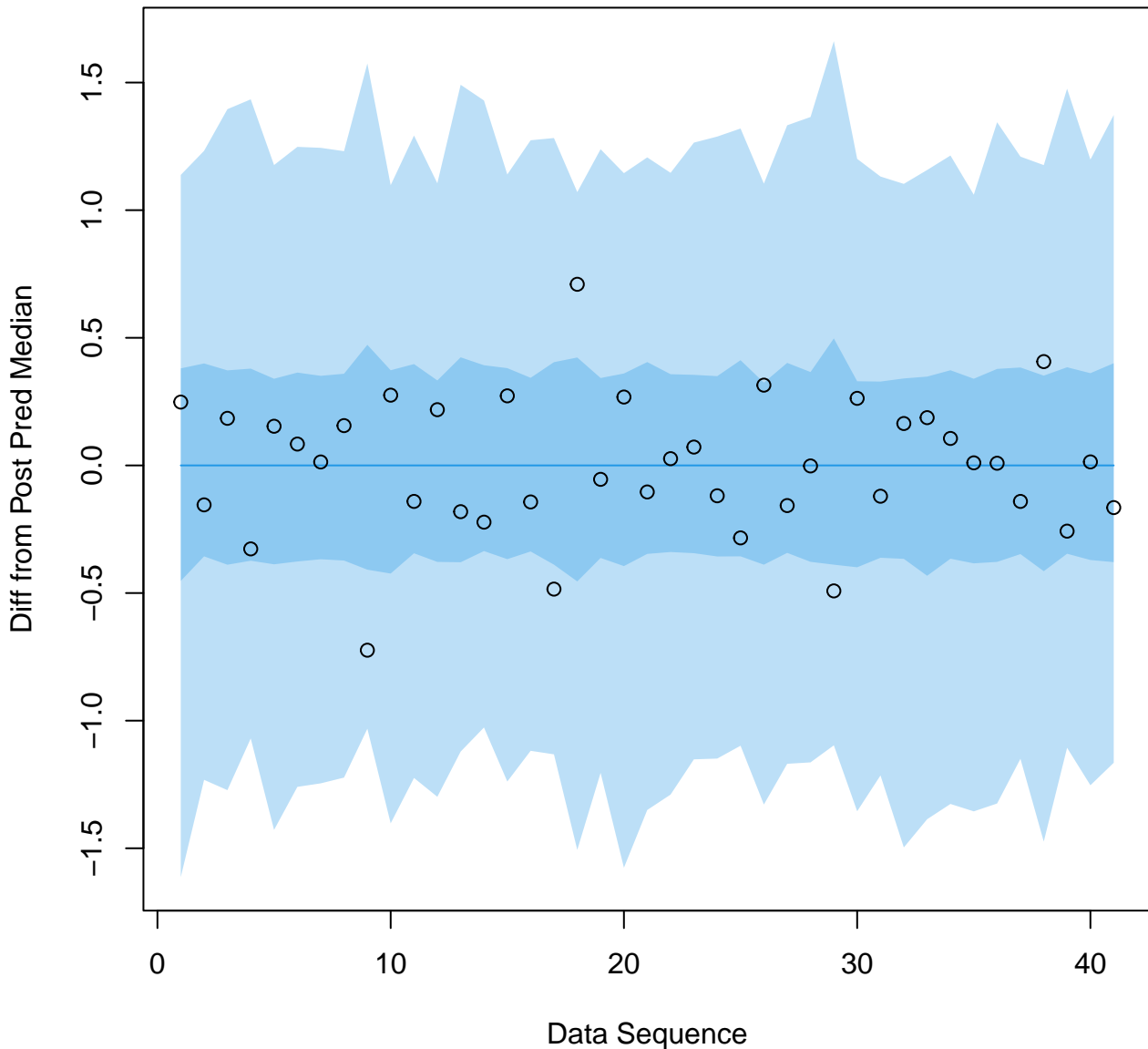


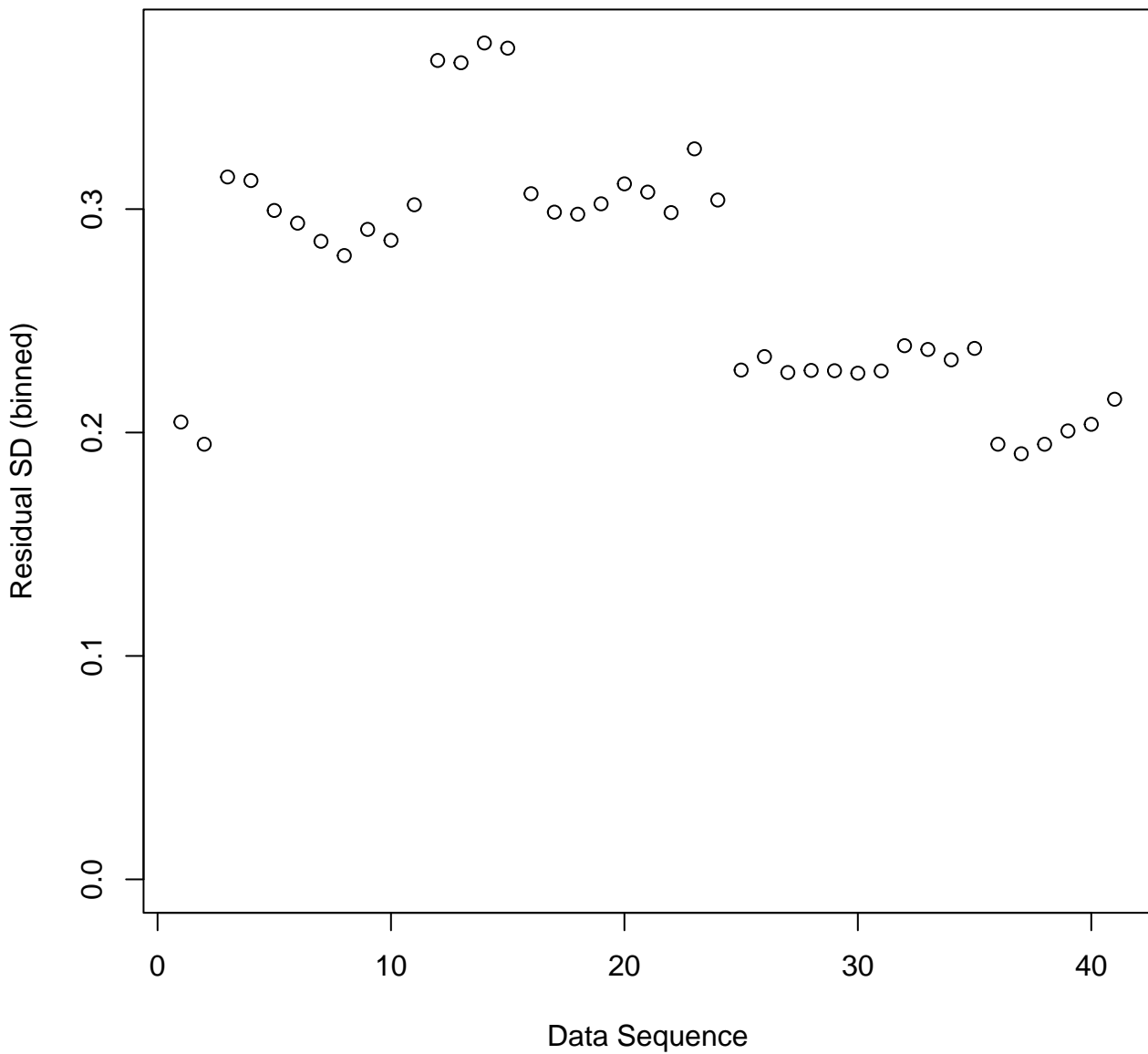


**Data y & Post Pred y
vs. Data Sequence**

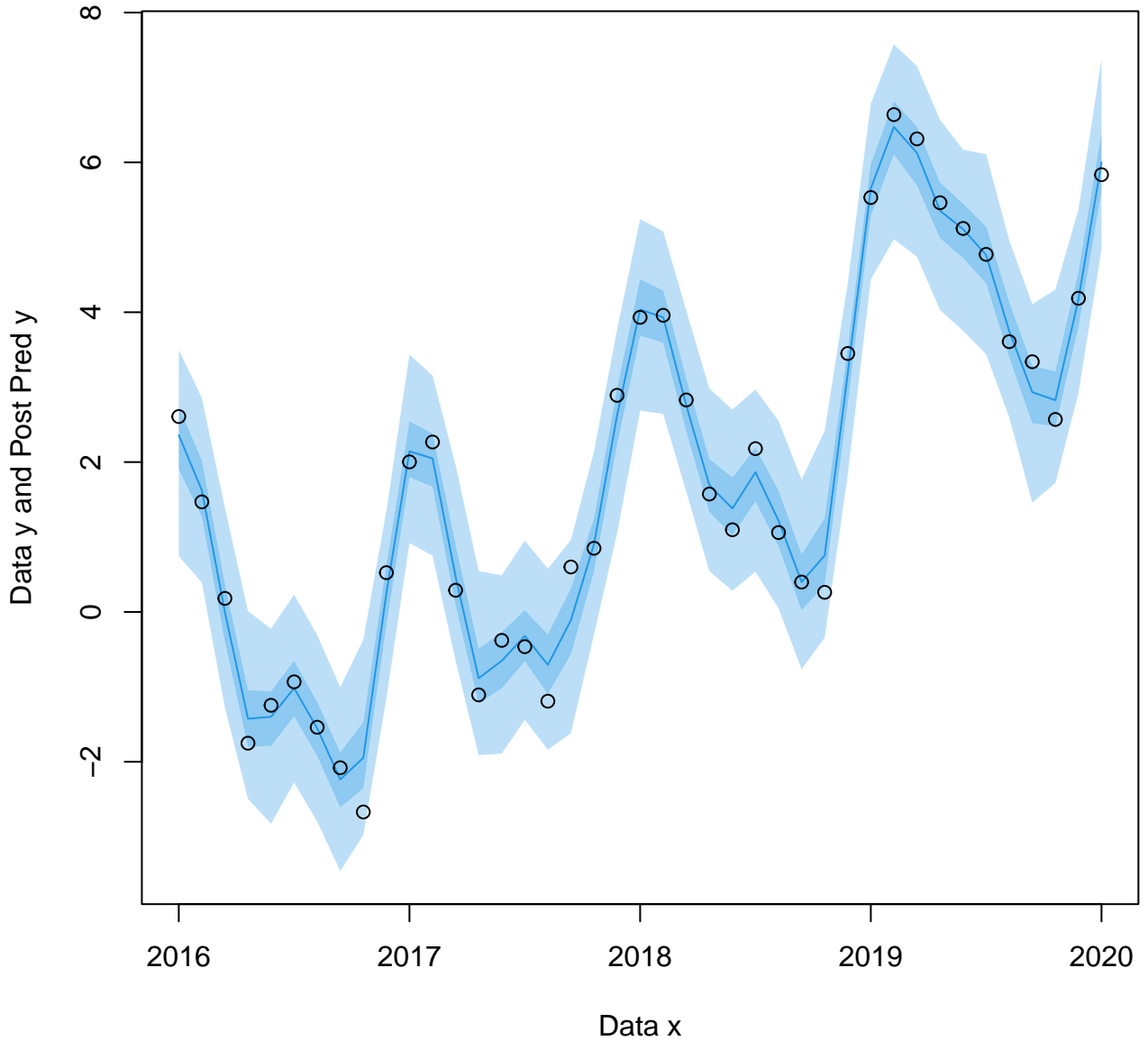


Residuals & PP Residual vs. Data Sequence

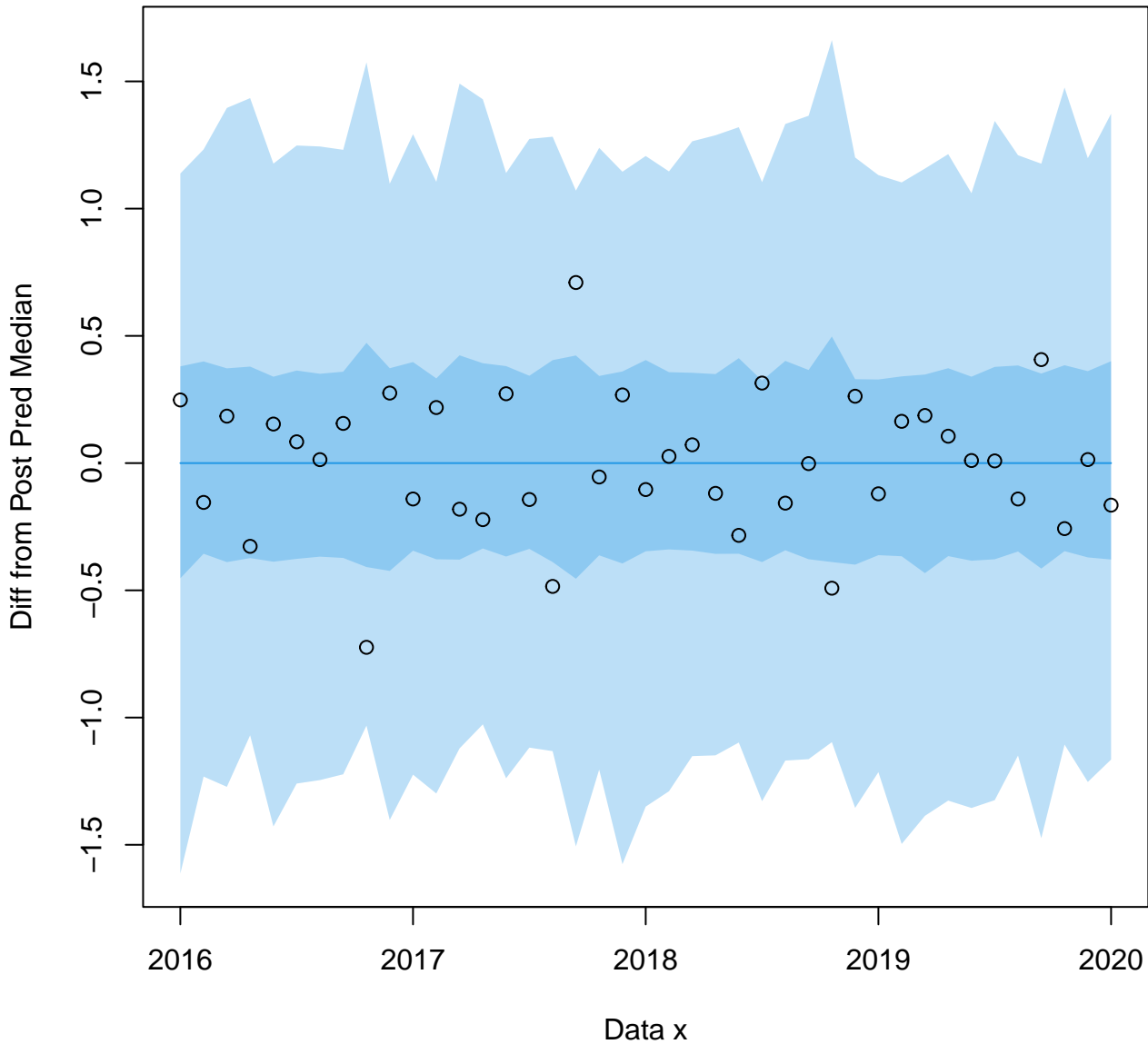


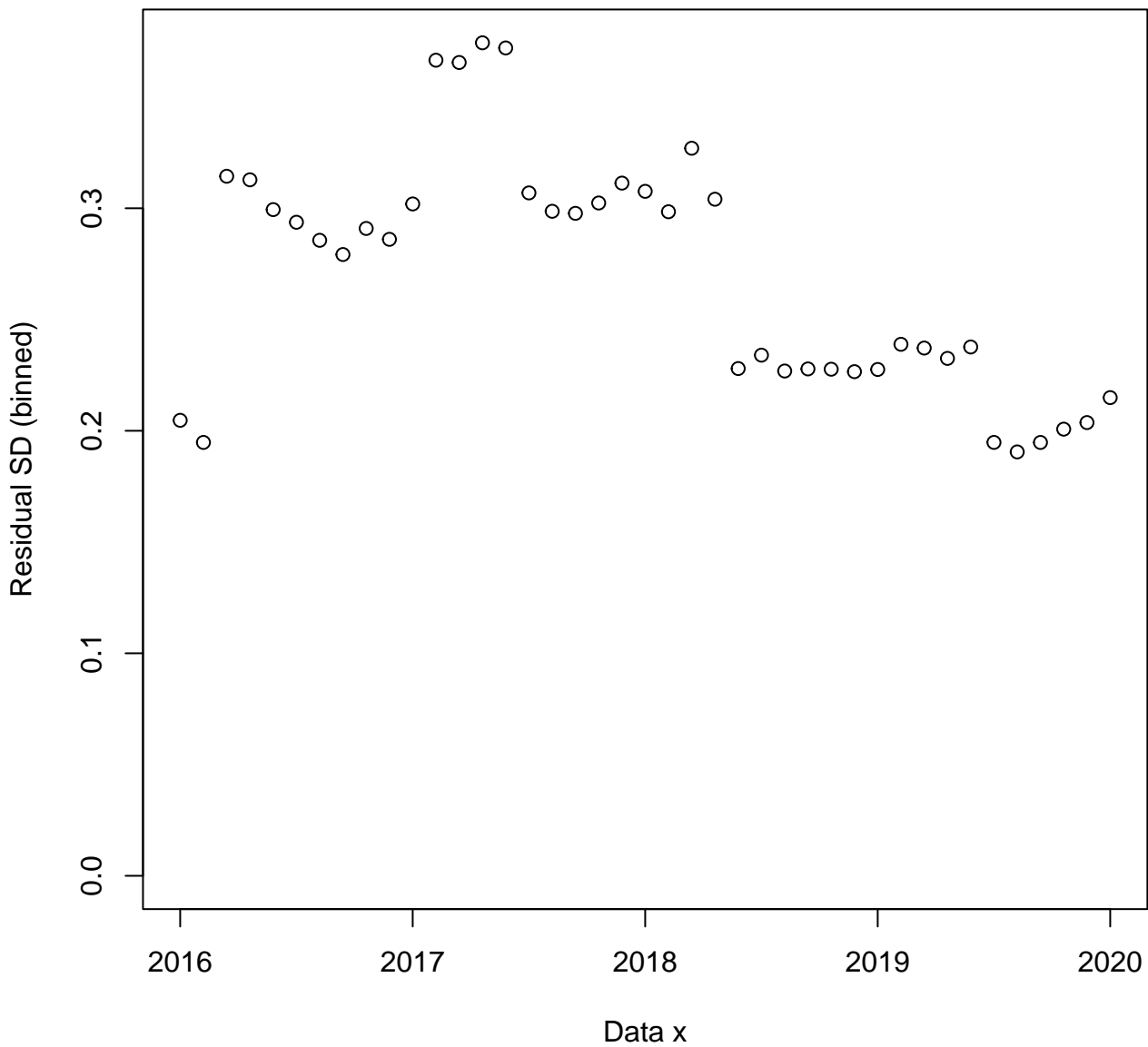


Data y & Post Pred y vs. Data x

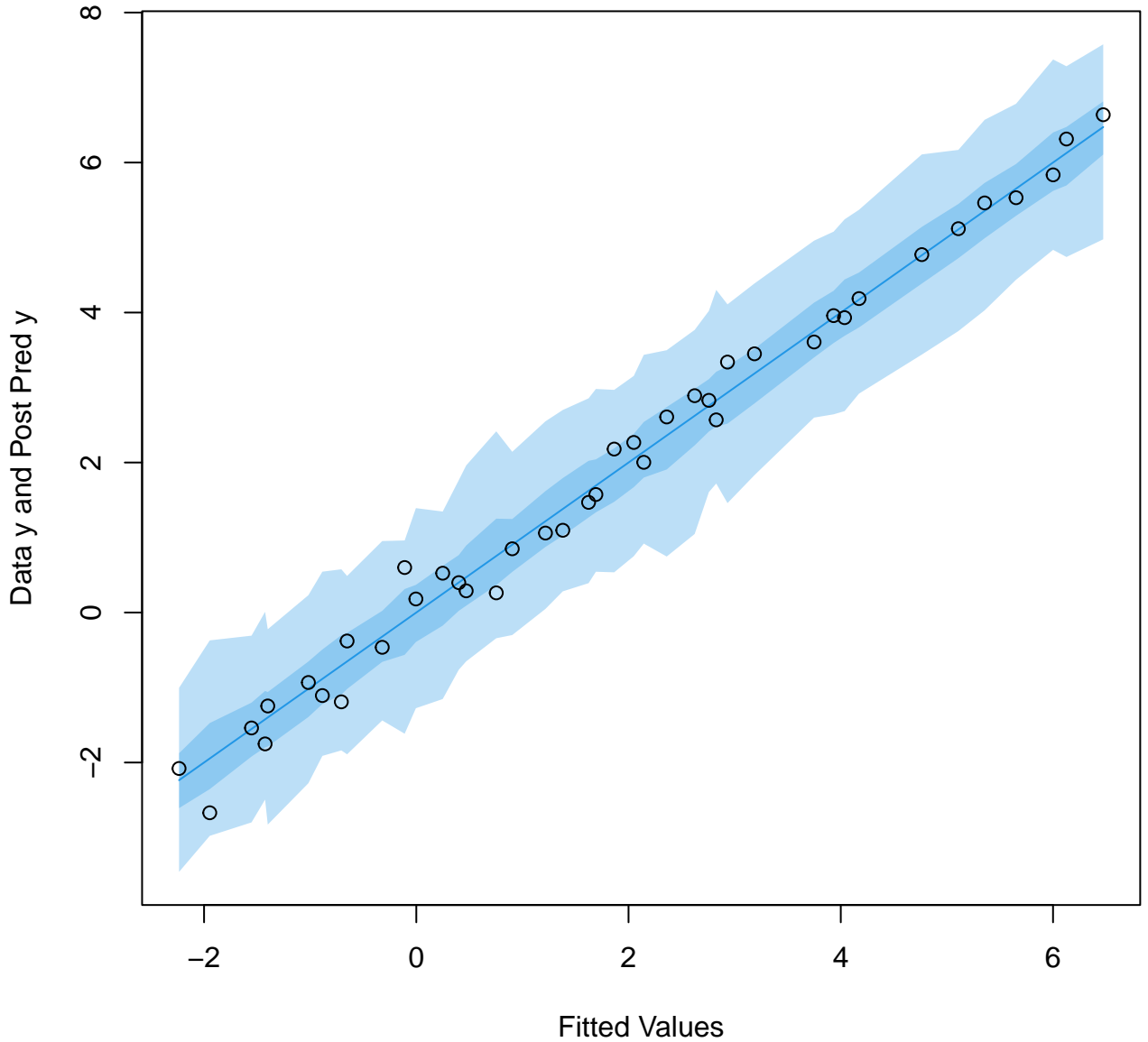


Residuals & PP Residual vs. Data x

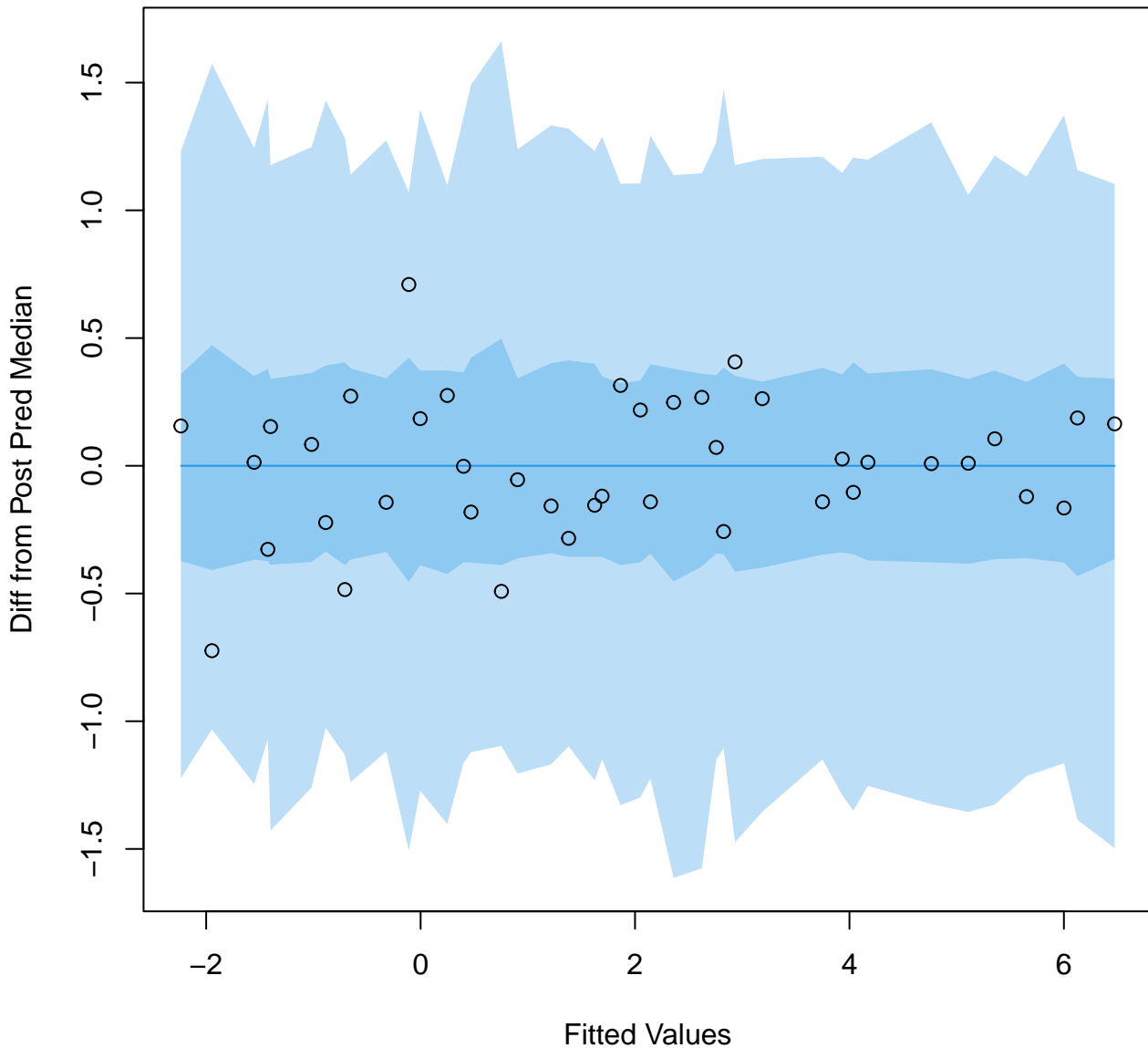


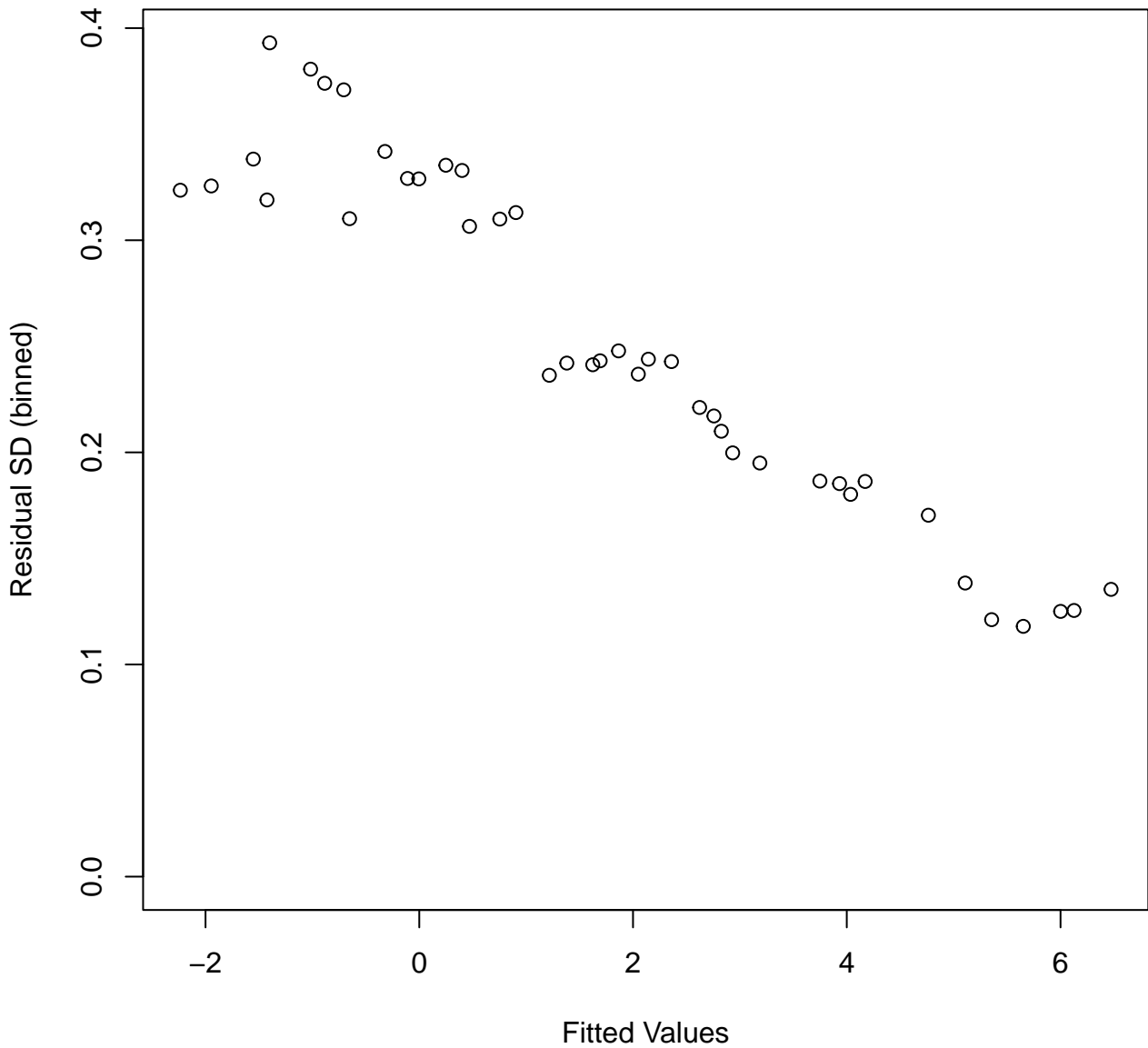


Data y & Post Pred y vs. Fitted Values

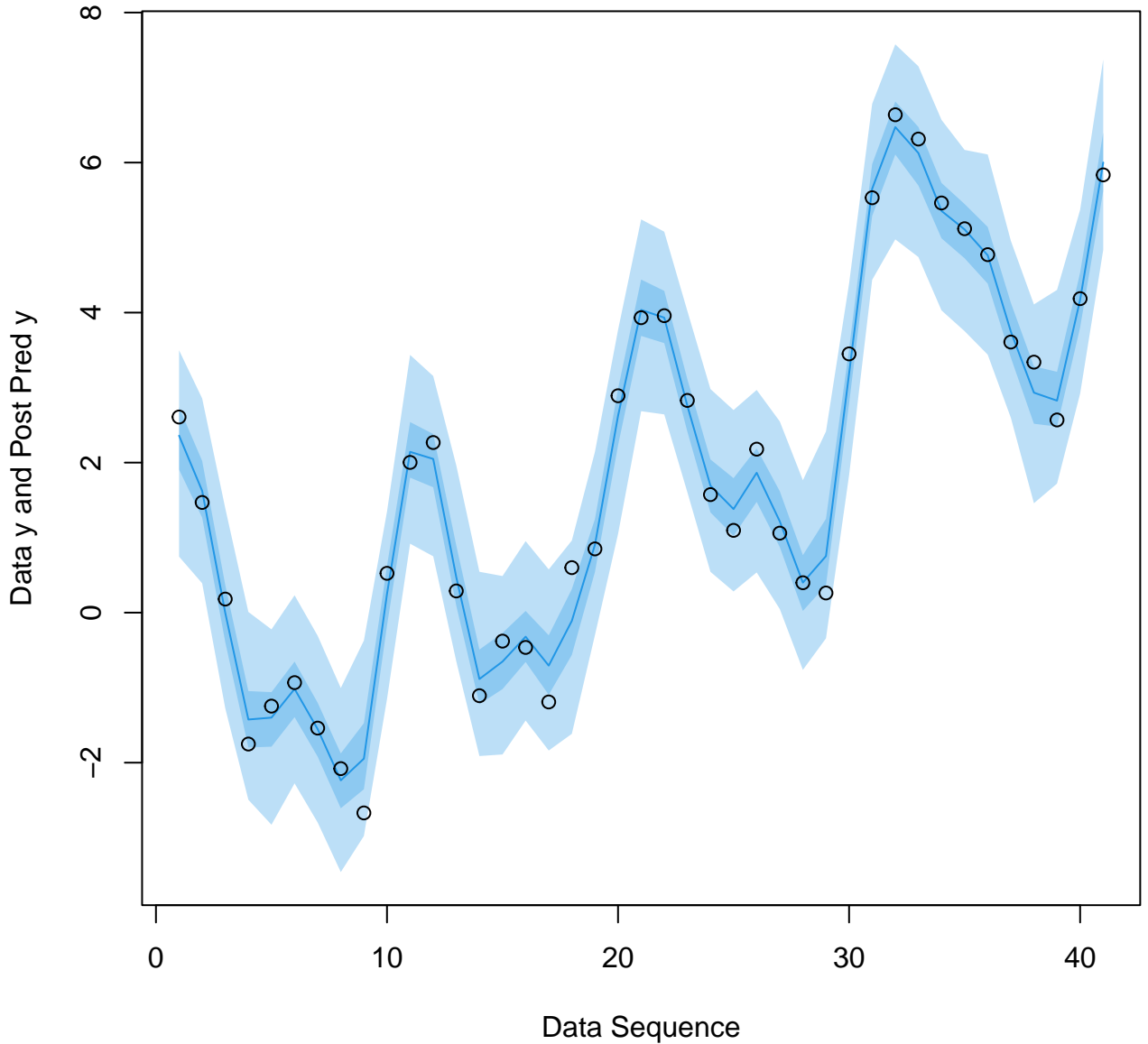


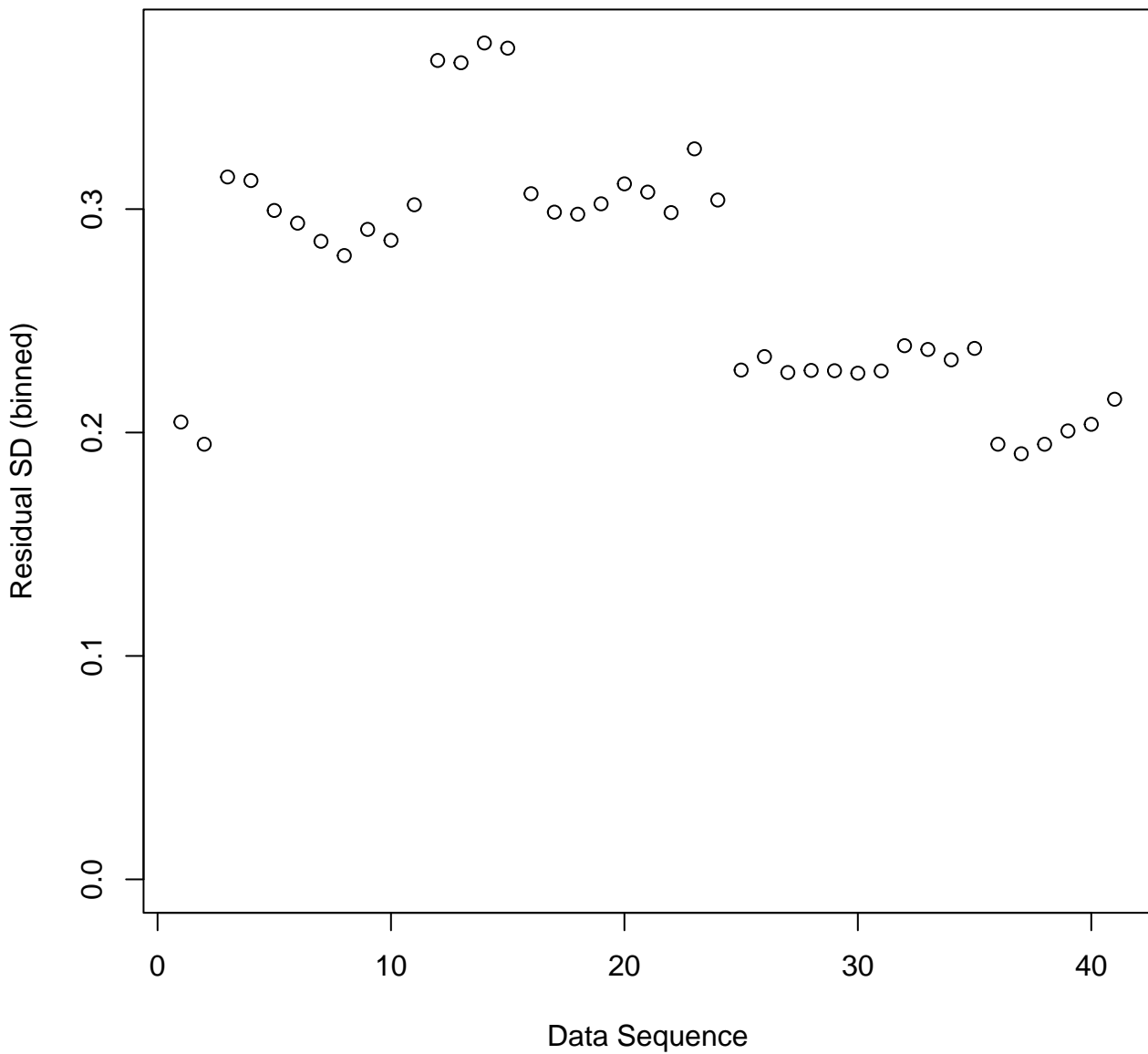
Residuals & PP Residual vs. Fitted Values



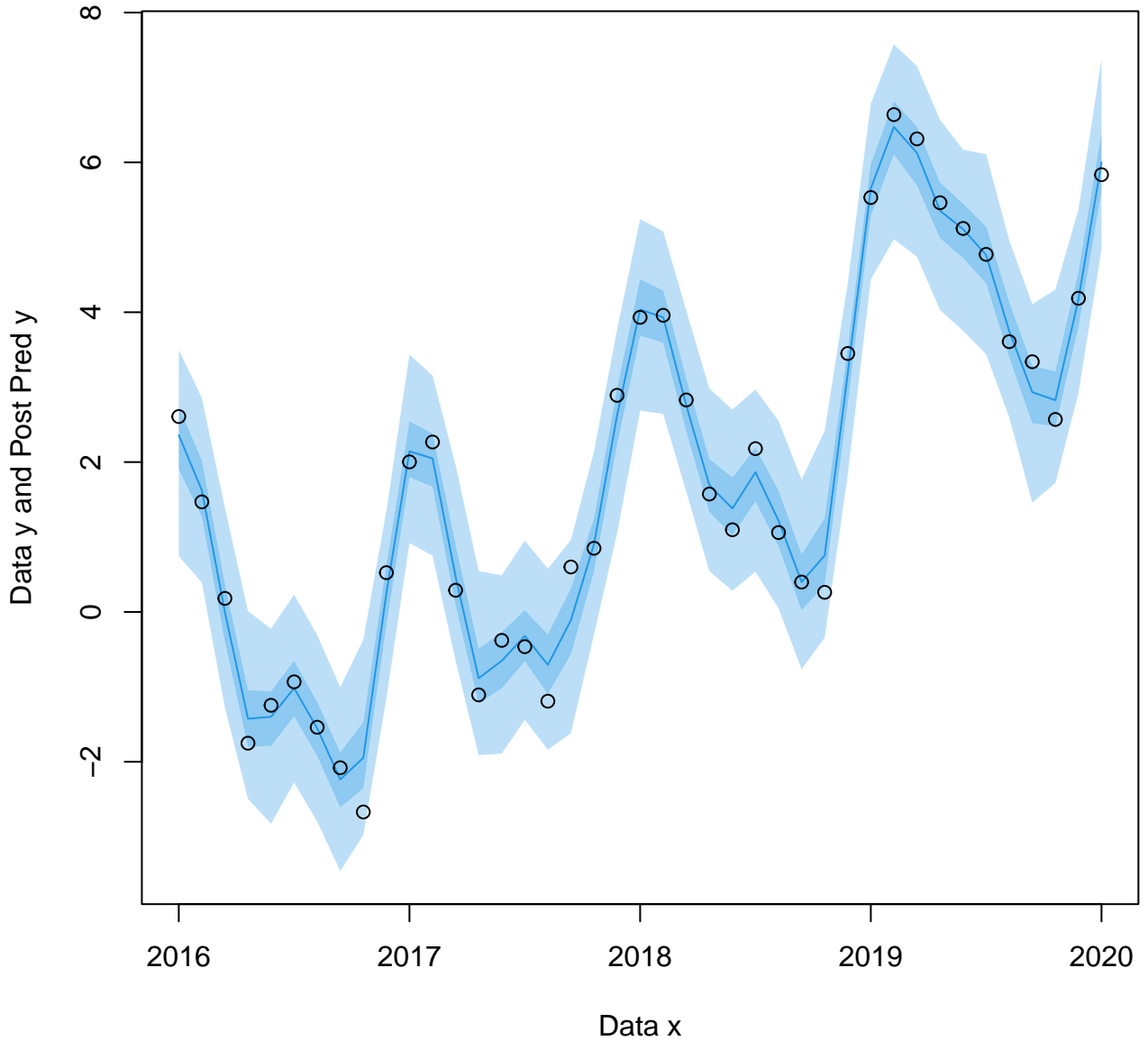


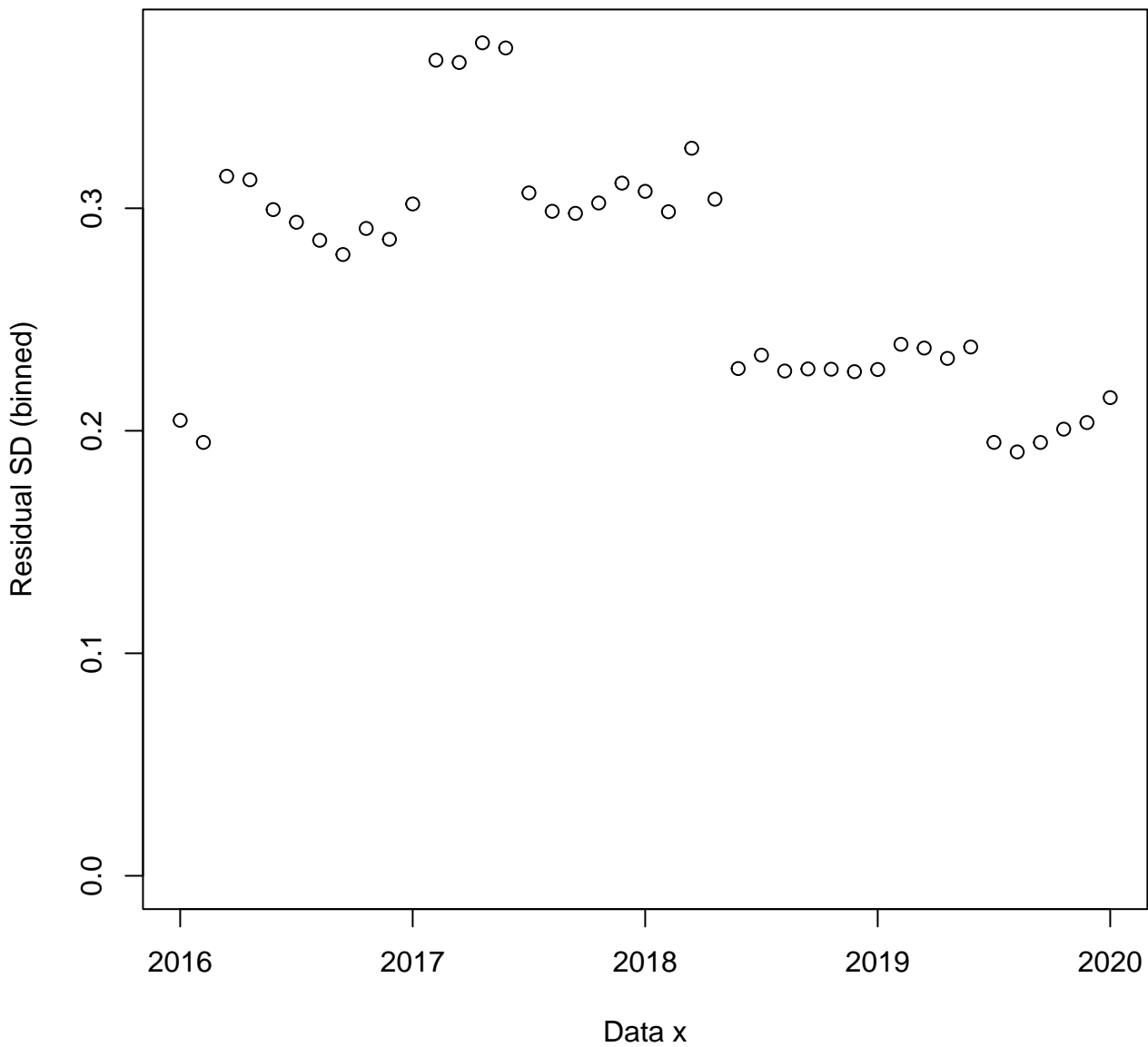
**Data y & Post Pred y
vs. Data Sequence**



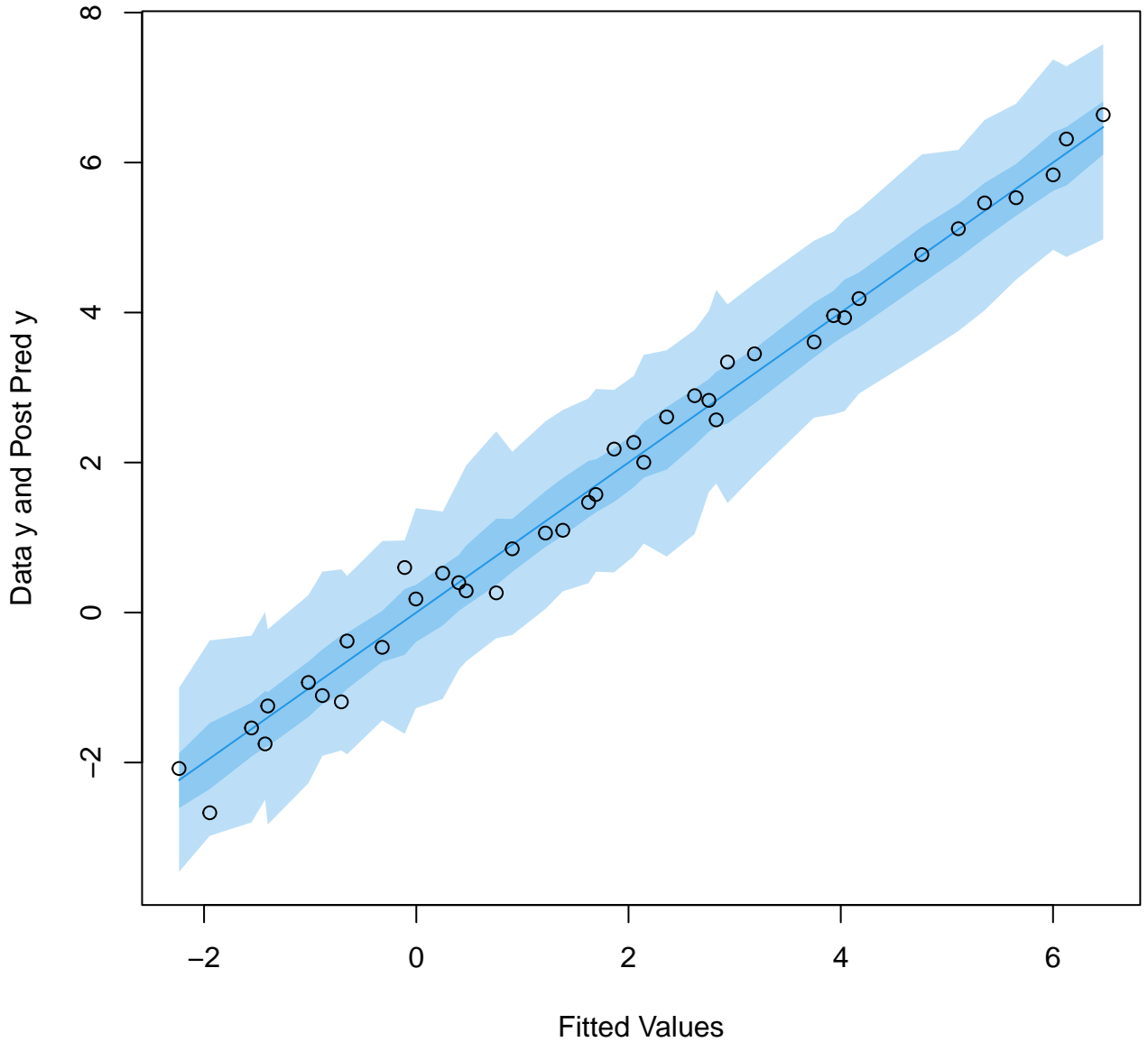


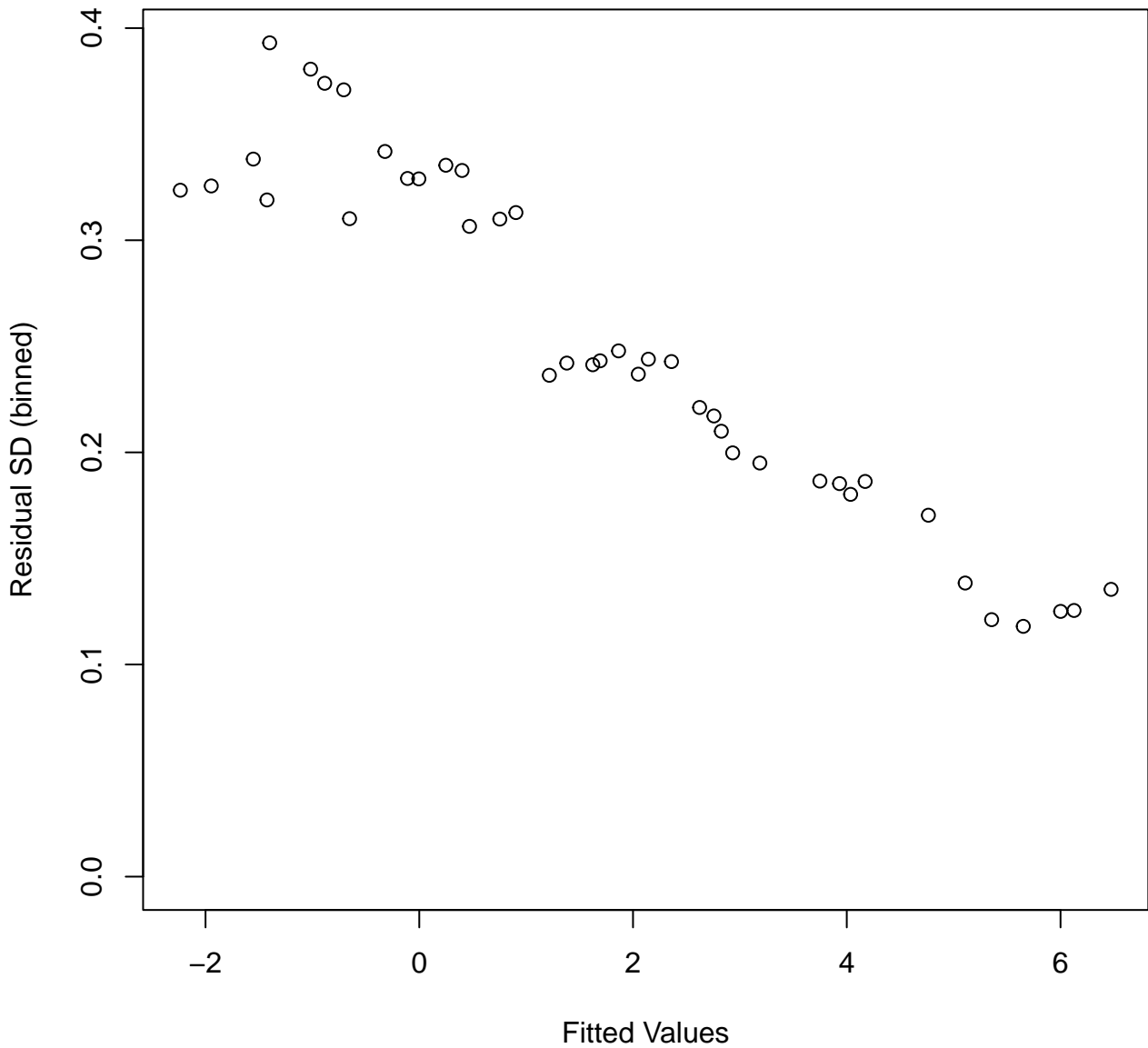
Data y & Post Pred y vs. Data x



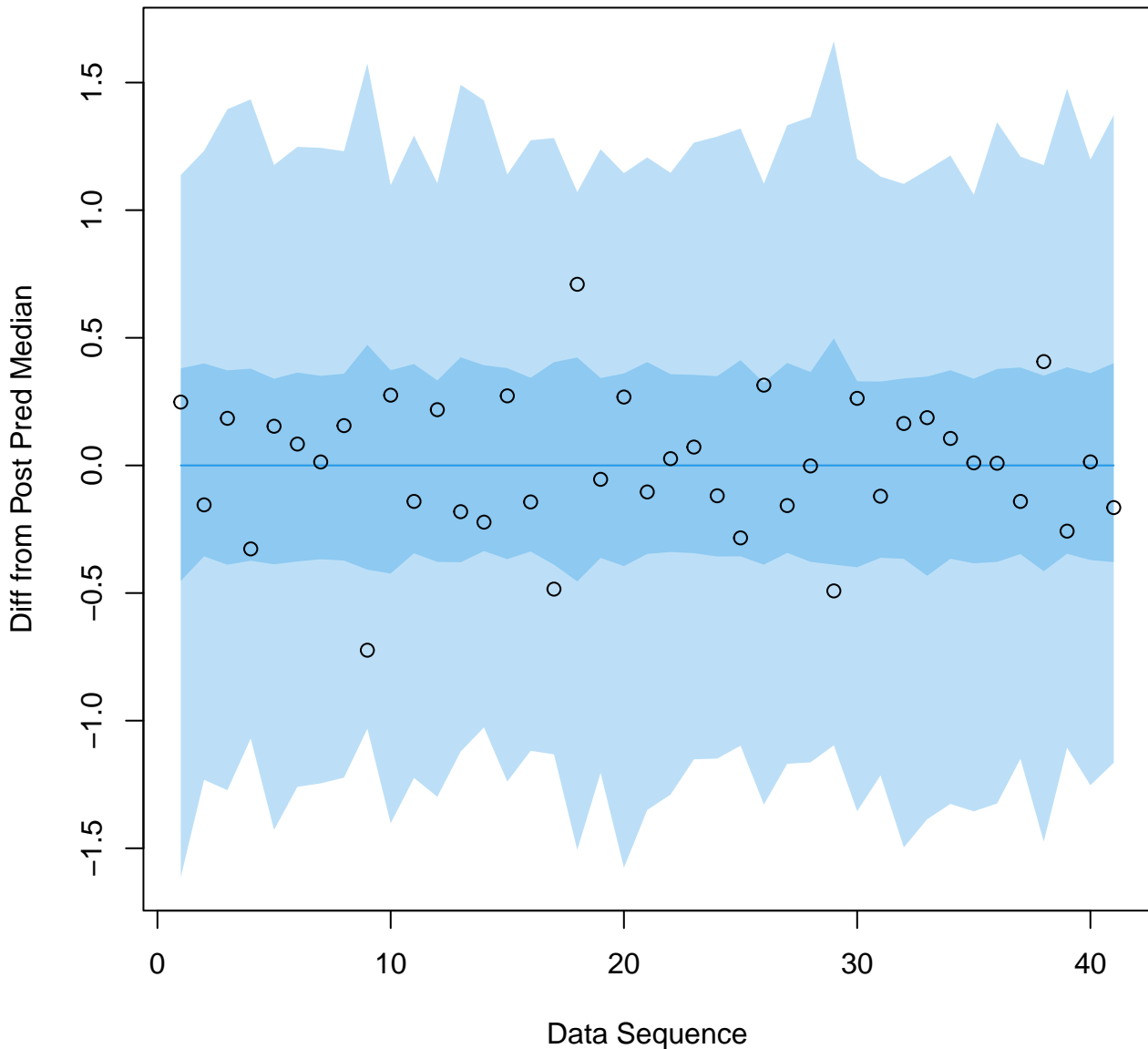


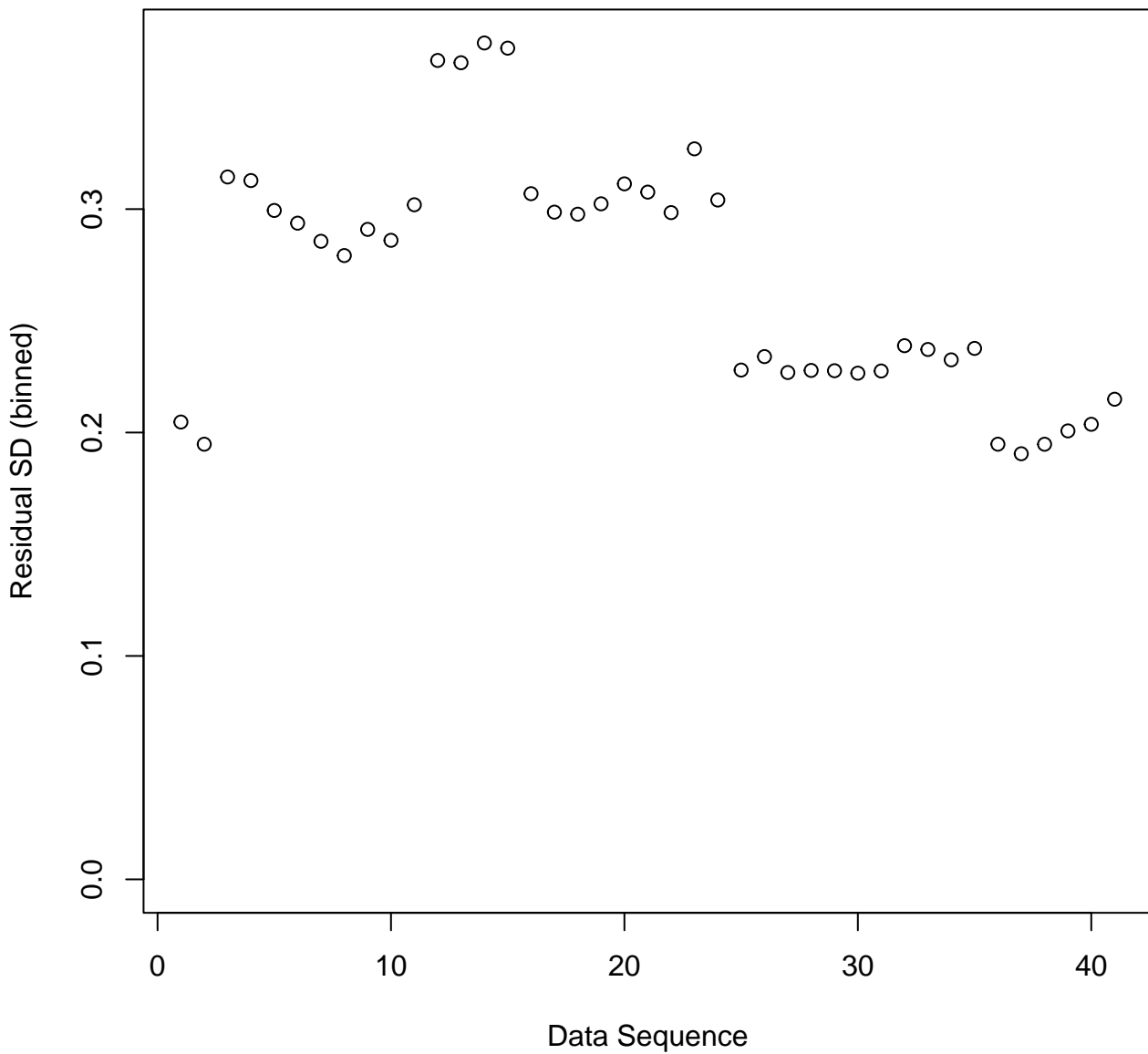
Data y & Post Pred y vs. Fitted Values

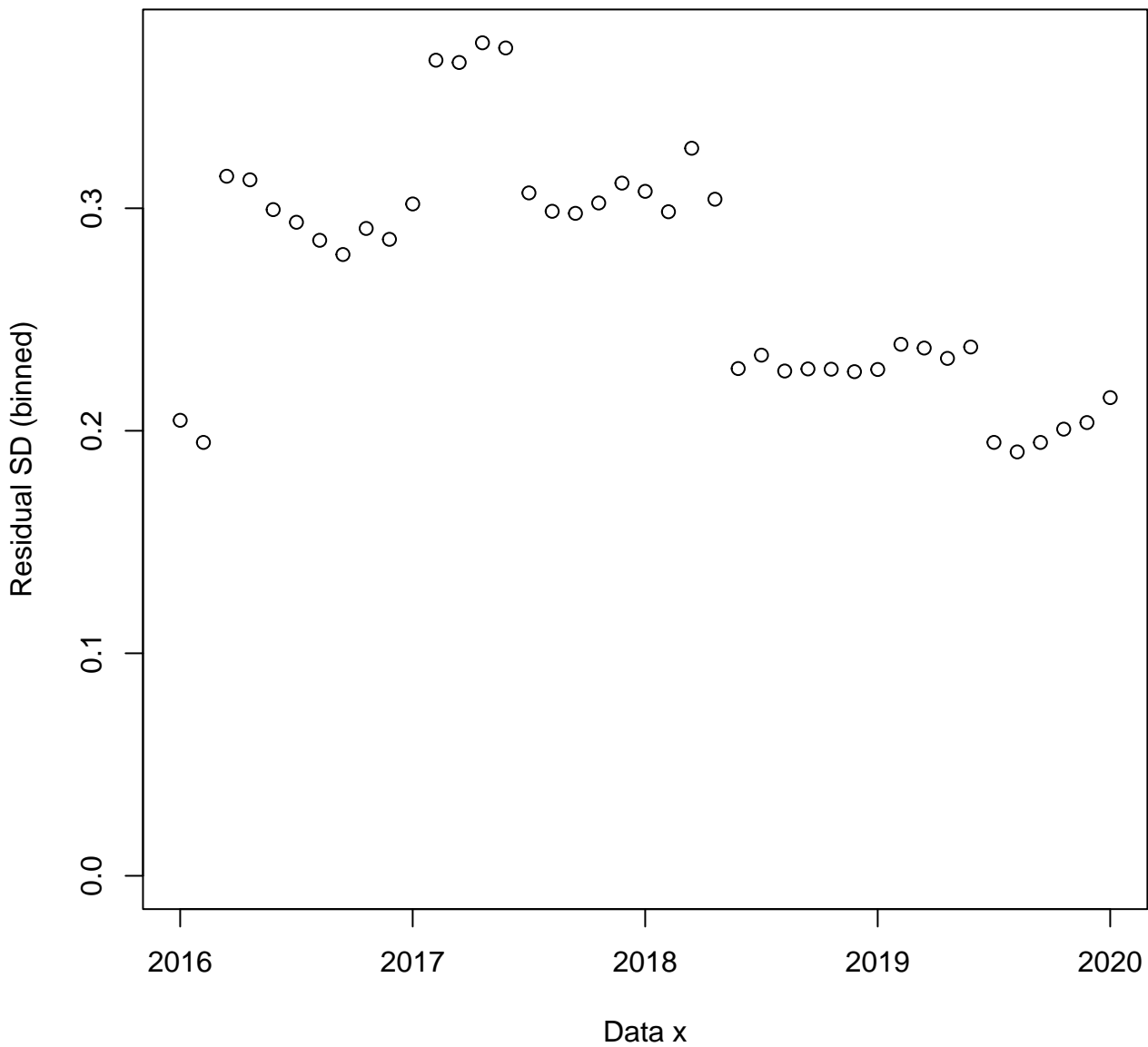




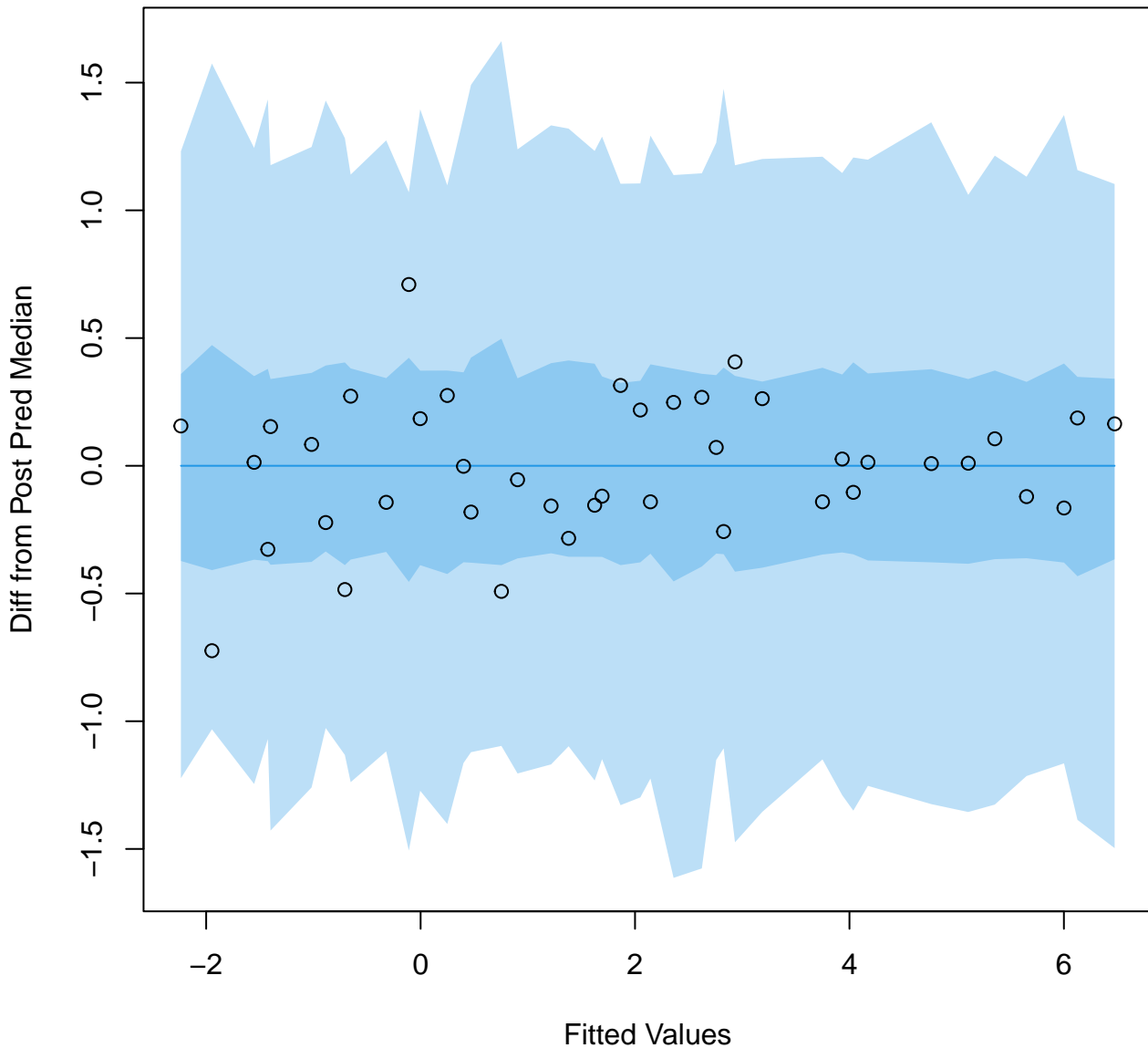
Residuals & PP Residual vs. Data Sequence

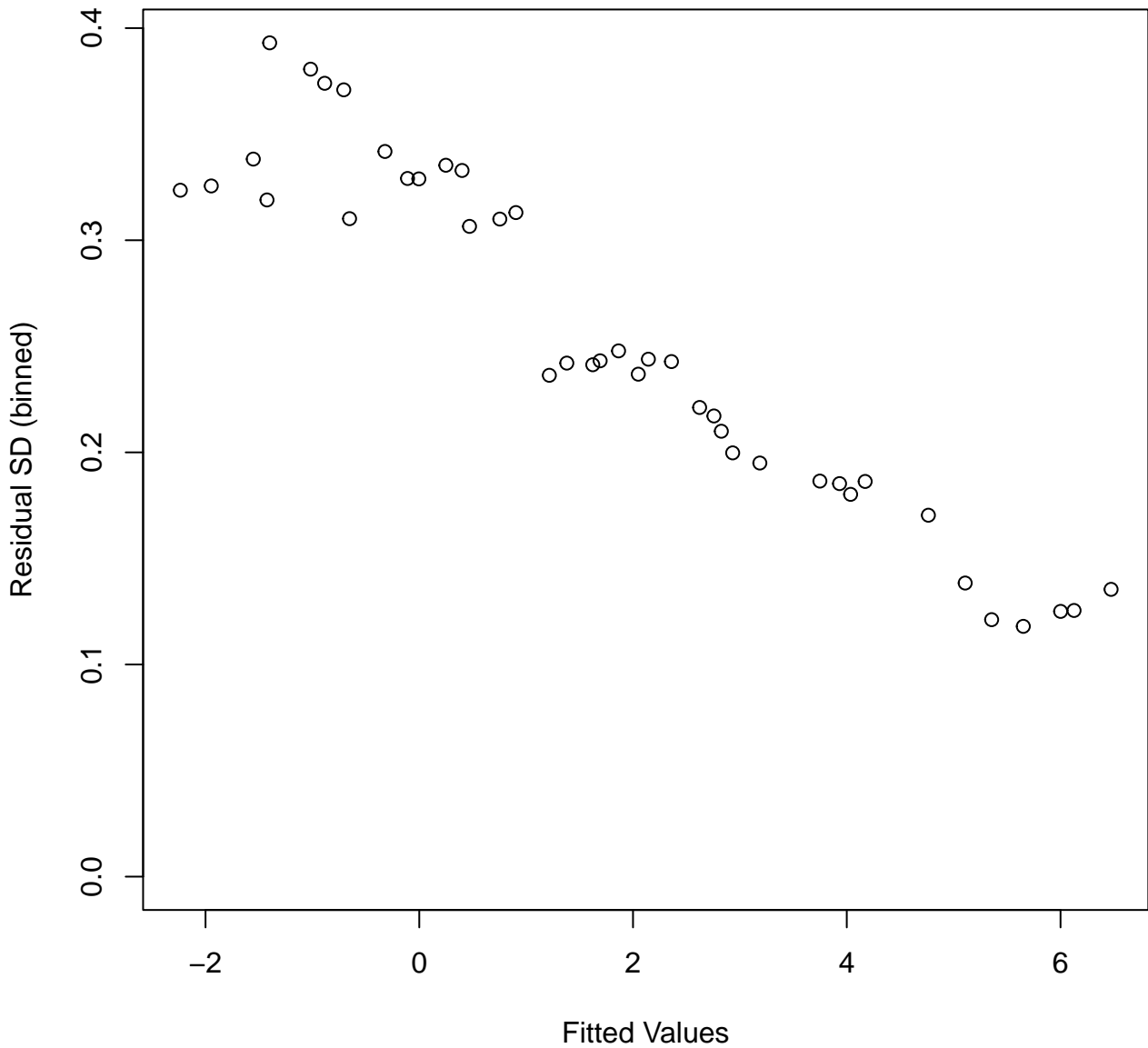




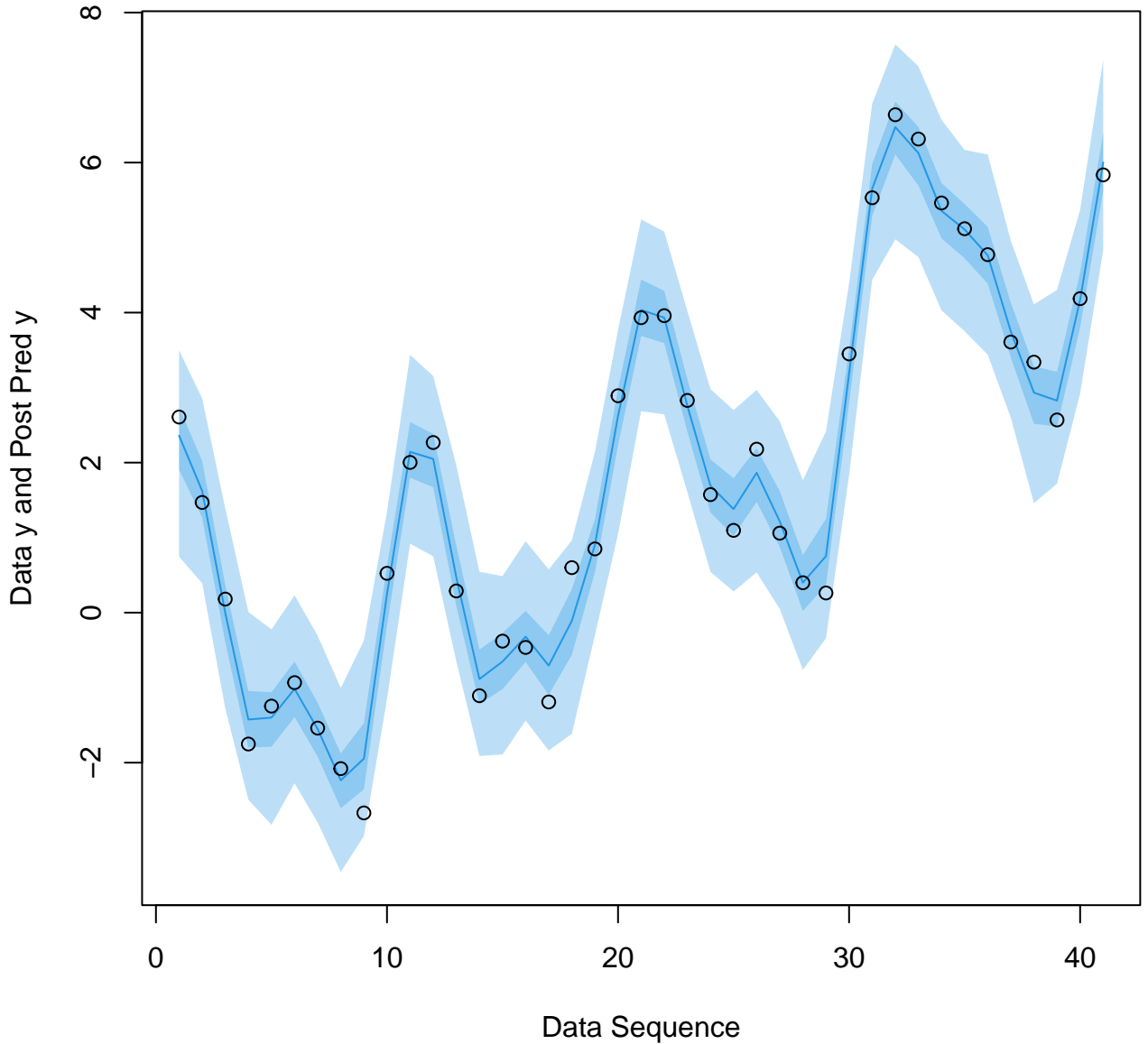


Residuals & PP Residual vs. Fitted Values

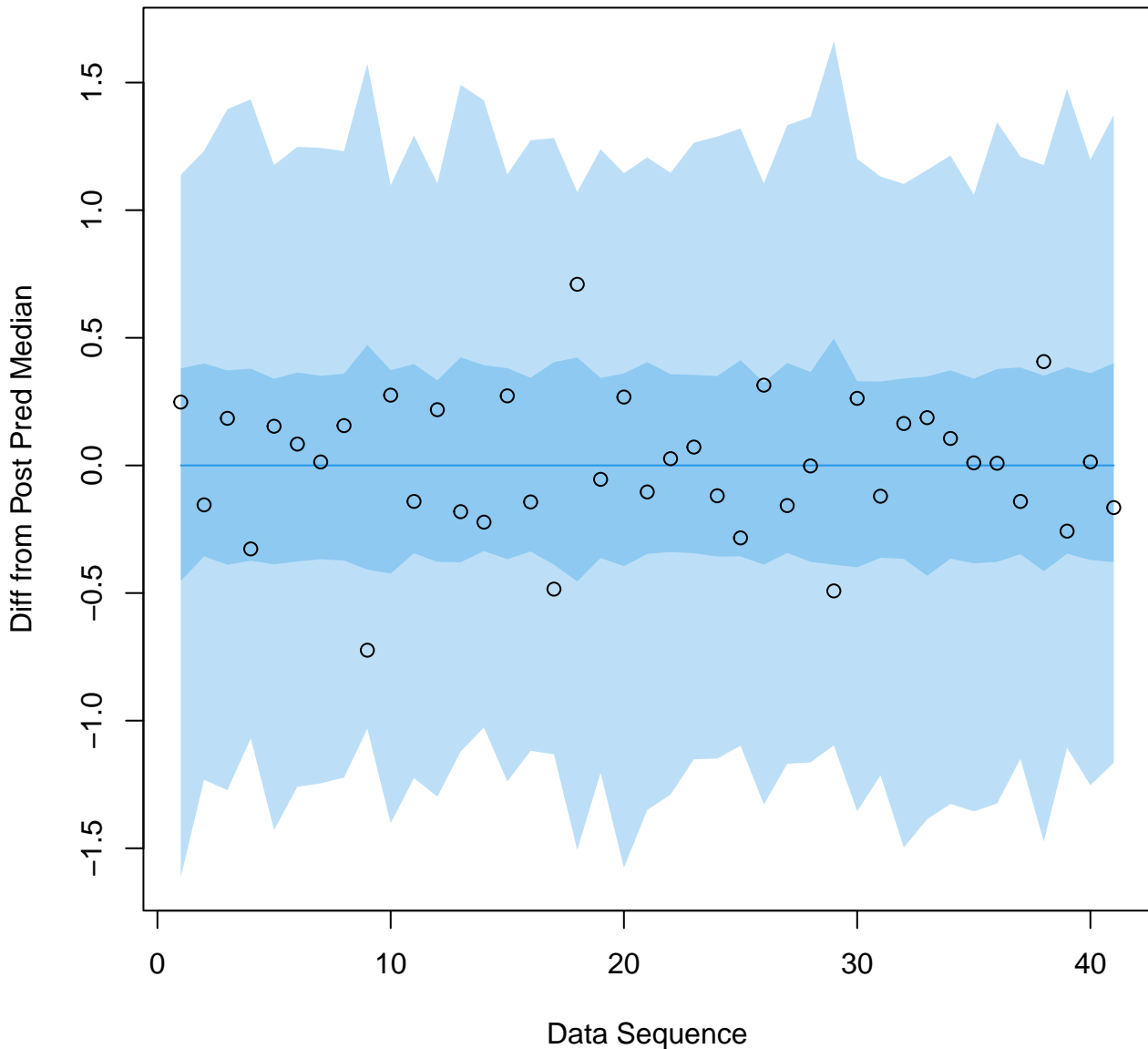




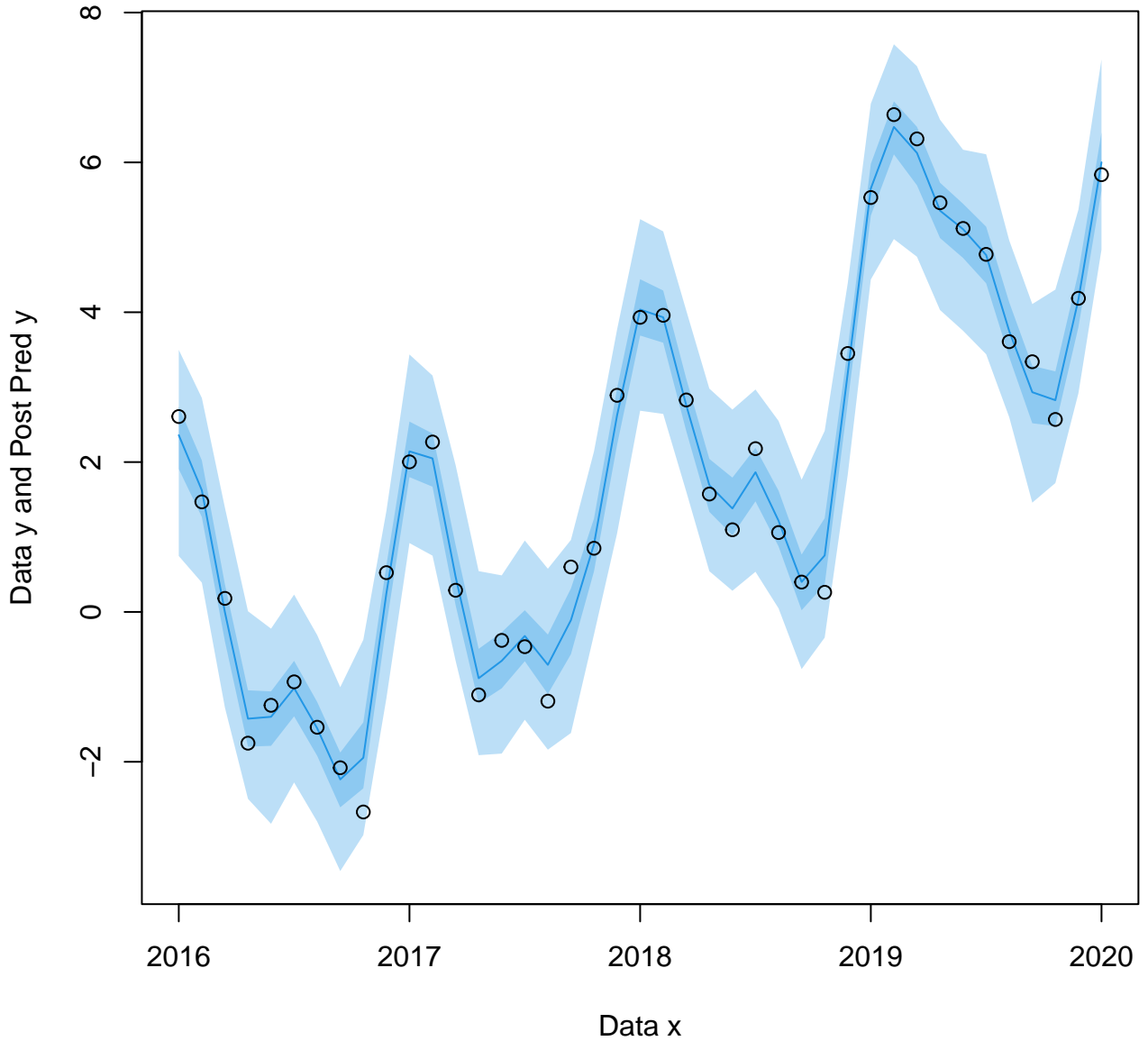
**Data y & Post Pred y
vs. Data Sequence**



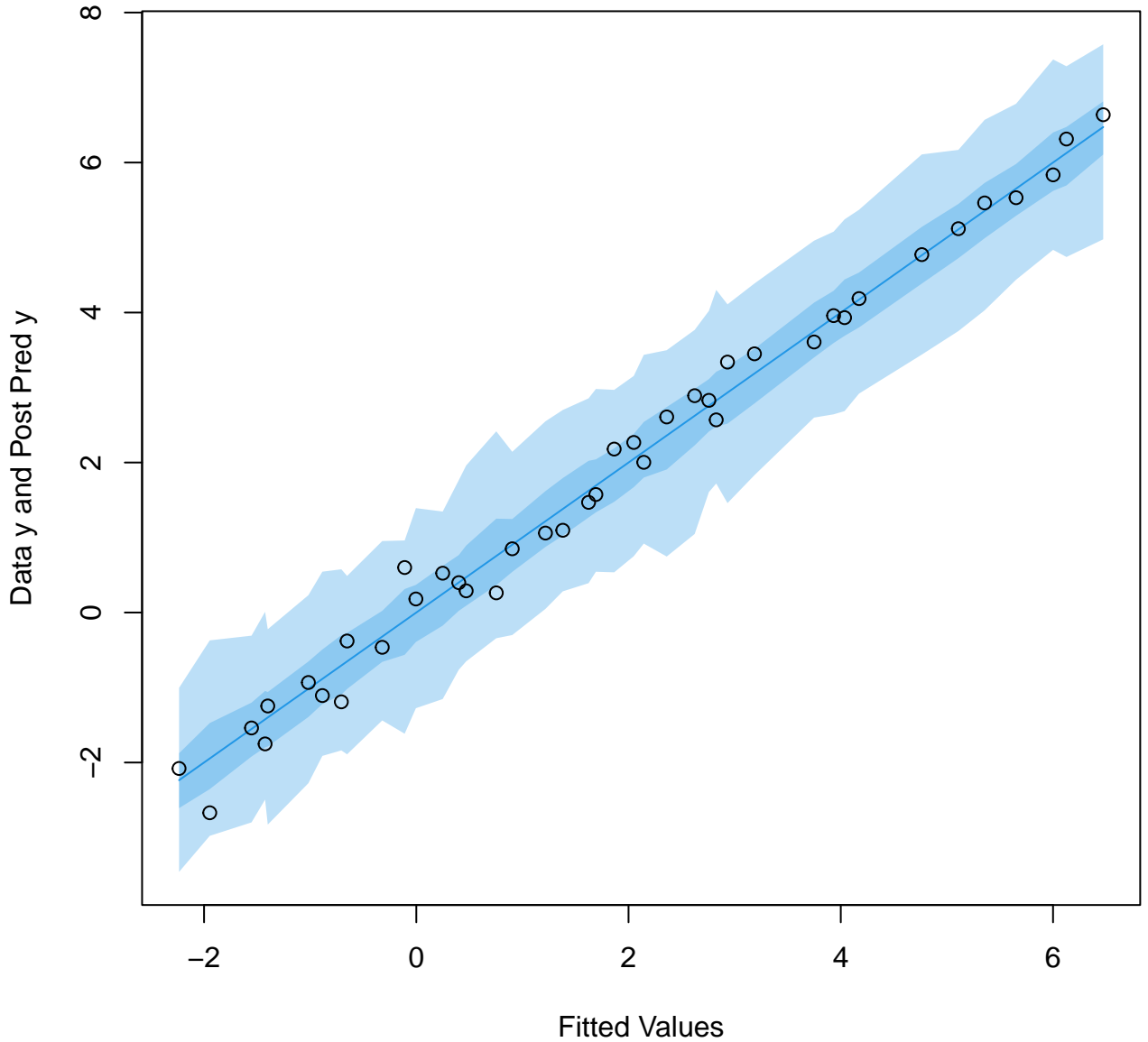
Residuals & PP Residual vs. Data Sequence



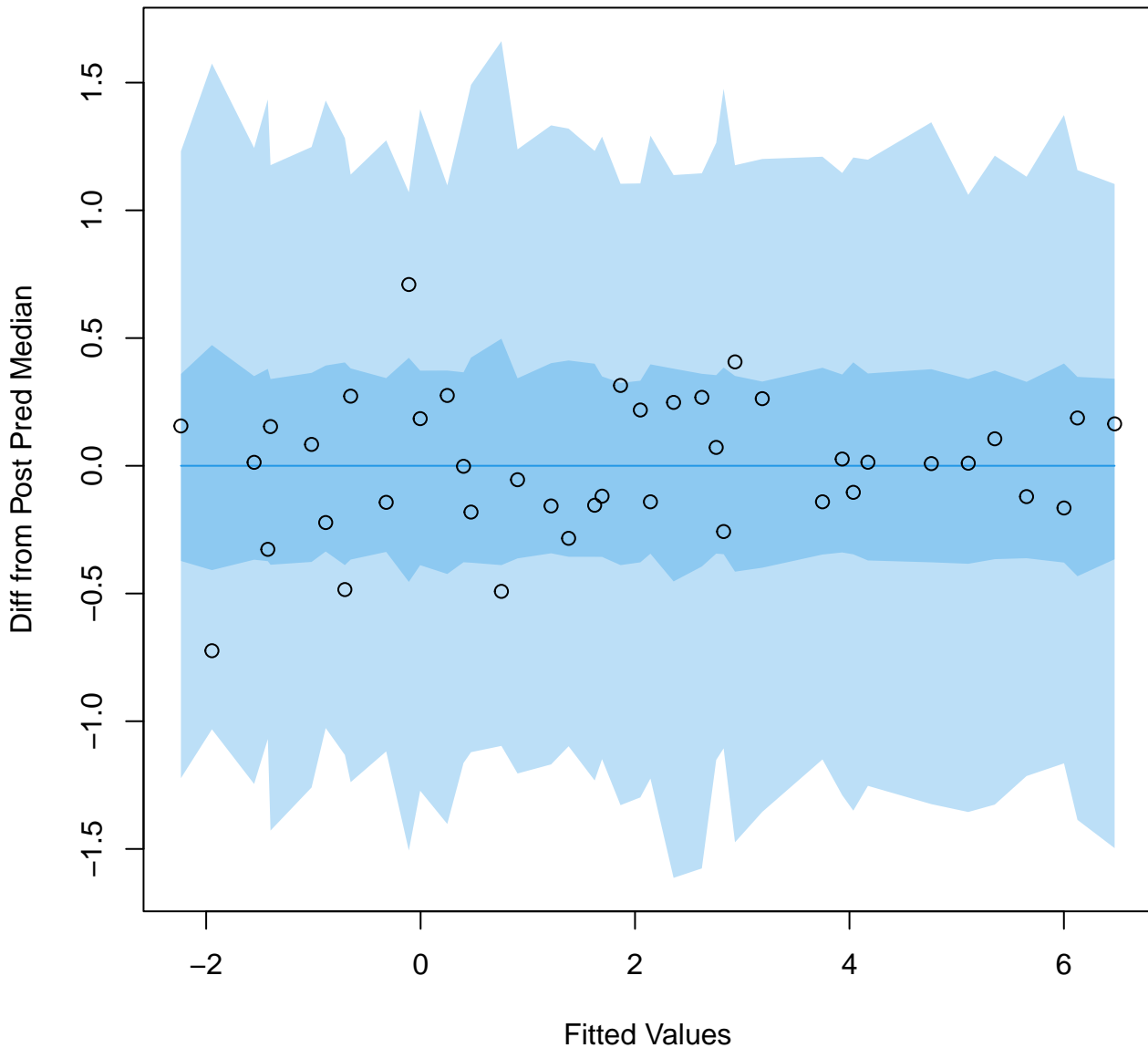
Data y & Post Pred y vs. Data x



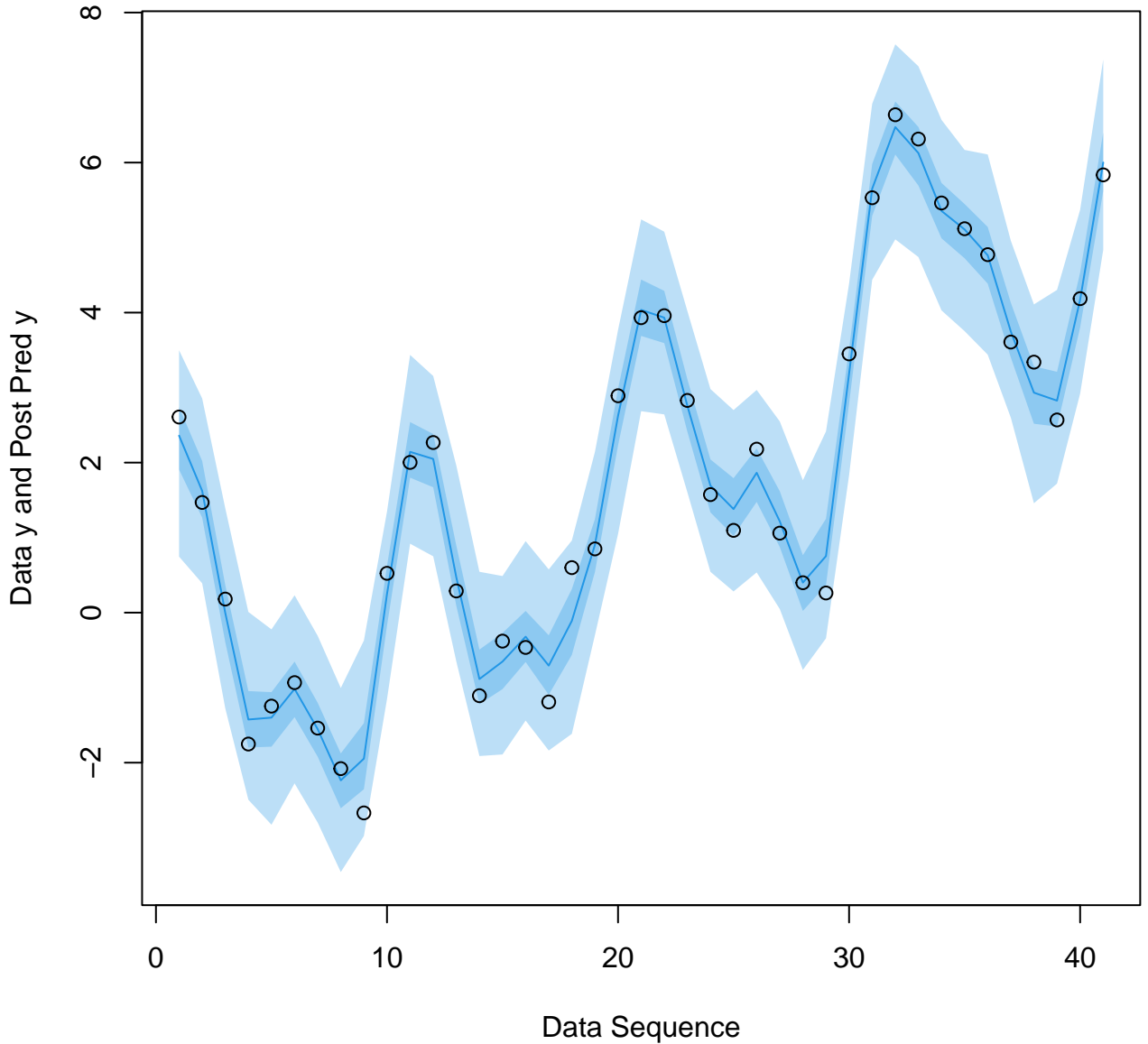
Data y & Post Pred y vs. Fitted Values



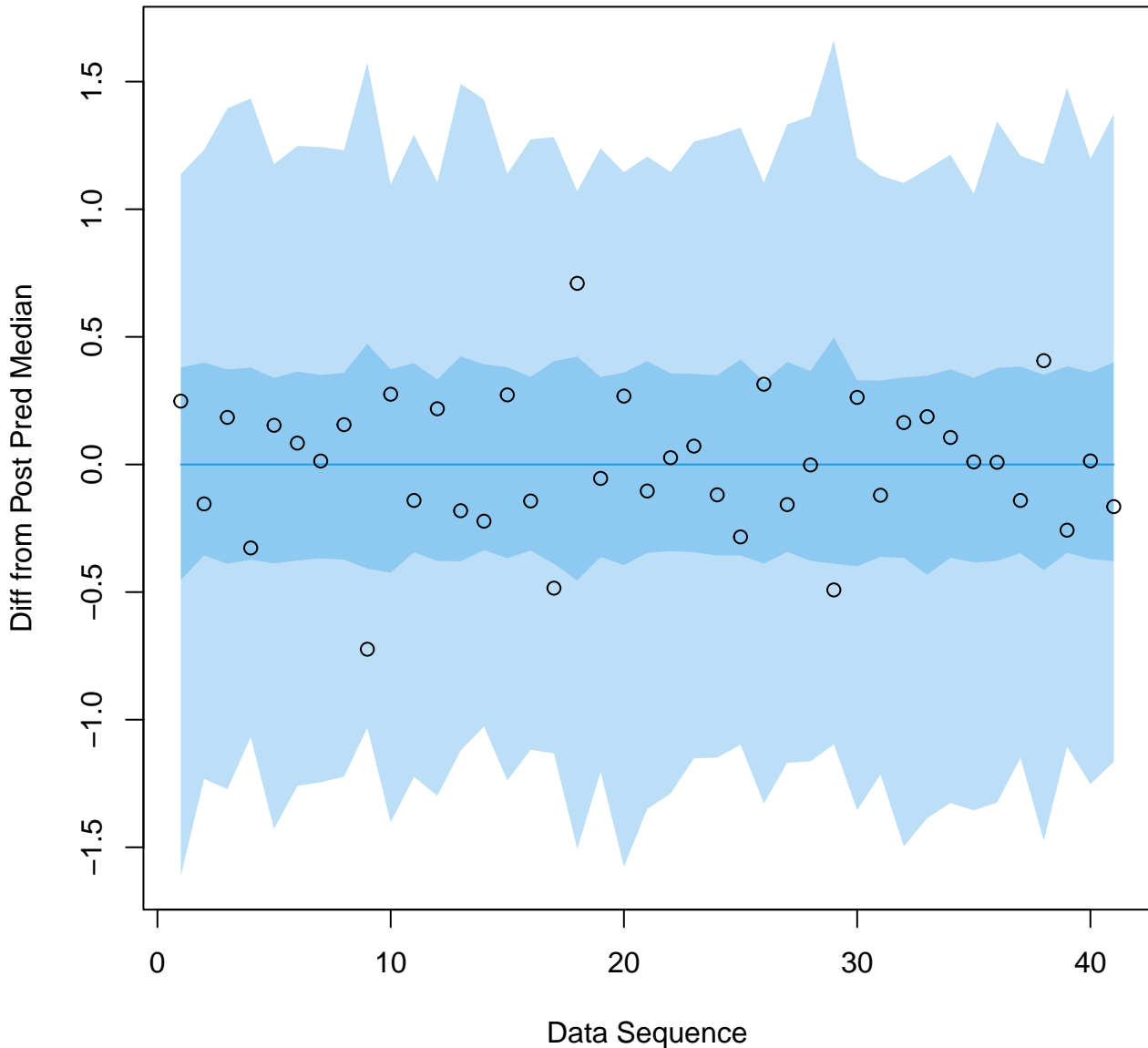
Residuals & PP Residual vs. Fitted Values

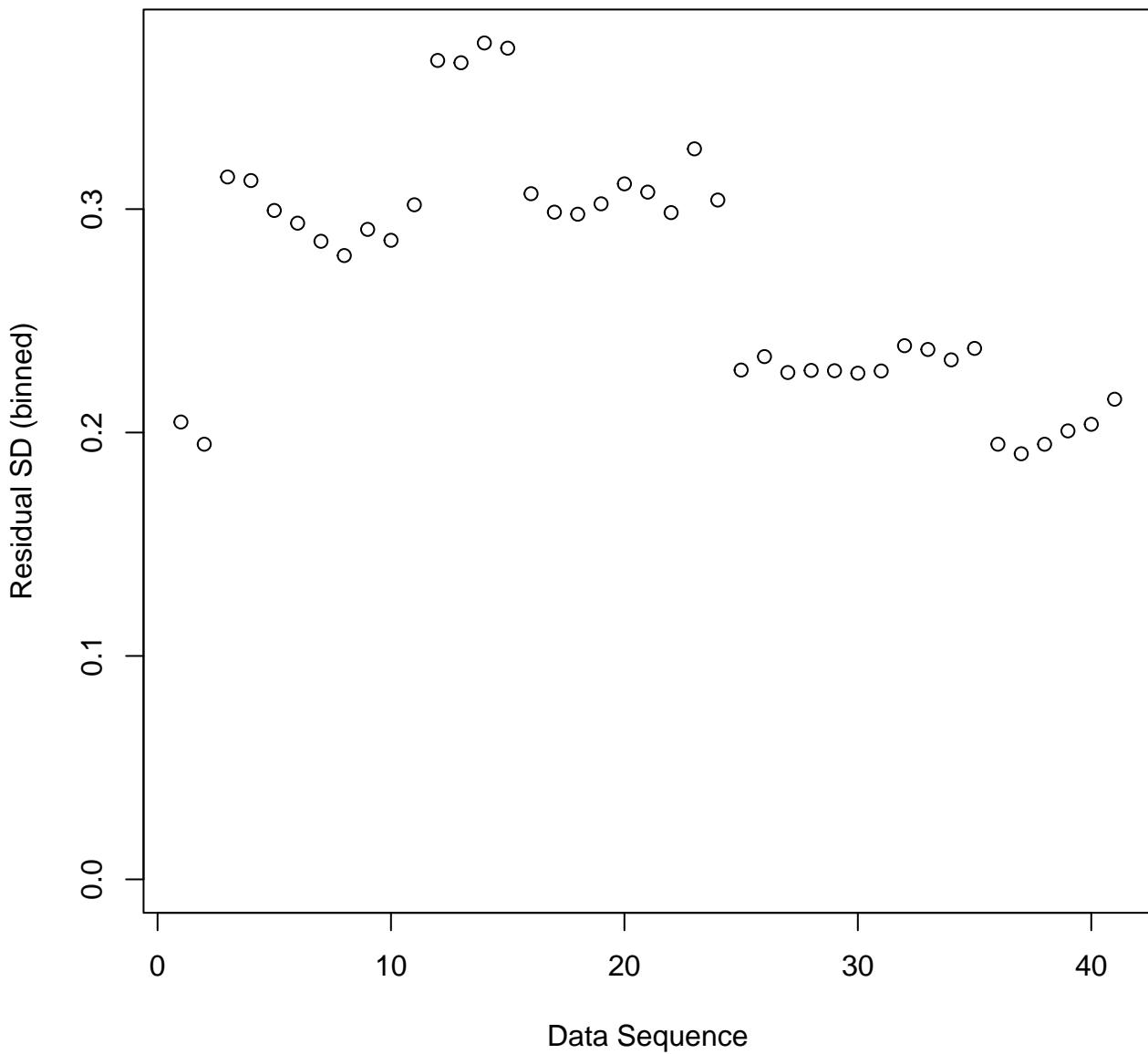


**Data y & Post Pred y
vs. Data Sequence**

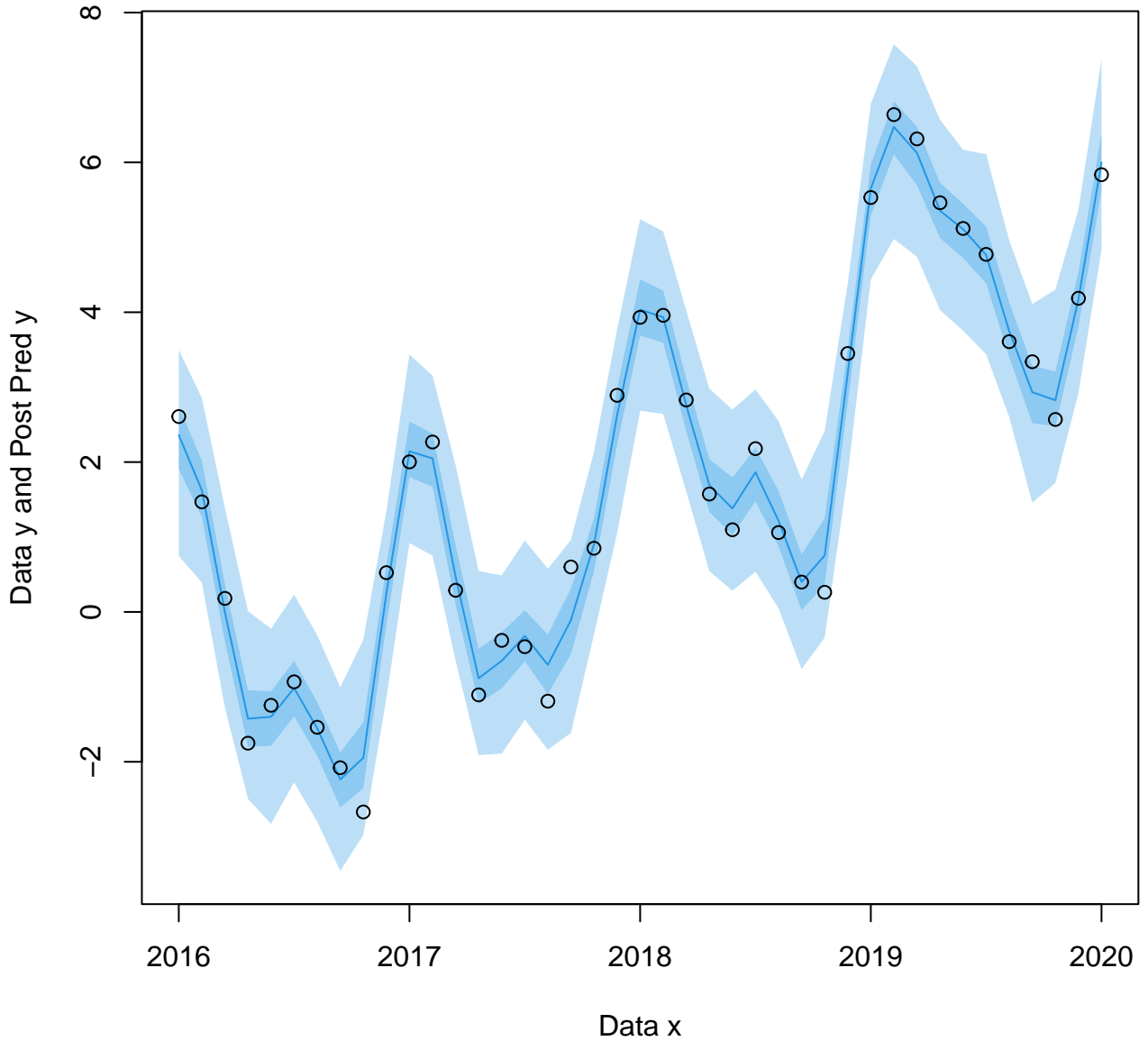


Residuals & PP Residual vs. Data Sequence

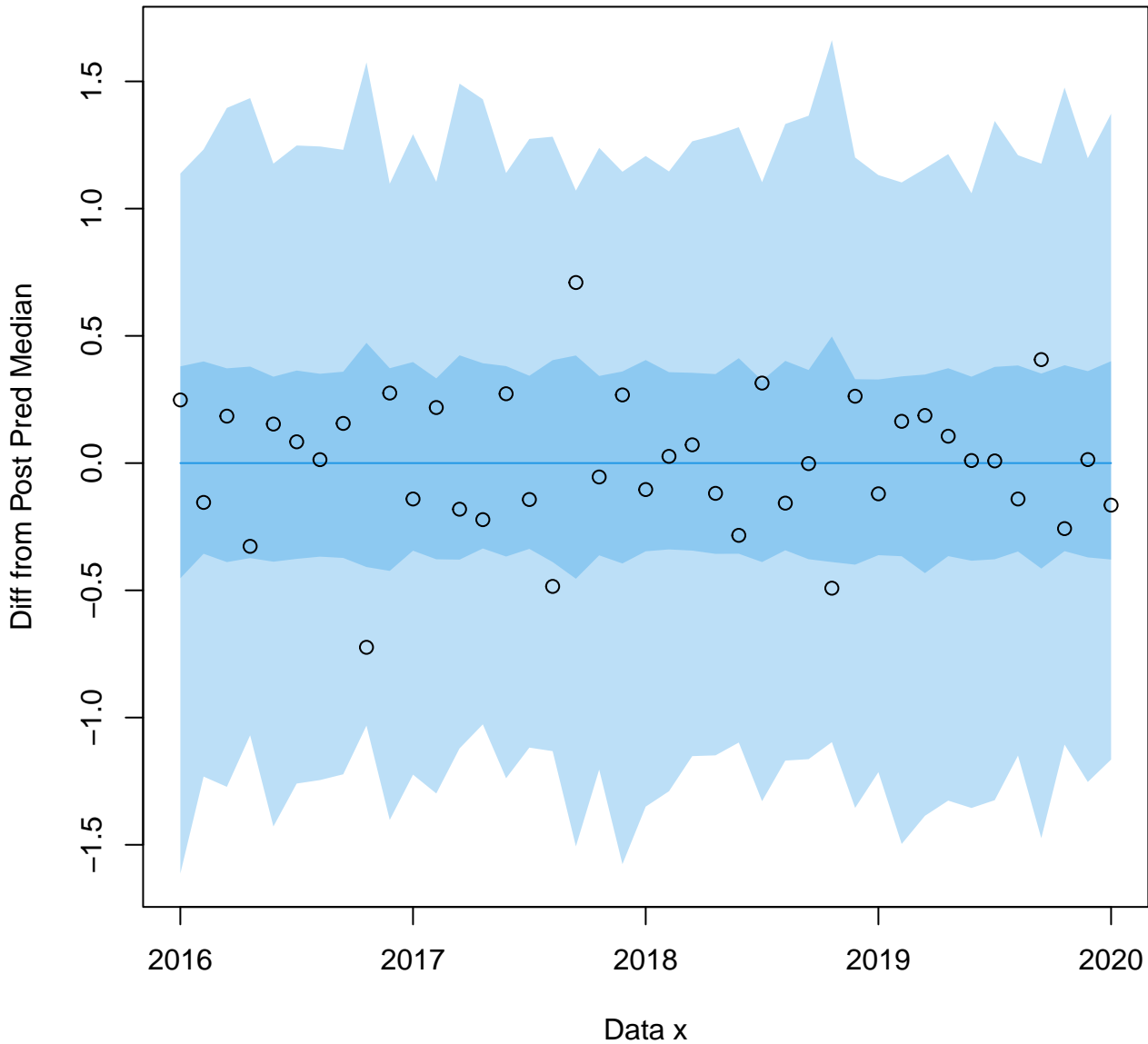


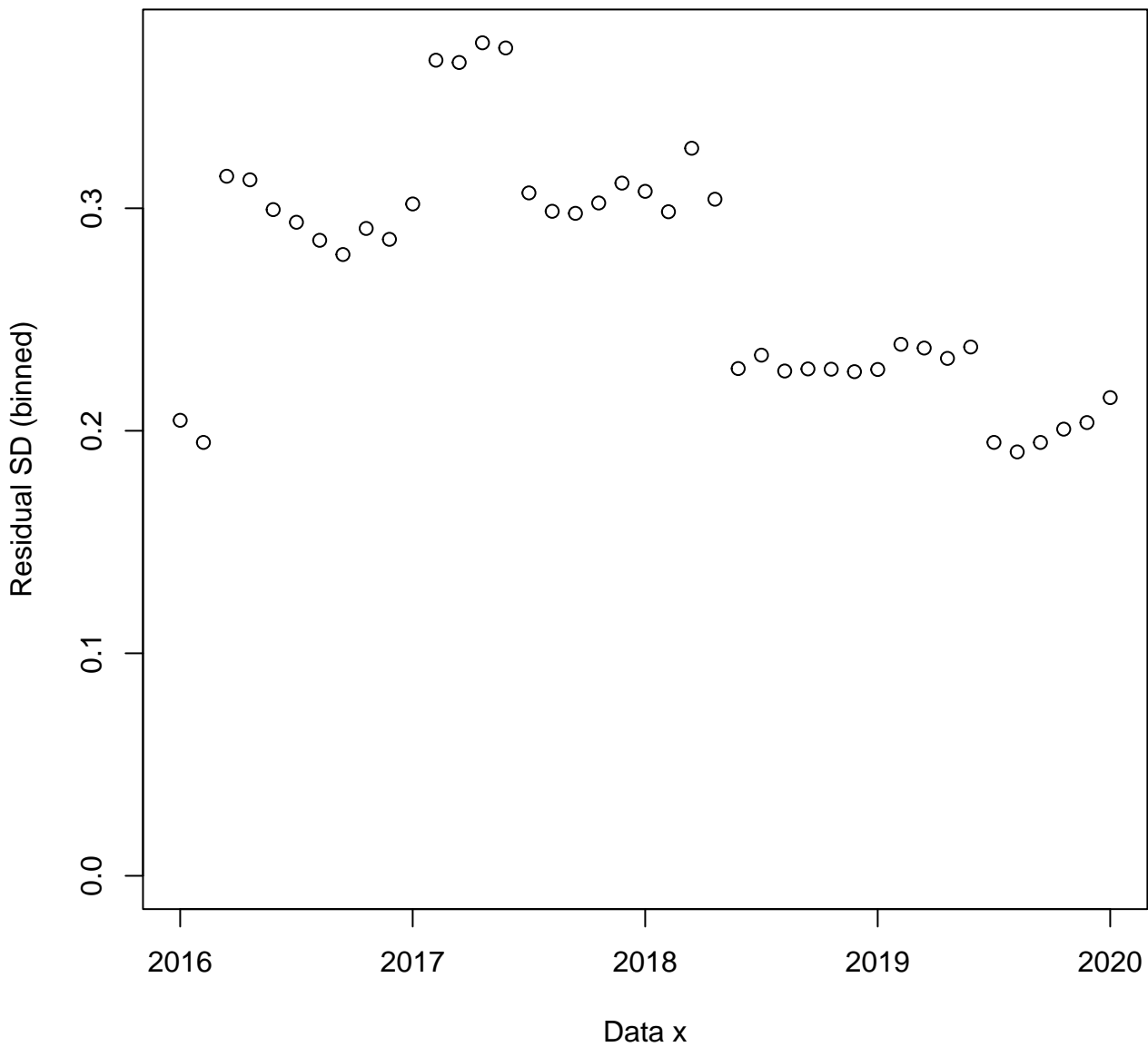


Data y & Post Pred y vs. Data x

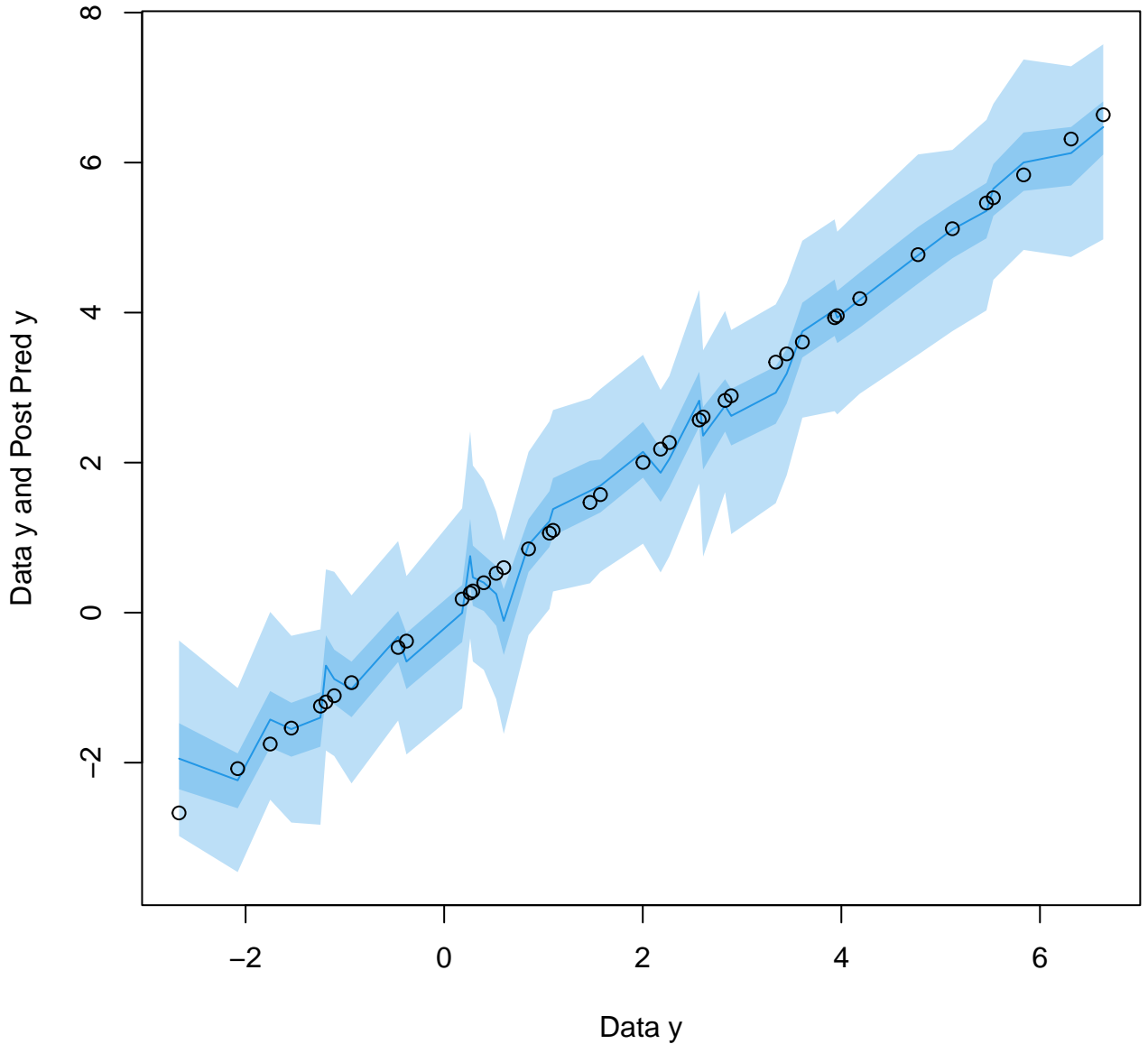


Residuals & PP Residual vs. Data x

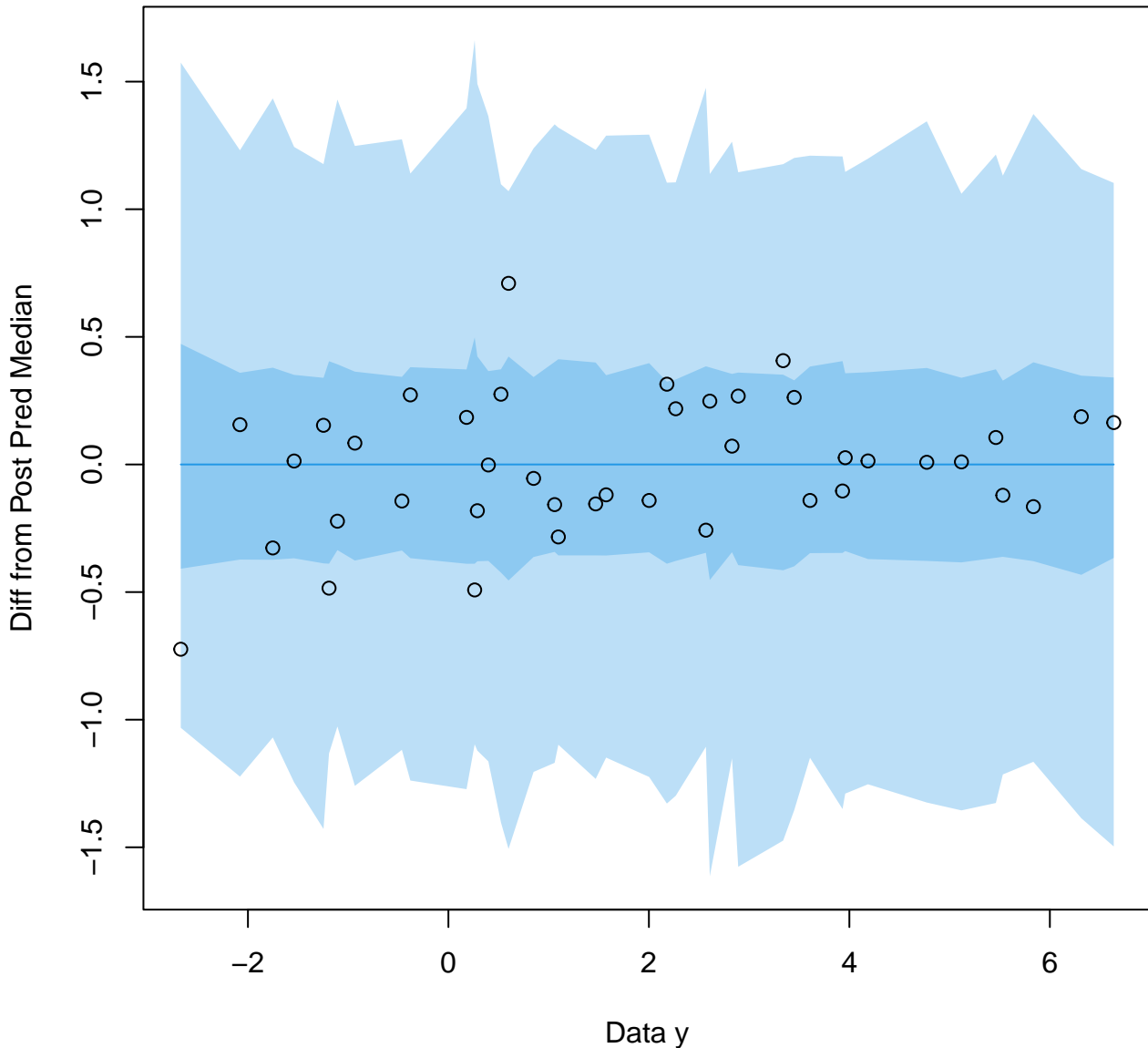


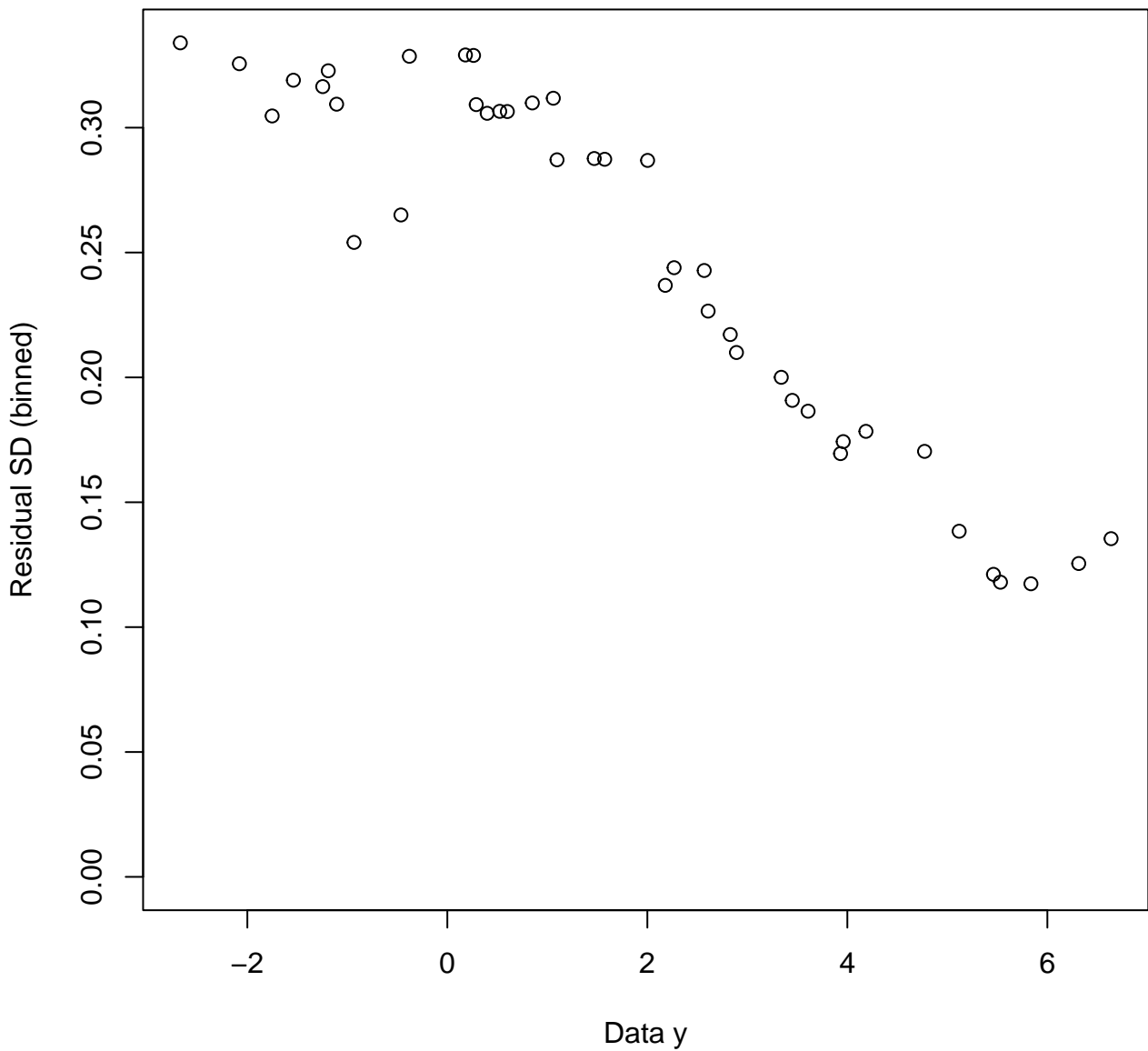


**Data y & Post Pred y
vs. Data y**

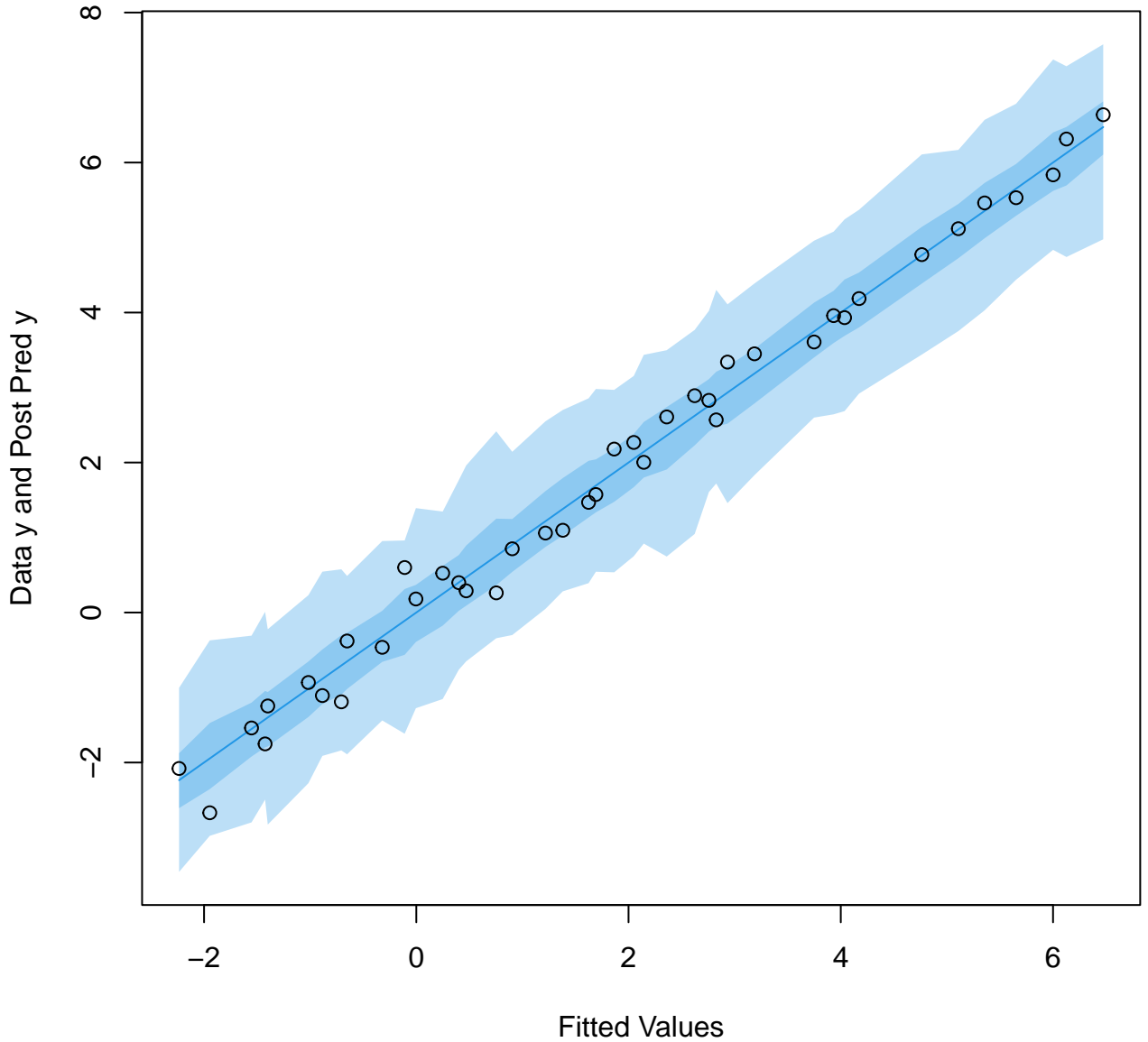


Residuals & PP Residual vs. Data y

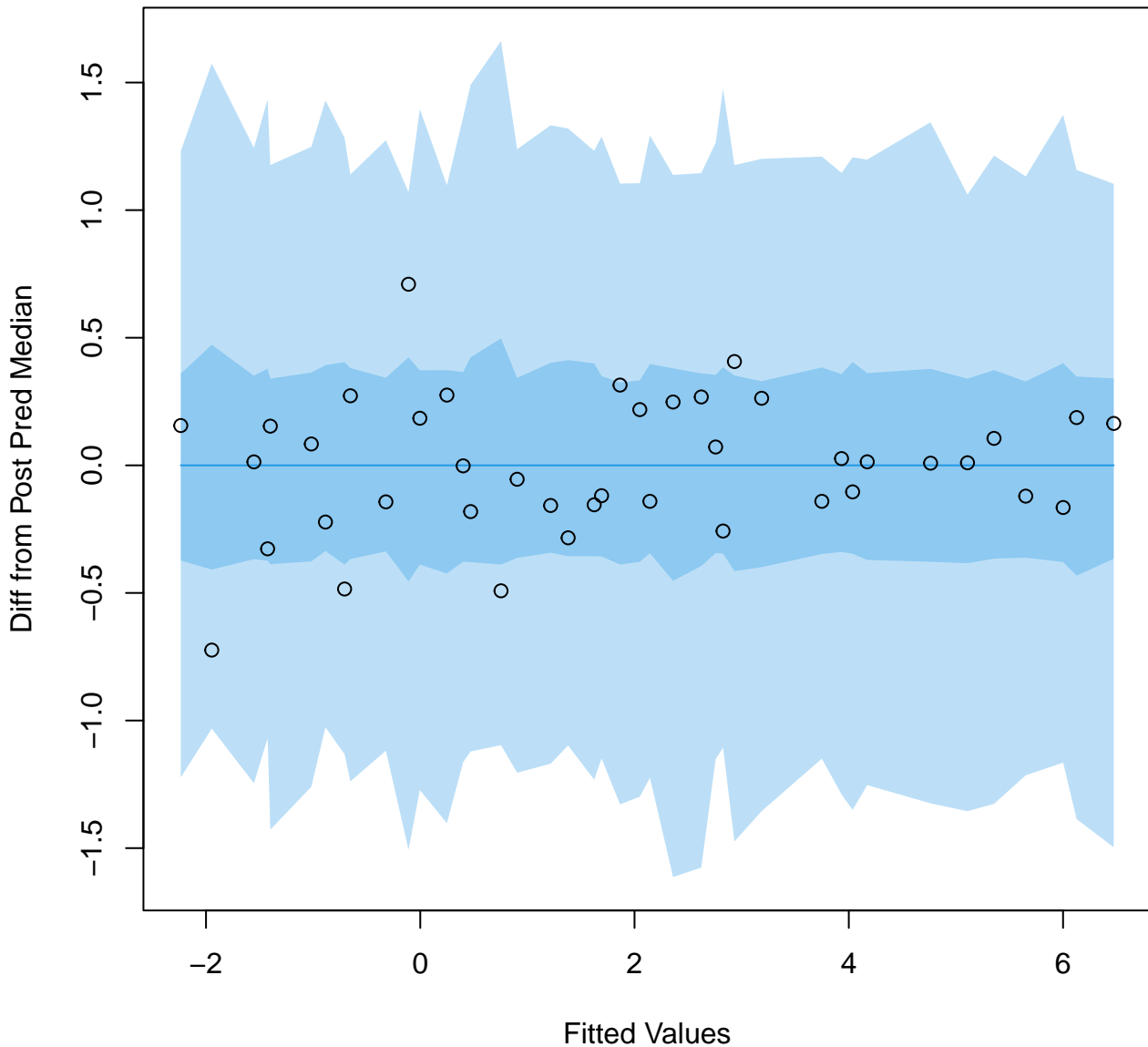


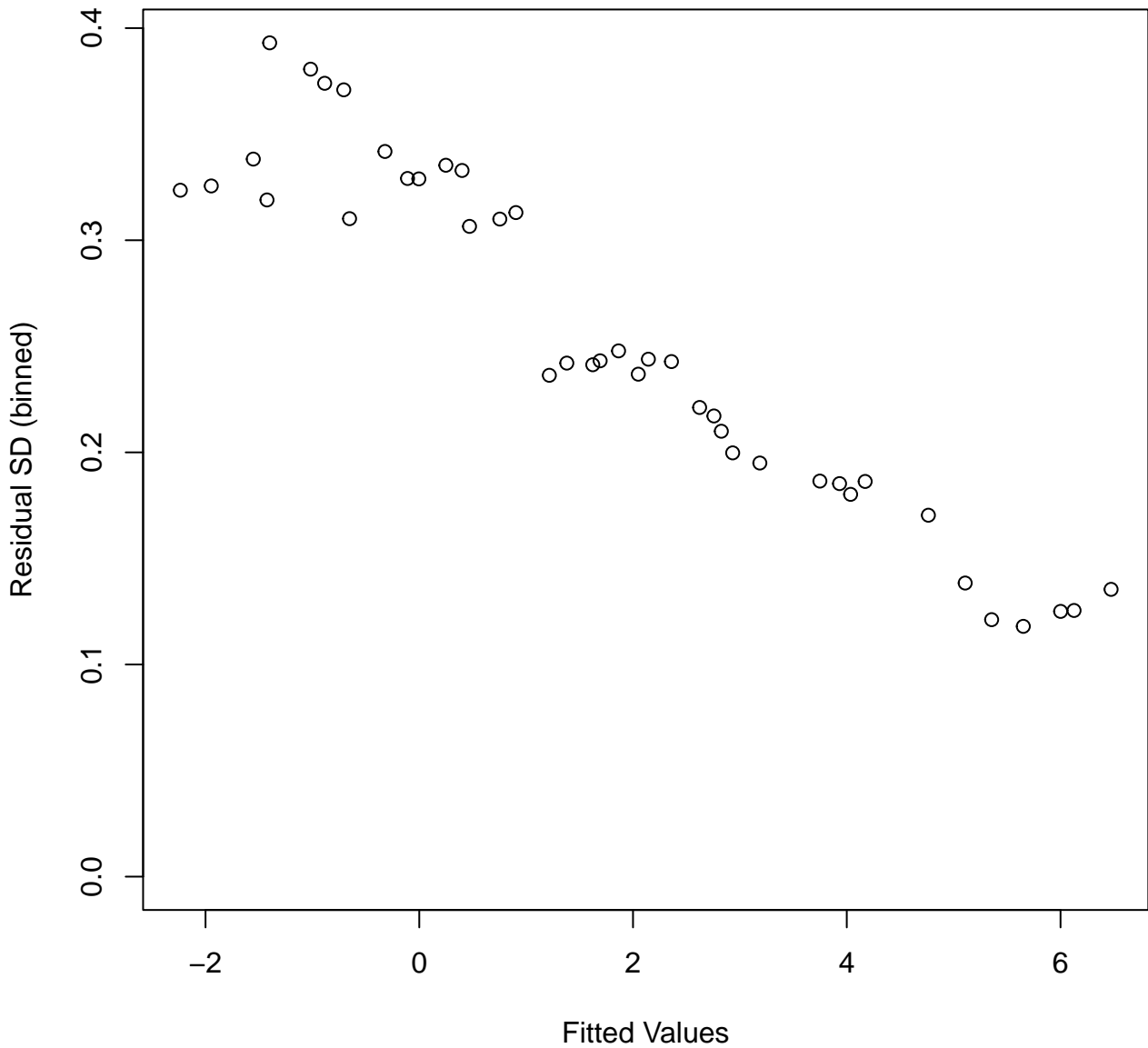


Data y & Post Pred y vs. Fitted Values

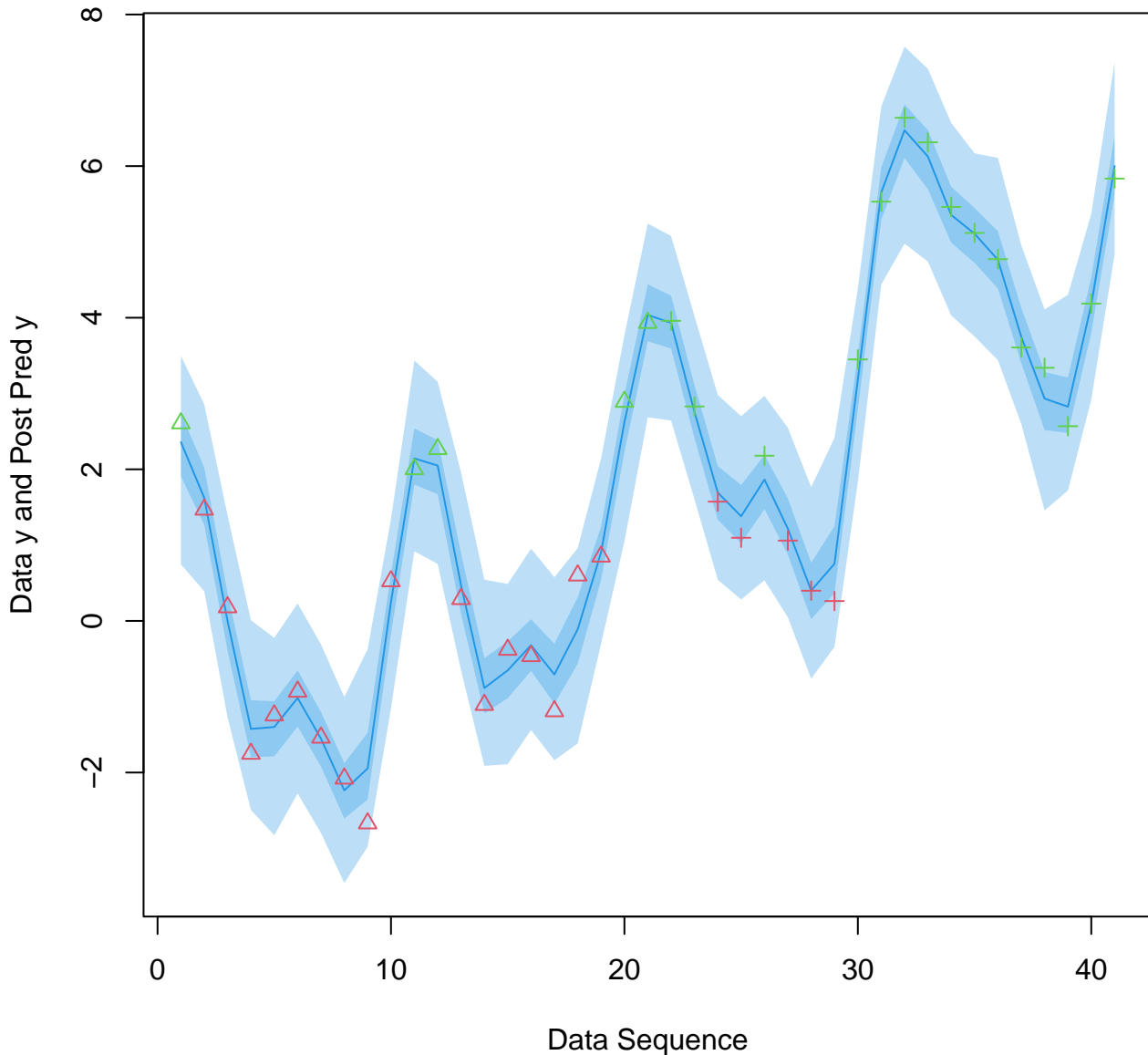


Residuals & PP Residual vs. Fitted Values

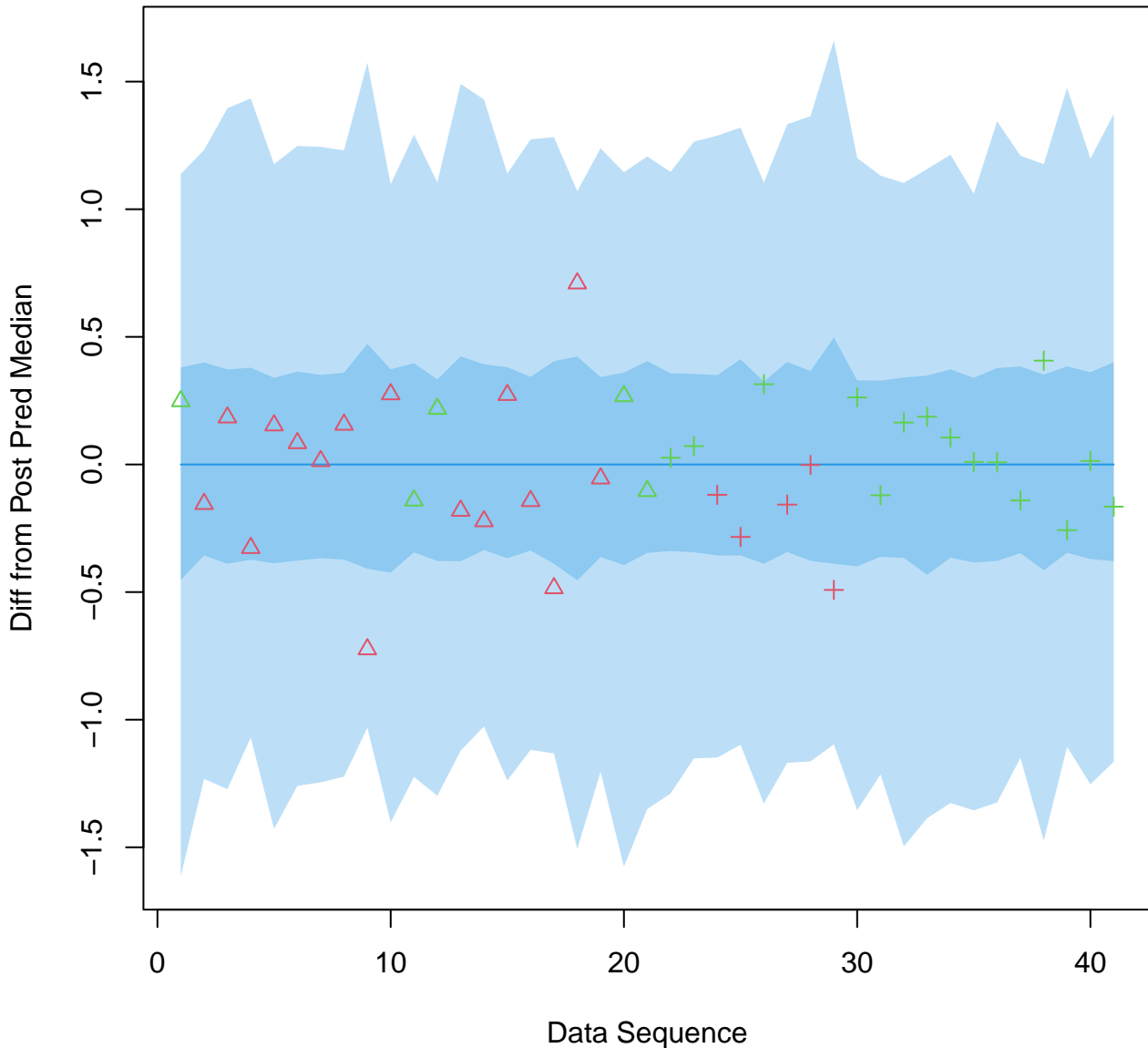


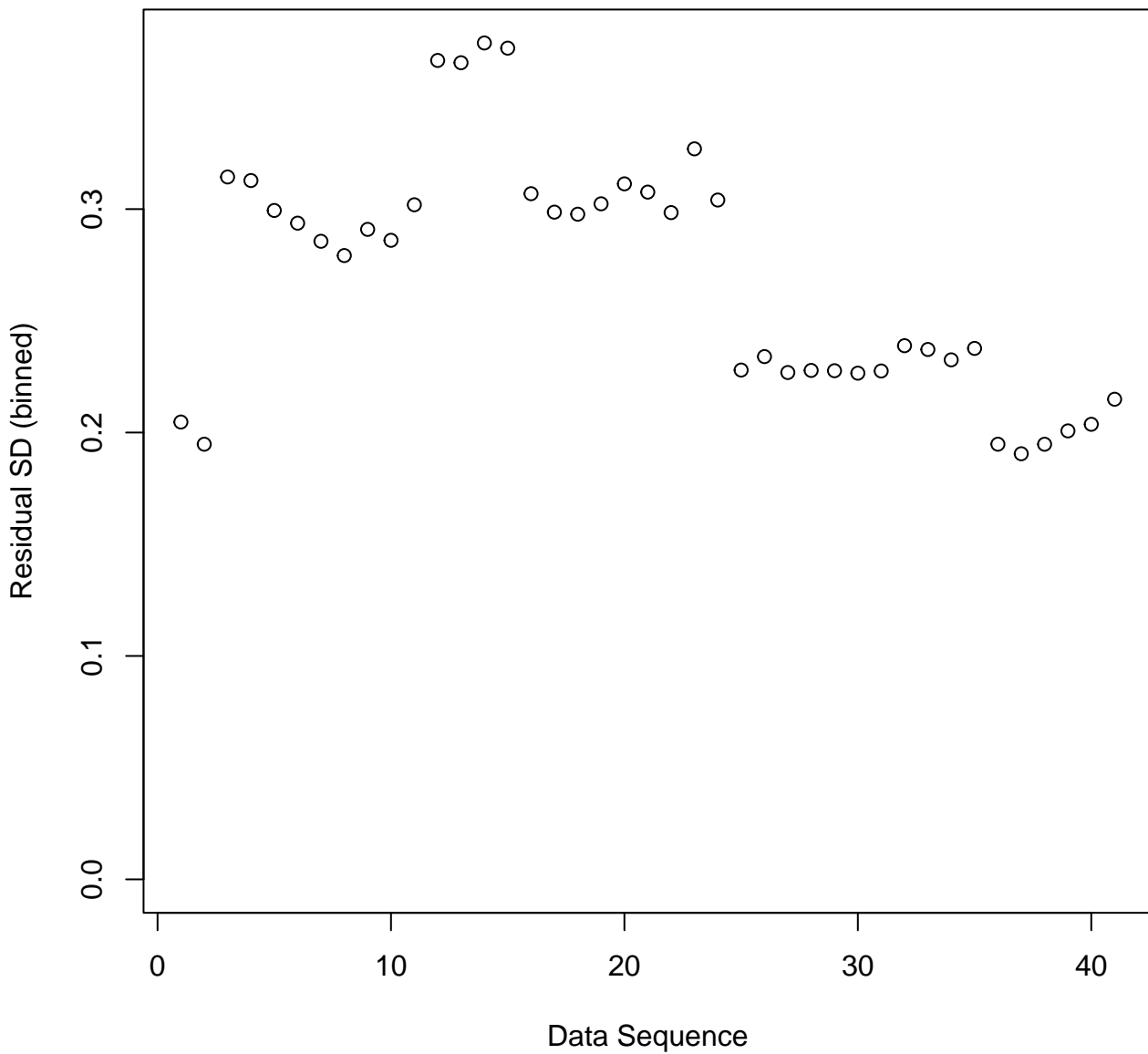


**Data y & Post Pred y
vs. Data Sequence**

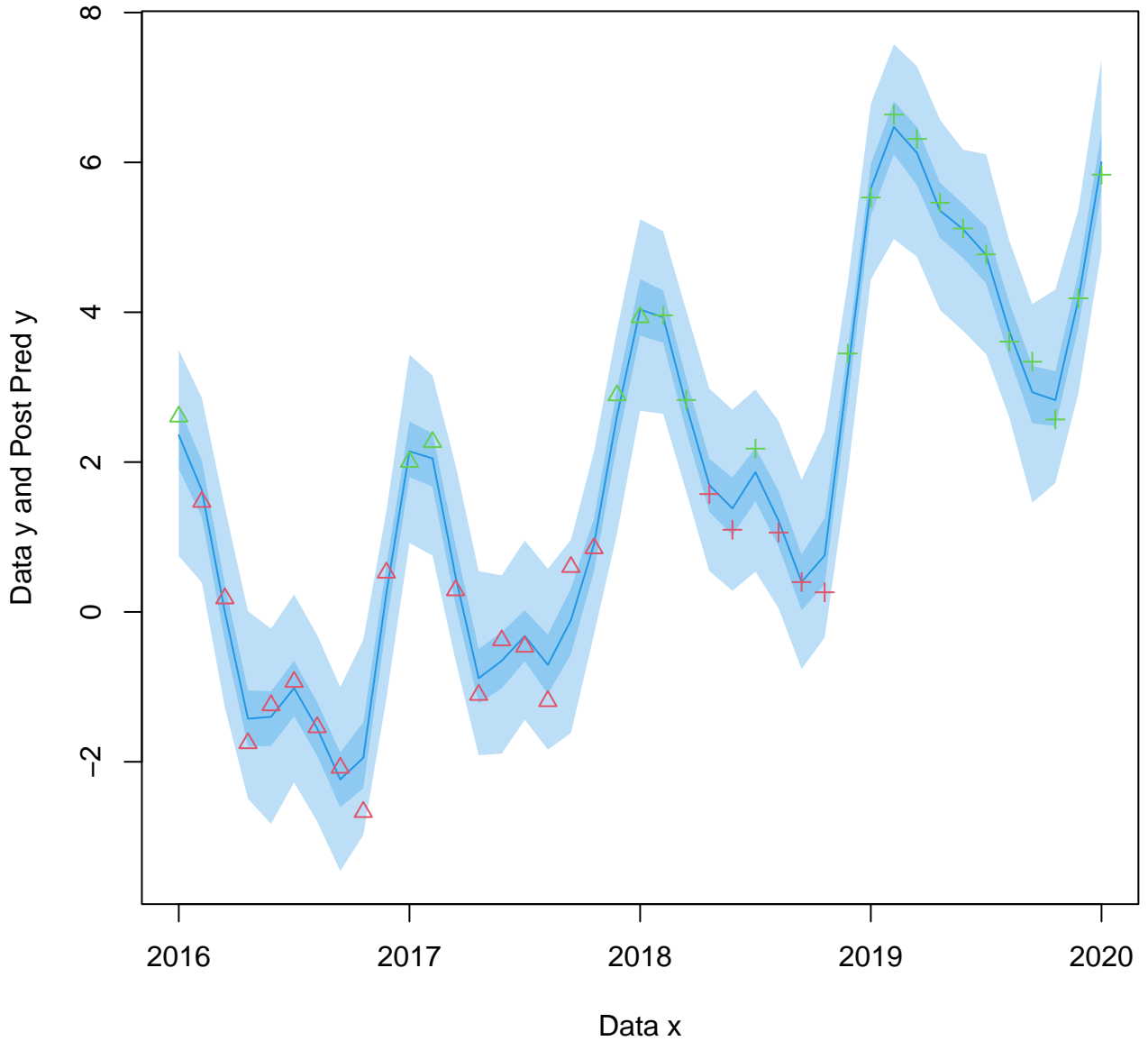


Residuals & PP Residual vs. Data Sequence

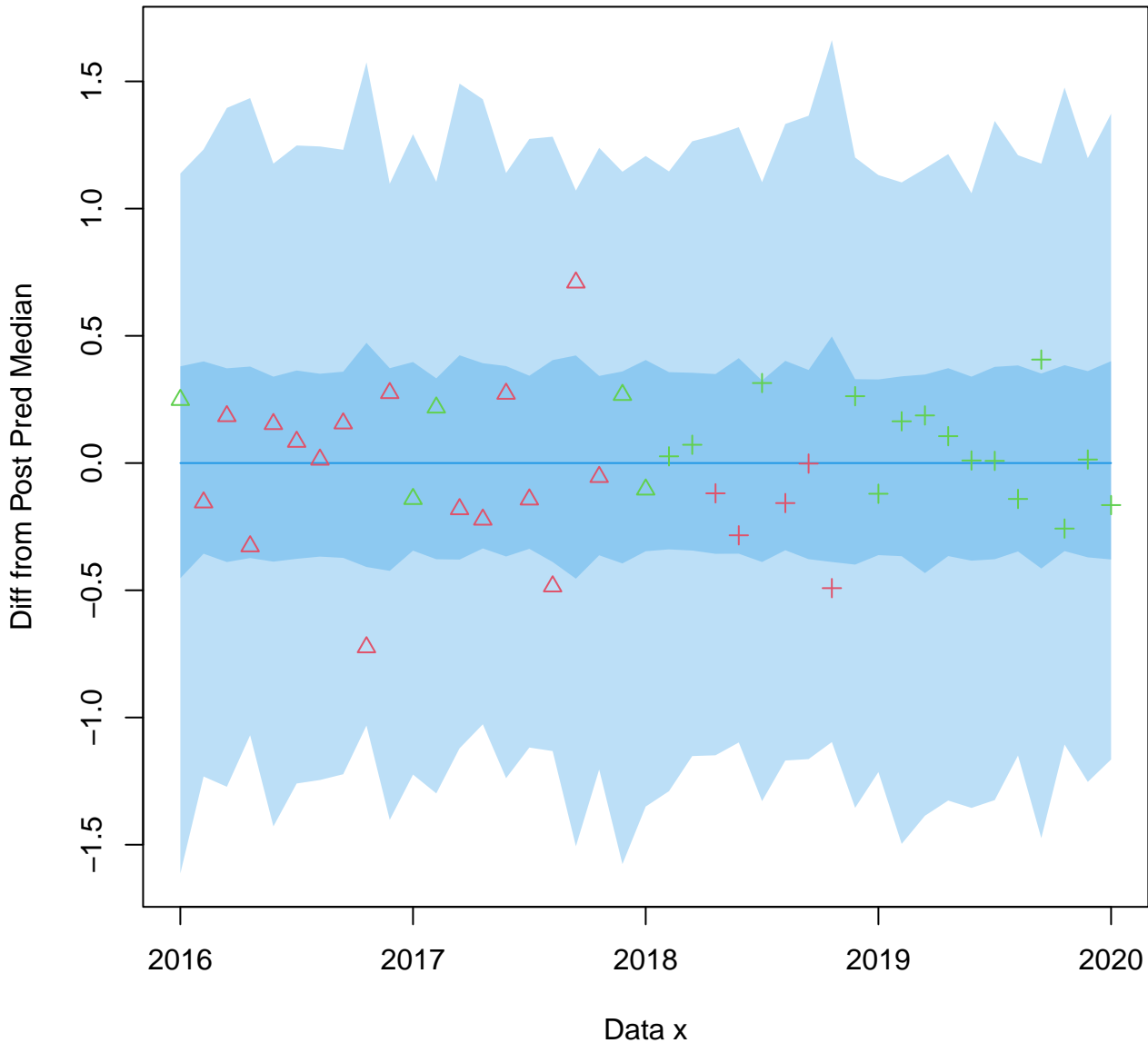


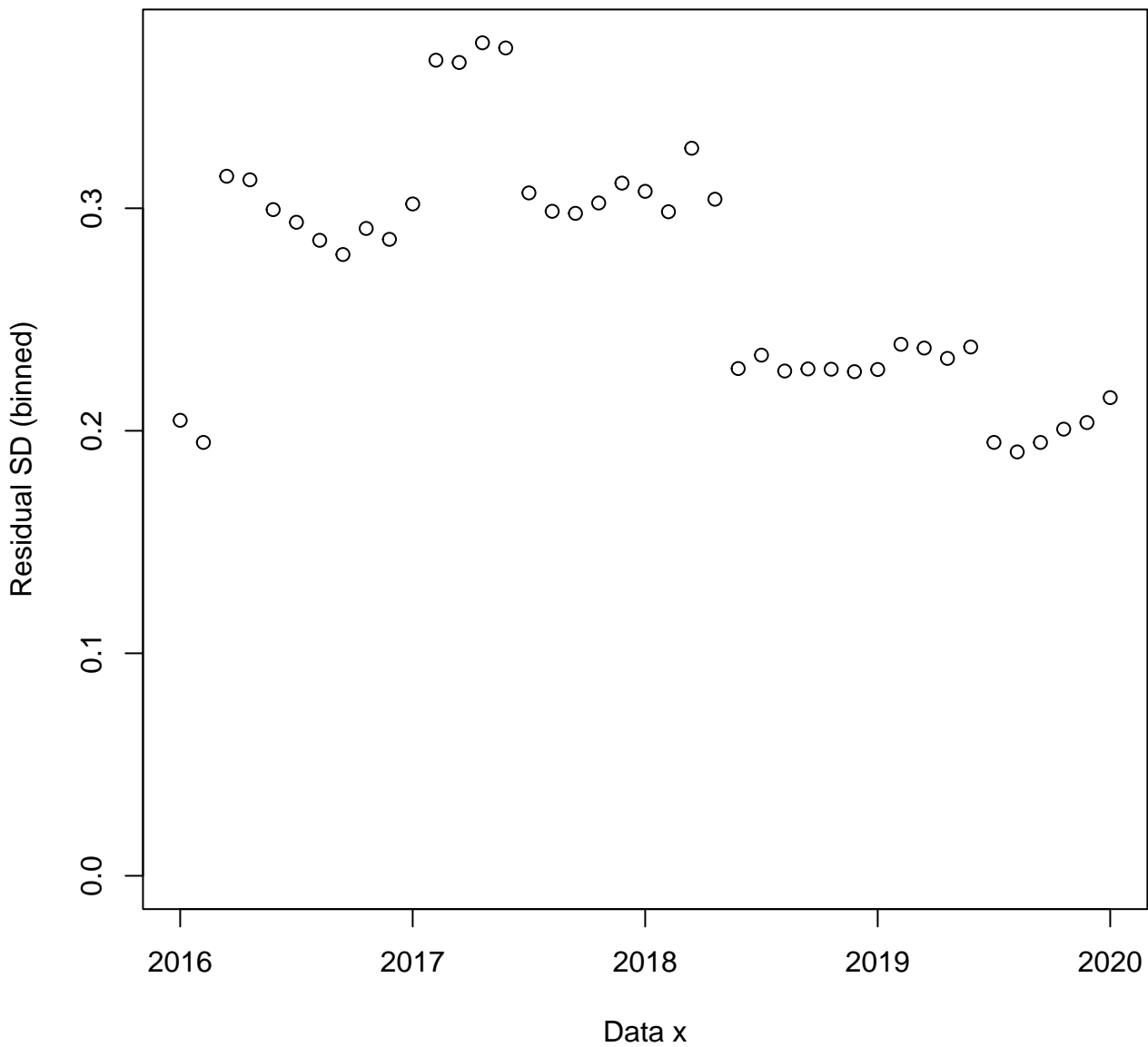


Data y & Post Pred y vs. Data x

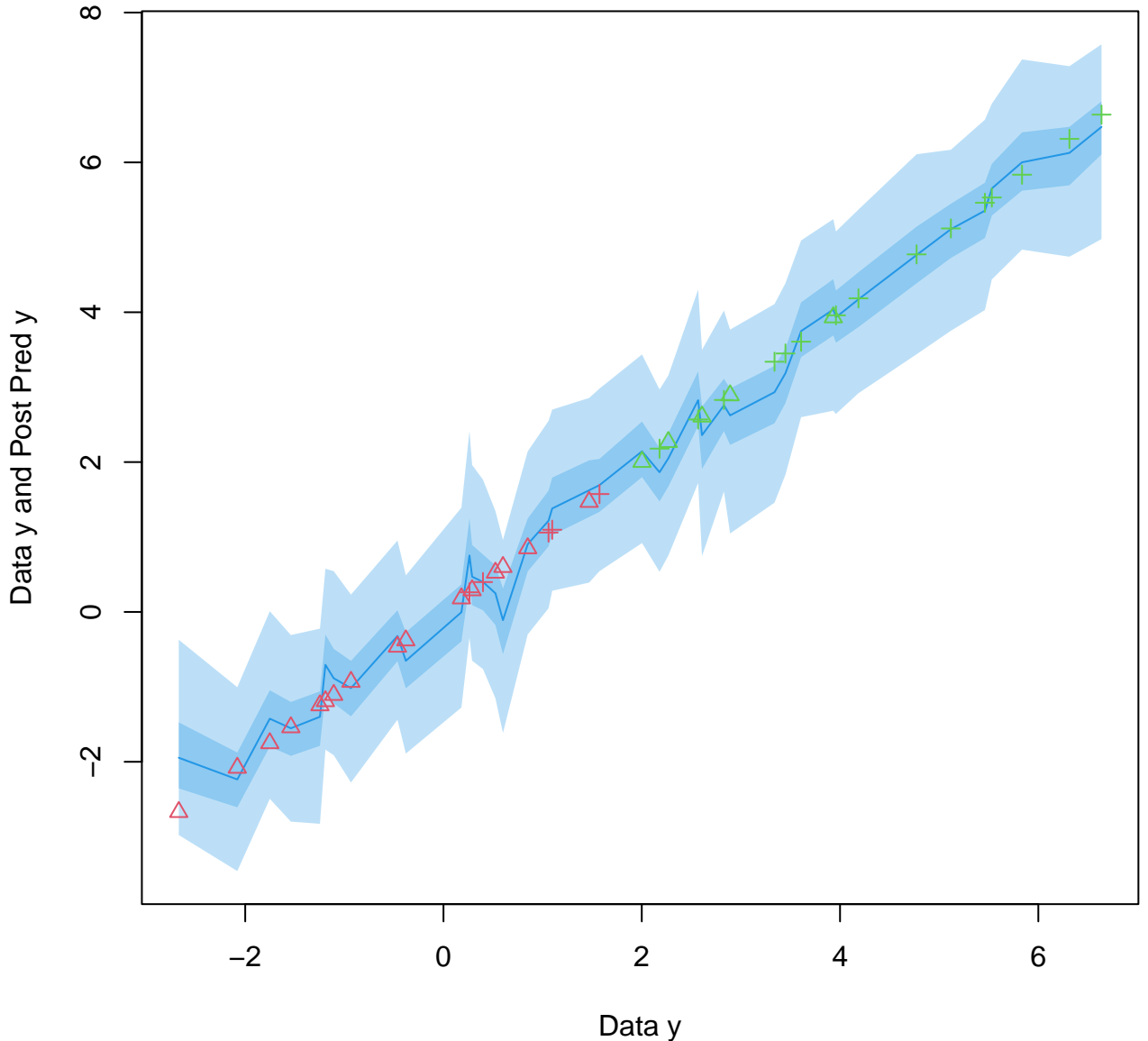


Residuals & PP Residual vs. Data x

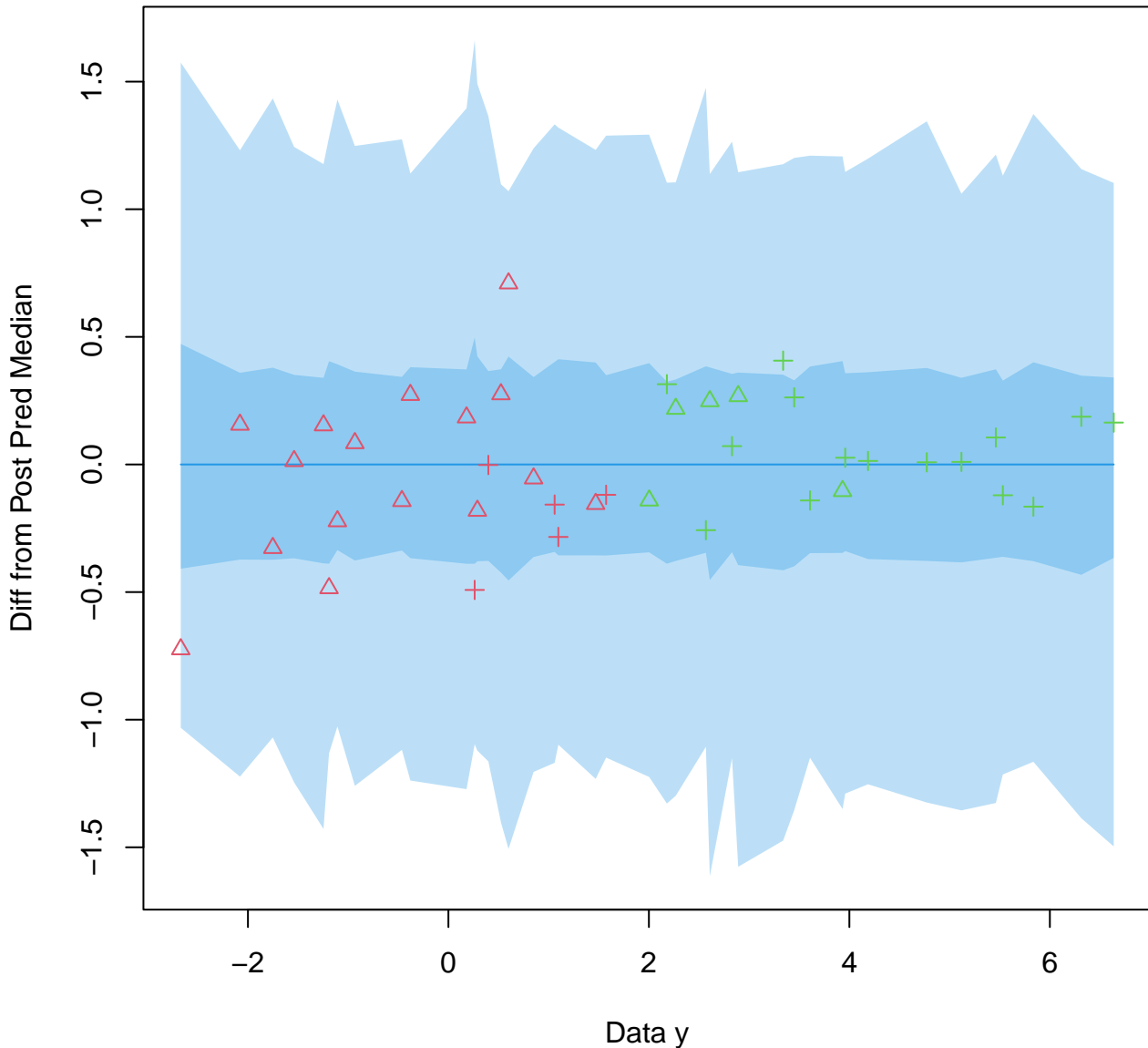


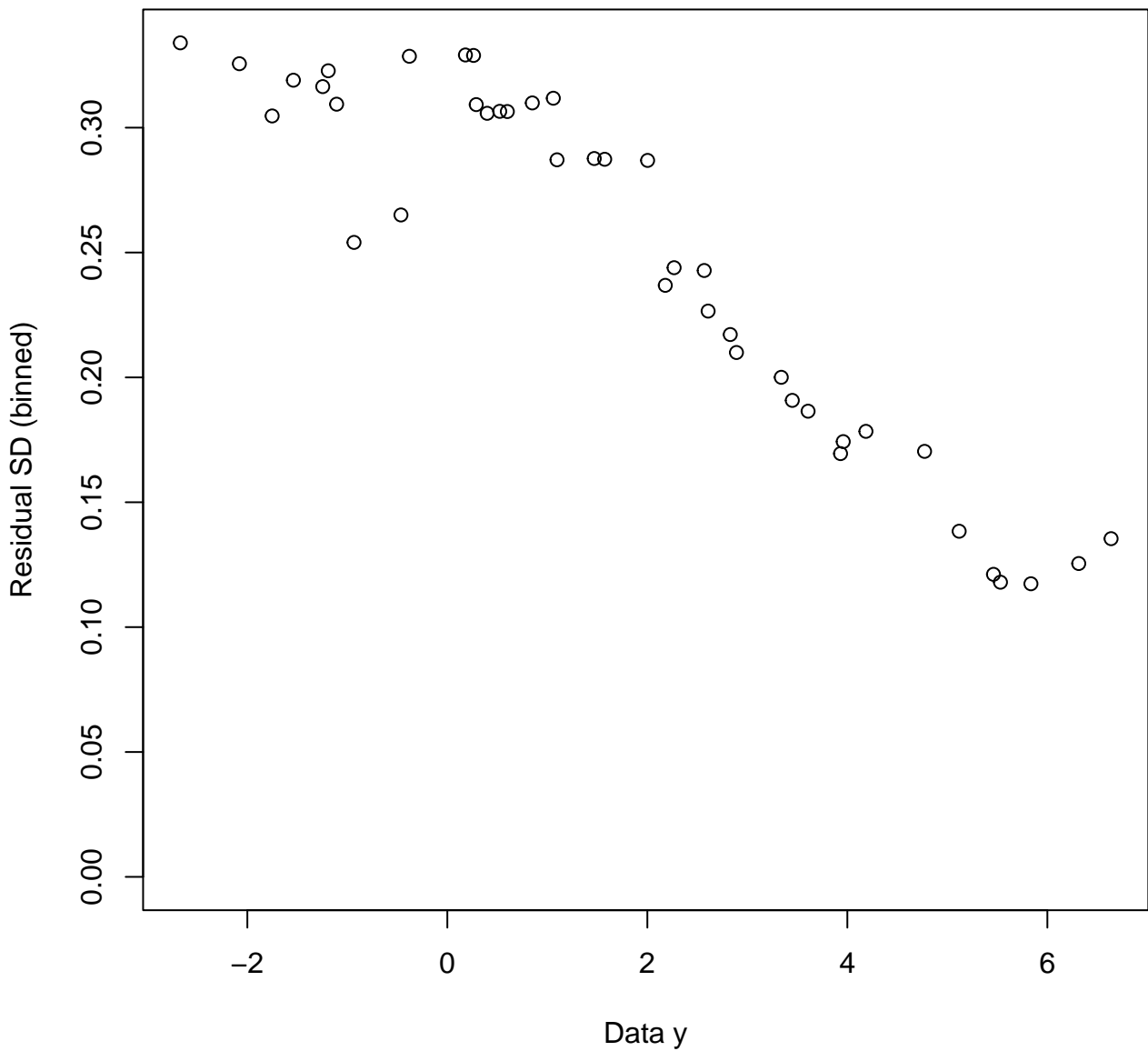


Data y & Post Pred y vs. Data y

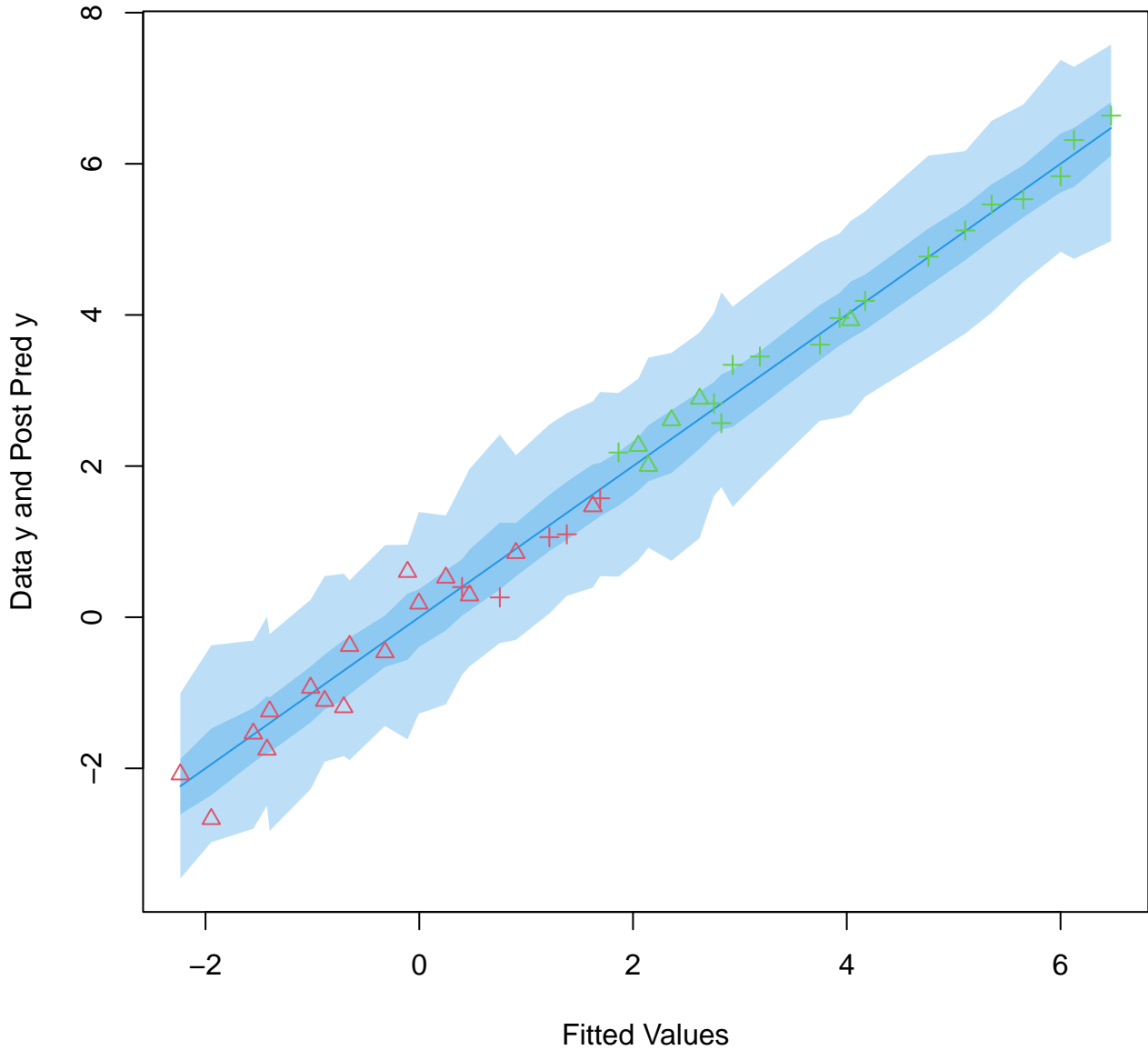


Residuals & PP Residual vs. Data y

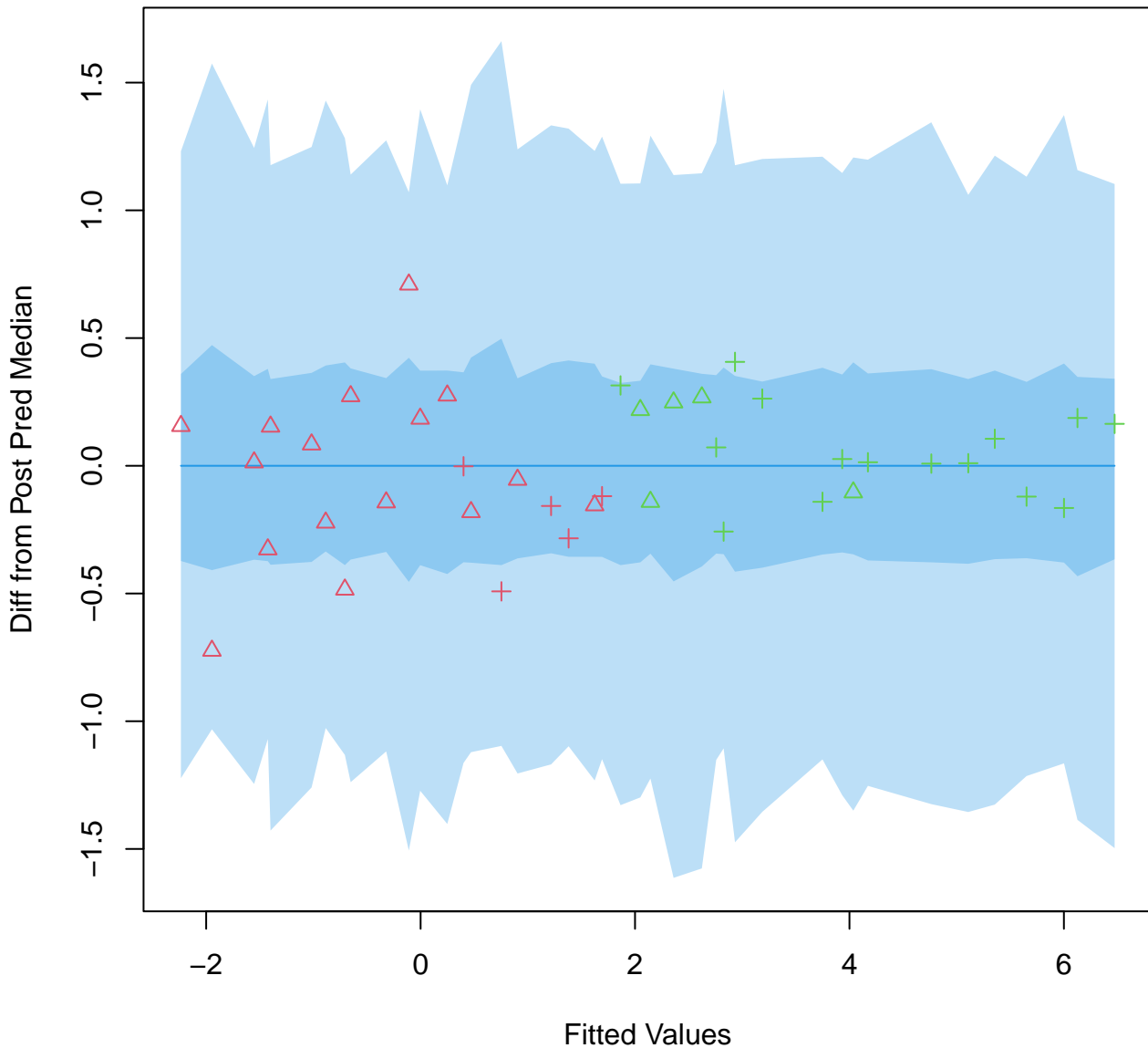


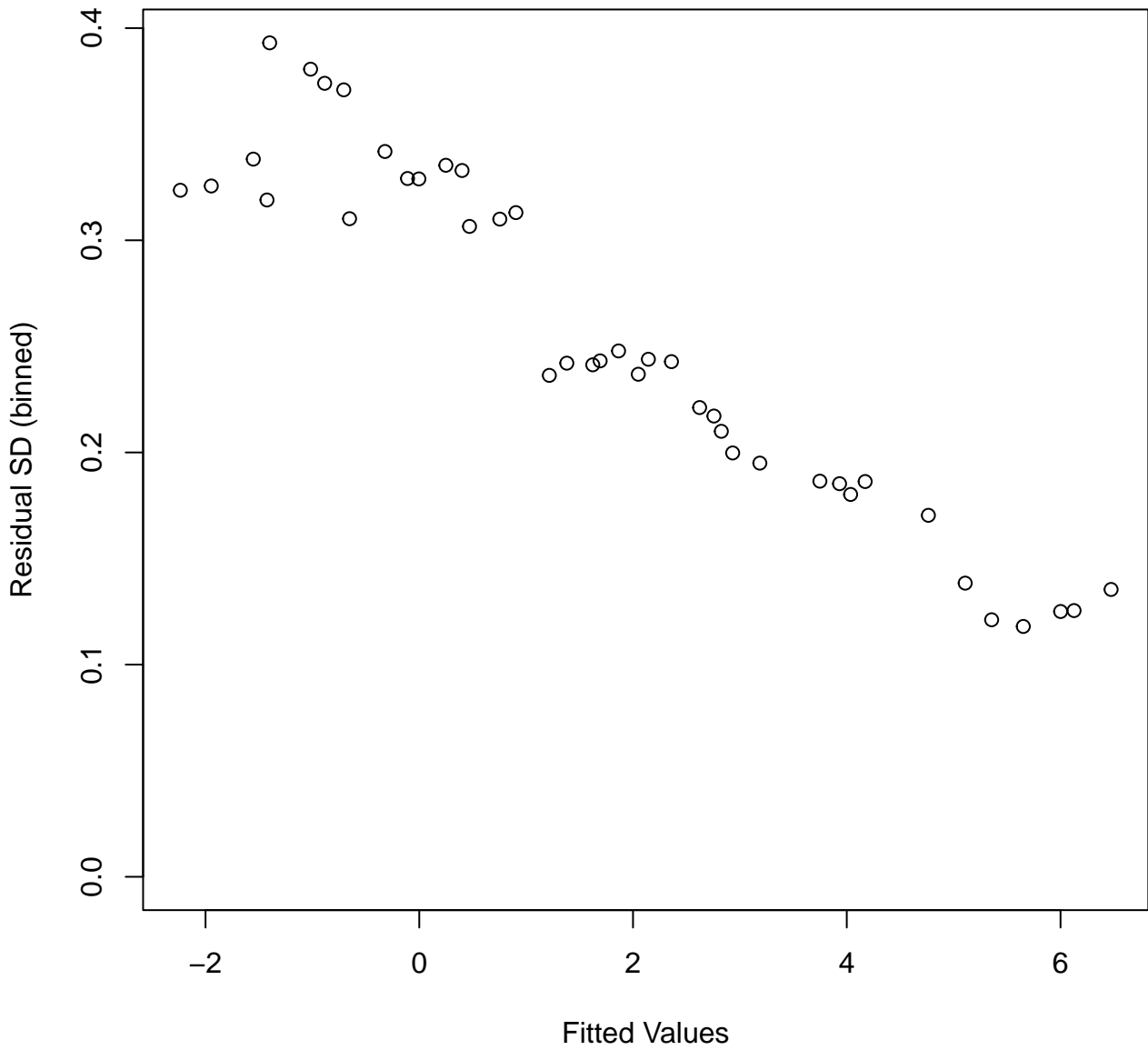


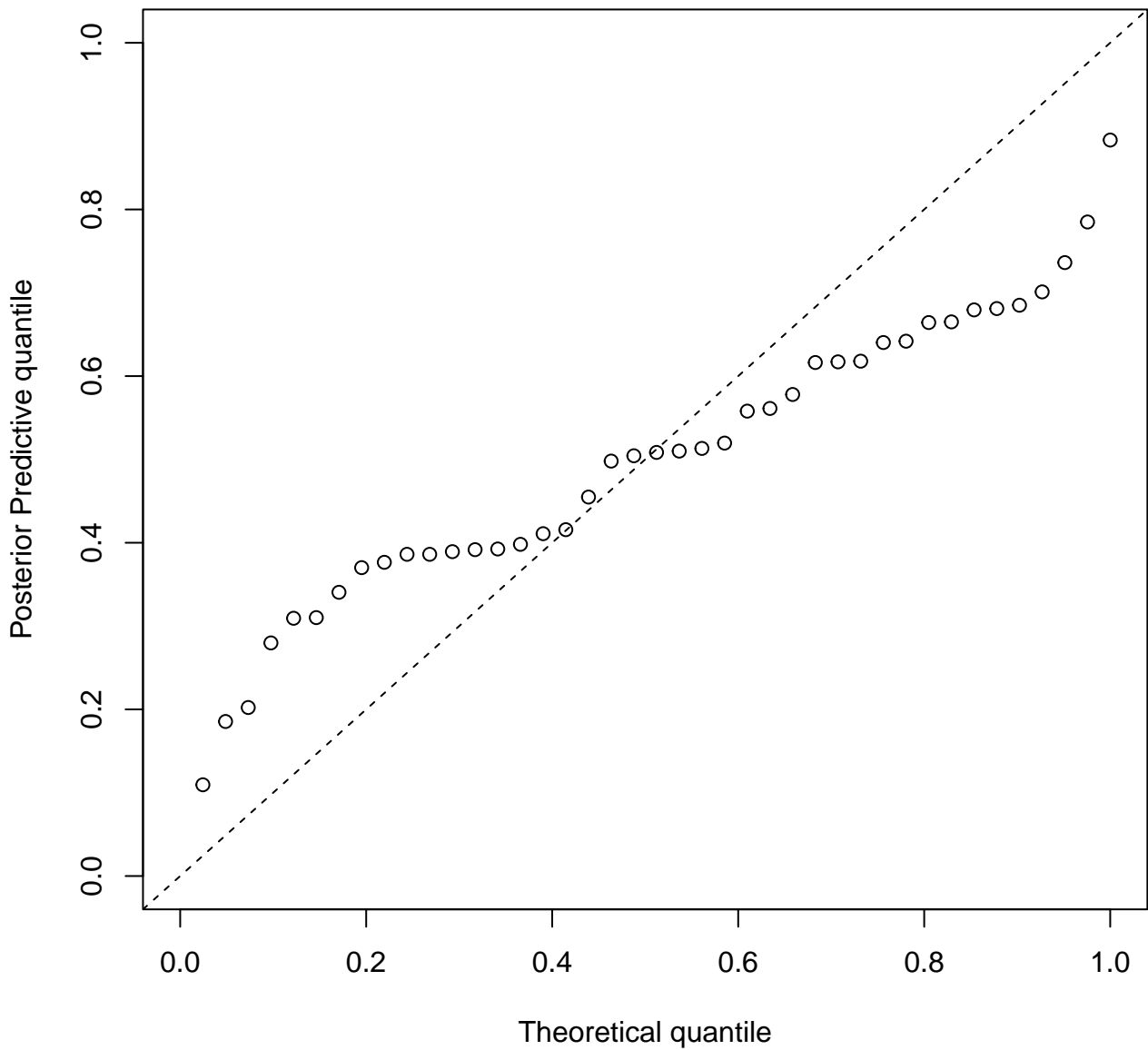
Data y & Post Pred y vs. Fitted Values

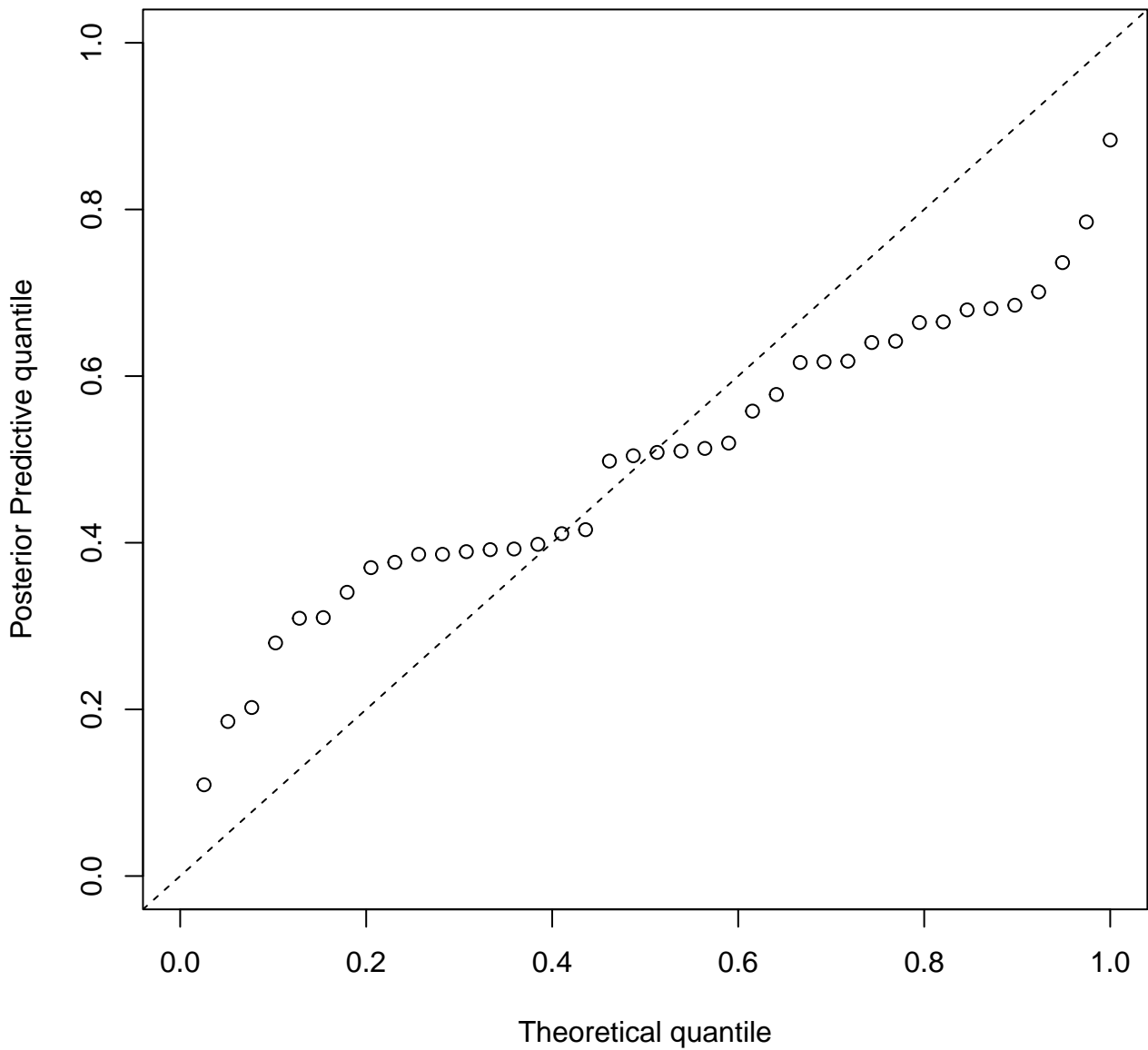


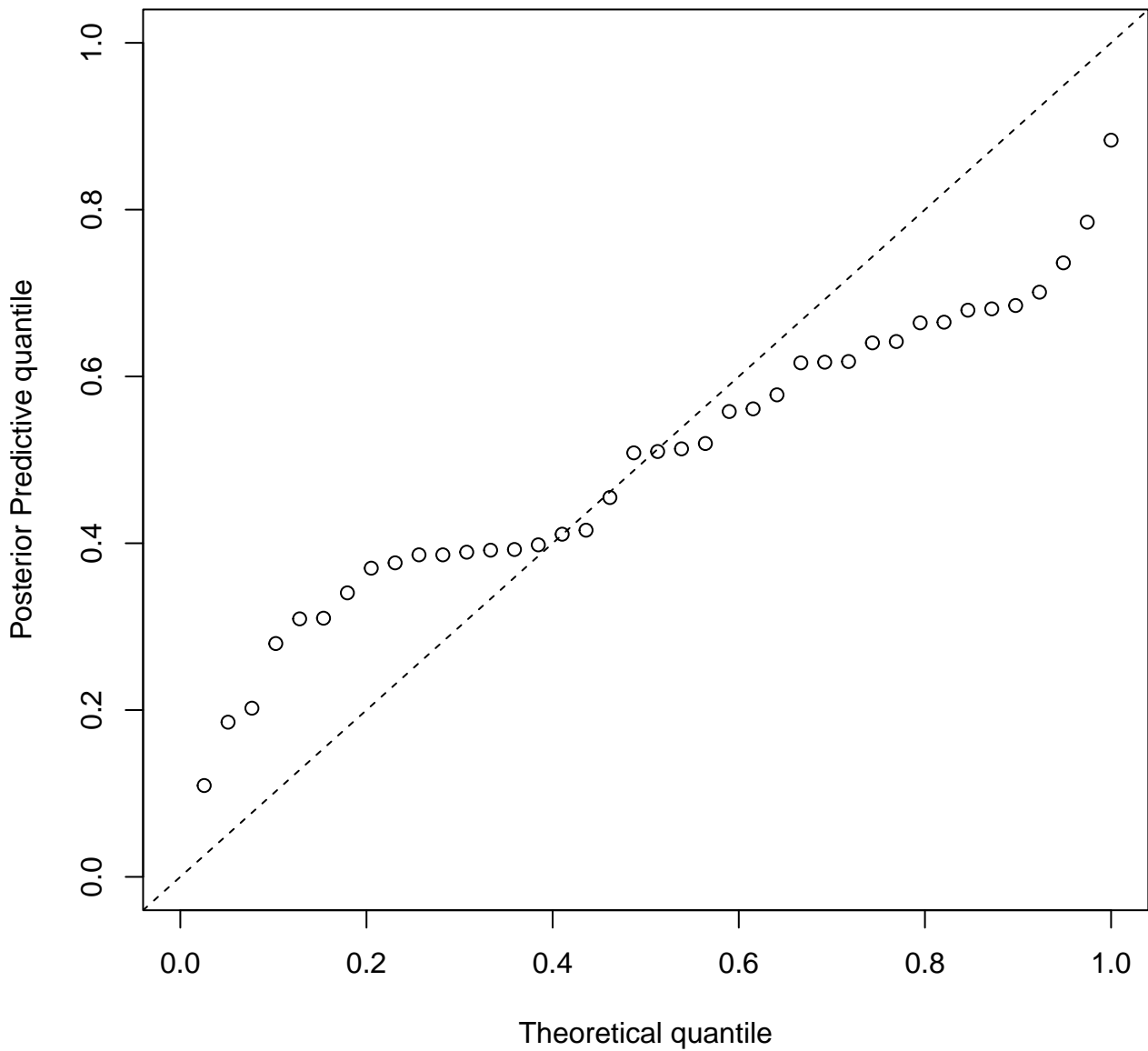
Residuals & PP Residual vs. Fitted Values

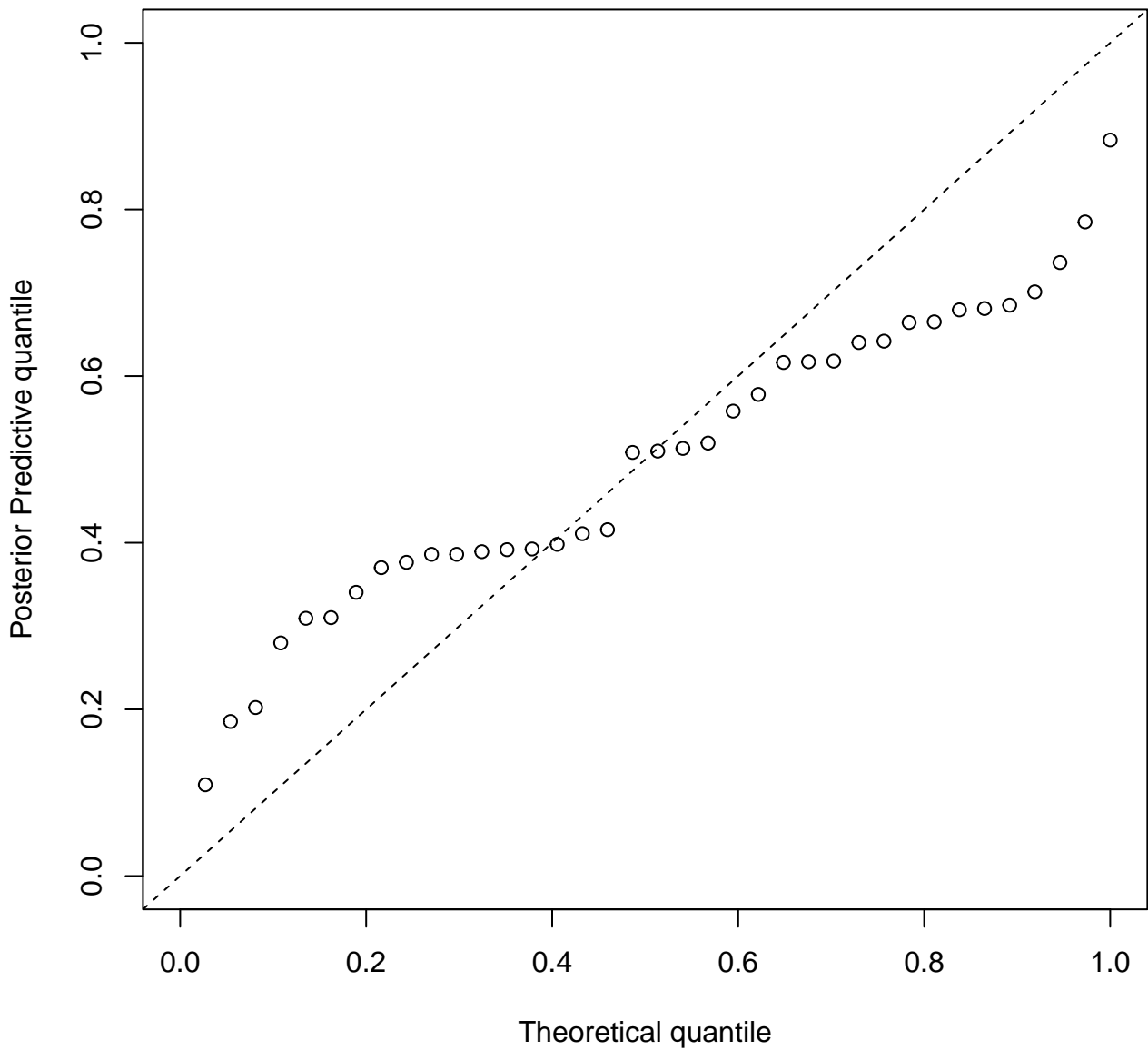


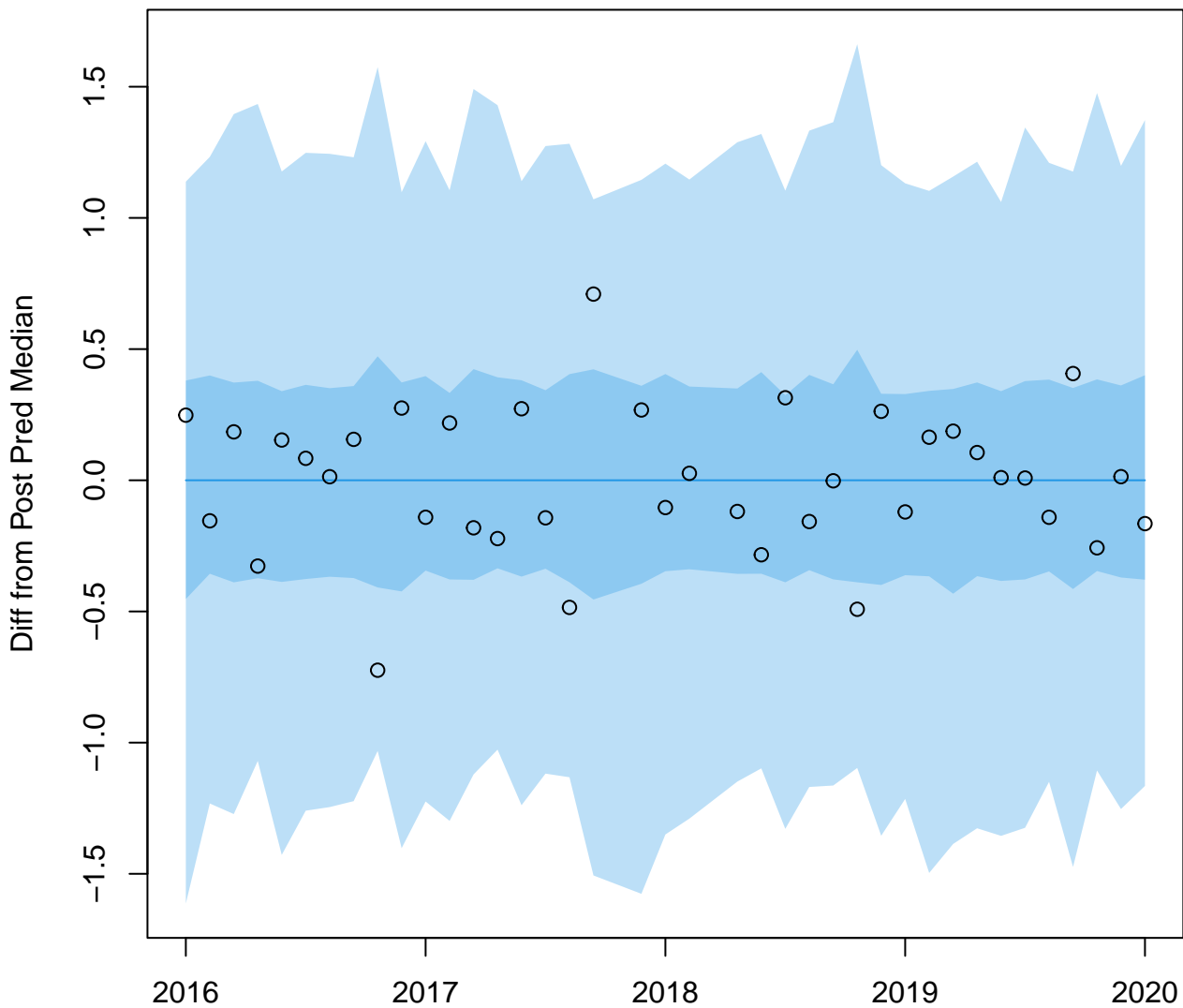


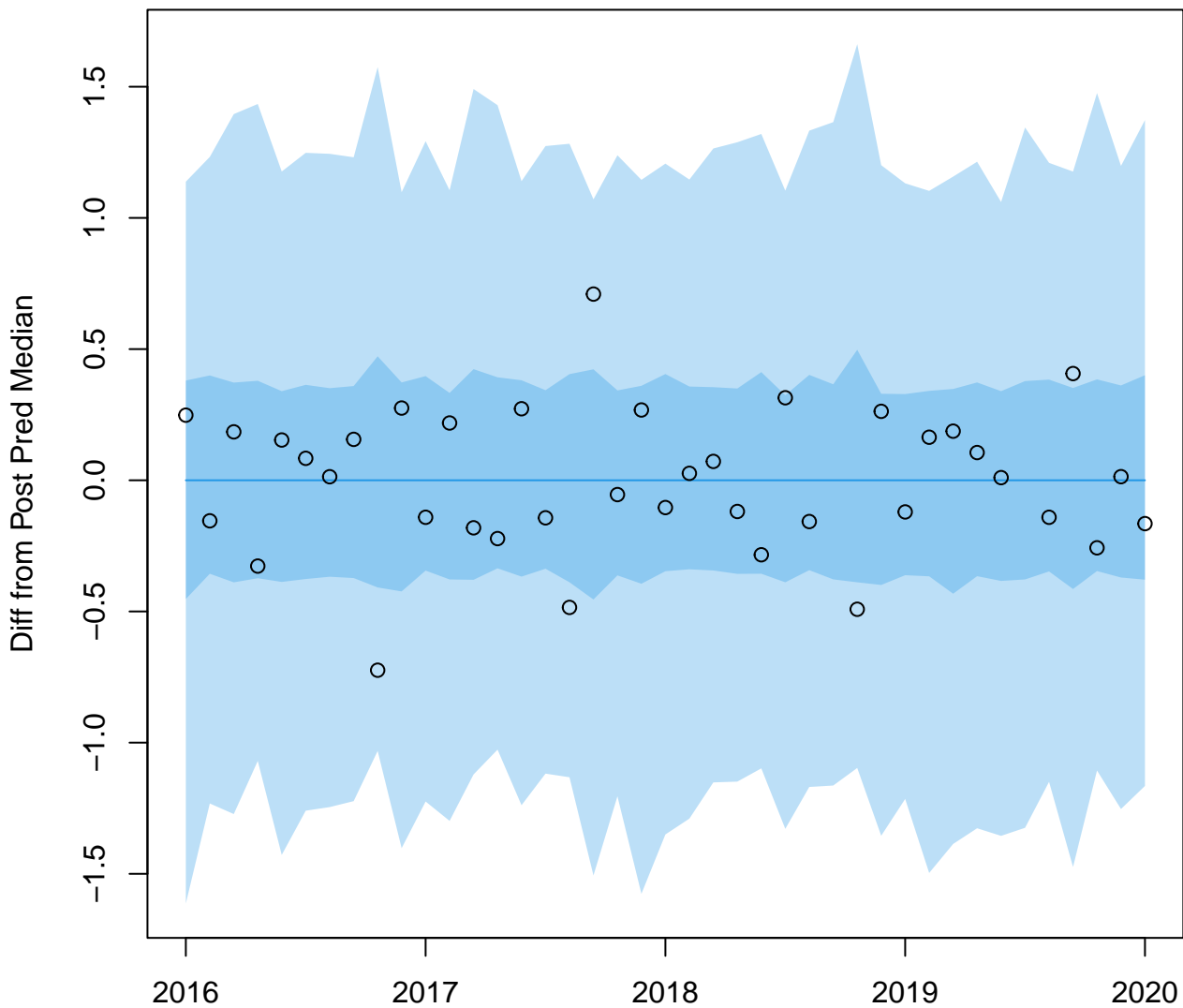


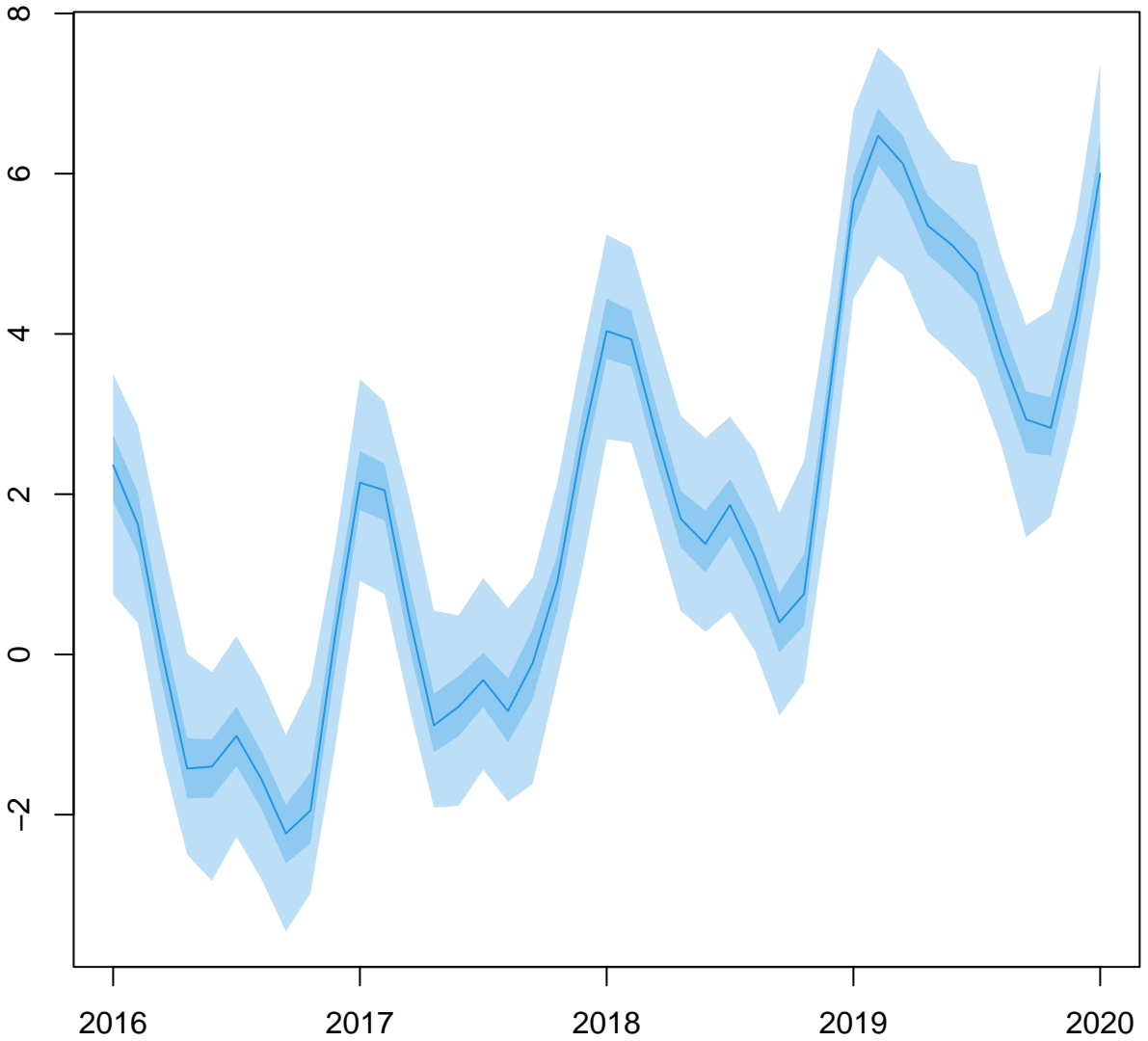


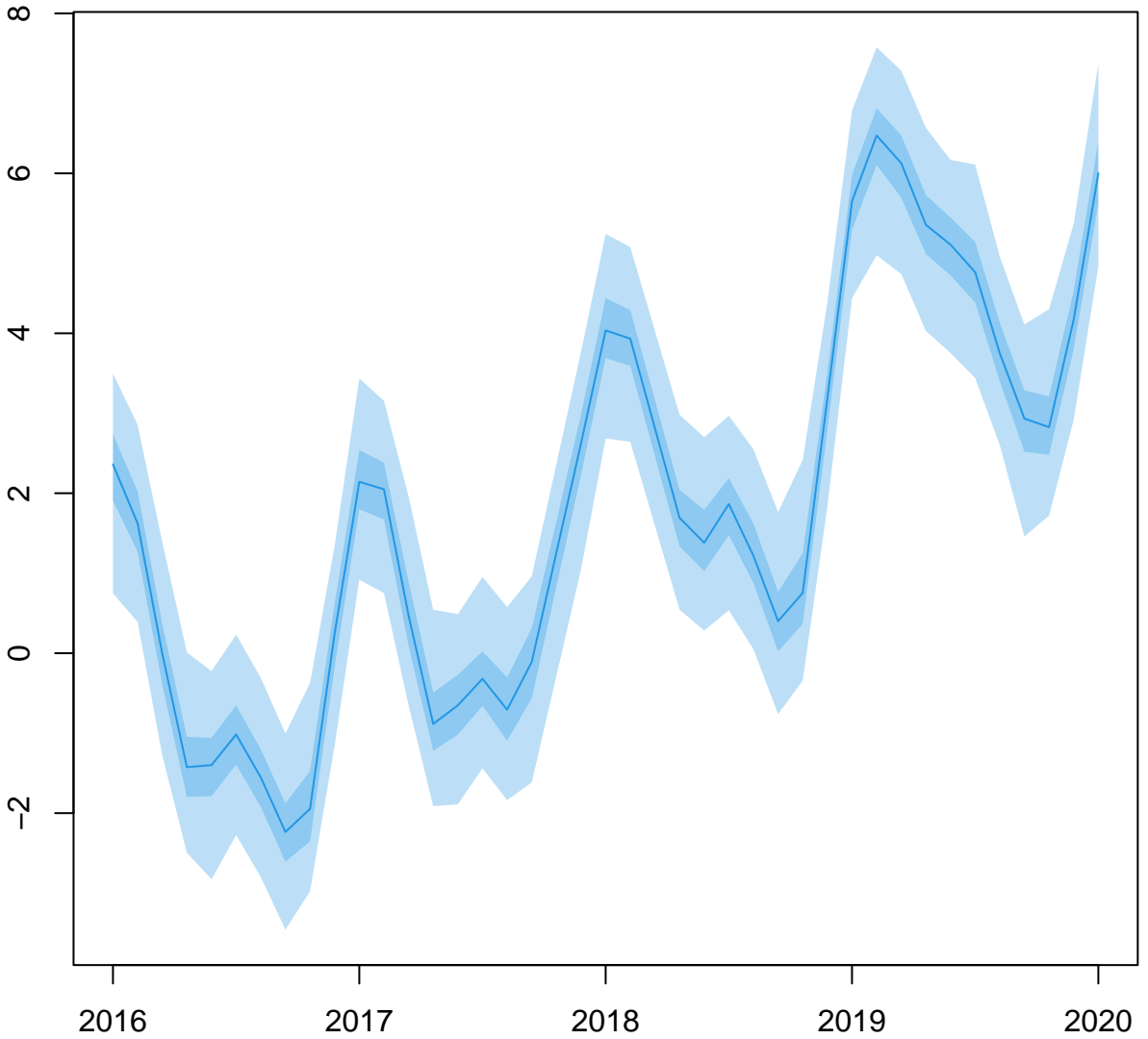


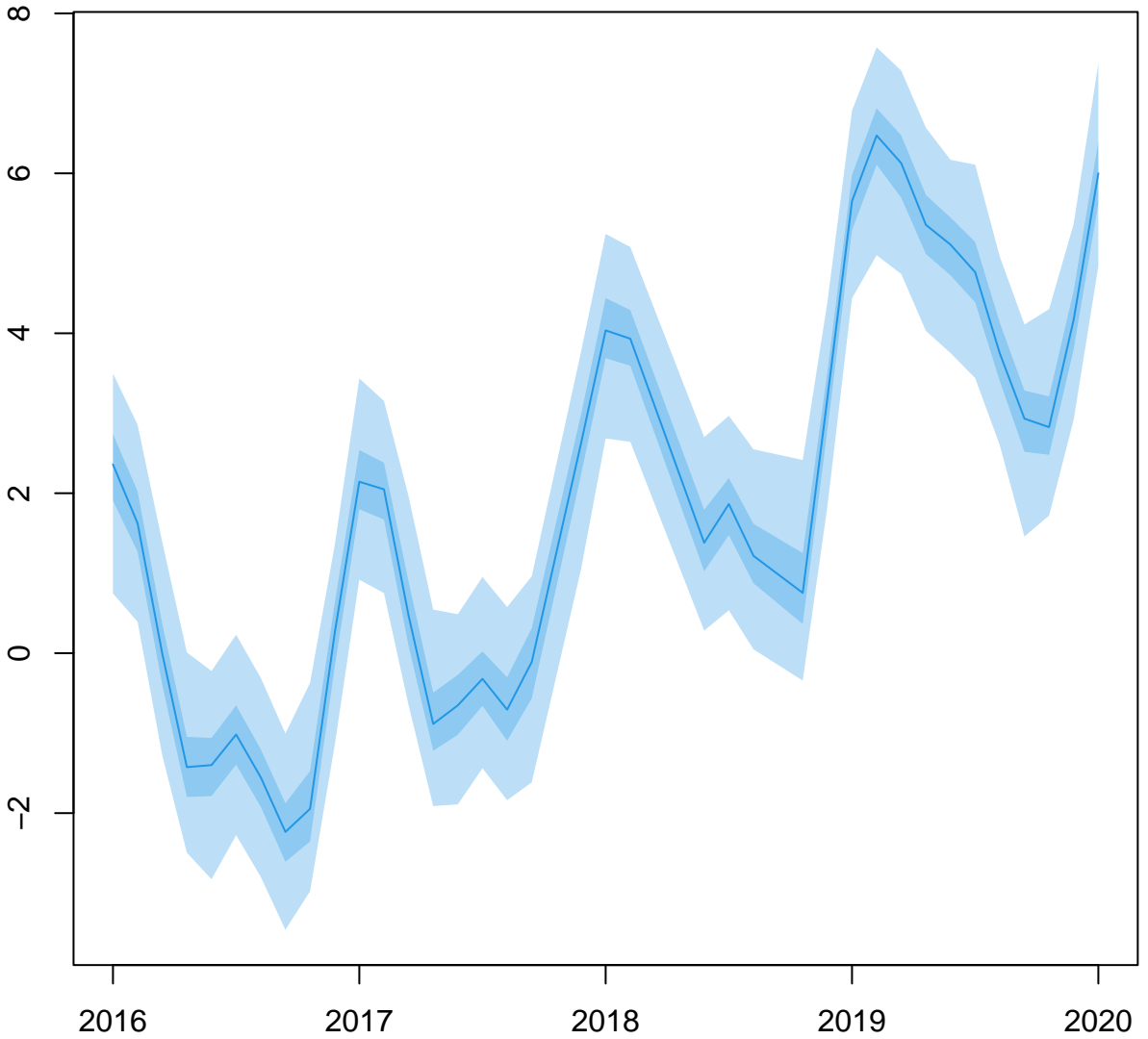




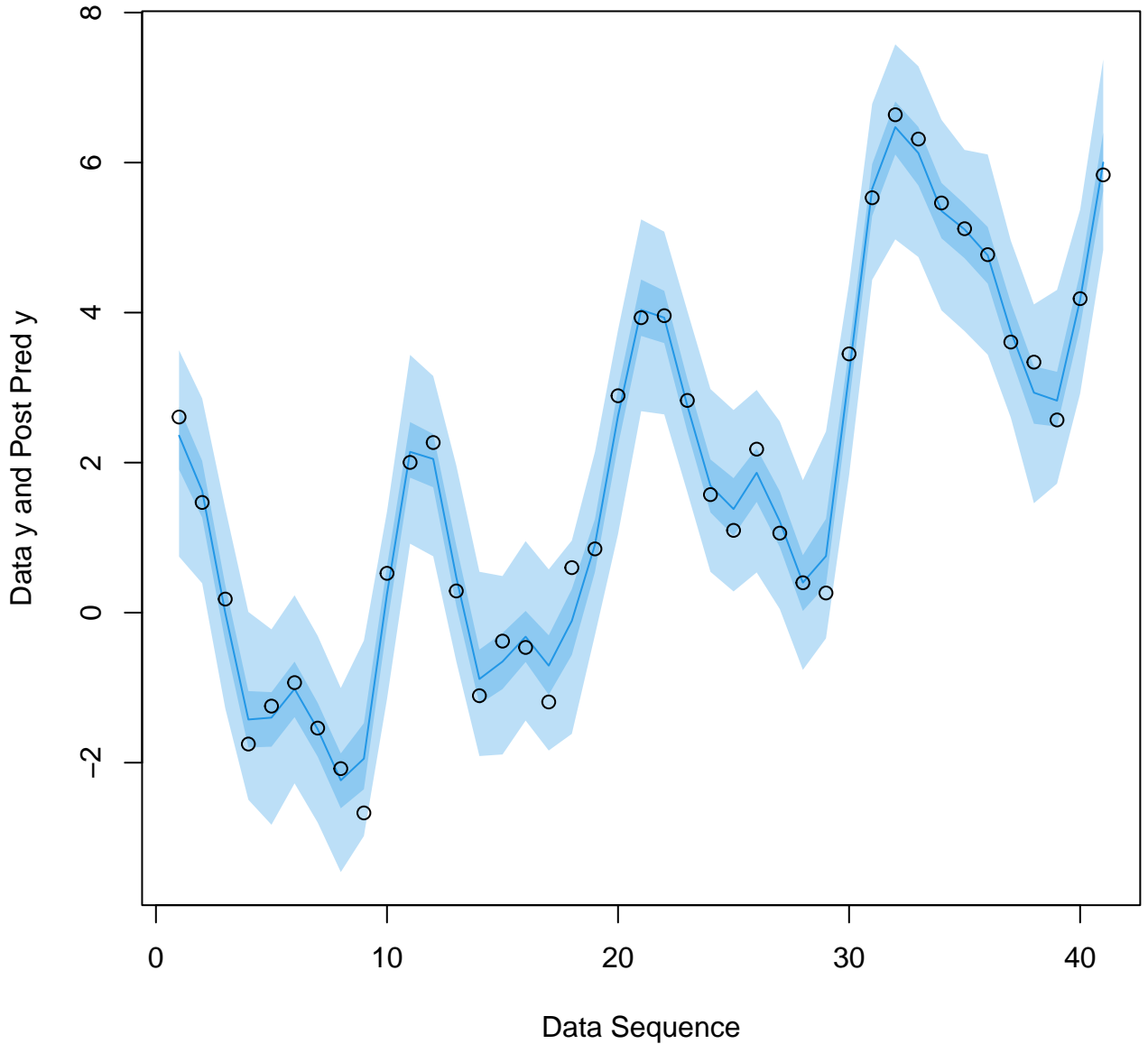




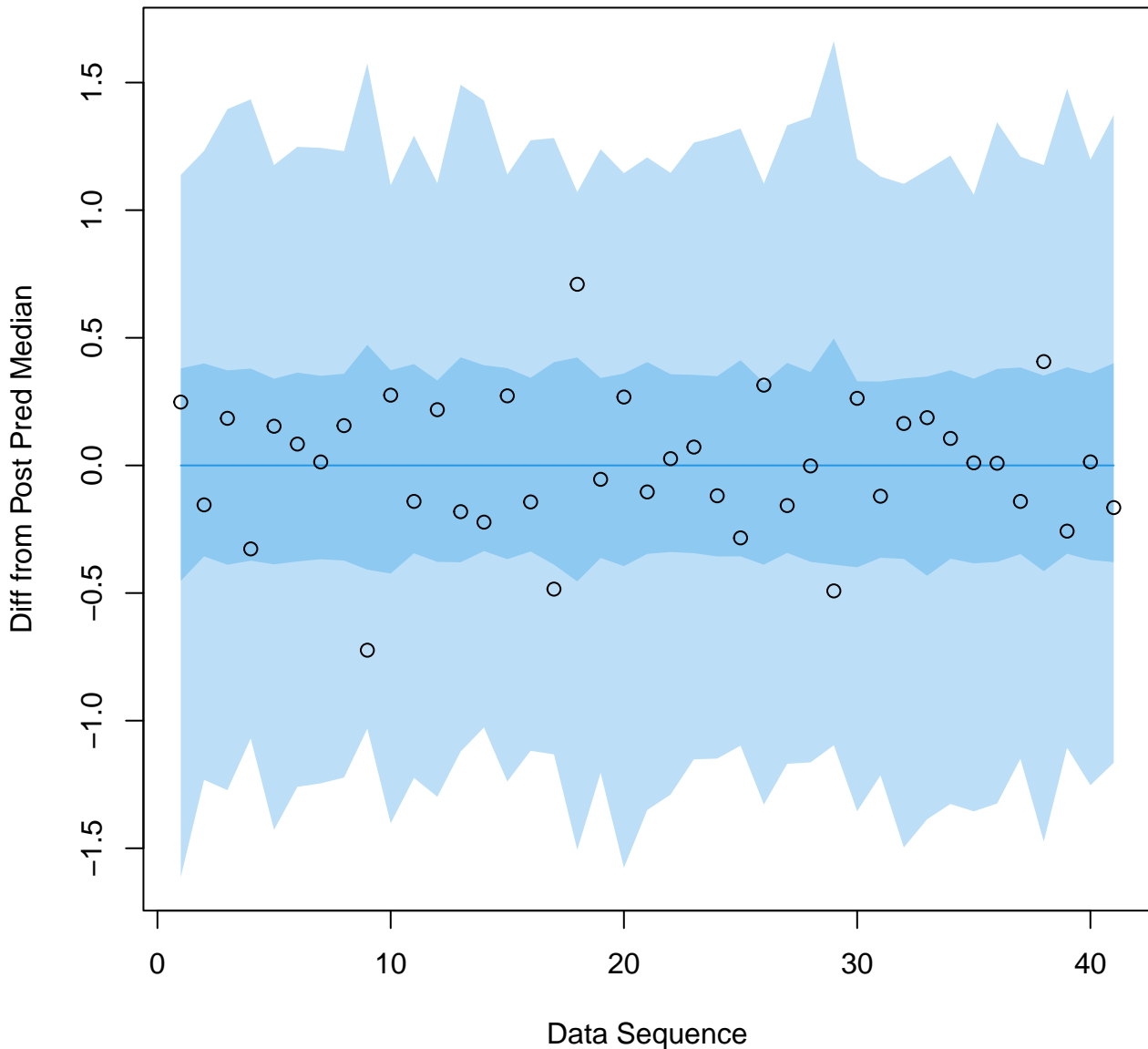


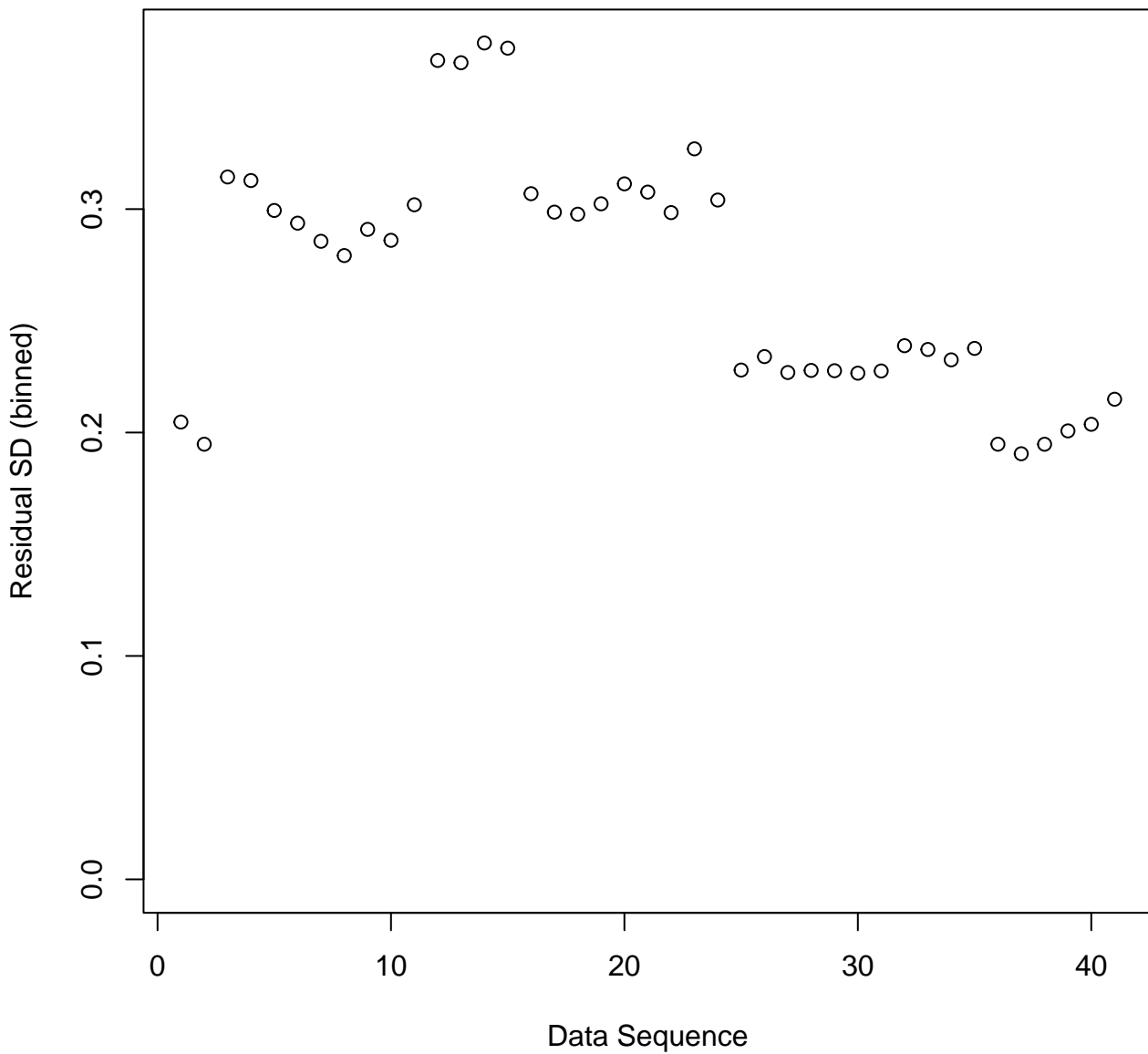


**Data y & Post Pred y
vs. Data Sequence**

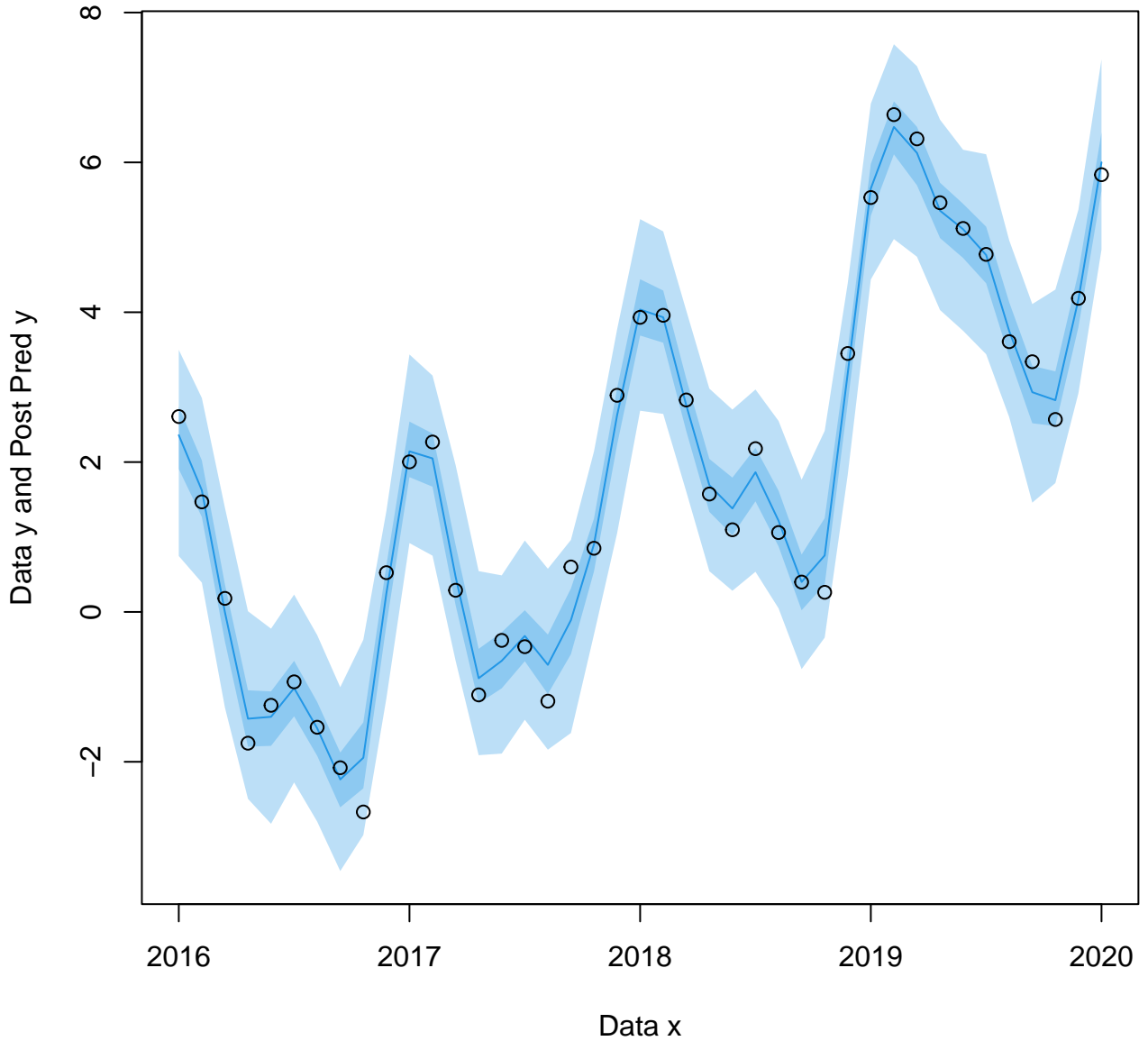


Residuals & PP Residual vs. Data Sequence

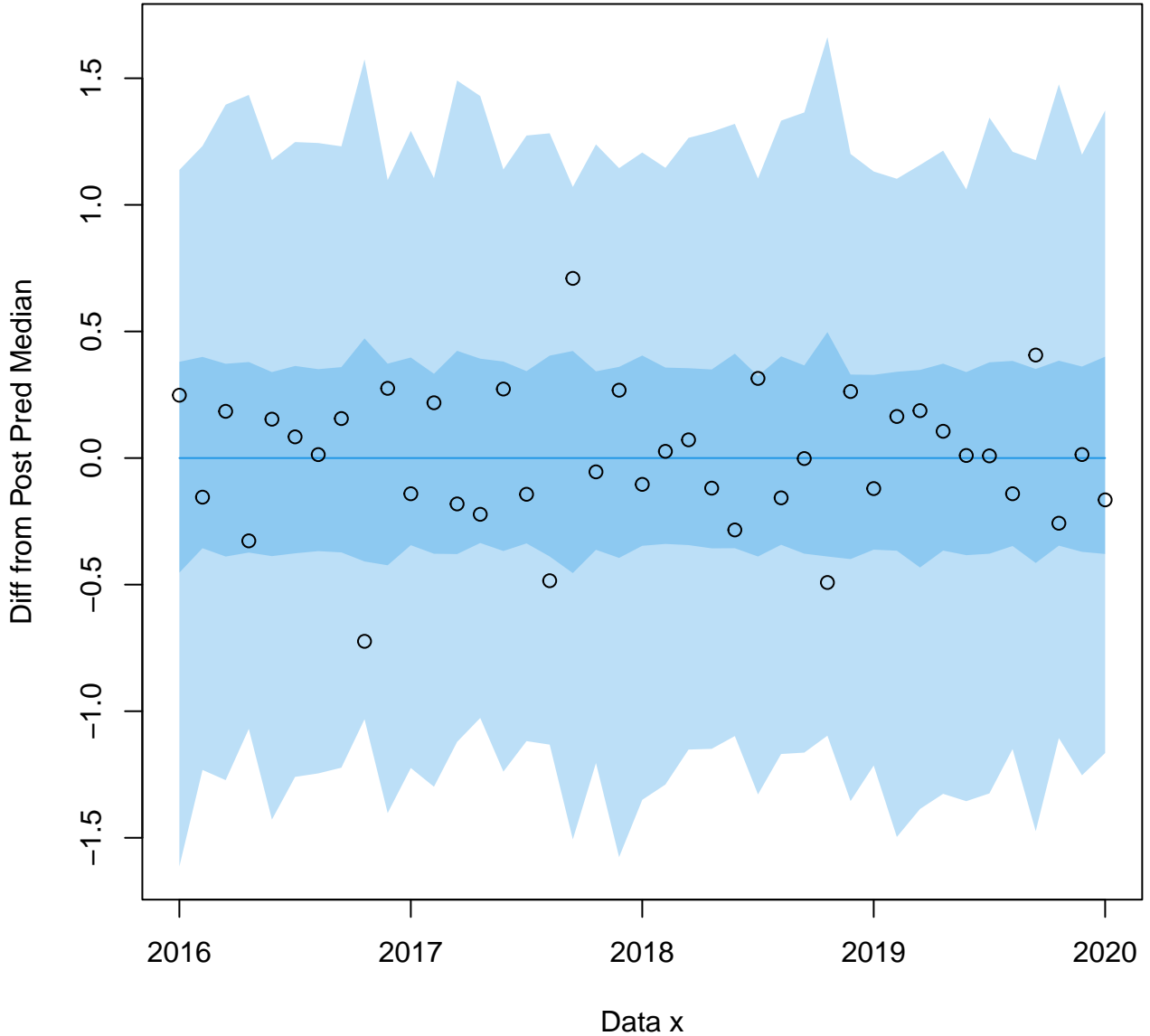


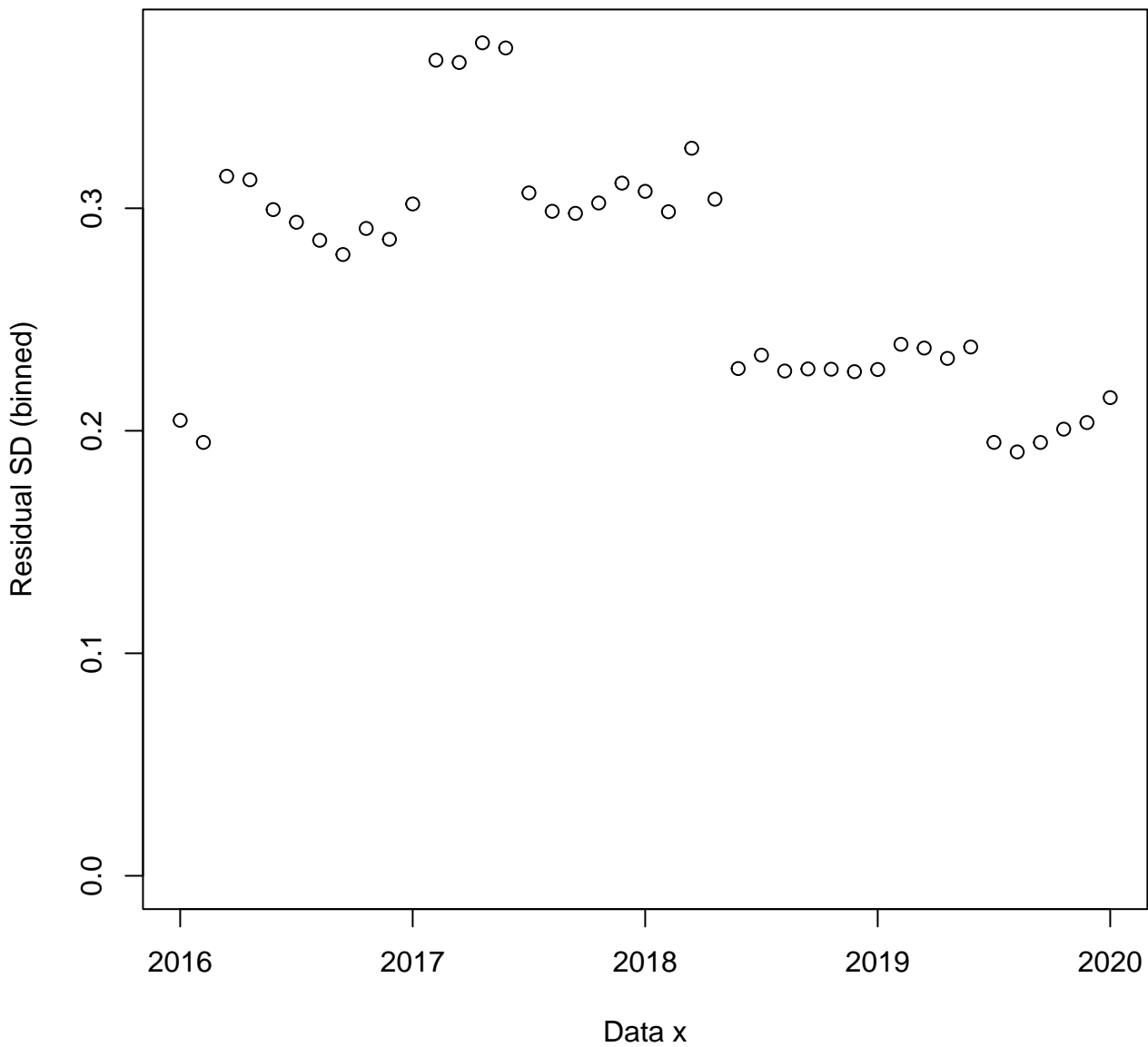


Data y & Post Pred y vs. Data x

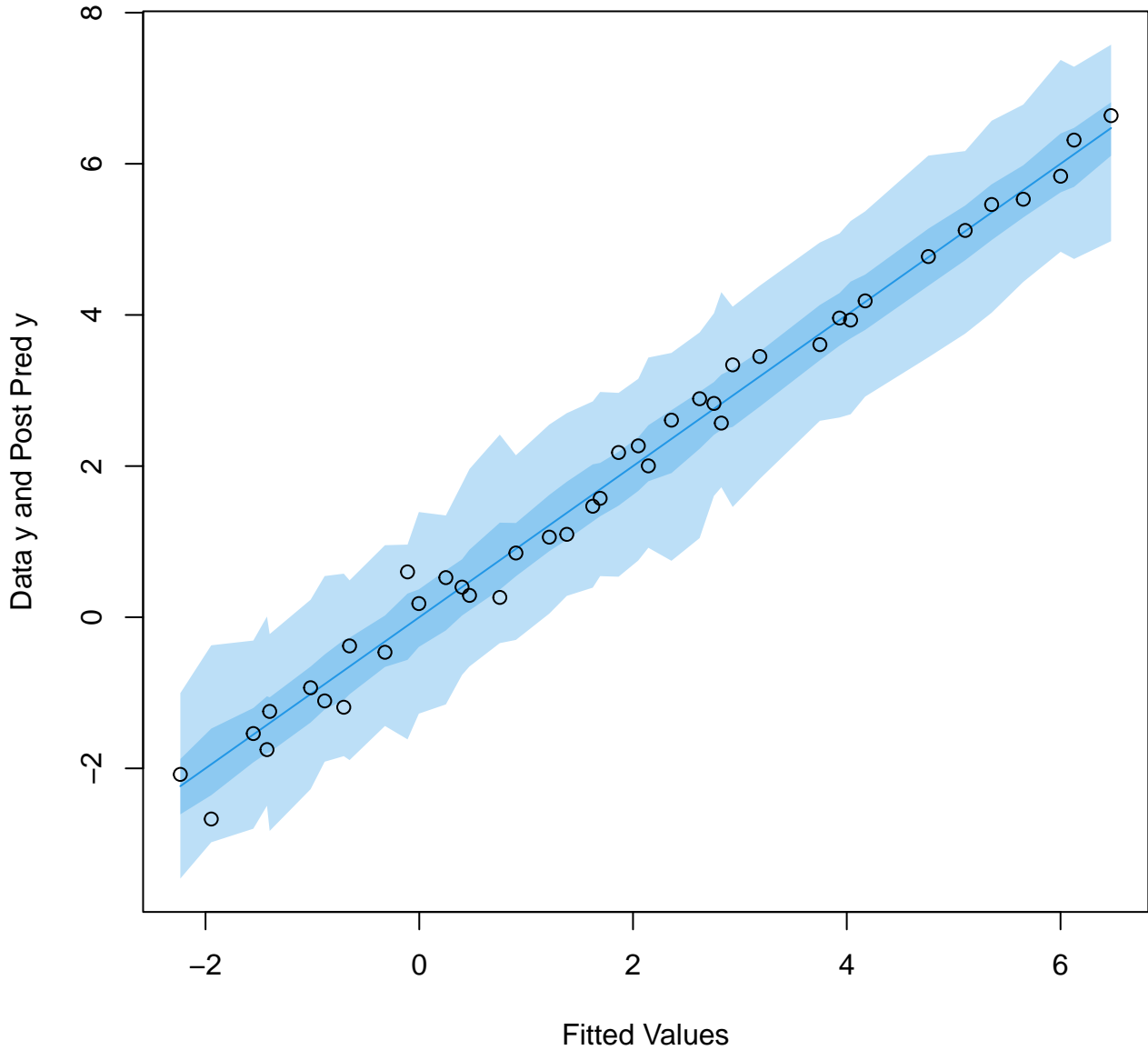


Residuals & PP Residual vs. Data x

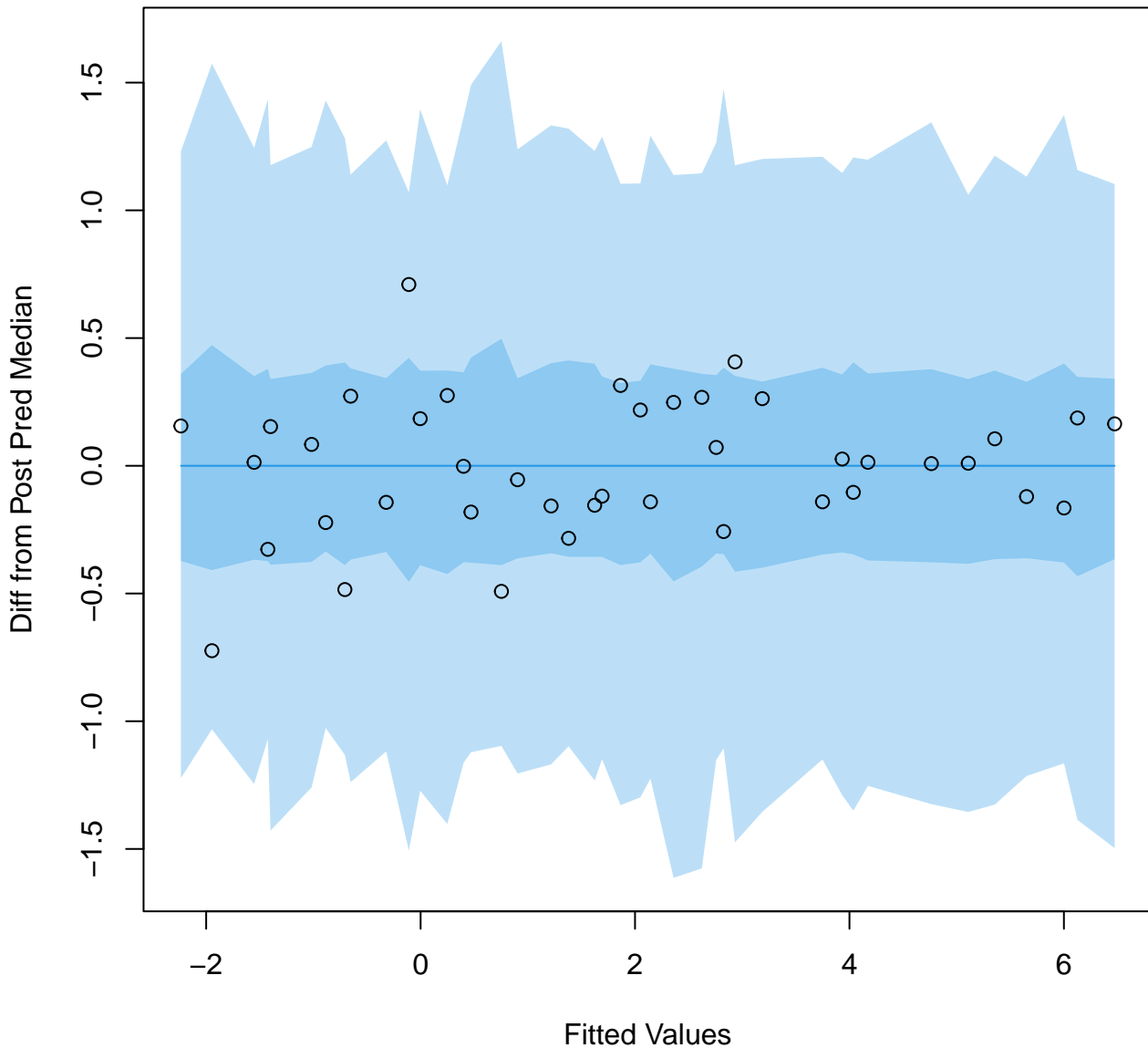


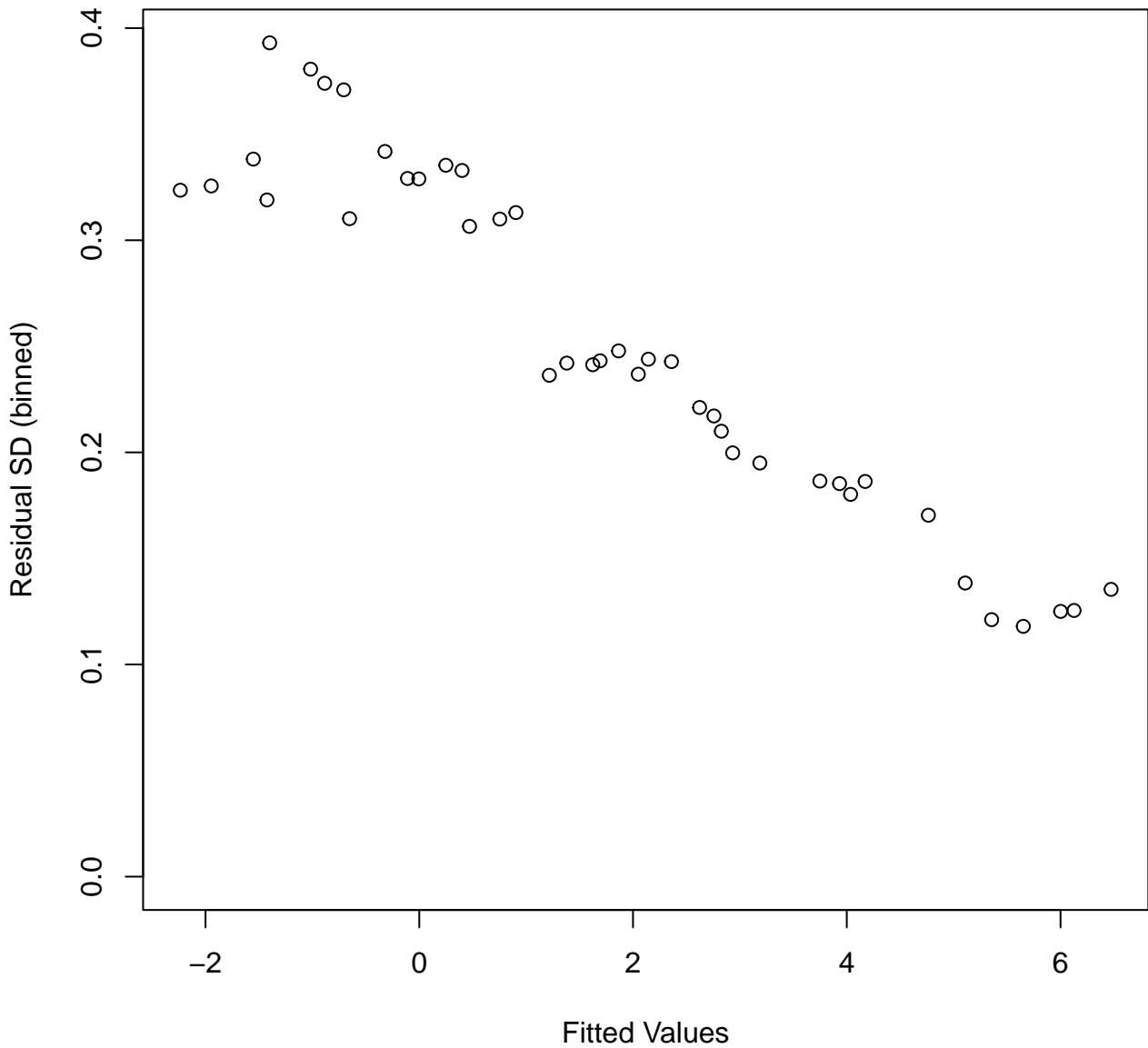


Data y & Post Pred y vs. Fitted Values

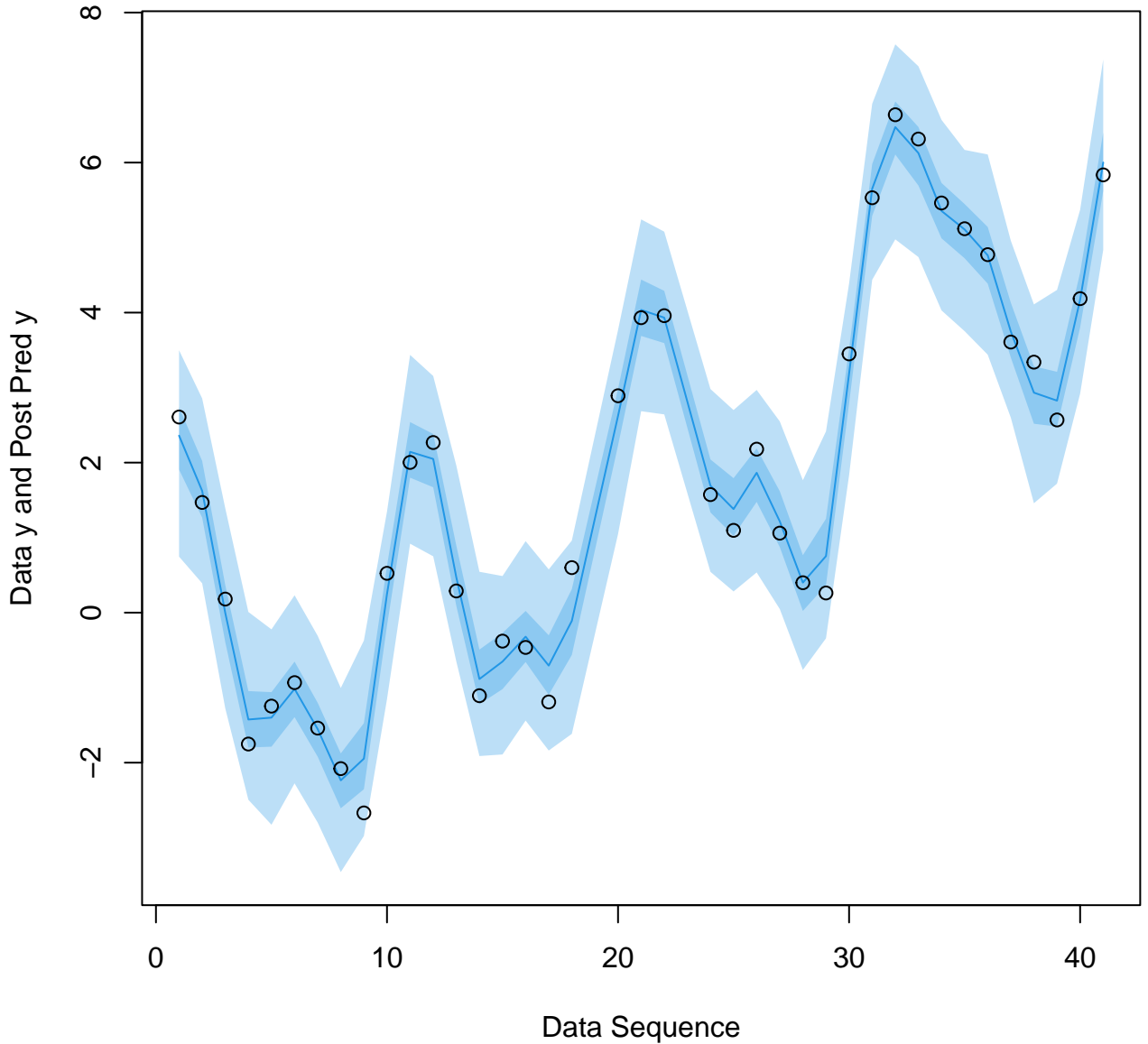


Residuals & PP Residual vs. Fitted Values

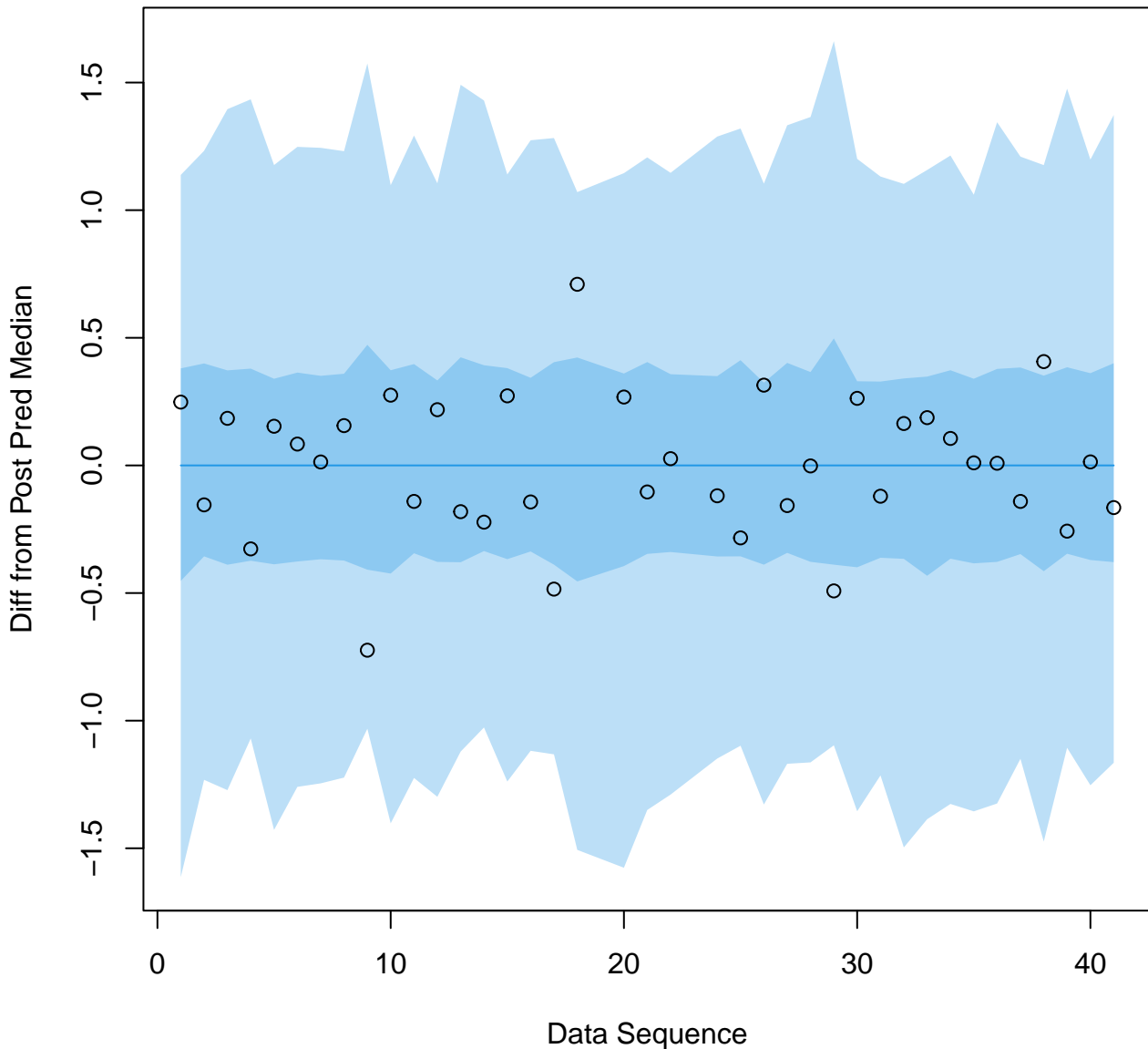


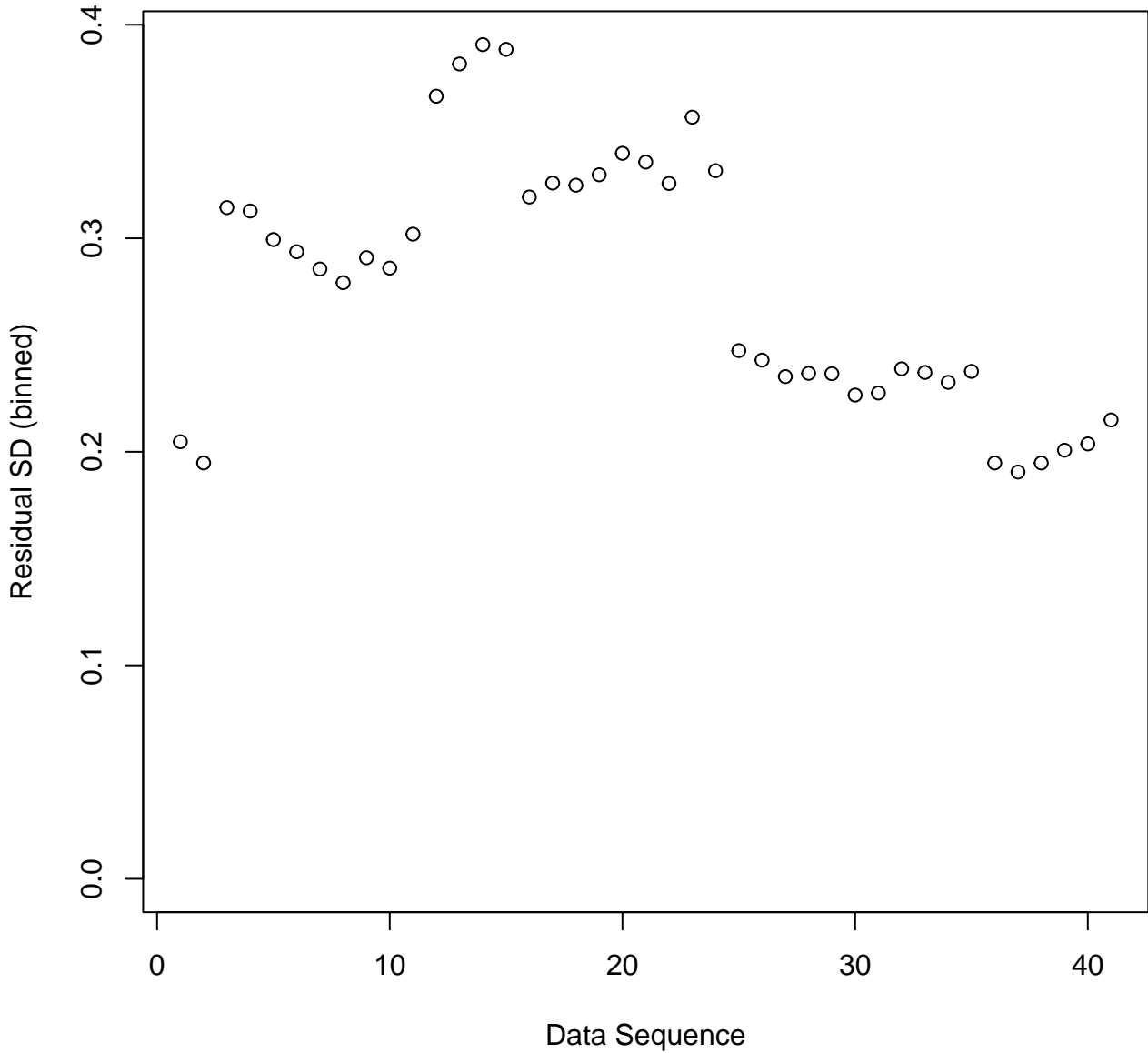


**Data y & Post Pred y
vs. Data Sequence**

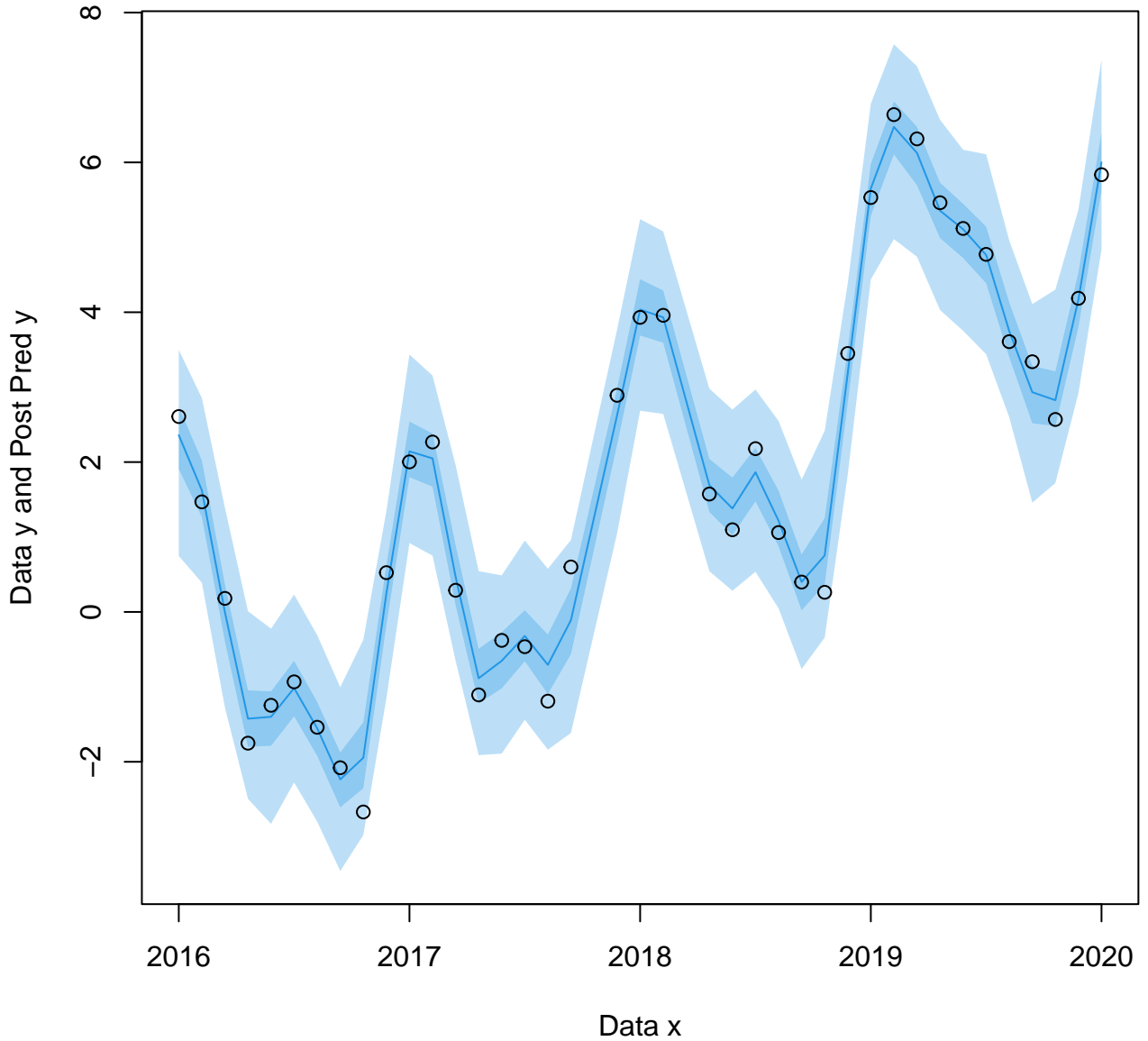


Residuals & PP Residual vs. Data Sequence

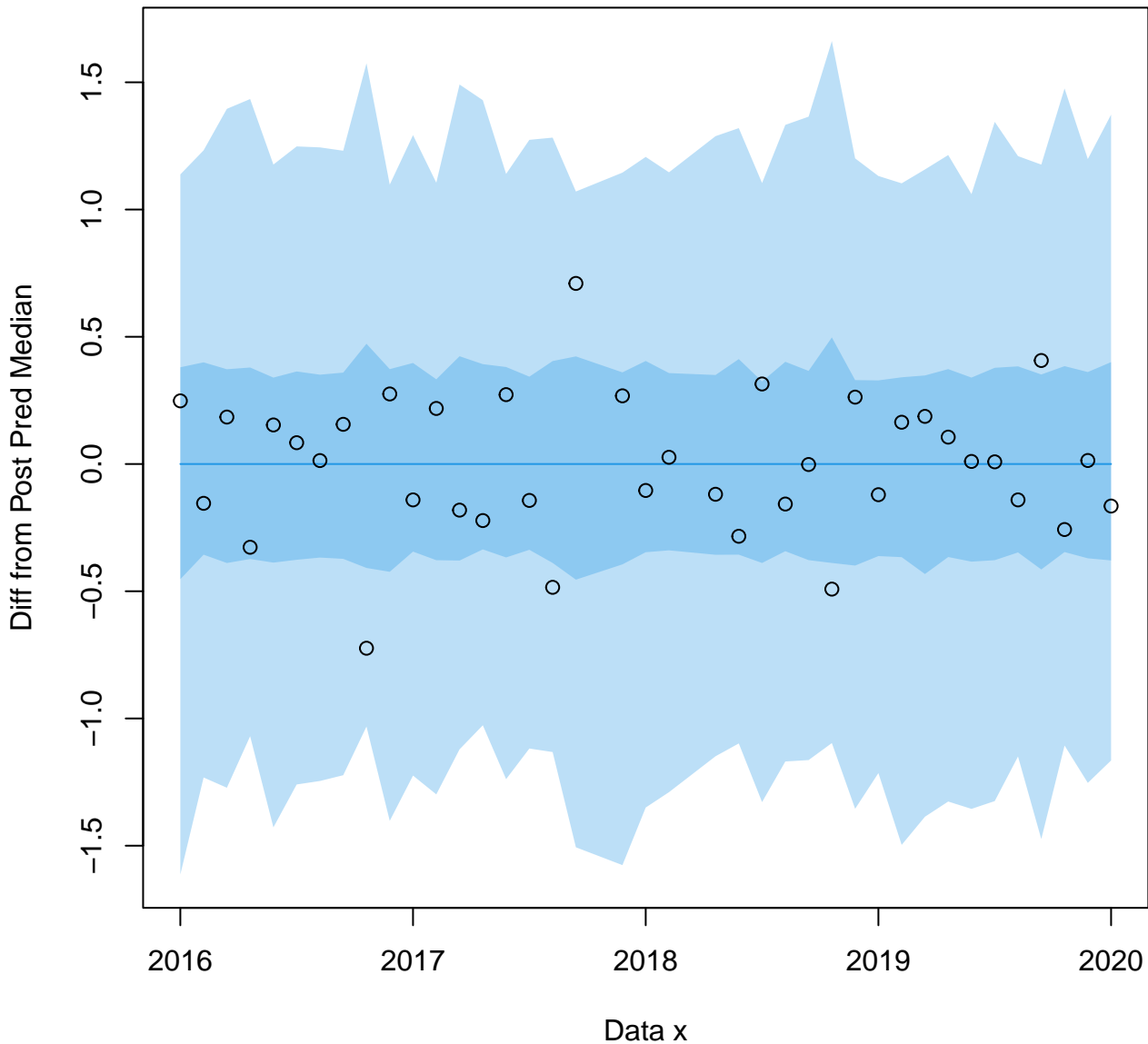


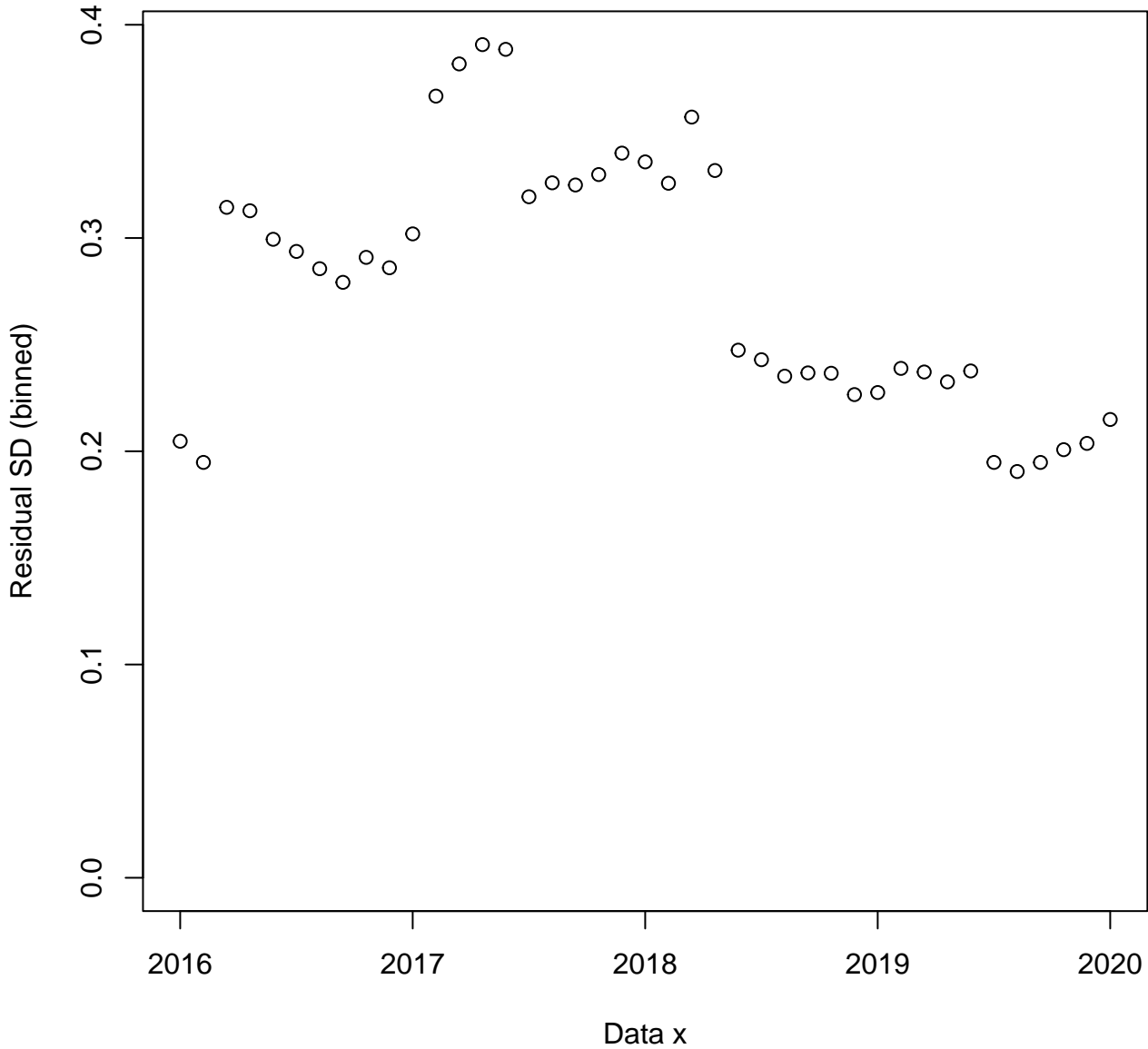


Data y & Post Pred y vs. Data x

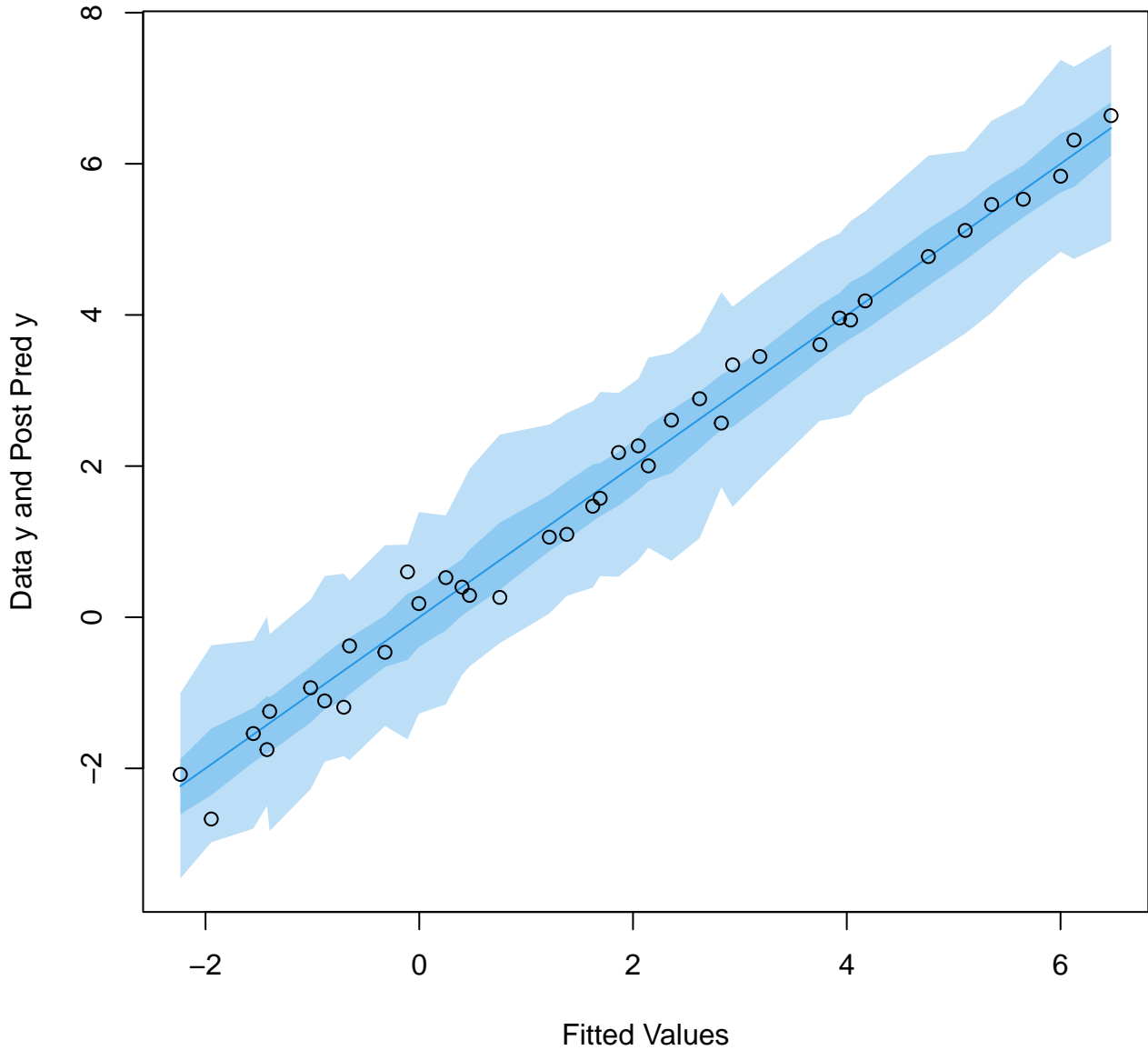


Residuals & PP Residual vs. Data x

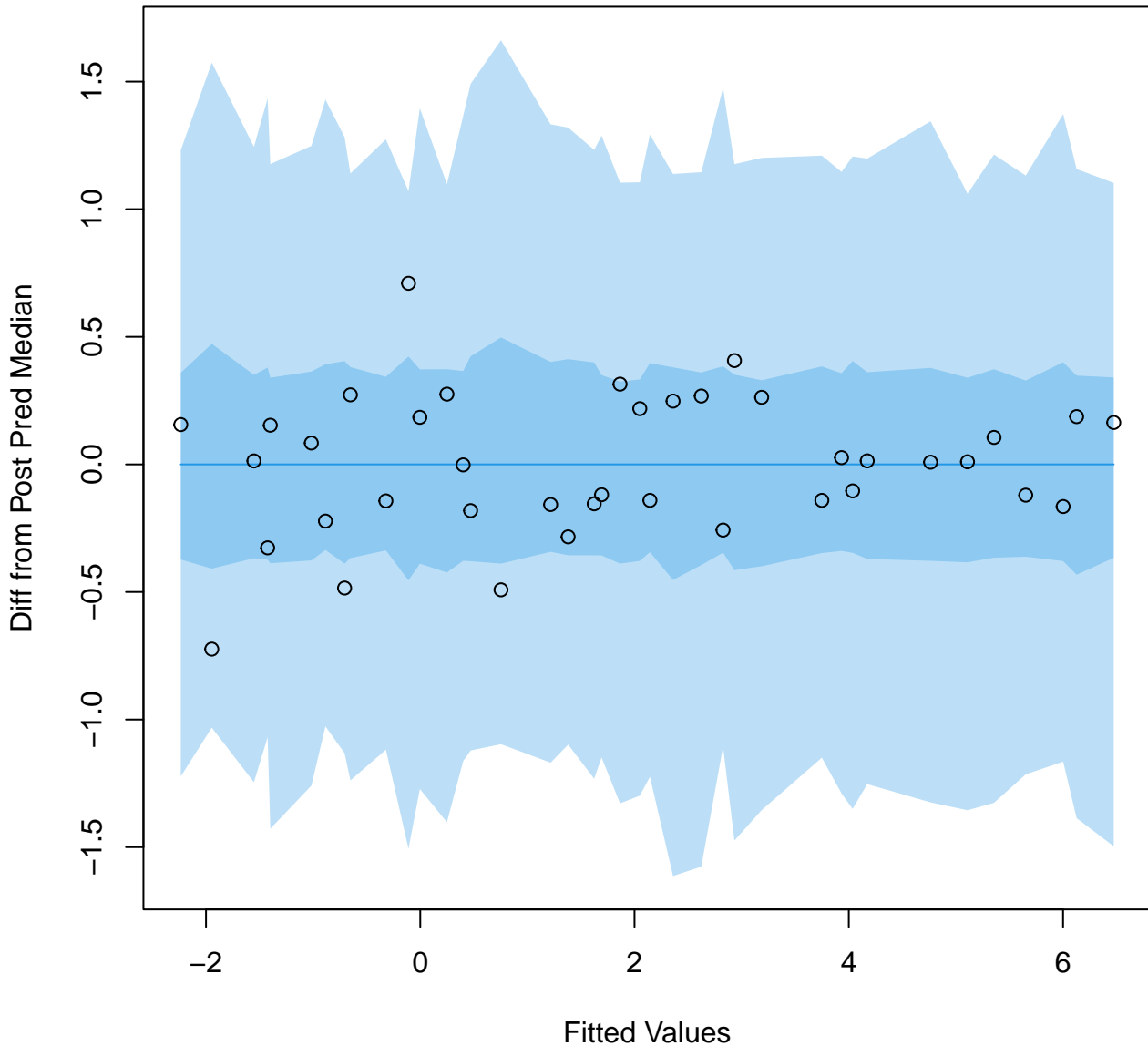


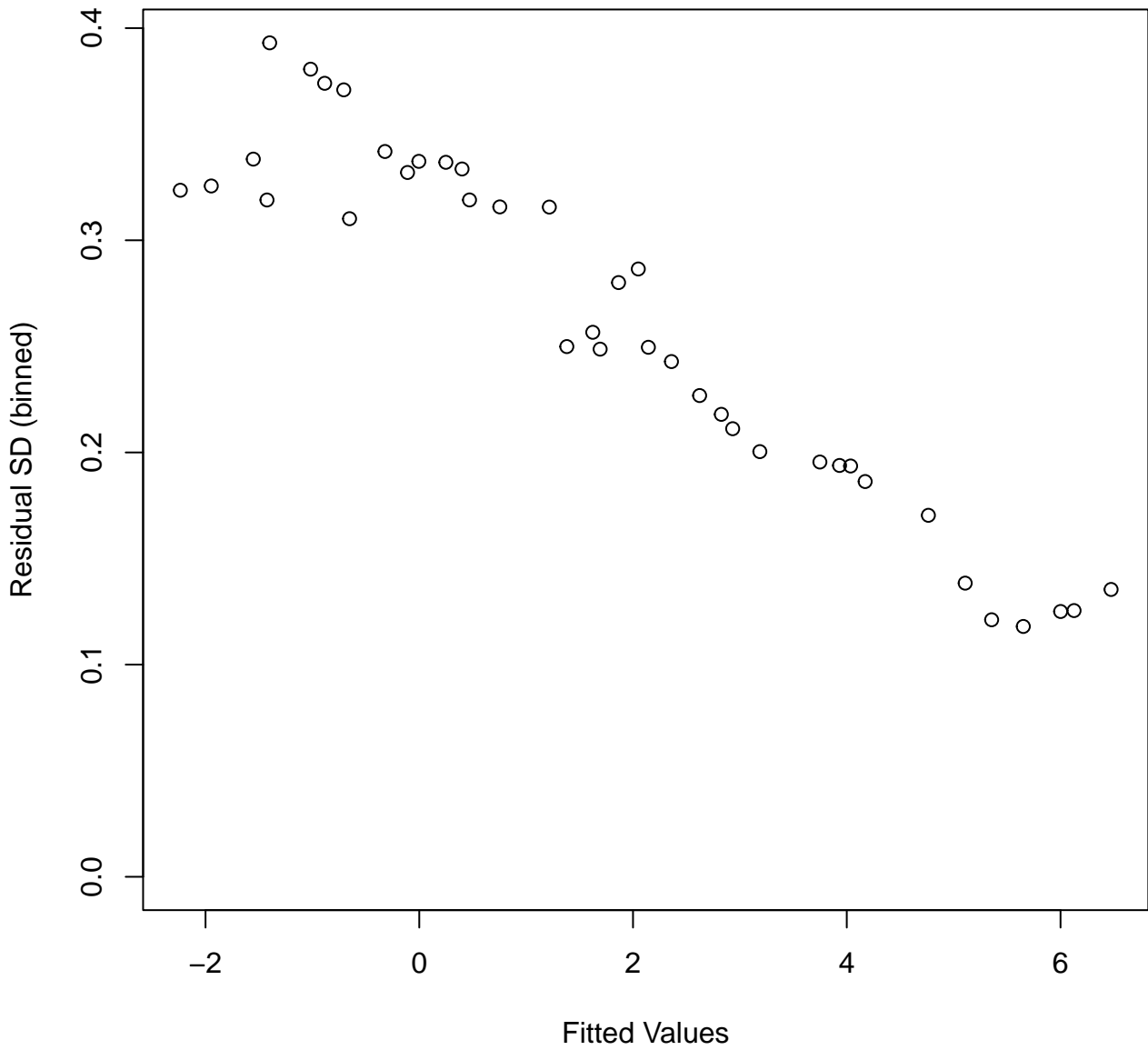


Data y & Post Pred y vs. Fitted Values

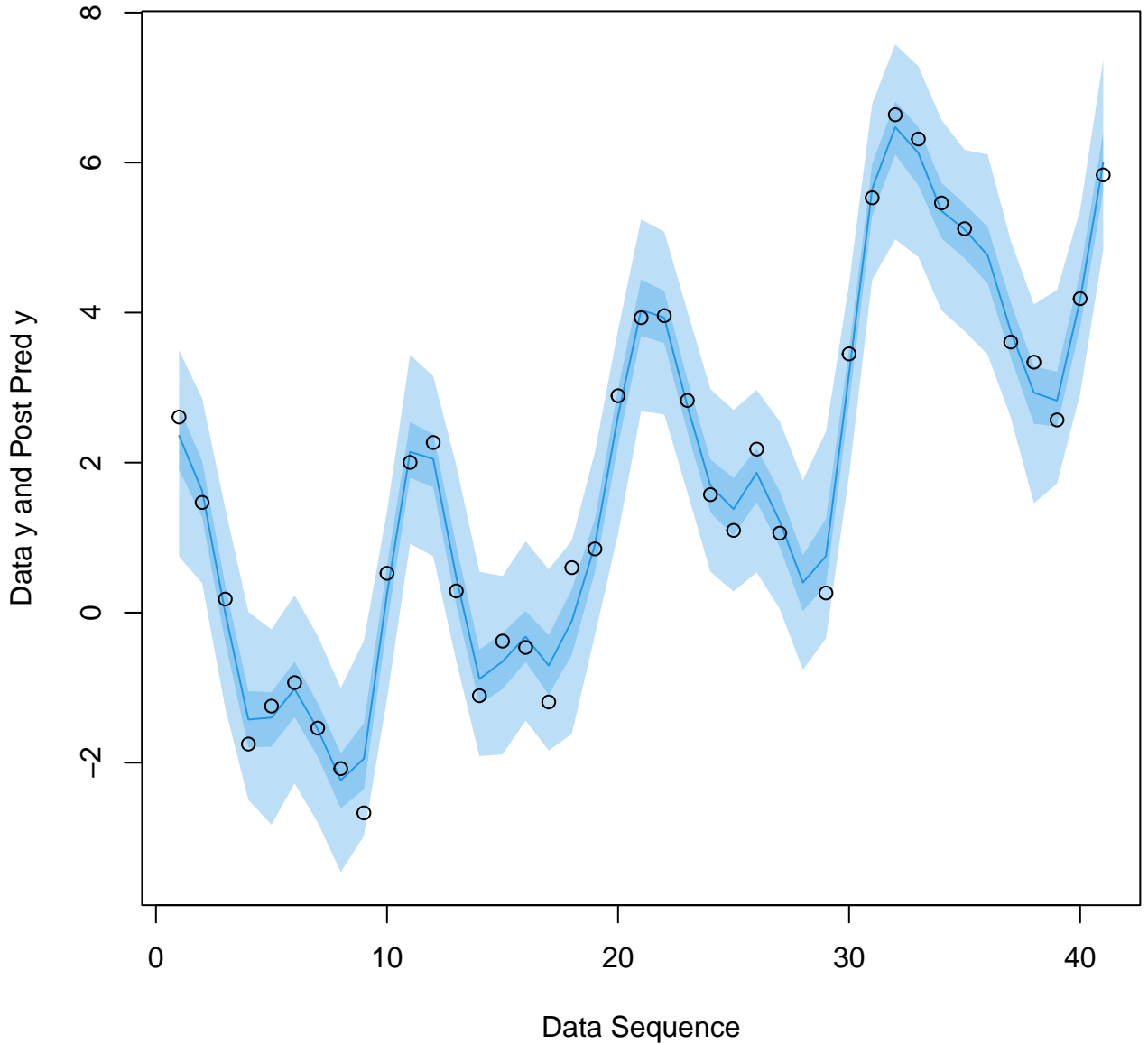


Residuals & PP Residual vs. Fitted Values

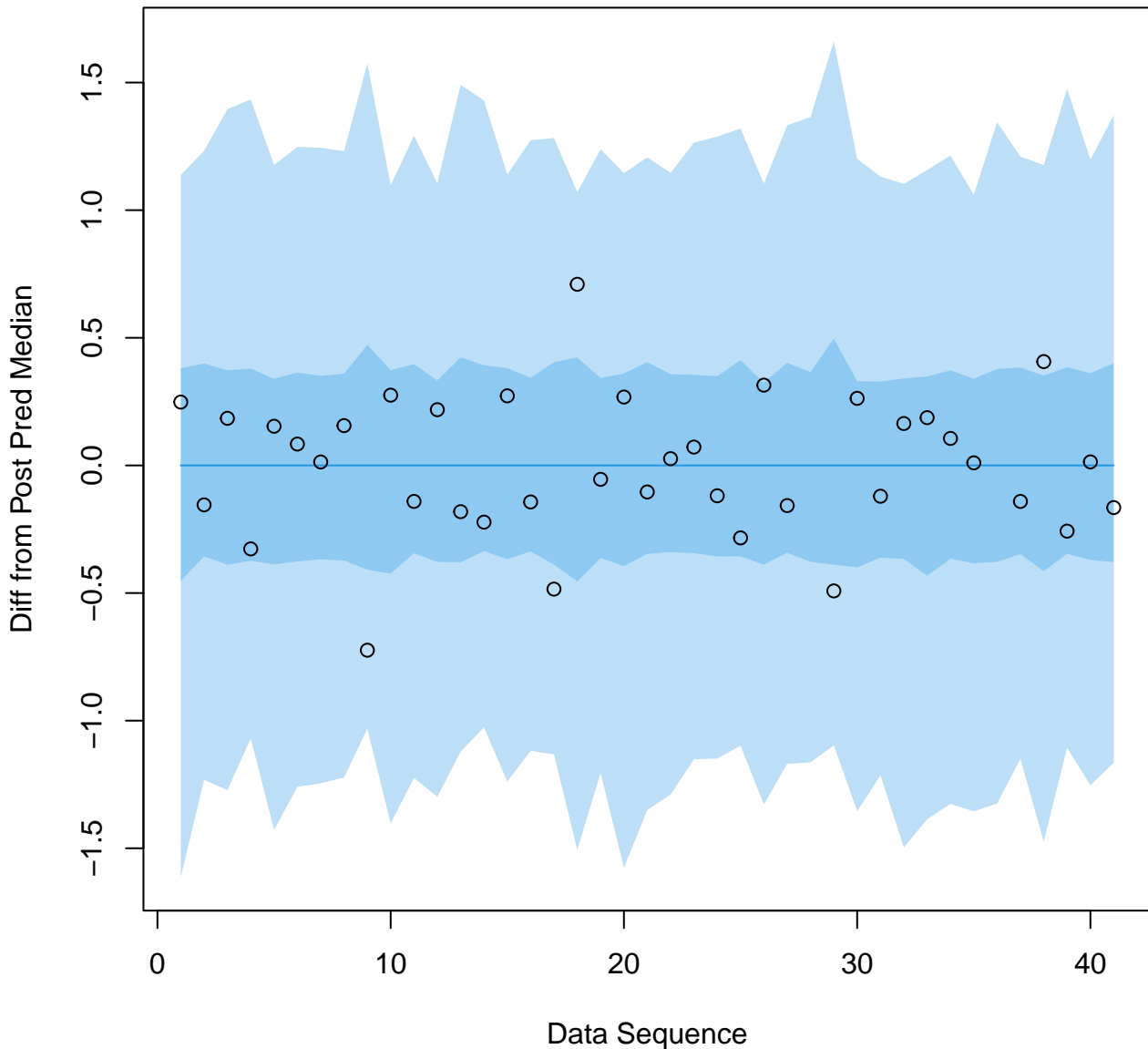


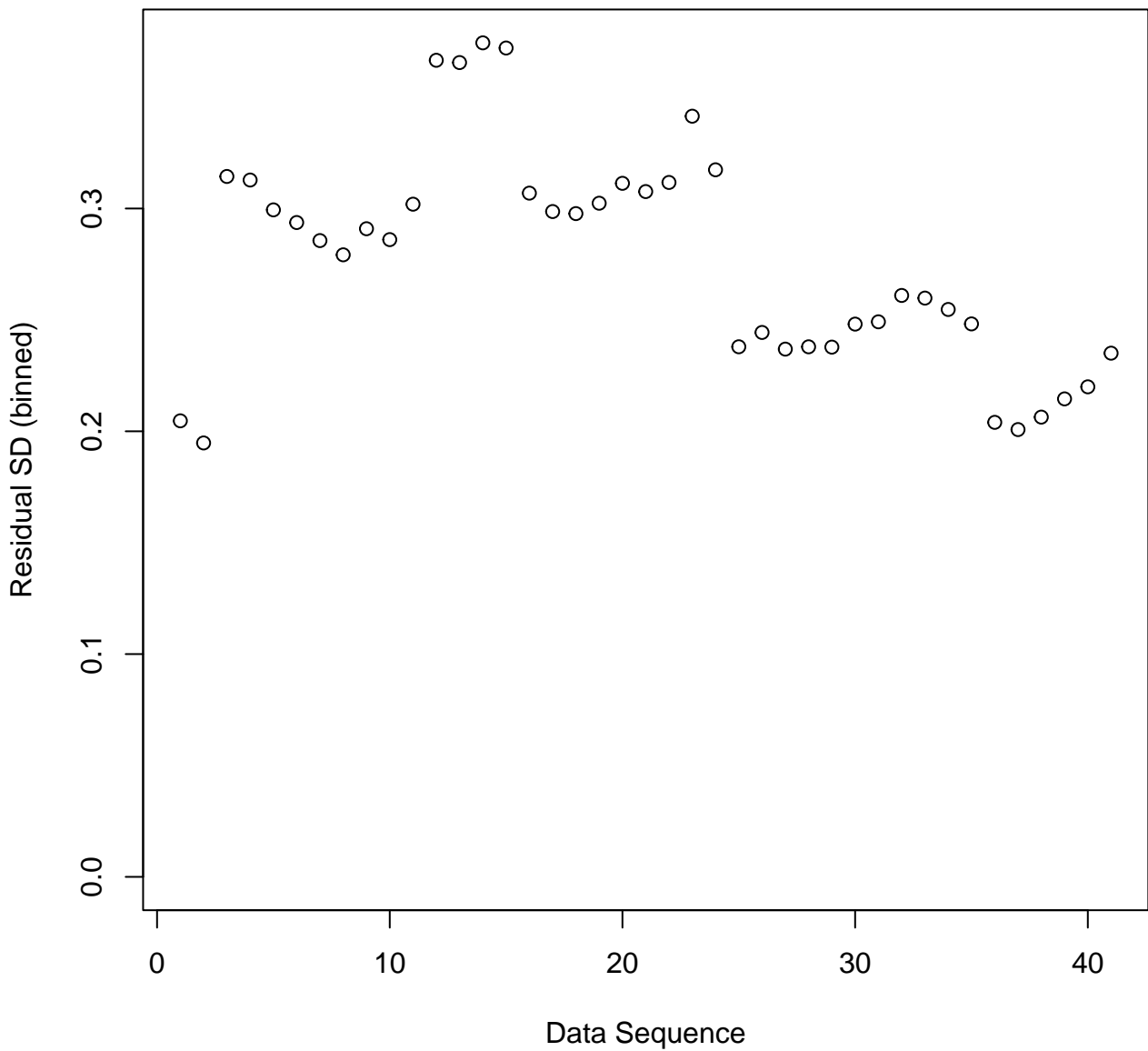


**Data y & Post Pred y
vs. Data Sequence**

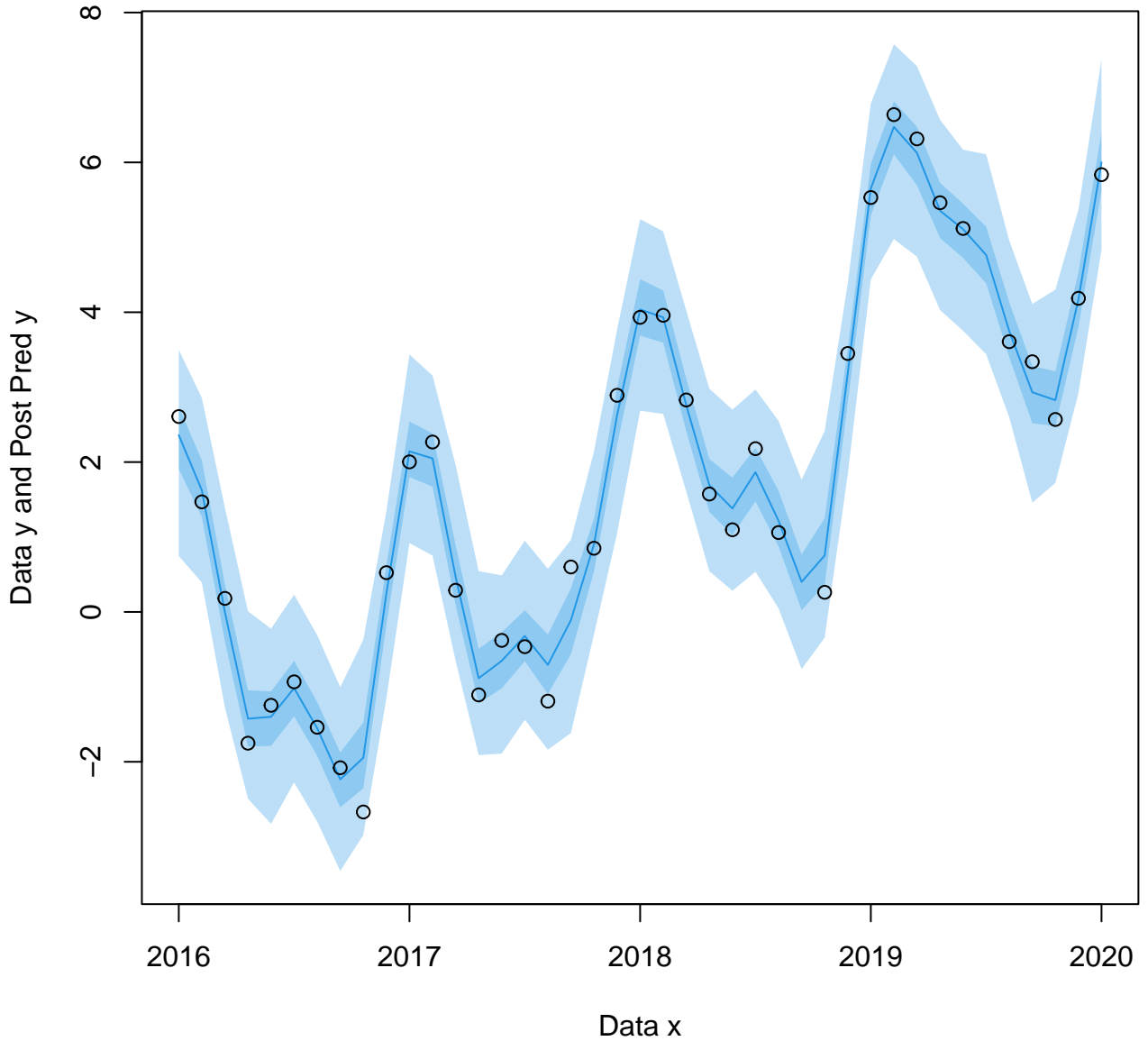


Residuals & PP Residual vs. Data Sequence

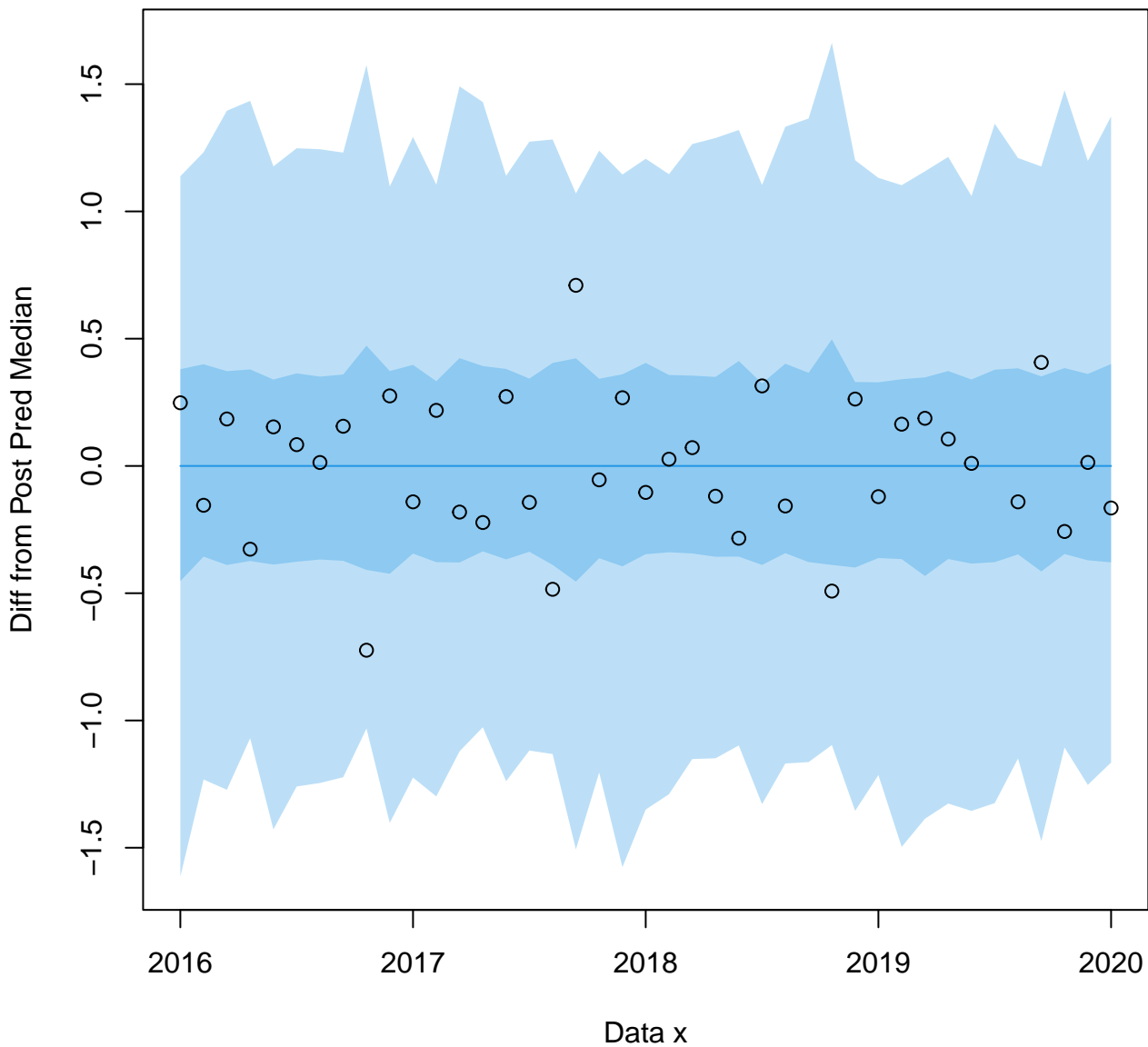


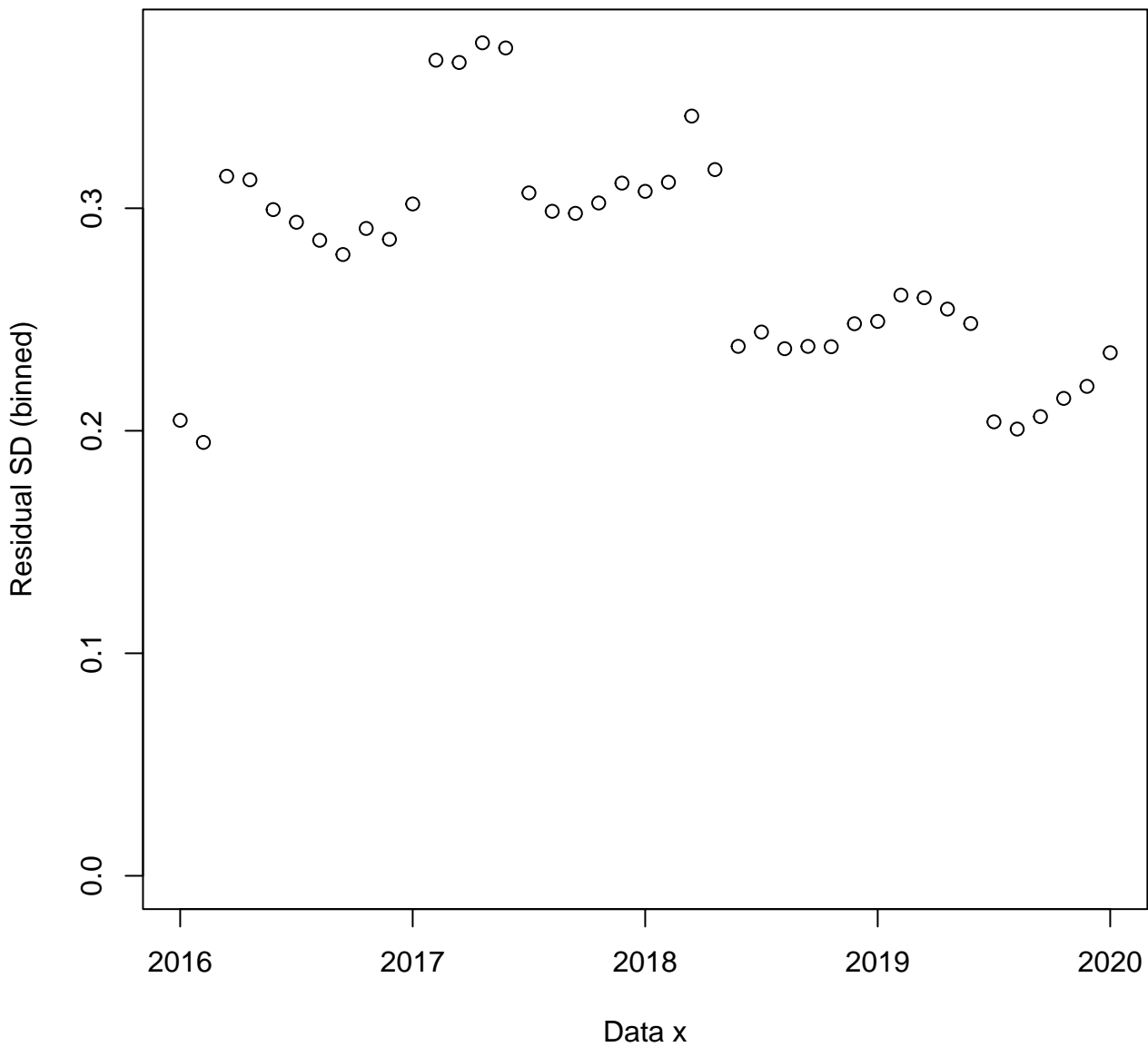


Data y & Post Pred y vs. Data x

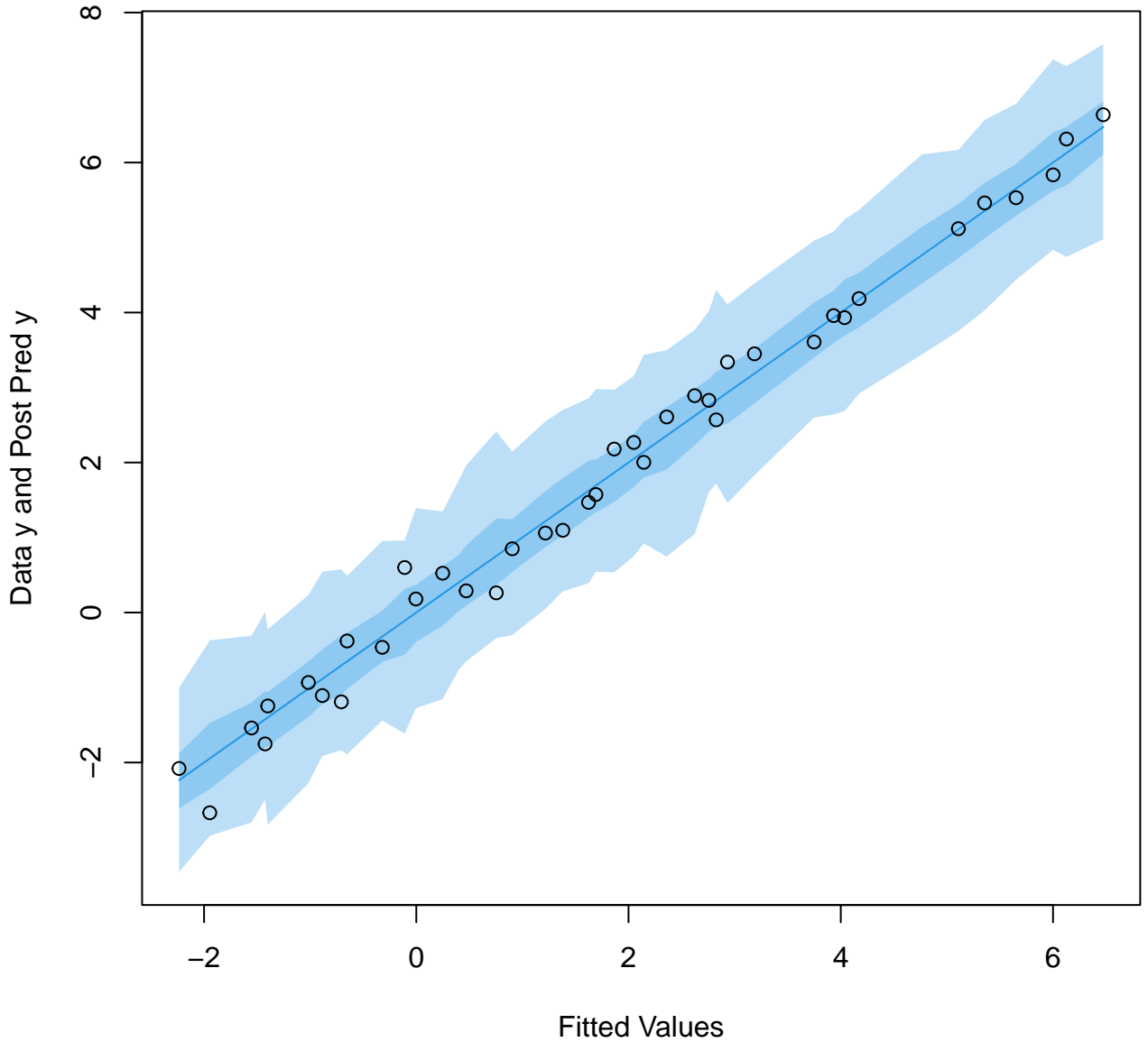


Residuals & PP Residual vs. Data x

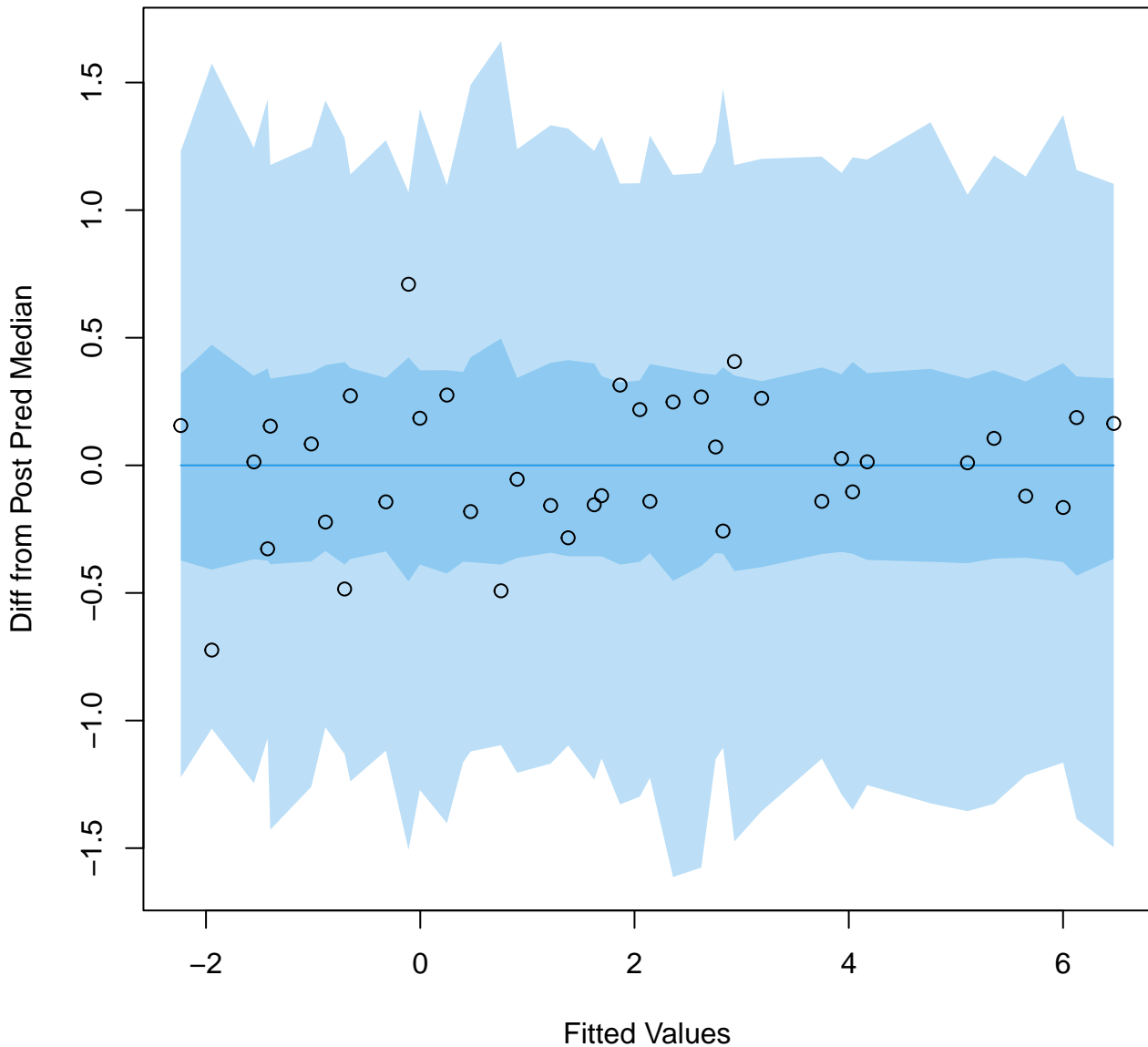


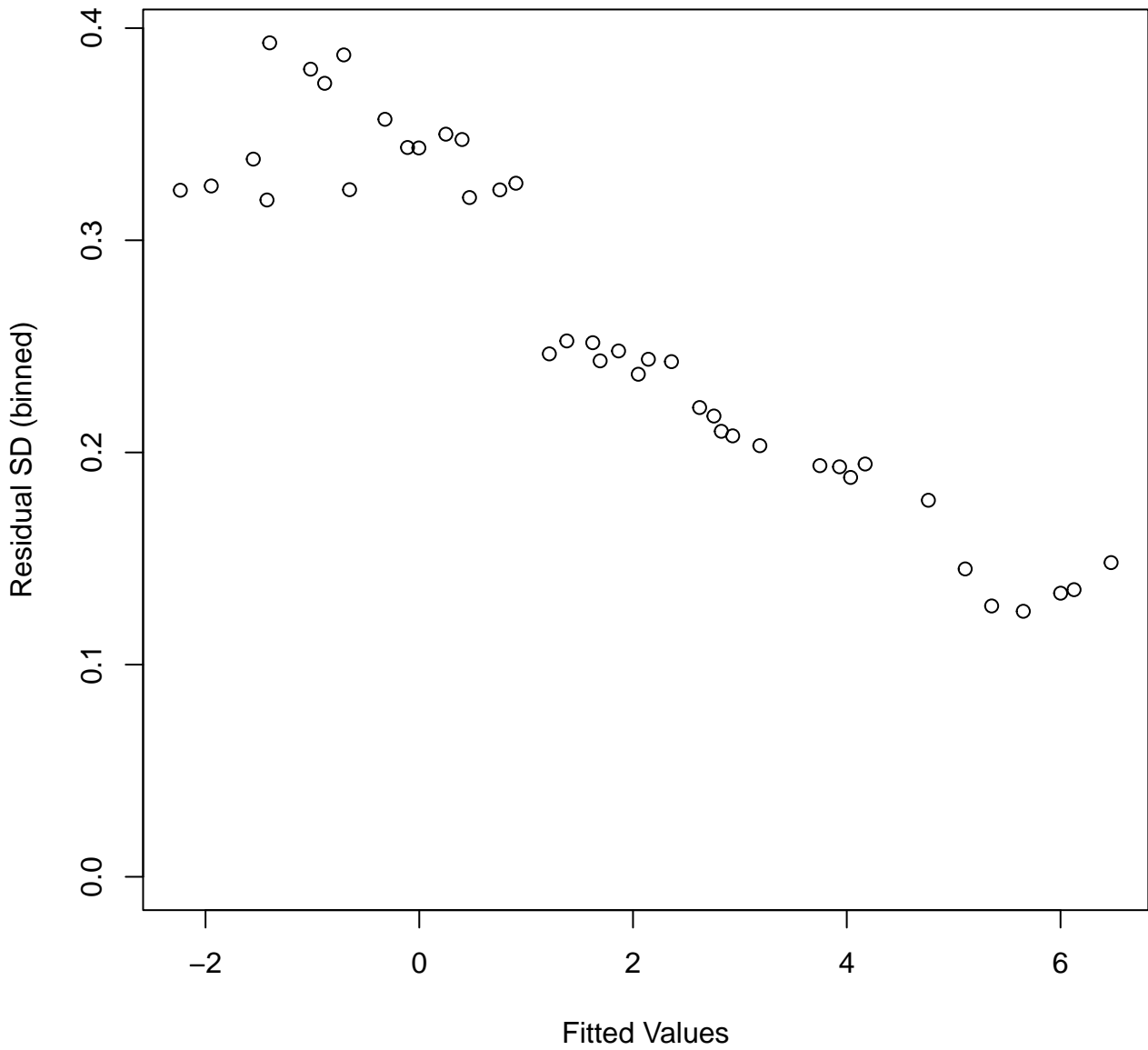


Data y & Post Pred y vs. Fitted Values

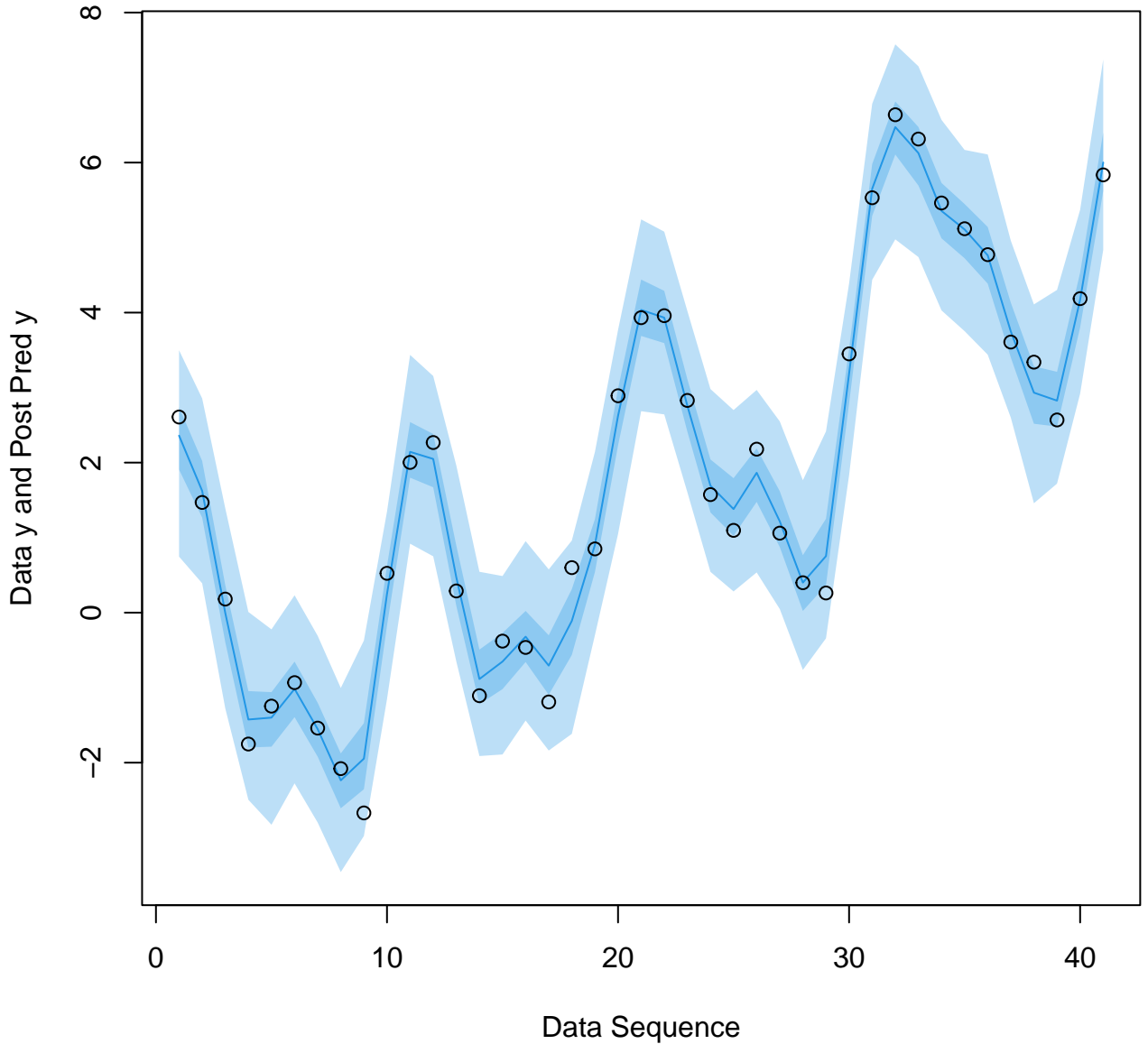


Residuals & PP Residual vs. Fitted Values

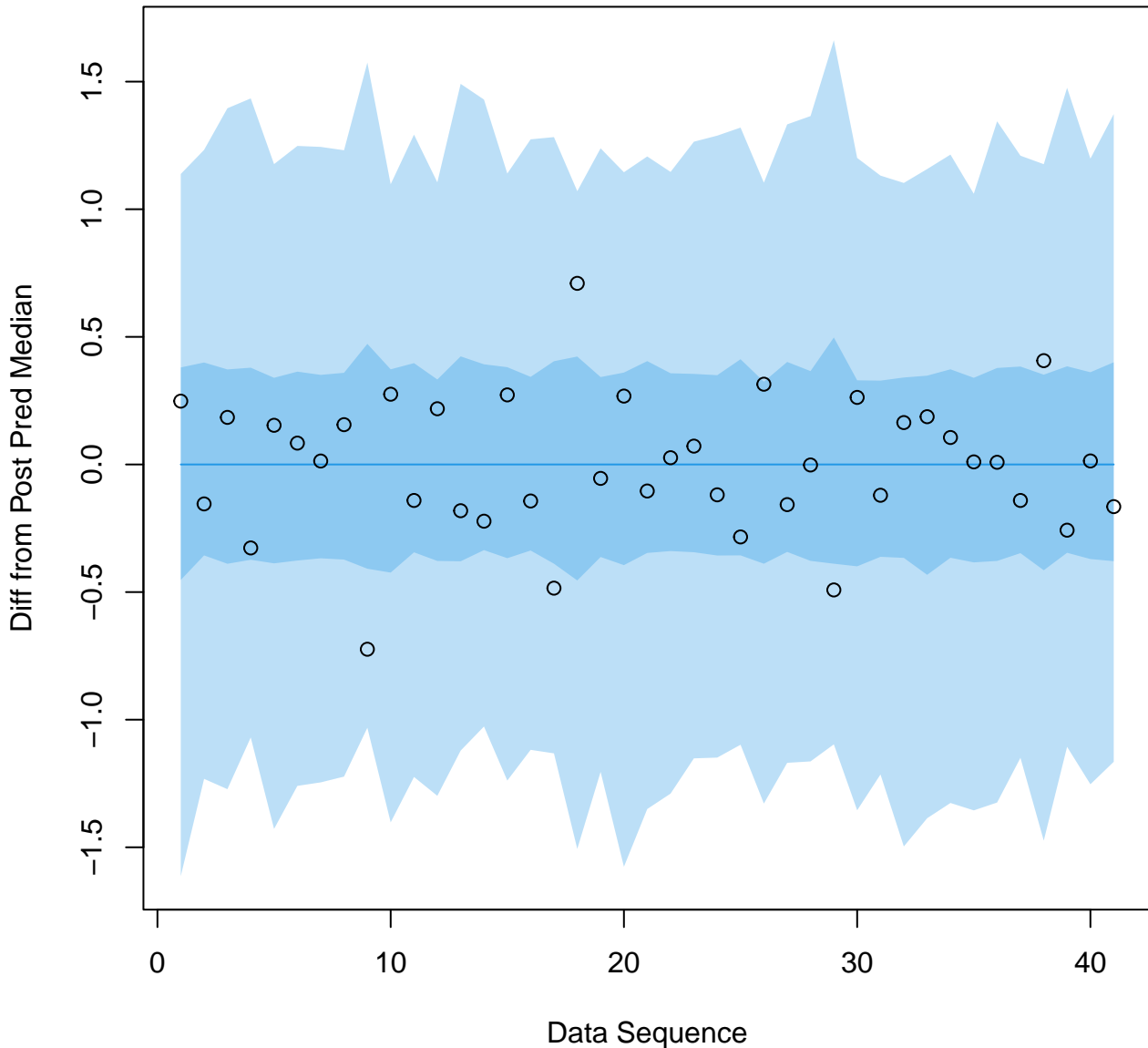


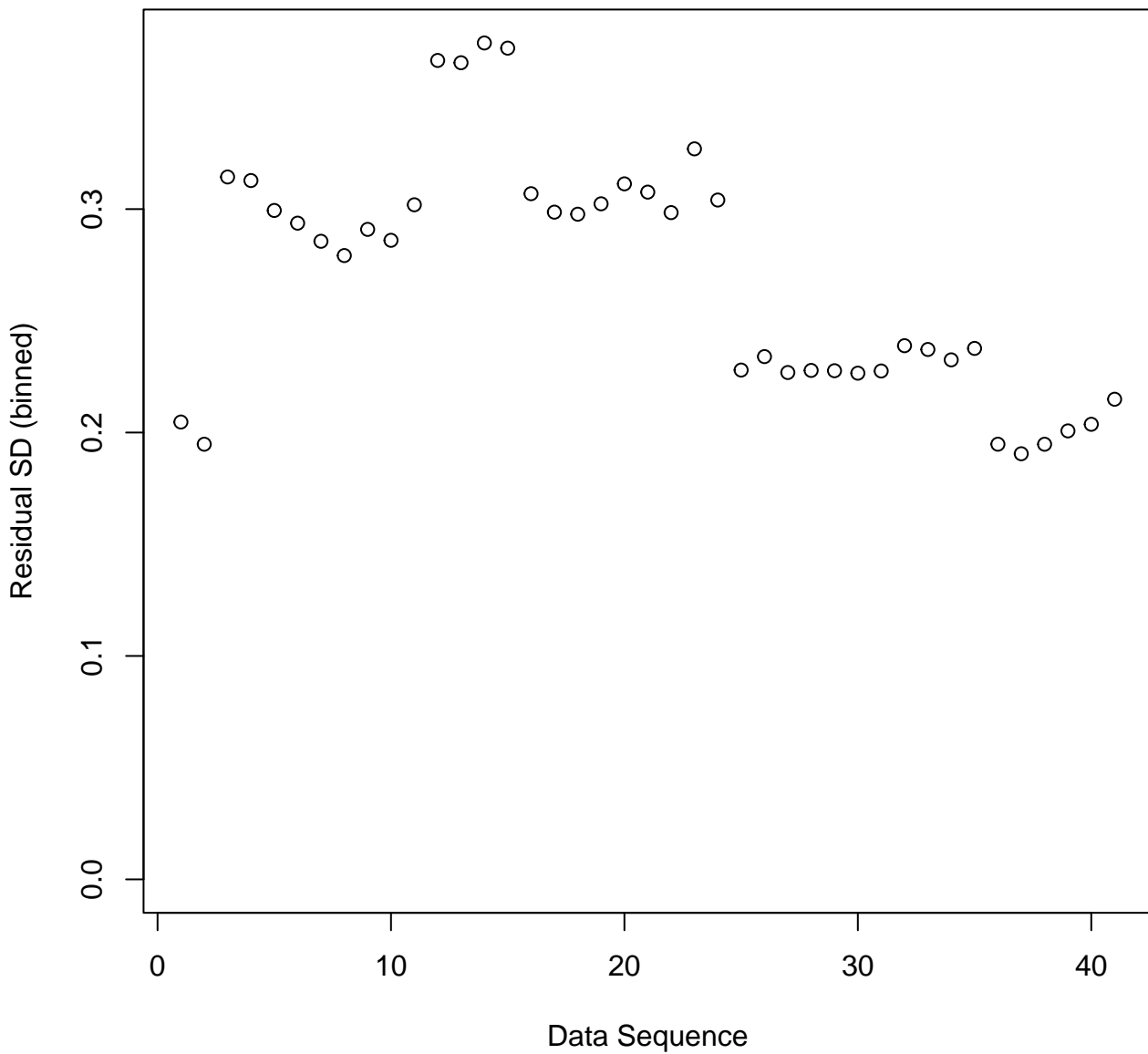


**Data y & Post Pred y
vs. Data Sequence**

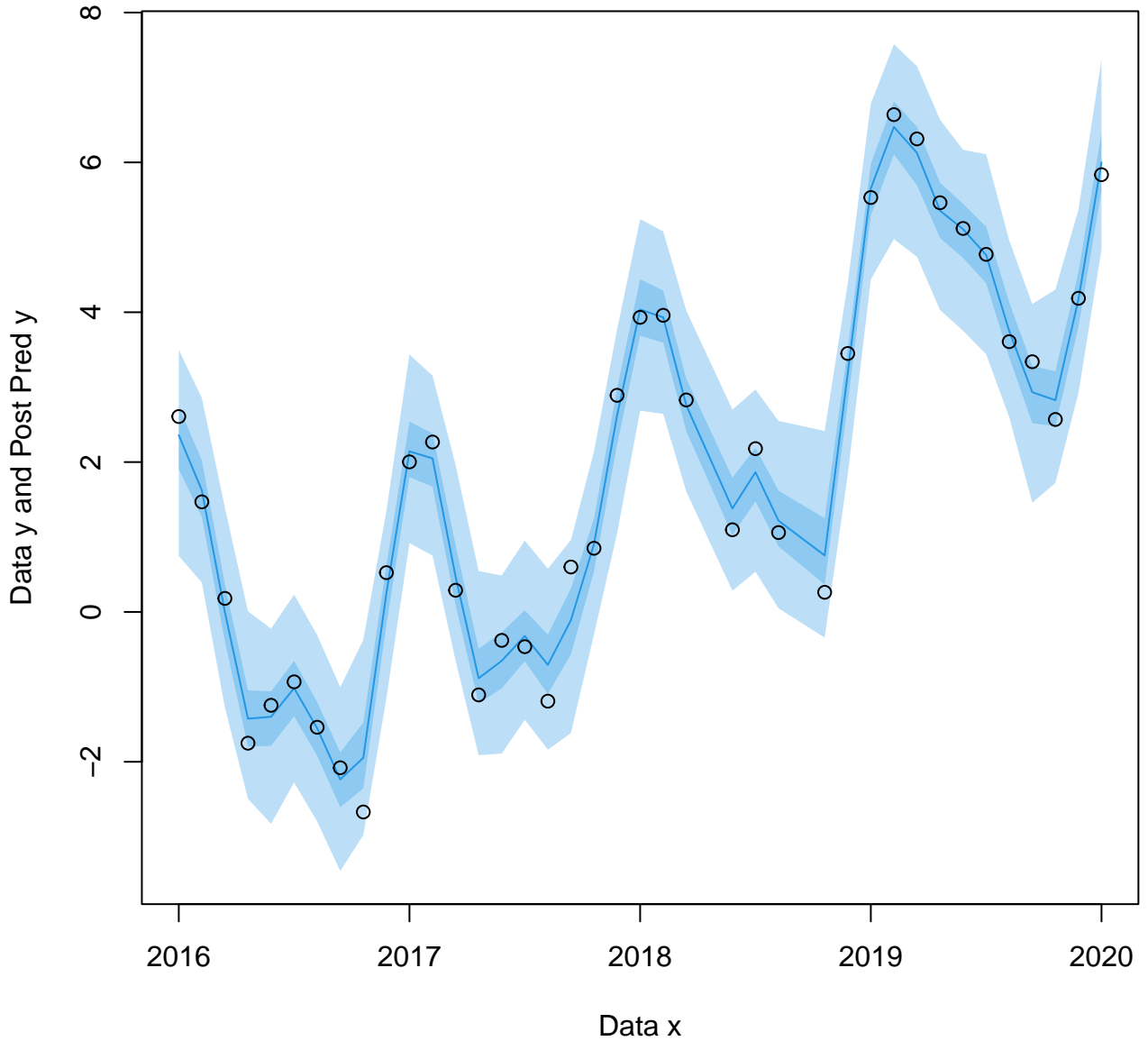


Residuals & PP Residual vs. Data Sequence

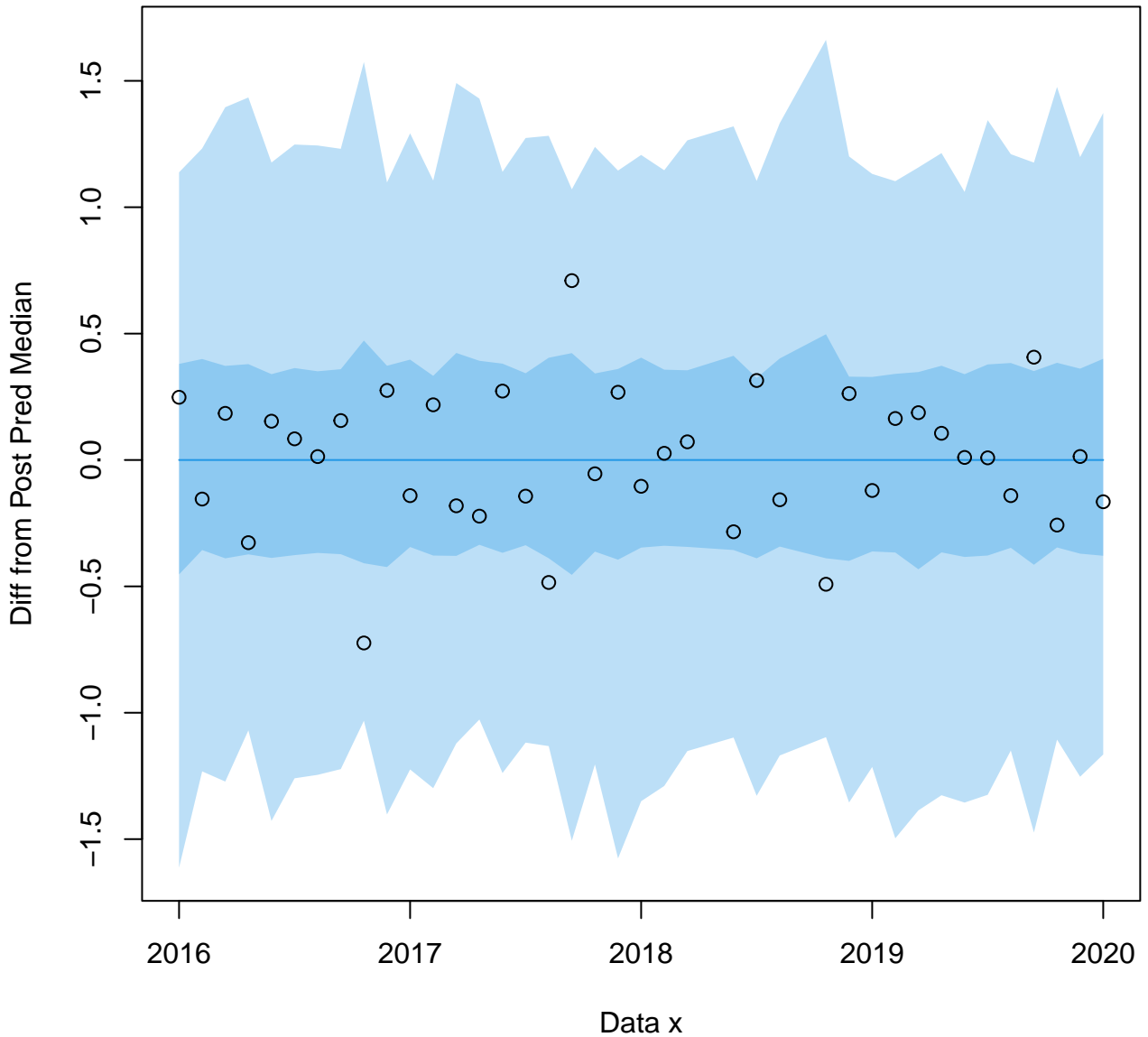


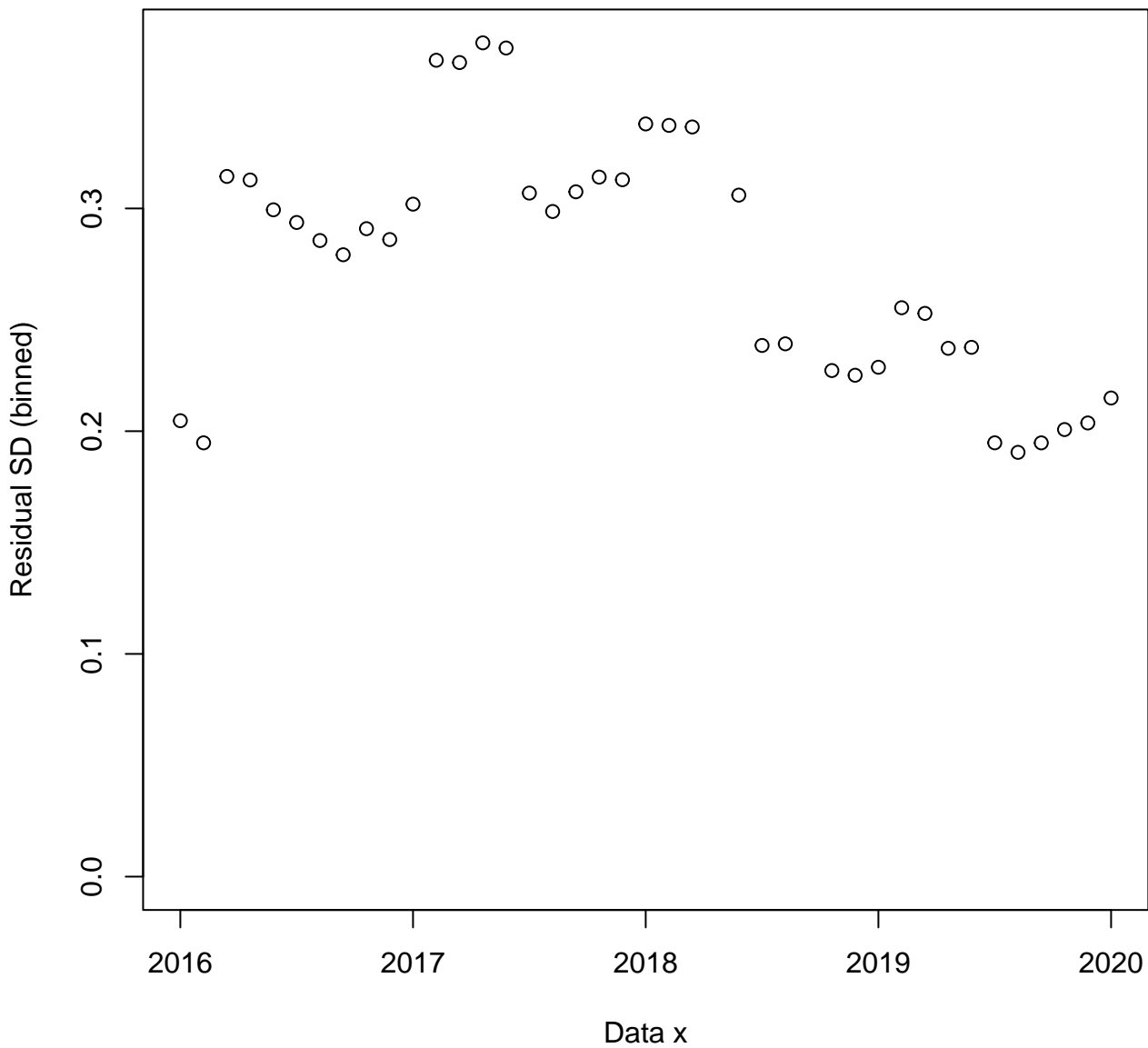


Data y & Post Pred y vs. Data x

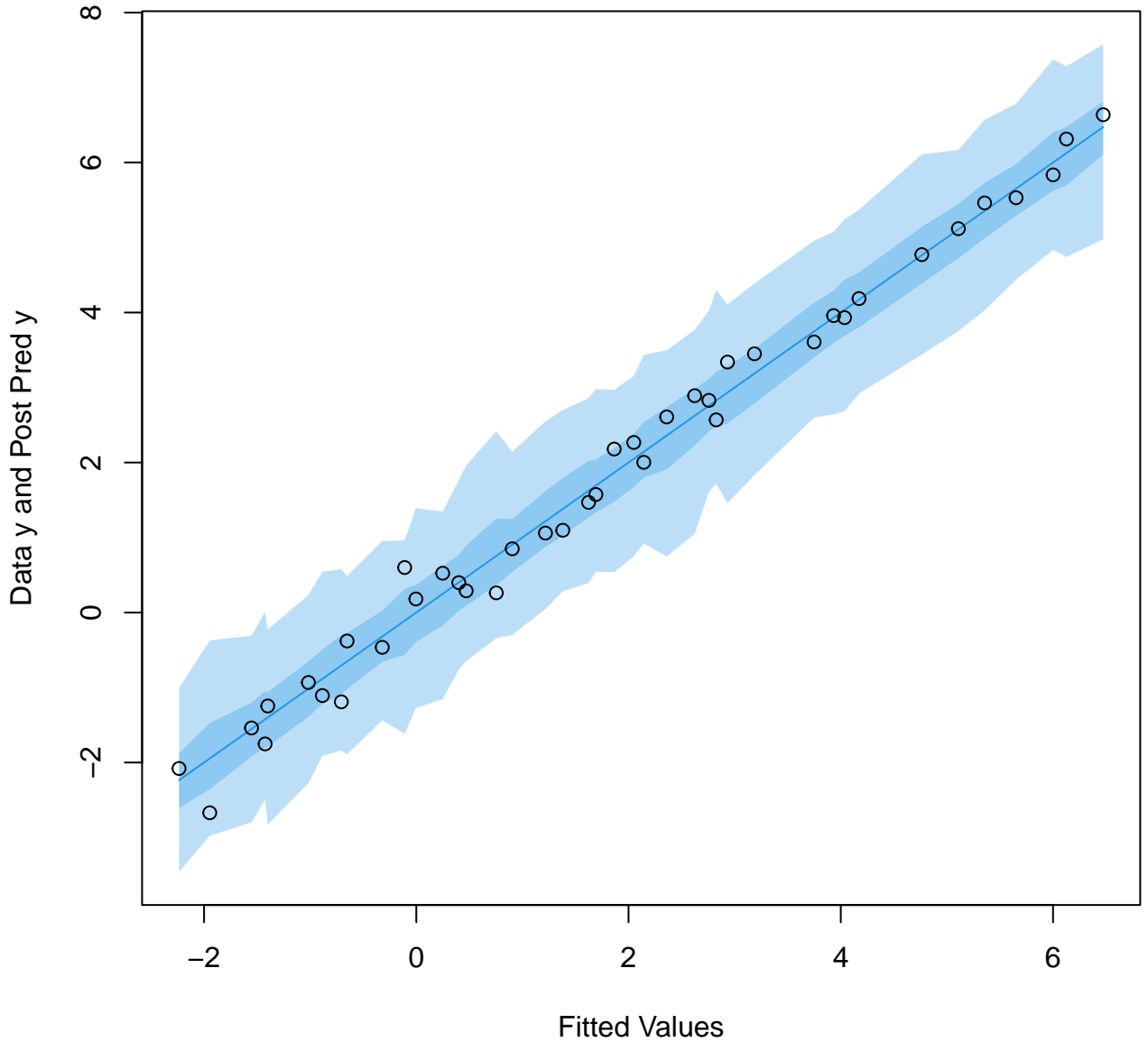


Residuals & PP Residual vs. Data x

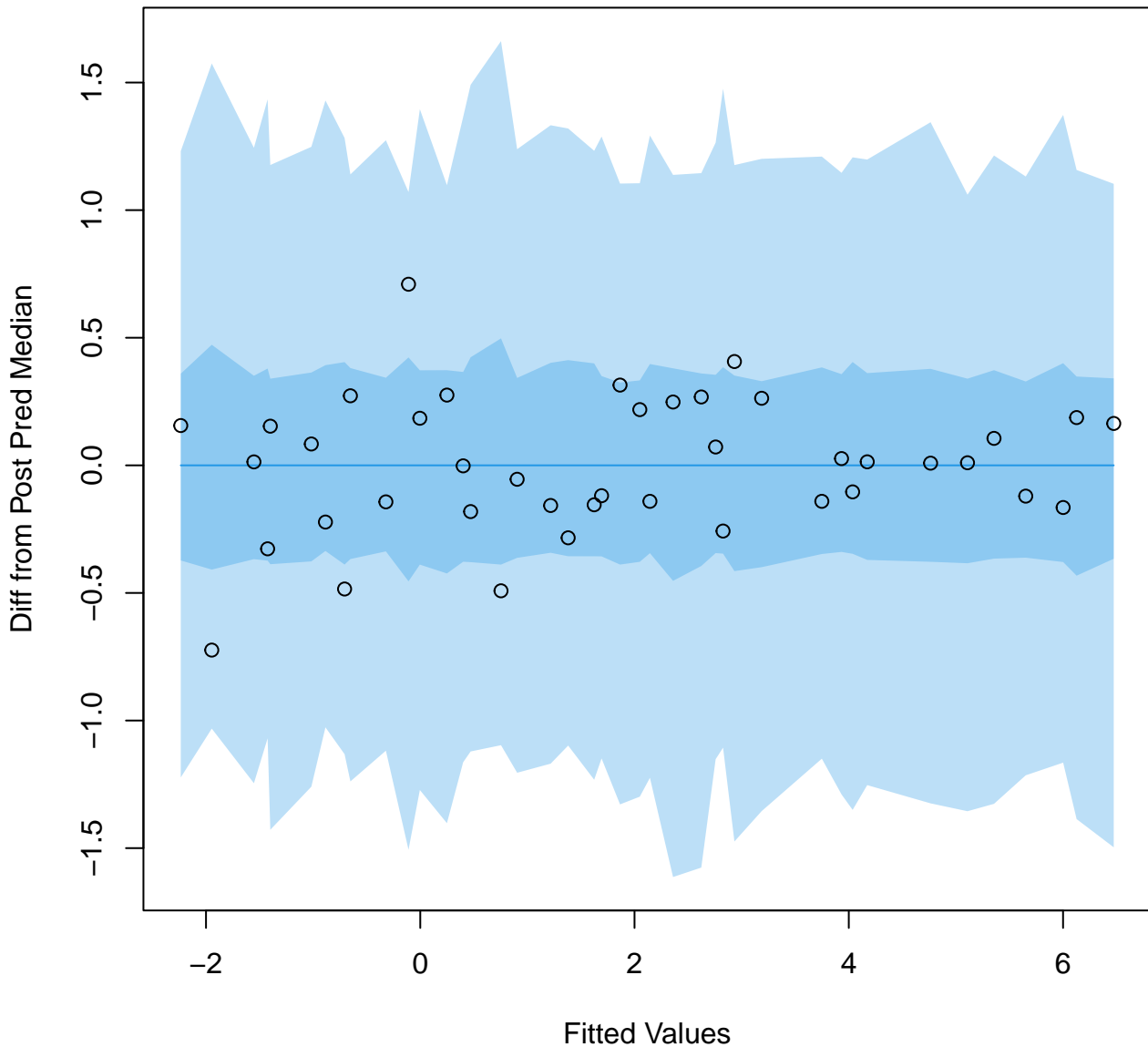


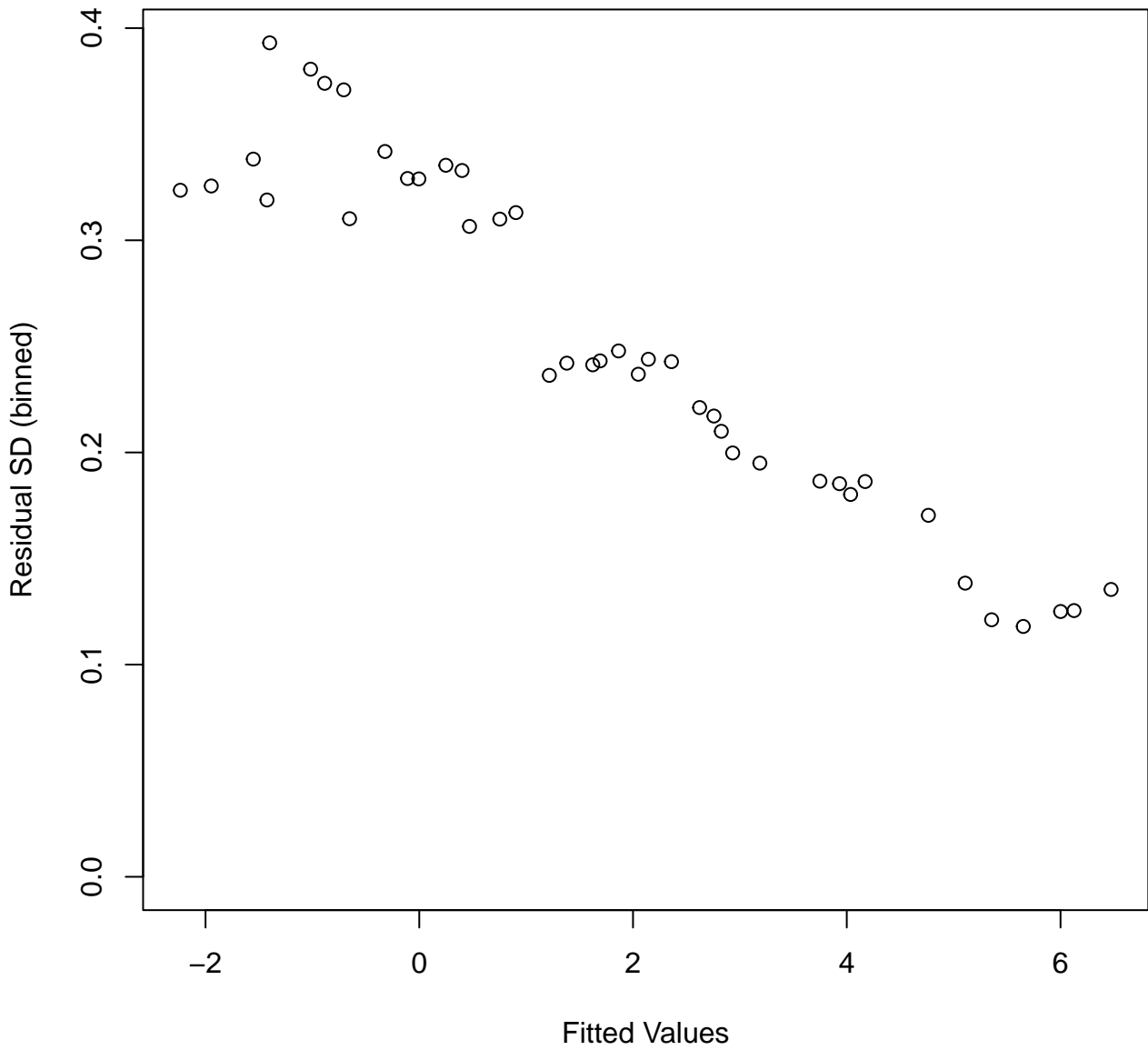


Data y & Post Pred y vs. Fitted Values

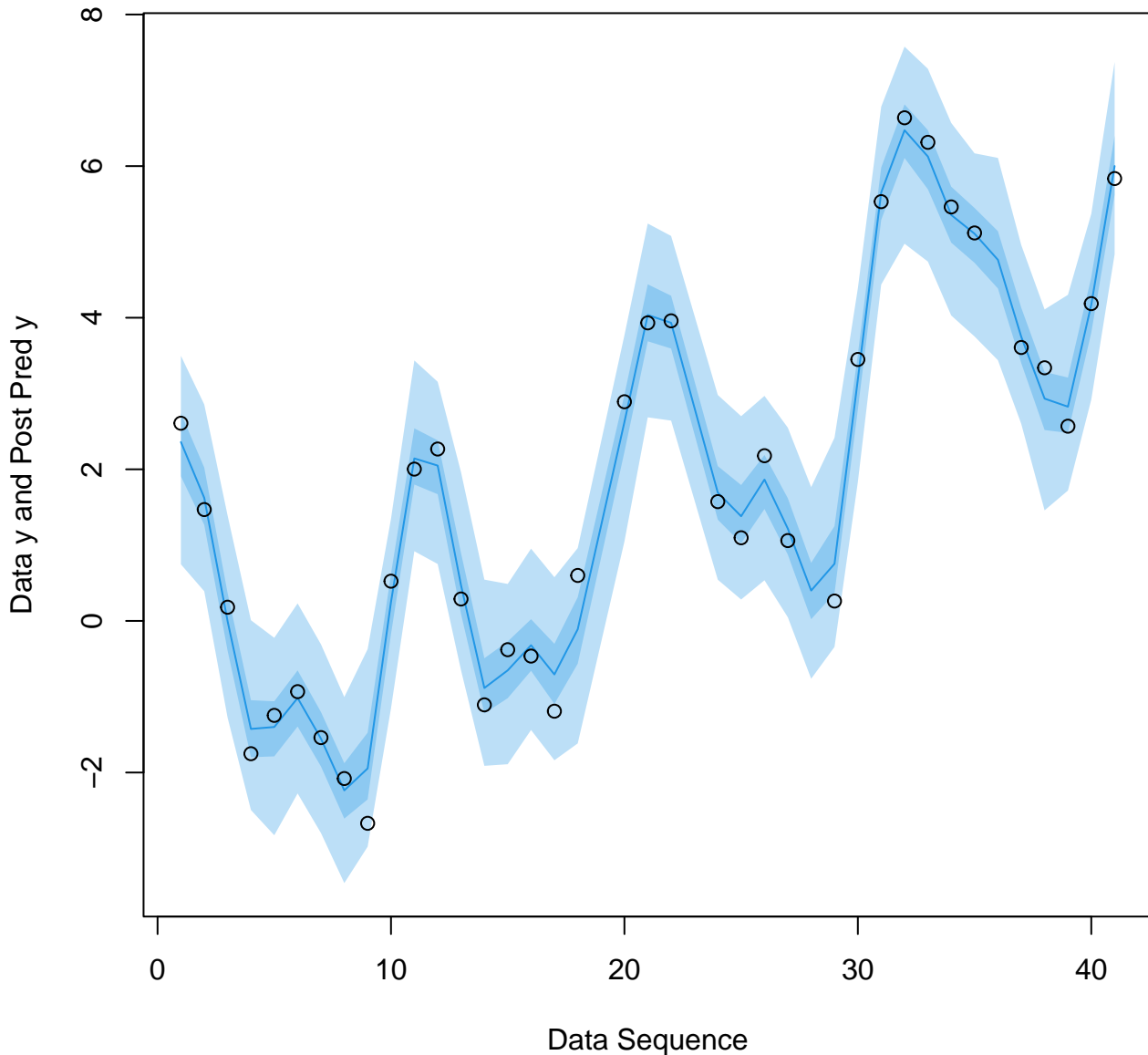


Residuals & PP Residual vs. Fitted Values

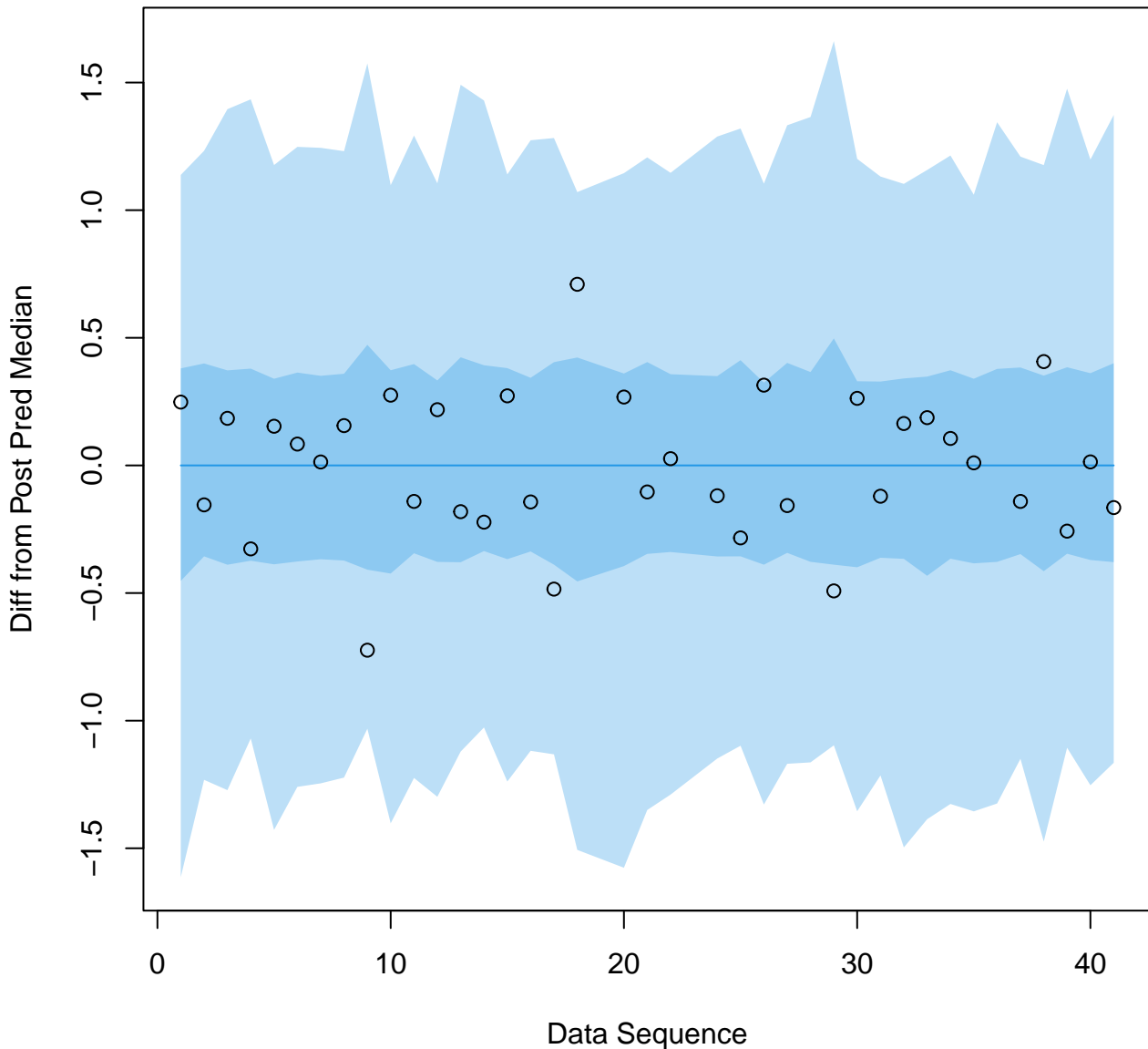


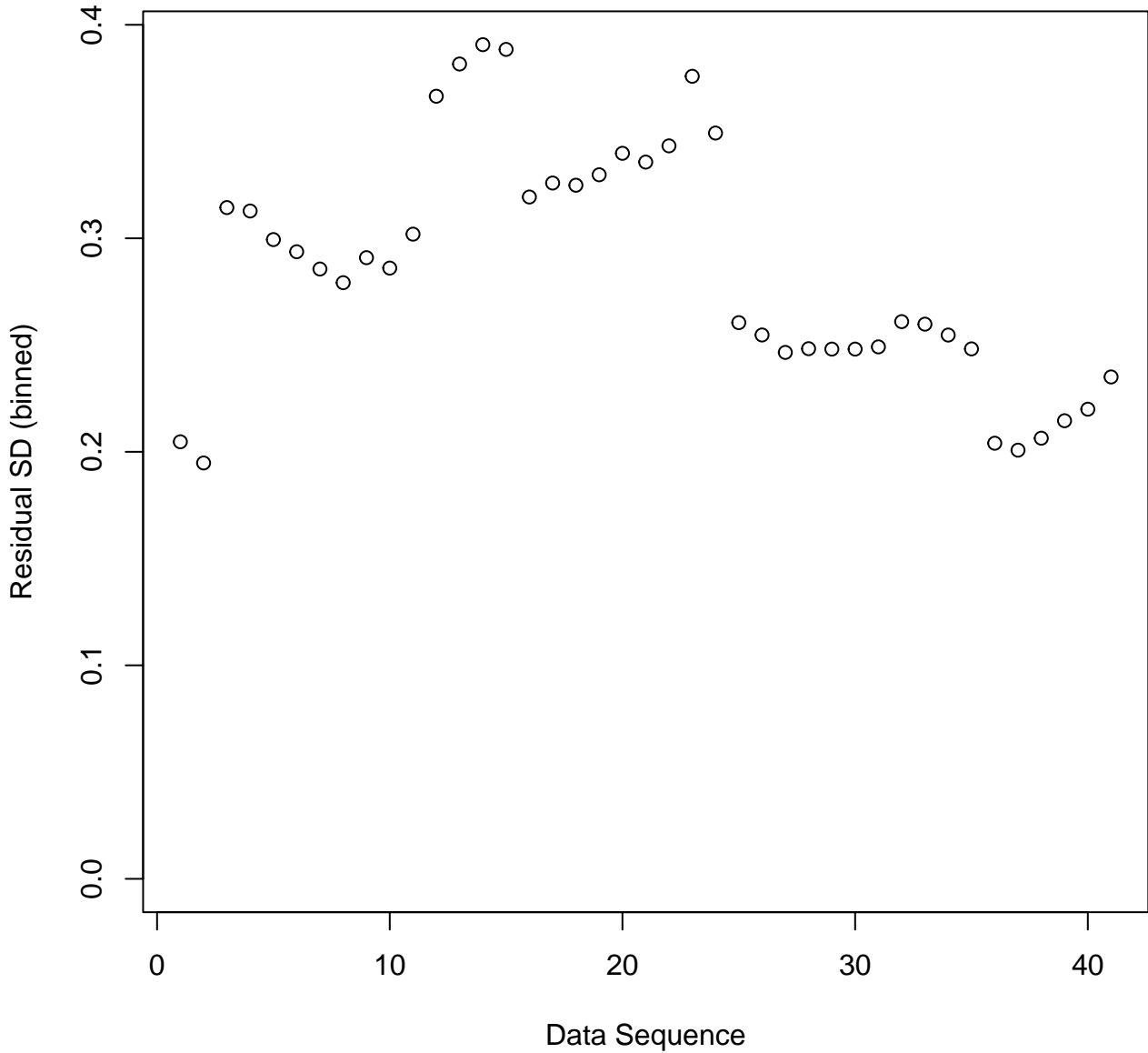


**Data y & Post Pred y
vs. Data Sequence**

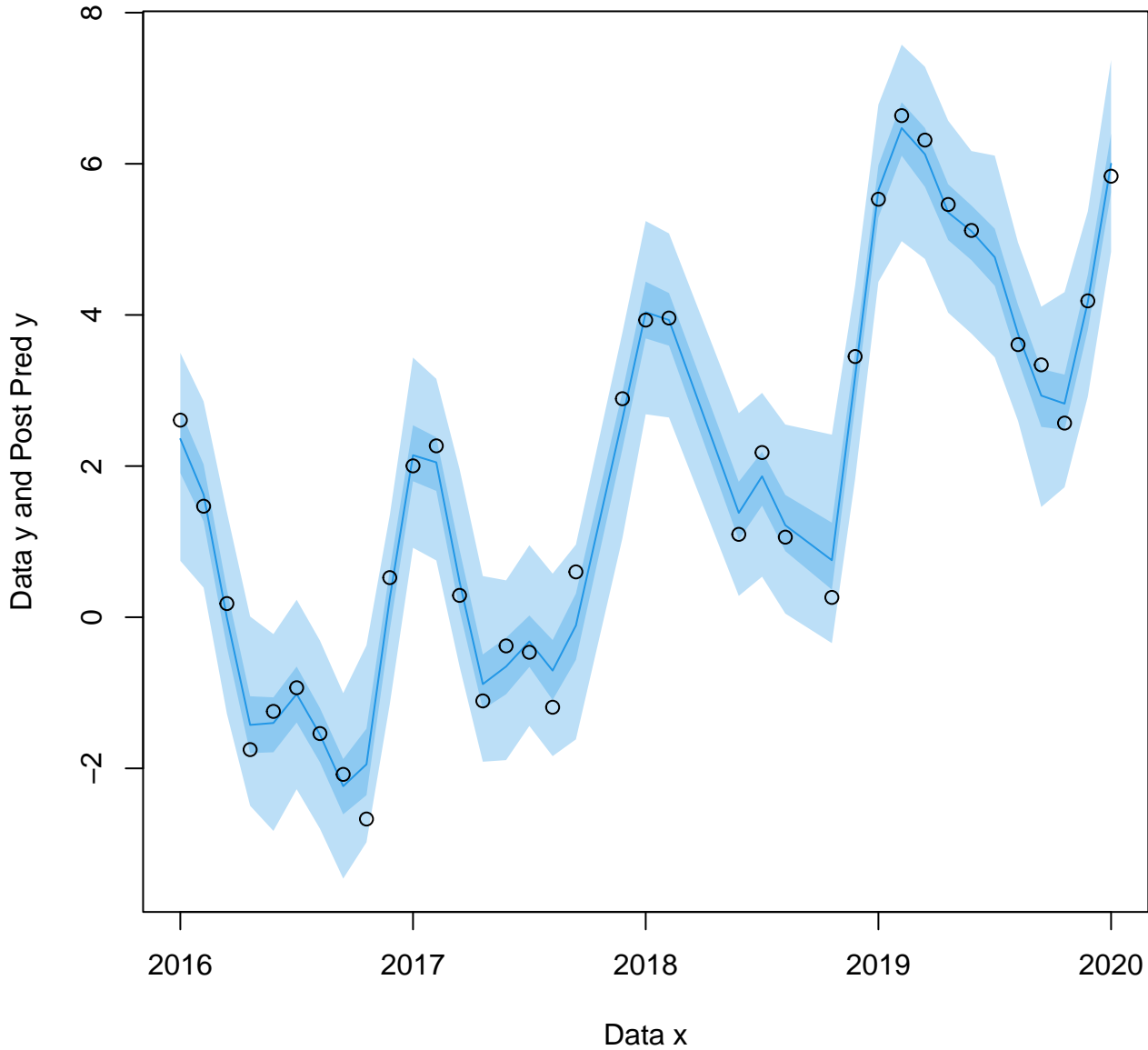


Residuals & PP Residual vs. Data Sequence

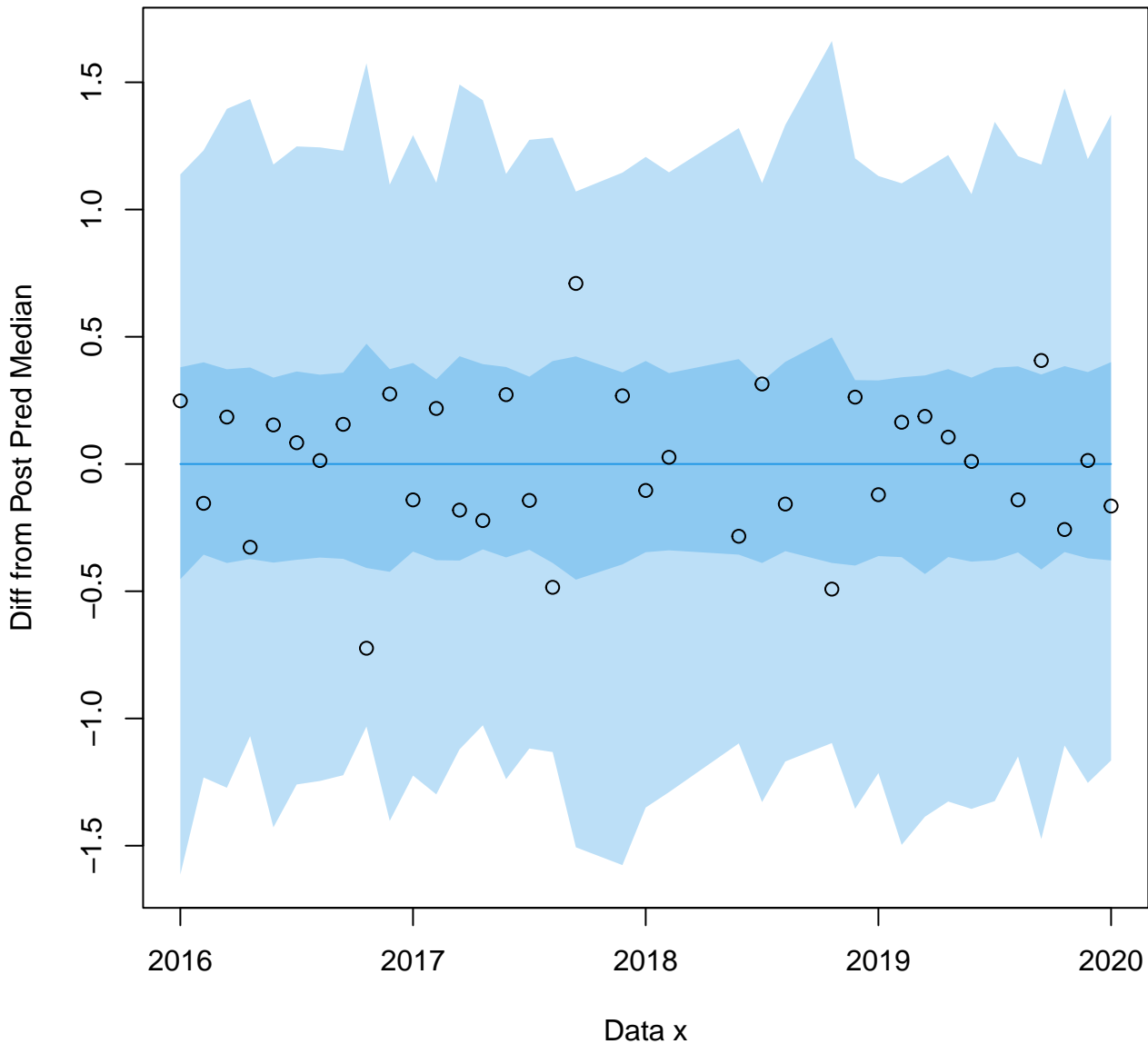


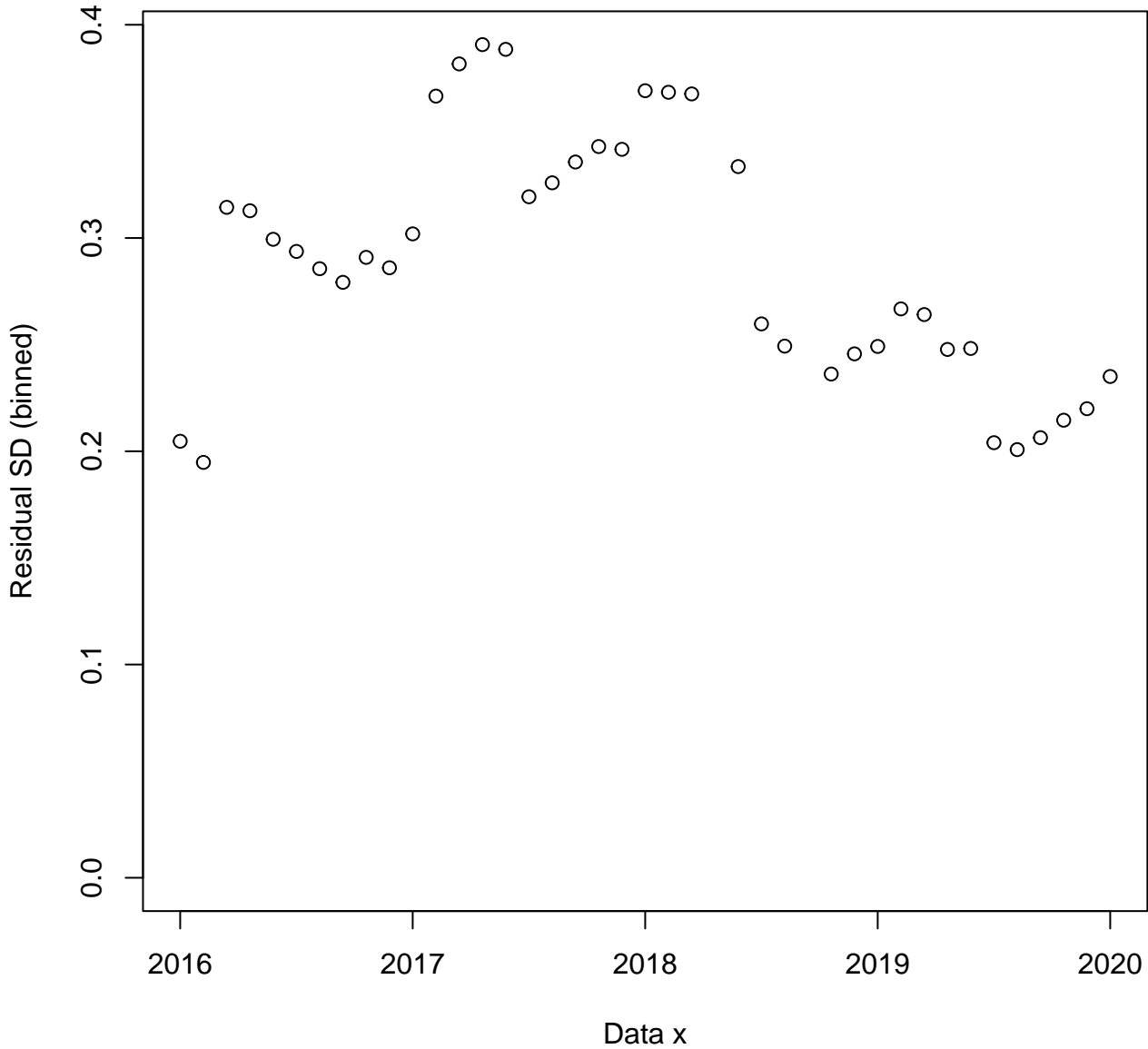


Data y & Post Pred y vs. Data x

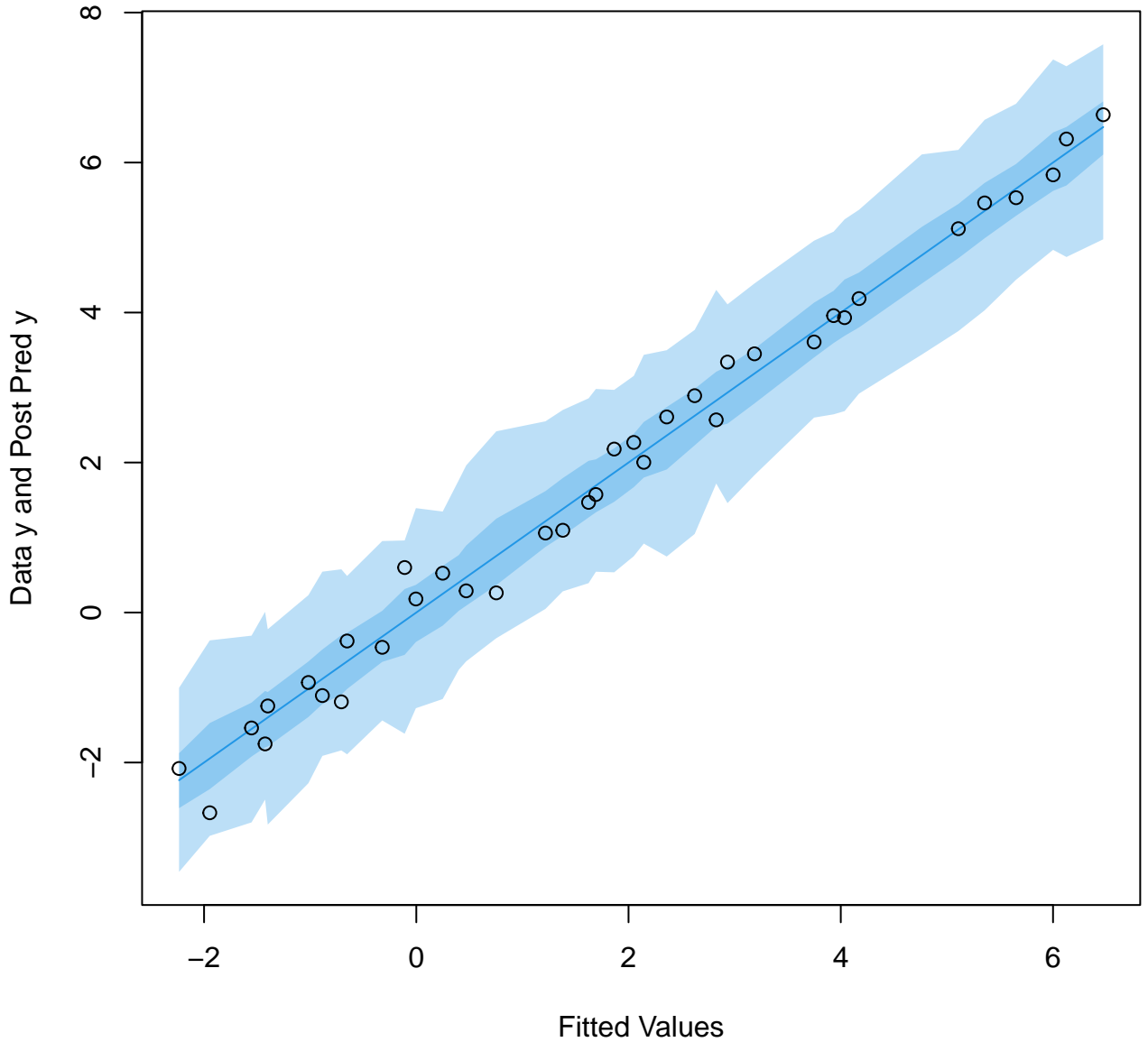


Residuals & PP Residual vs. Data x





Data y & Post Pred y vs. Fitted Values



Residuals & PP Residual vs. Fitted Values

