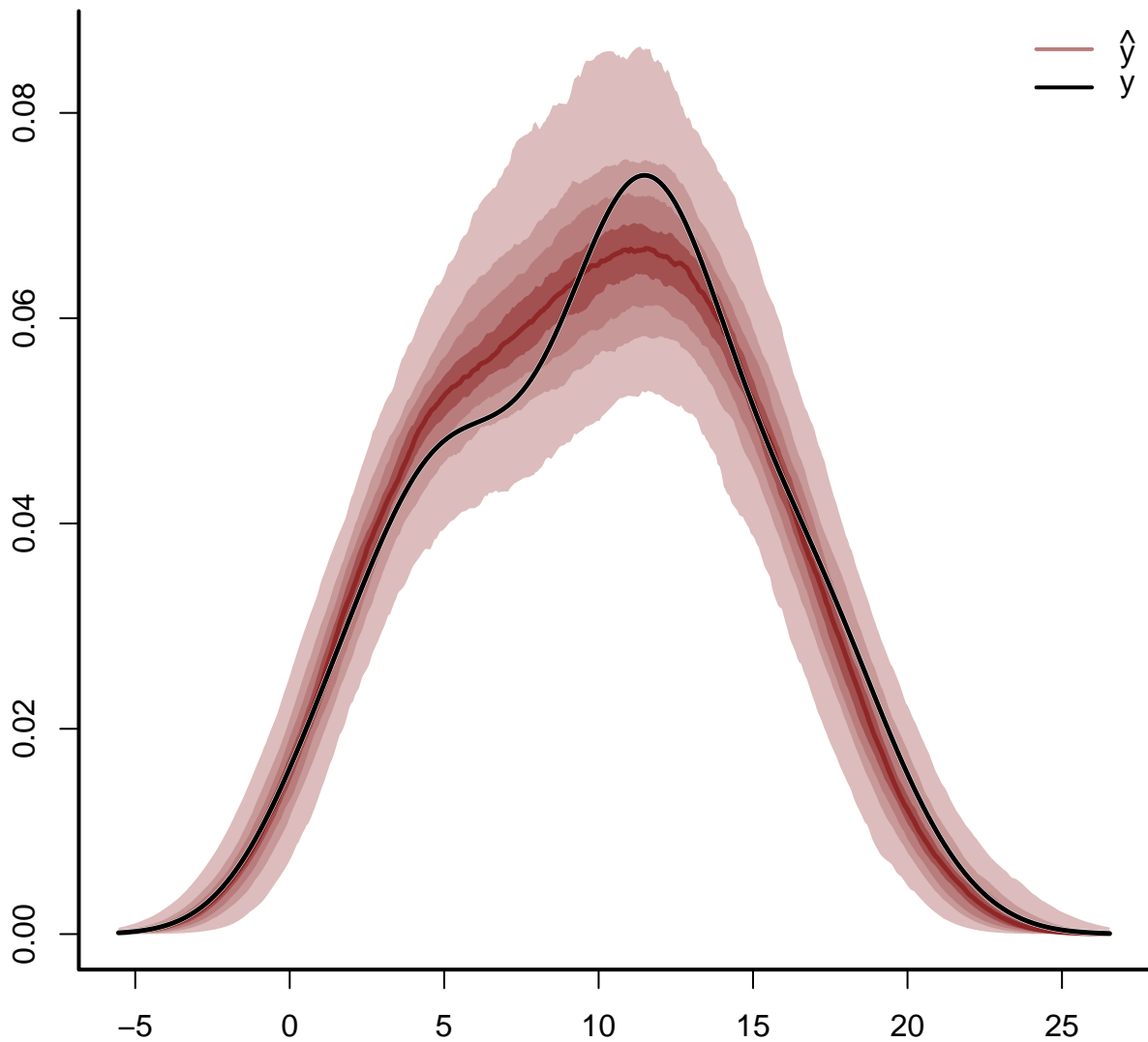
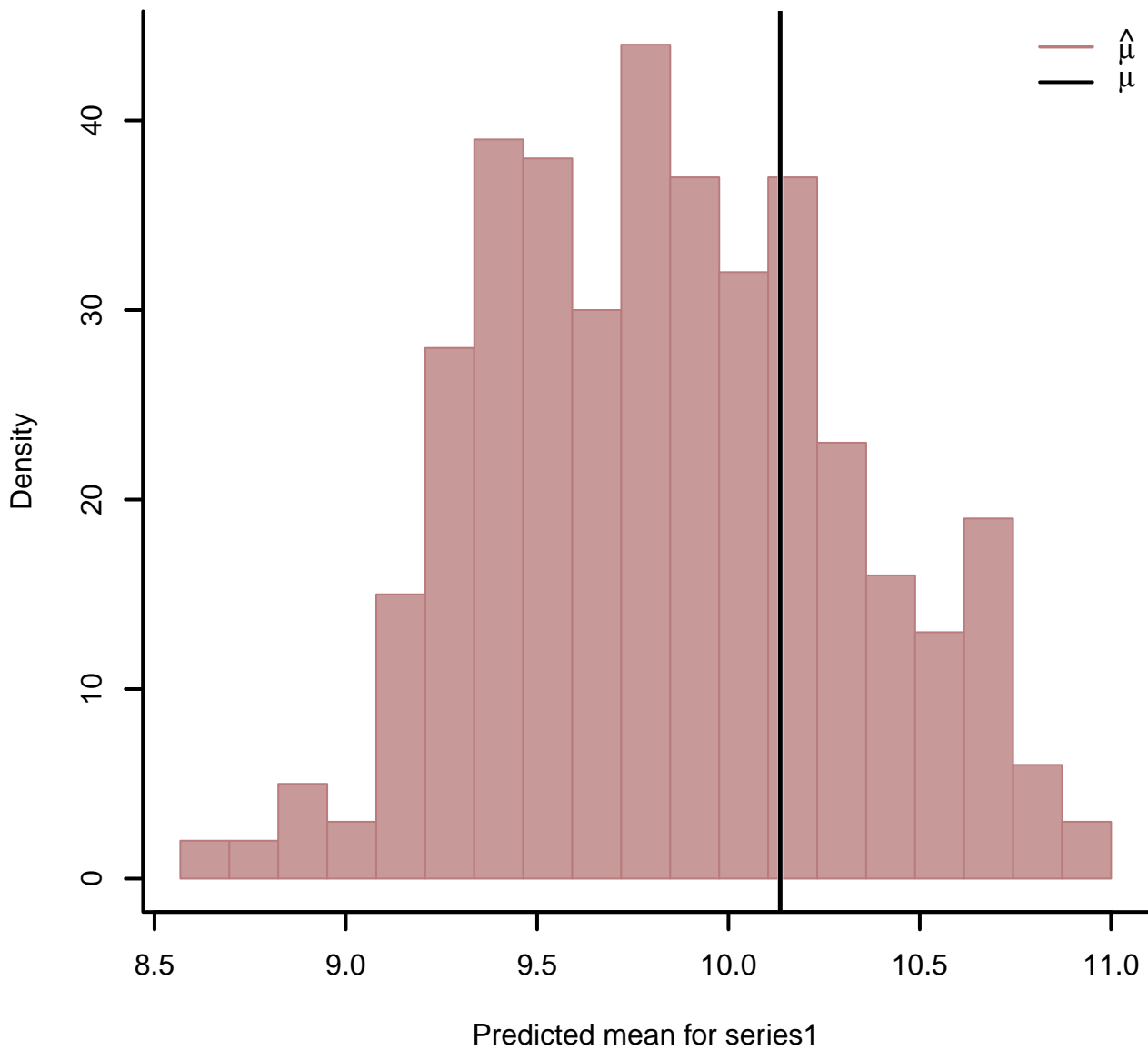
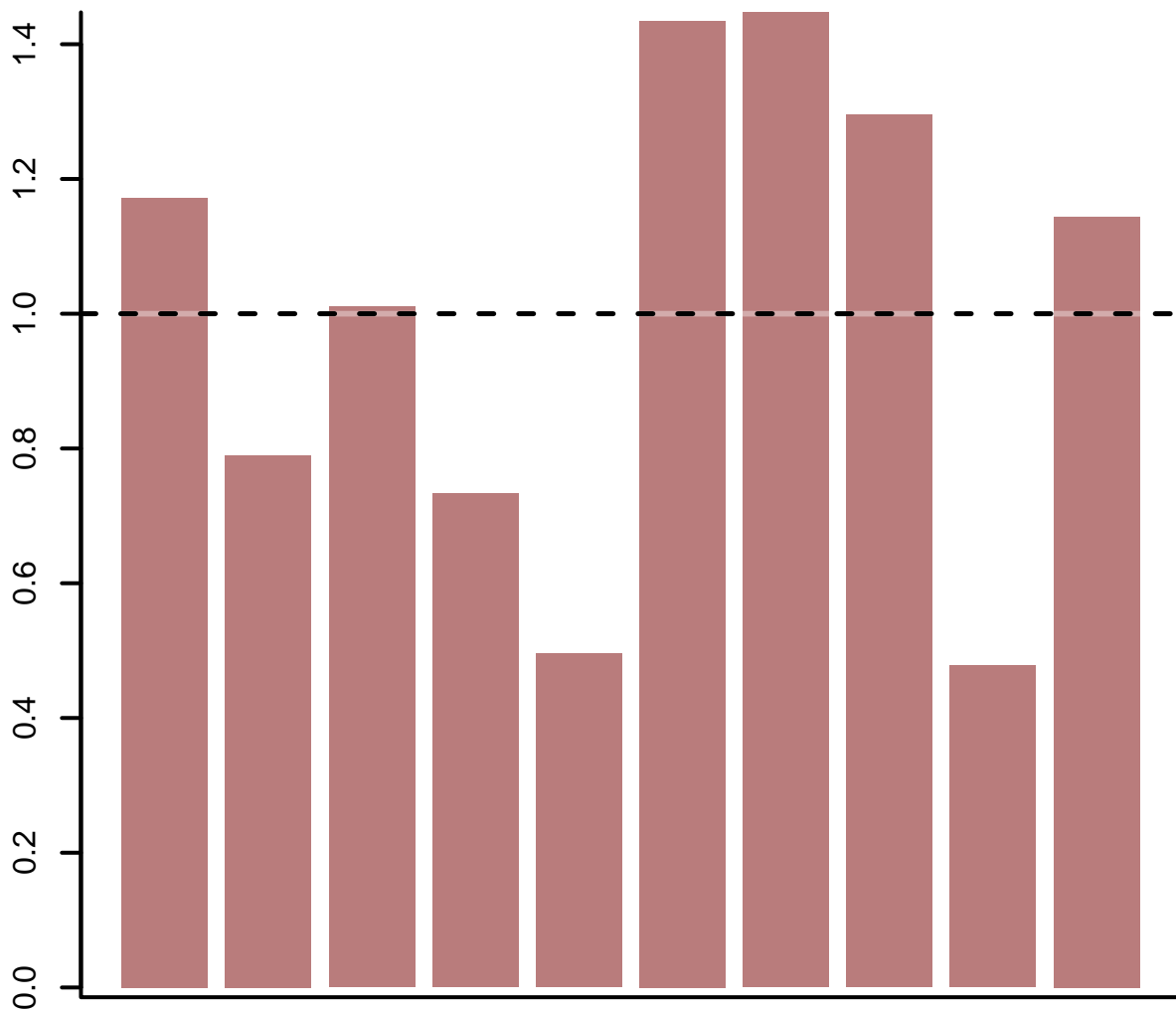


Predictive density for series1

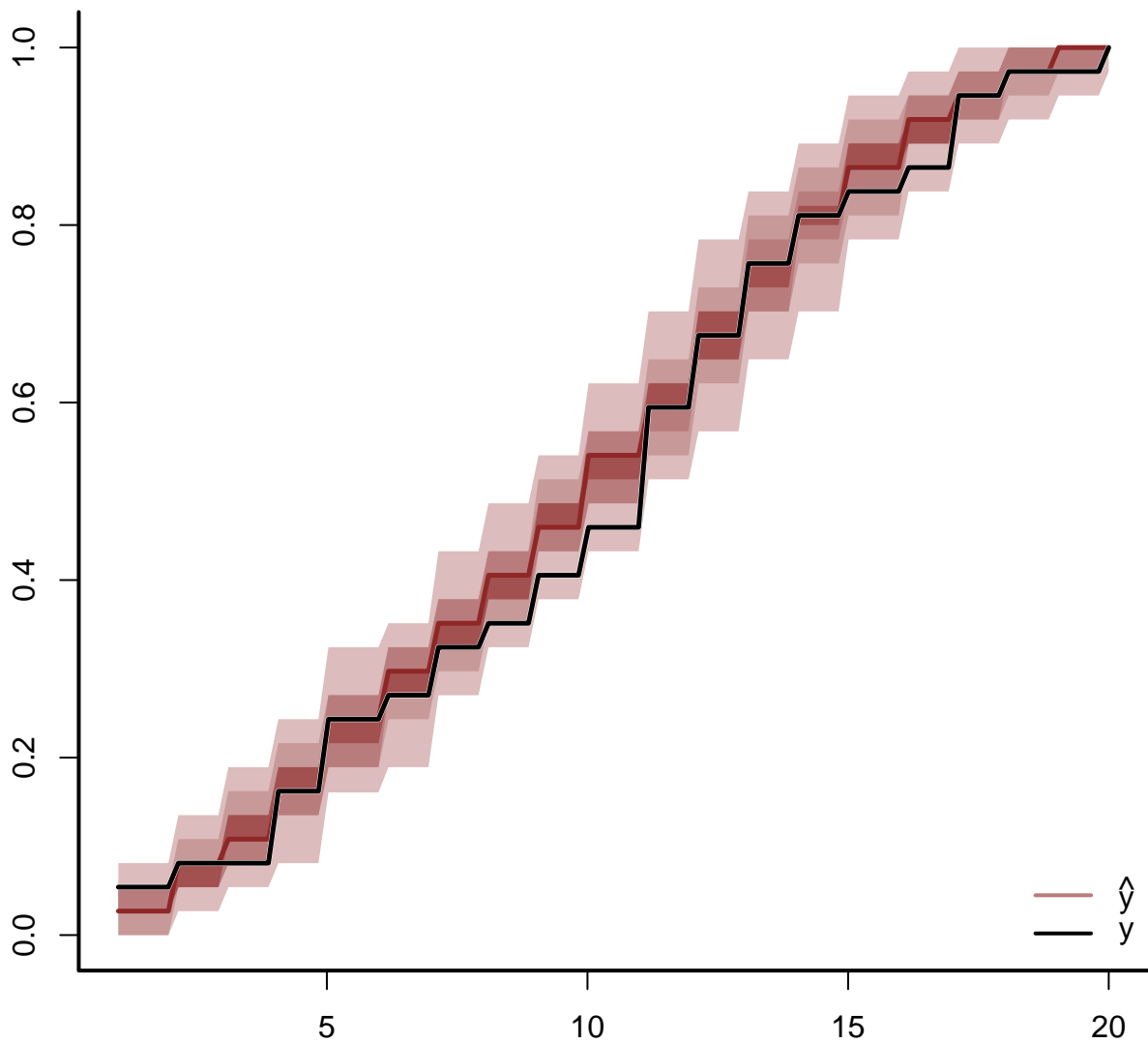


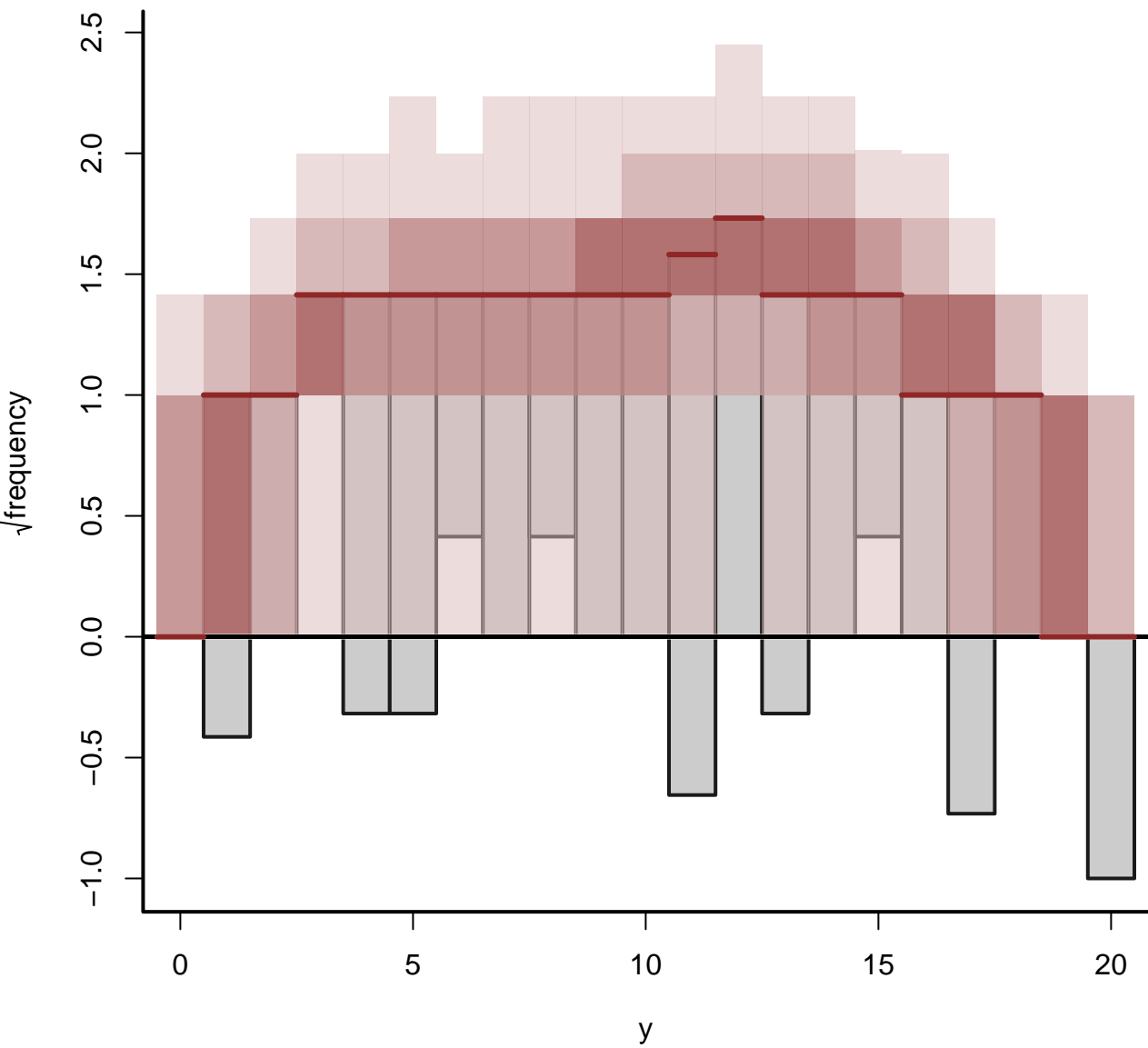


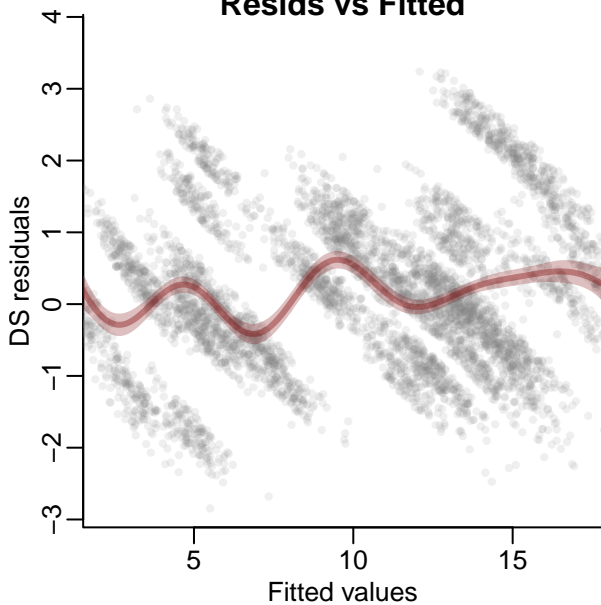
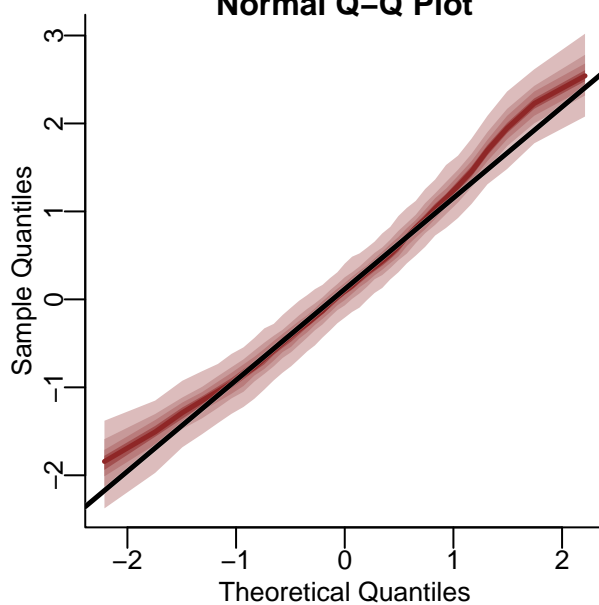
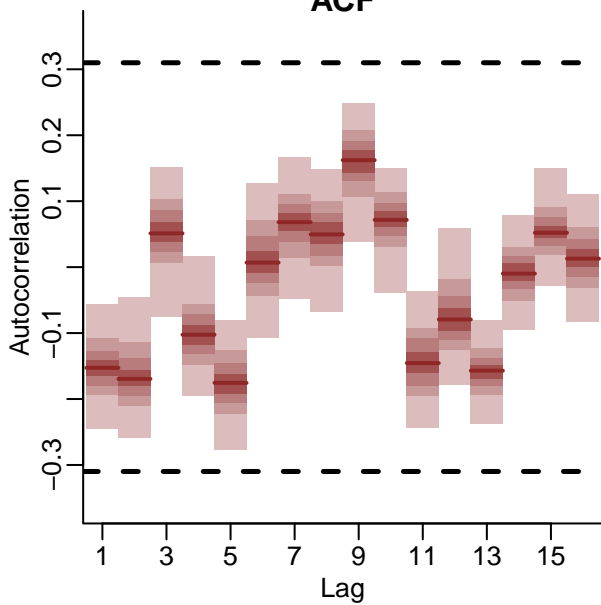
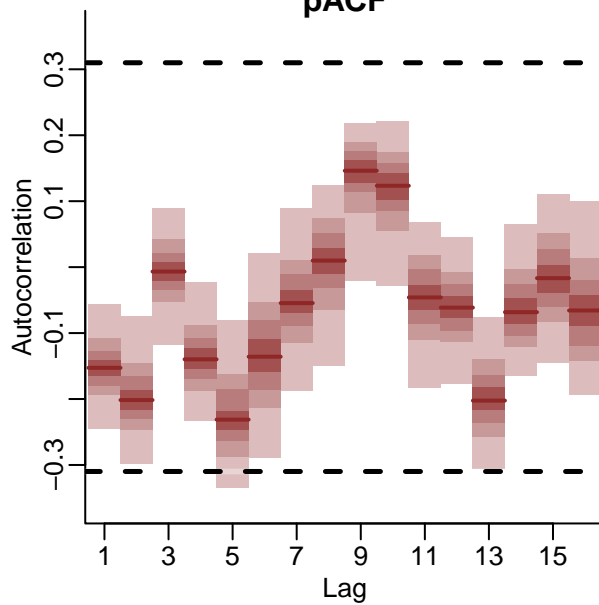


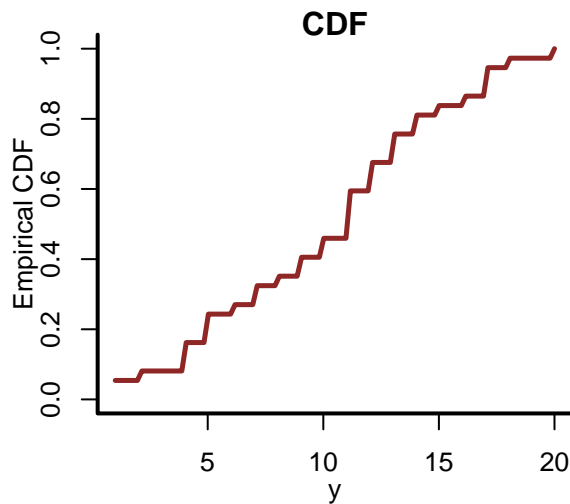
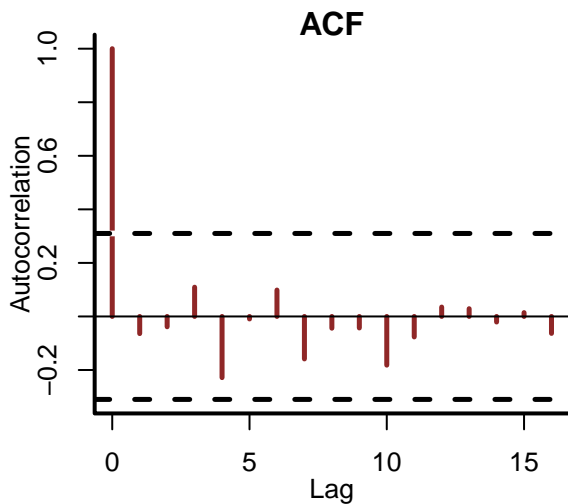
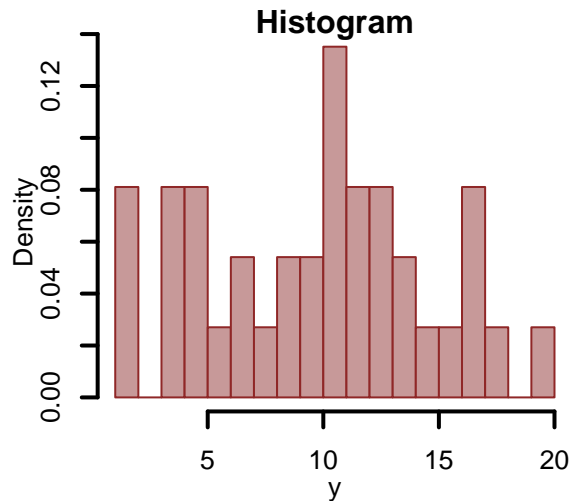
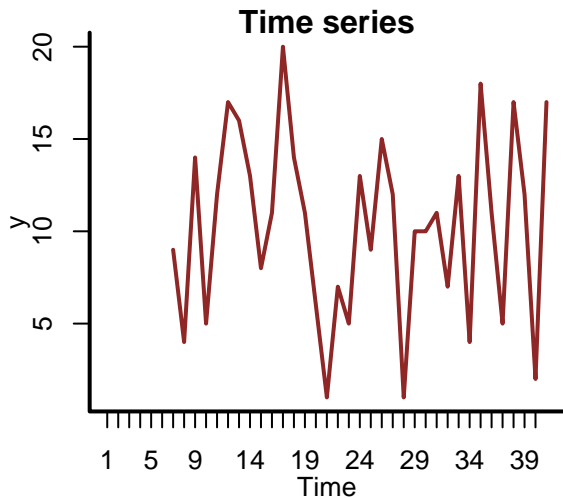
Predictive PIT for series1

Predictive CDF for series1

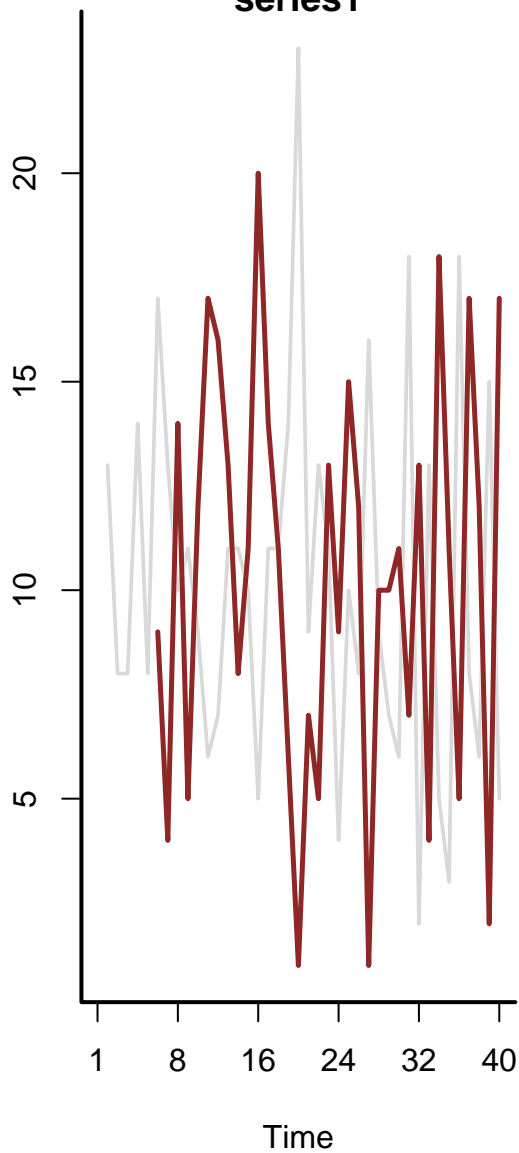




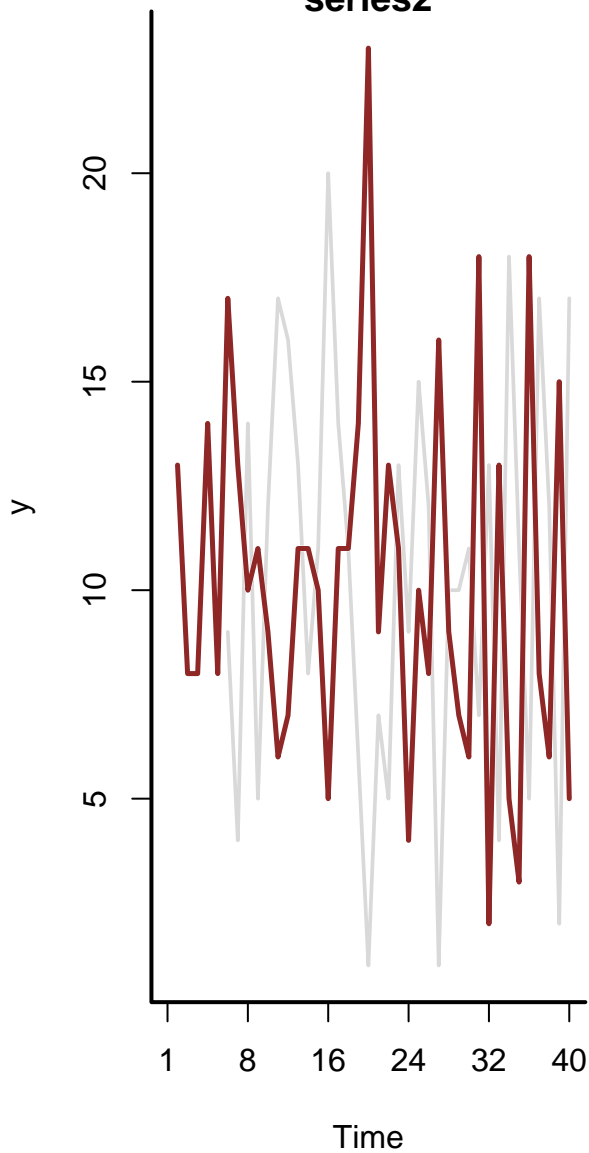
Resids vs Fitted**Normal Q-Q Plot****ACF****pACF**

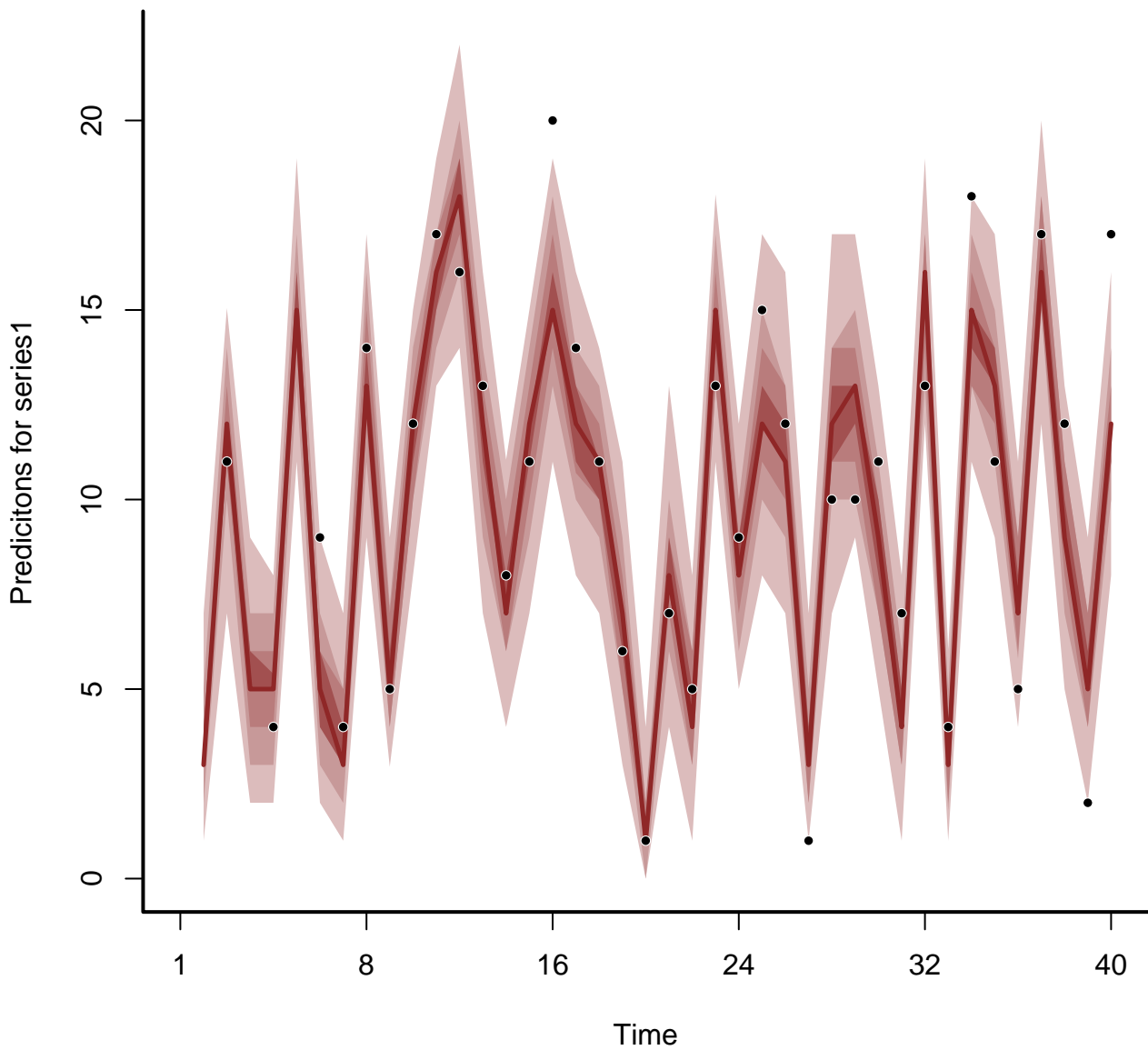


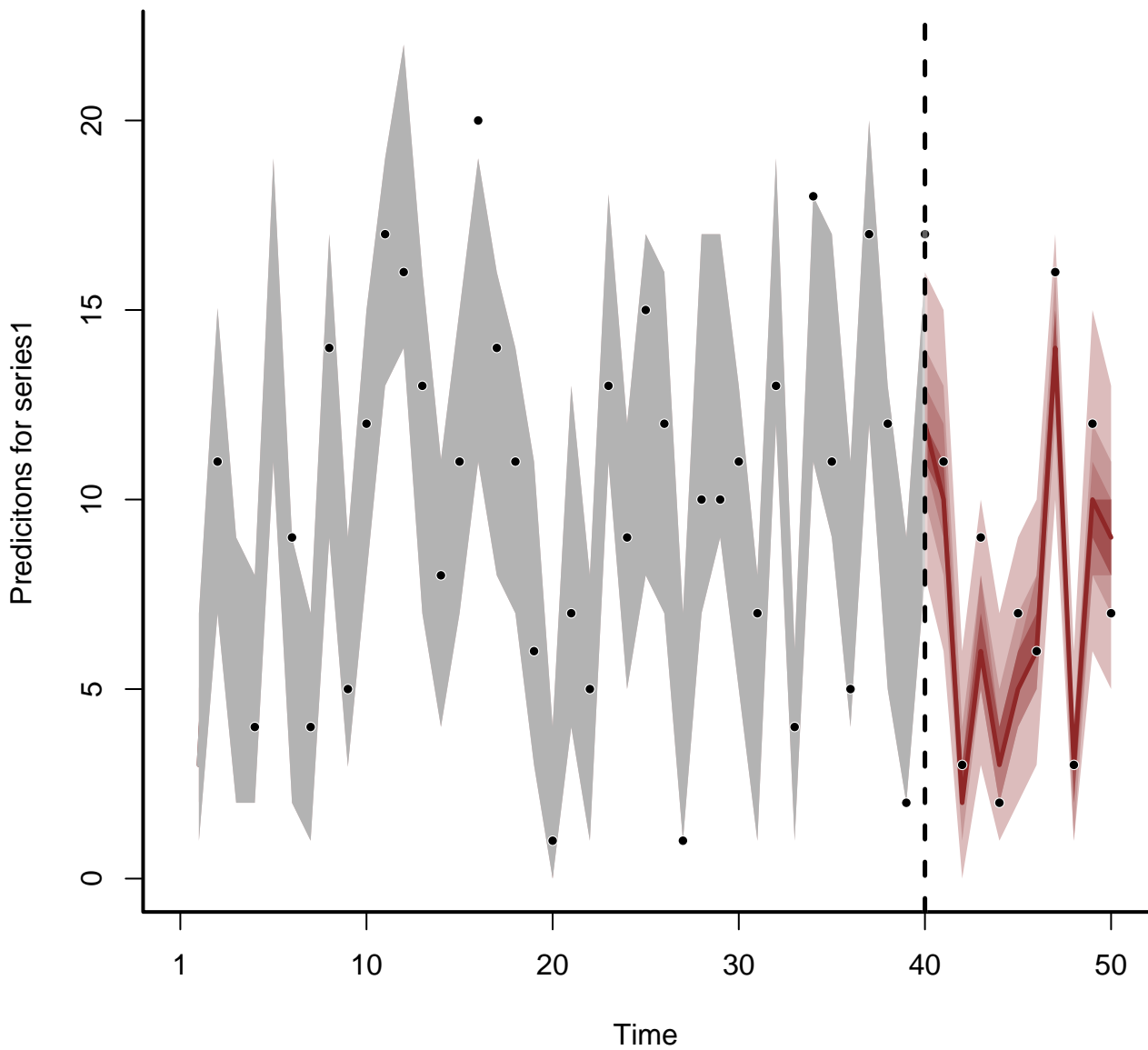
series1

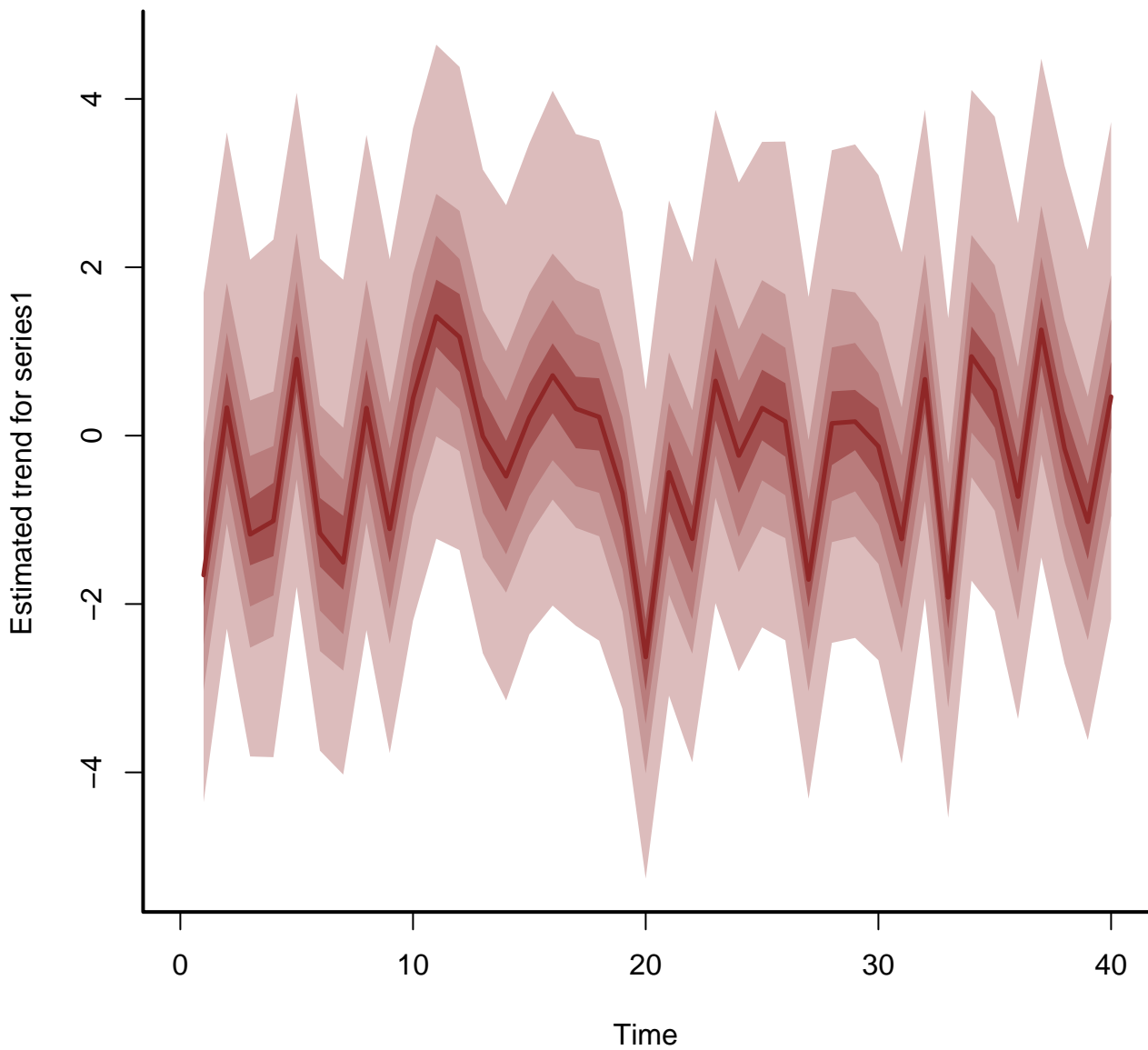


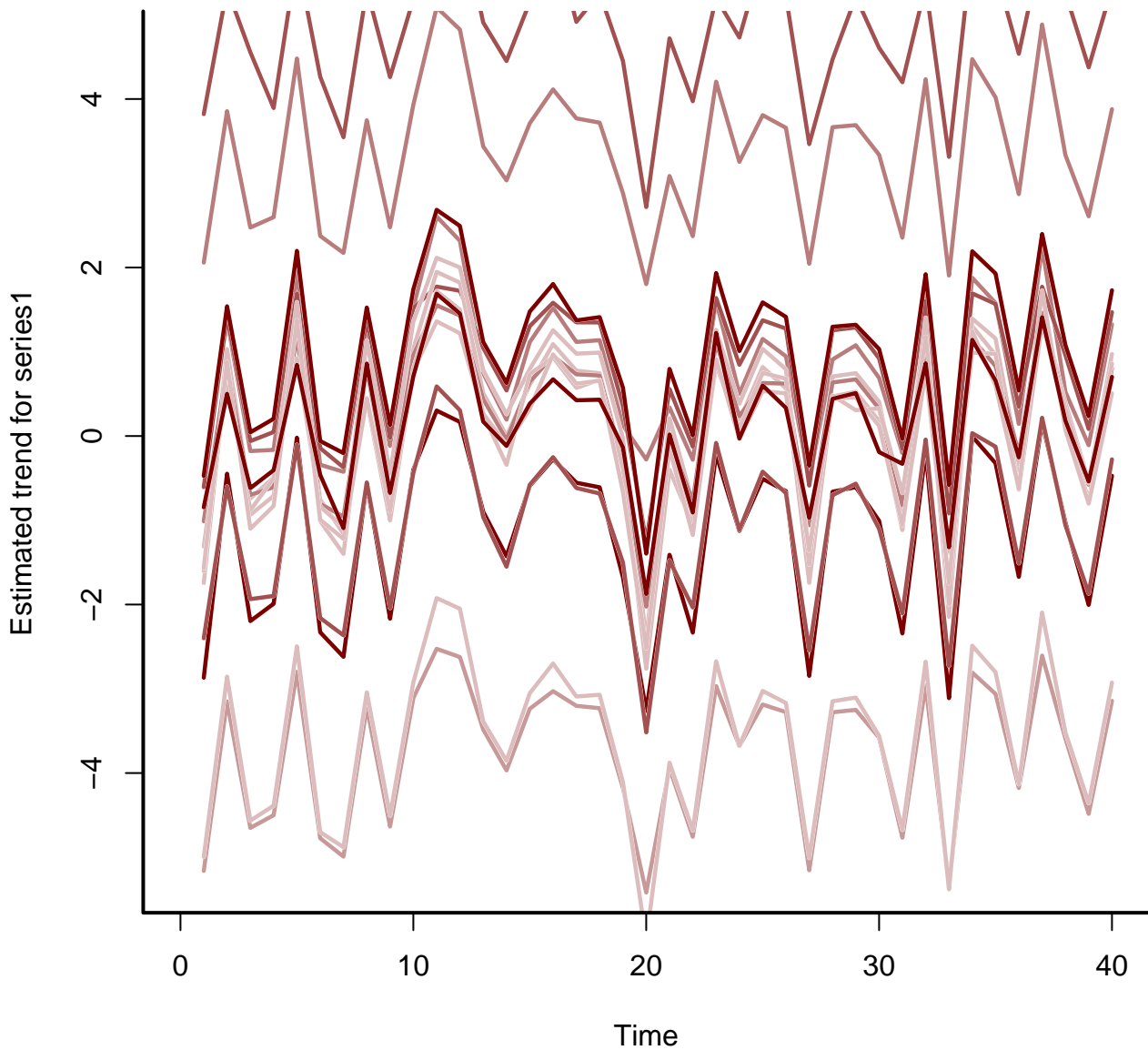
series2

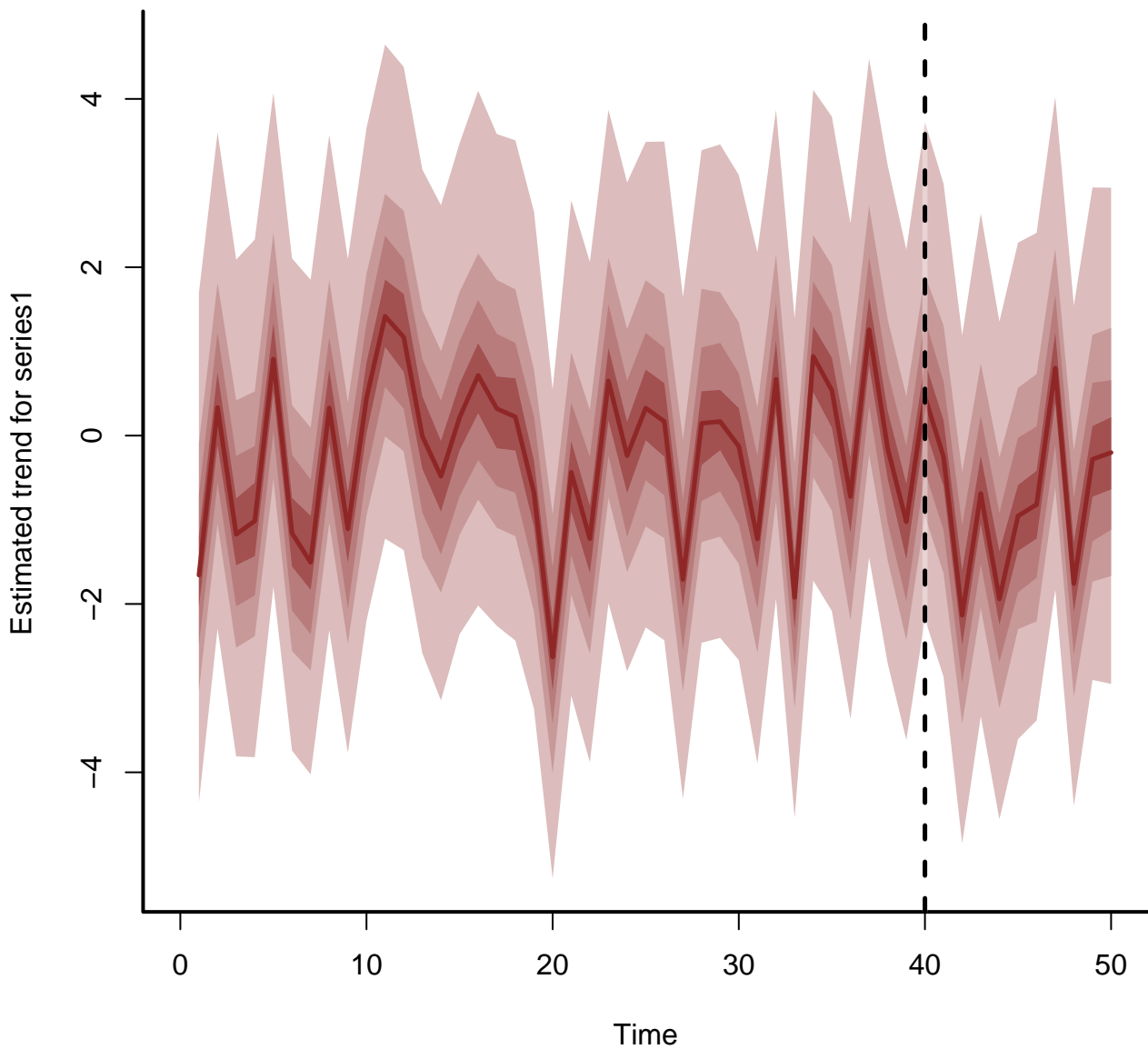


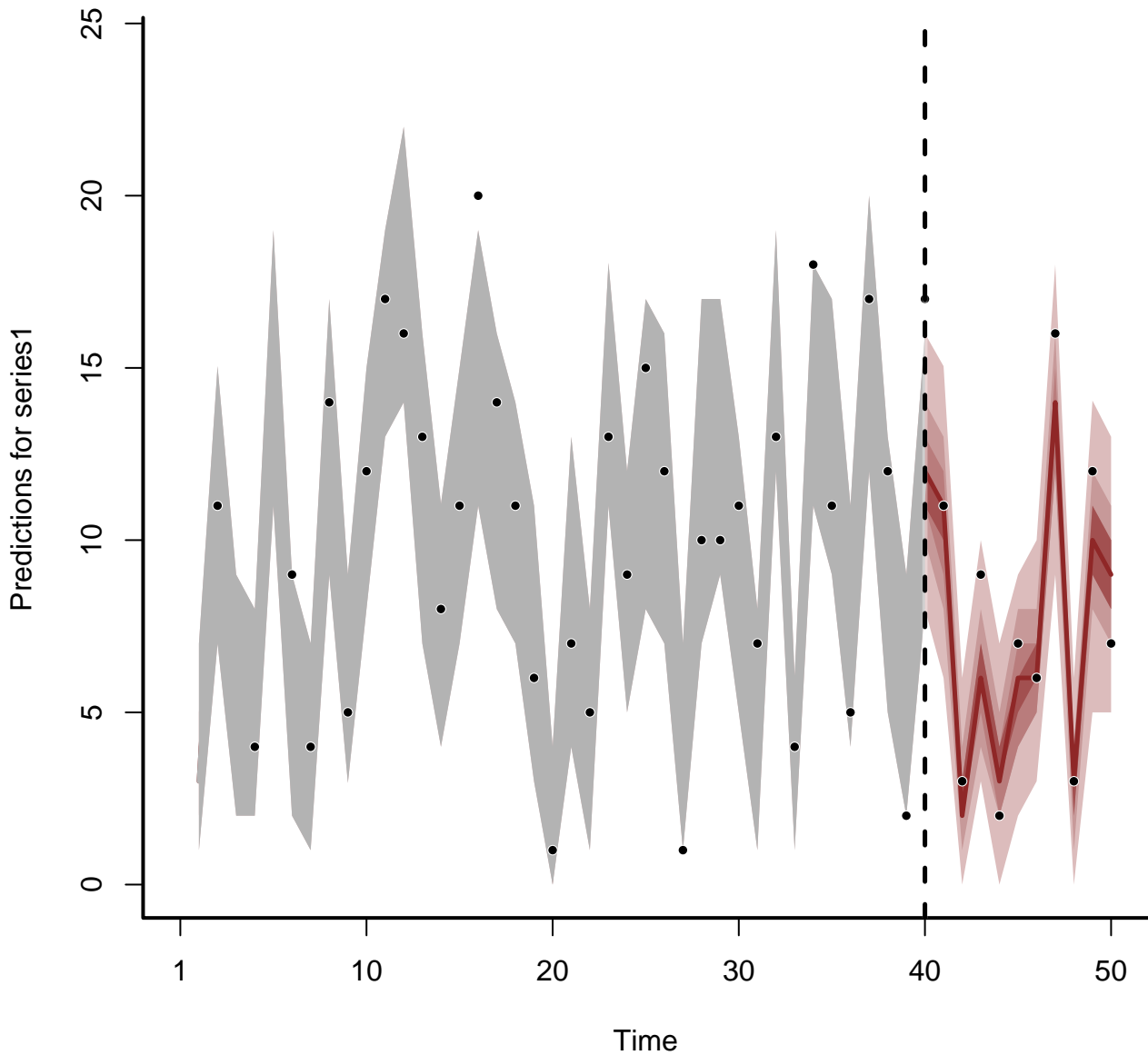


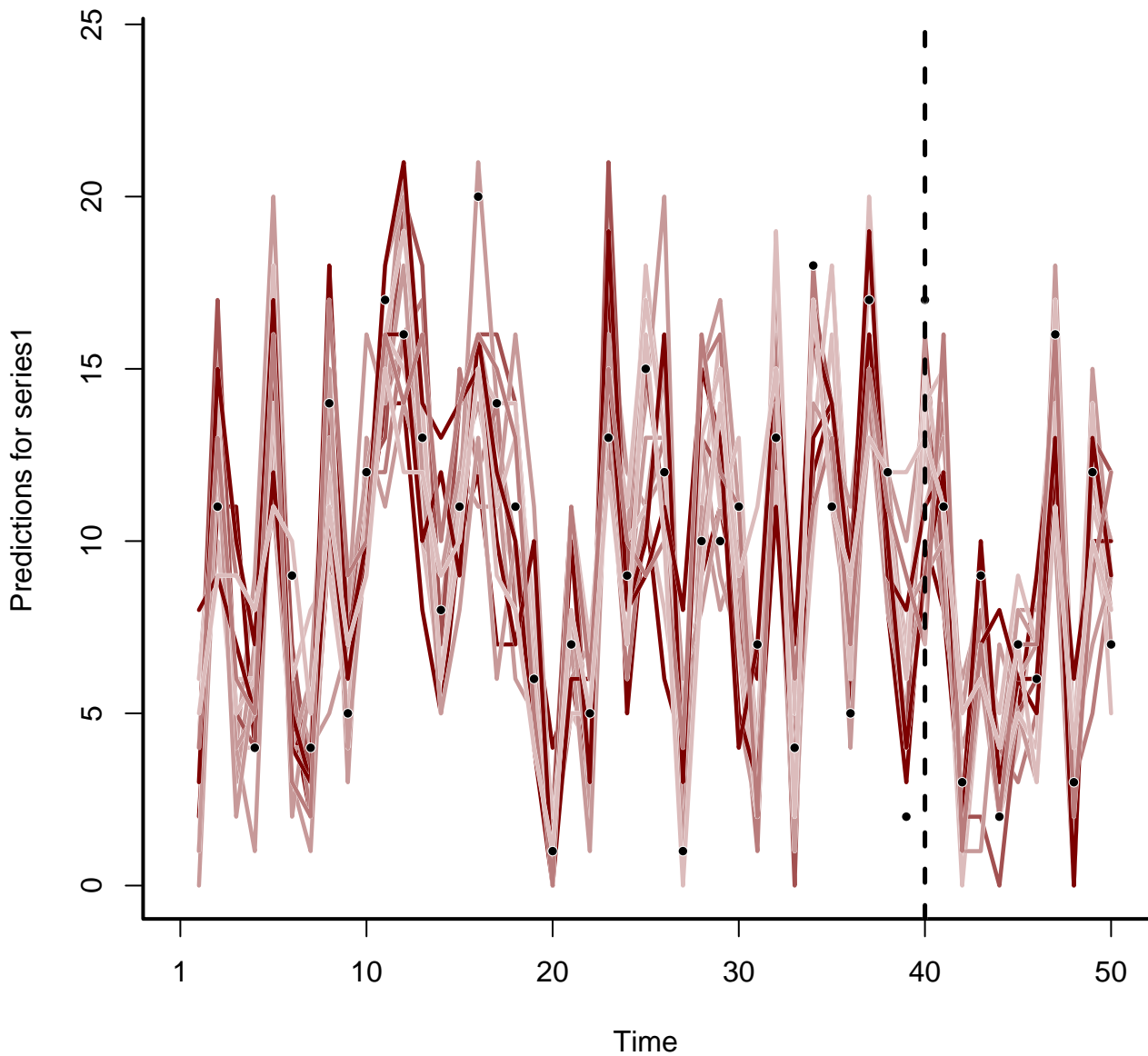




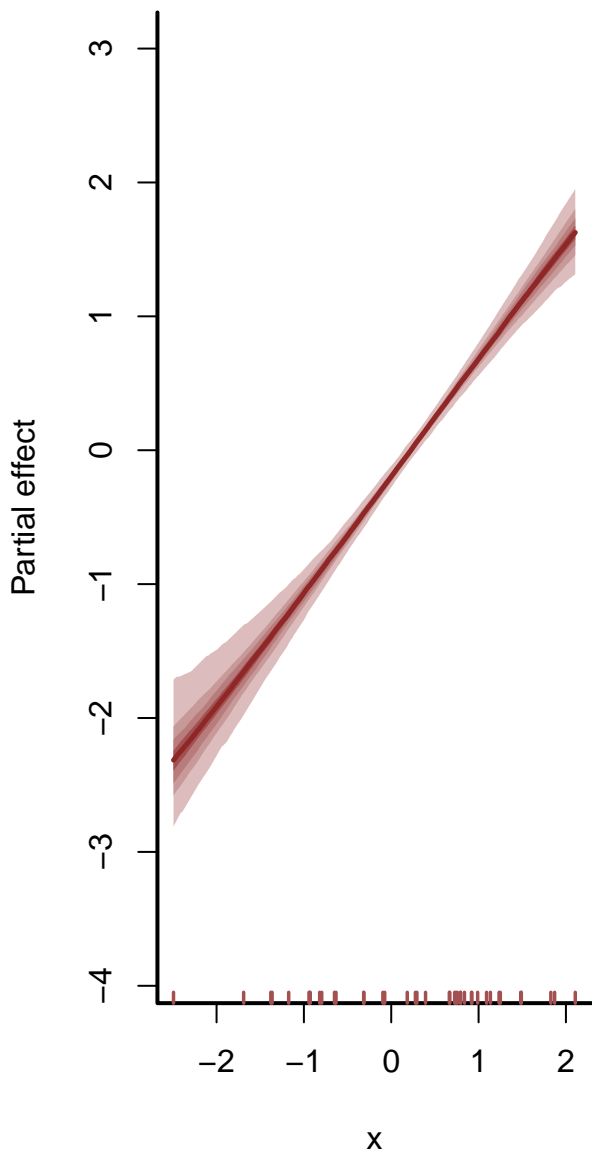




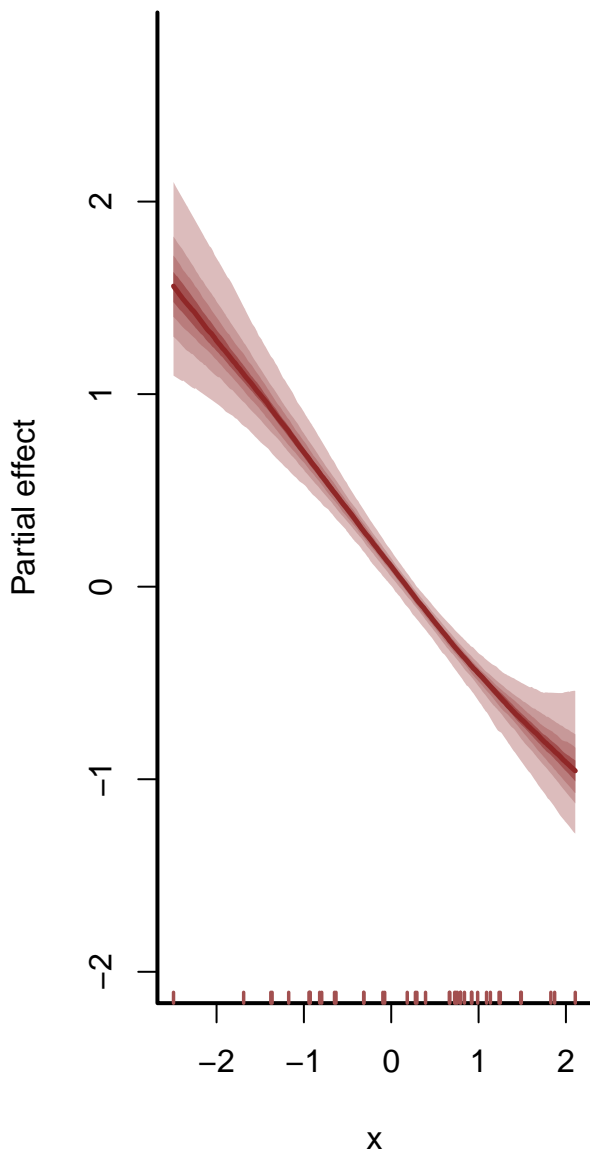




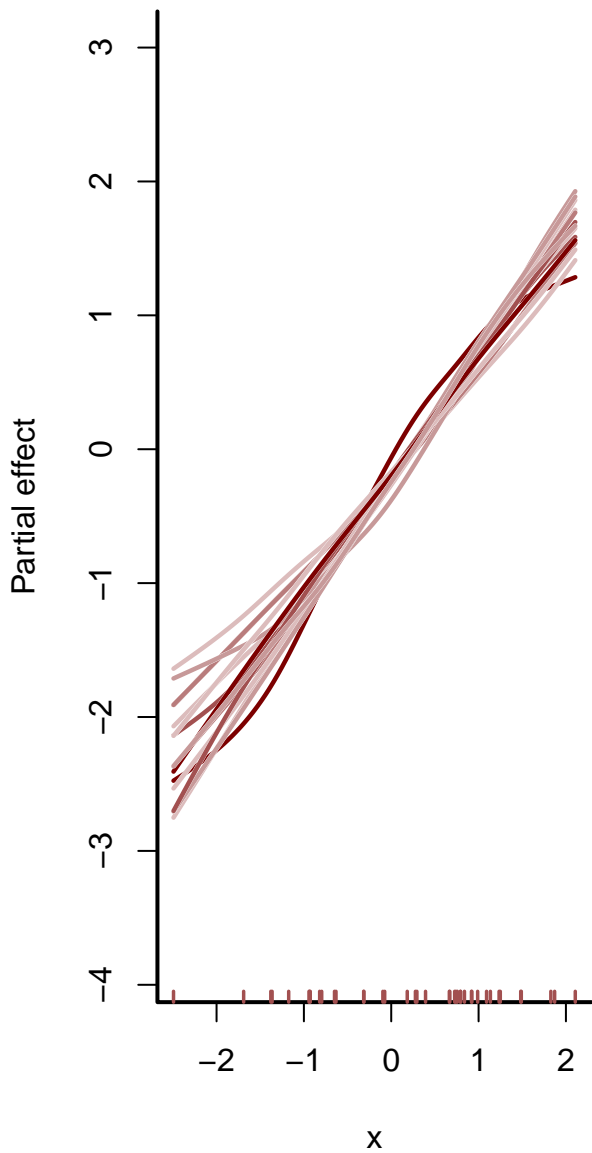
s(x):trendtrend1



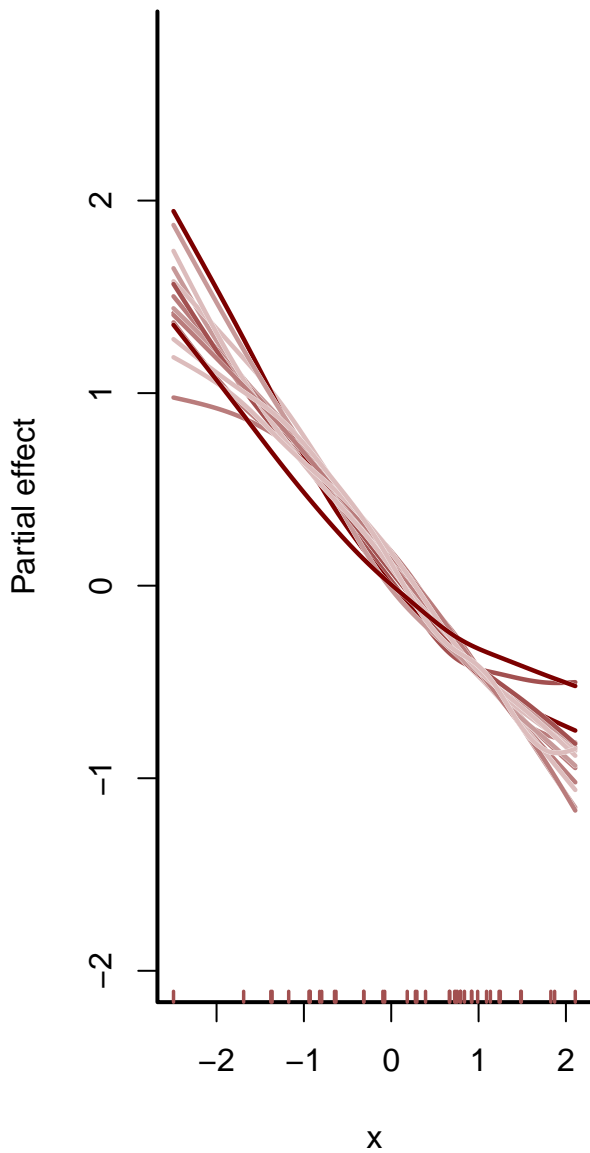
s(x):trendtrend2



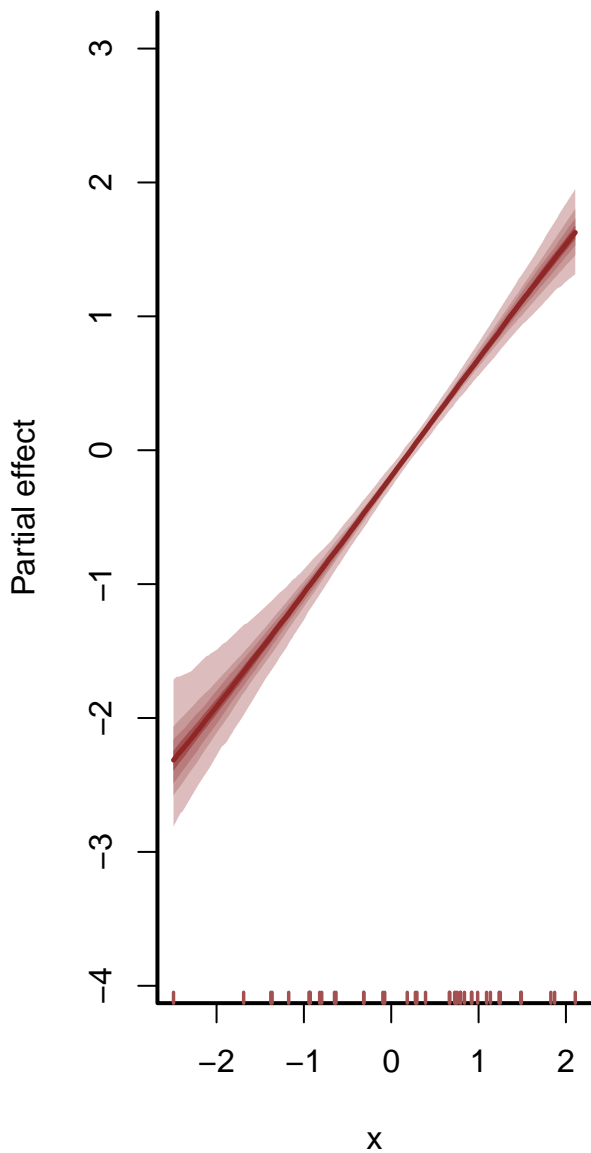
s(x):trendtrend1



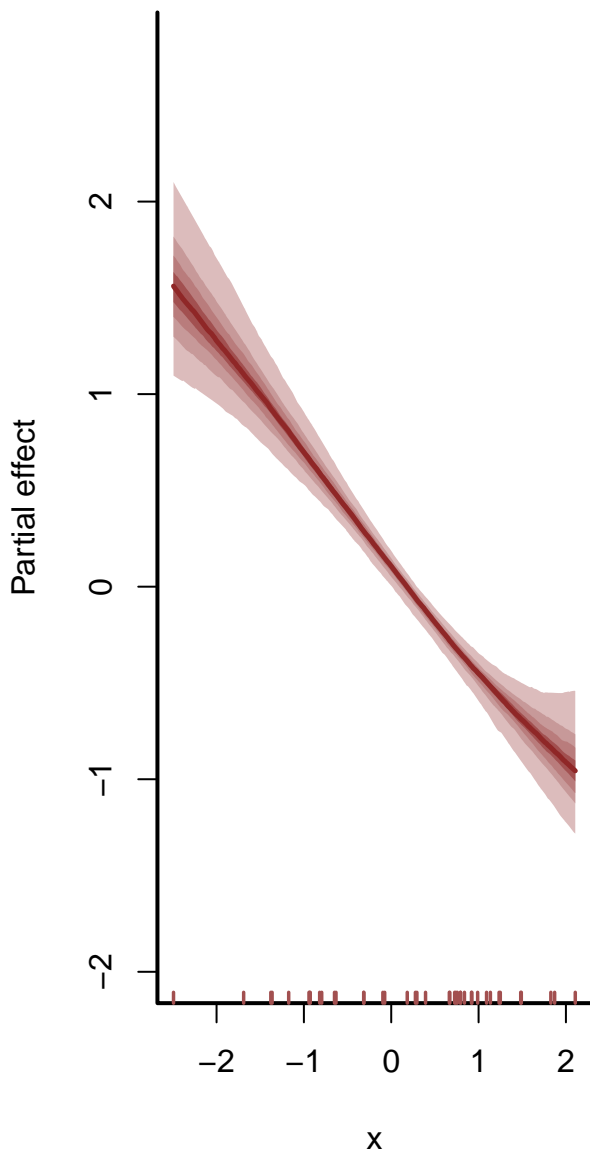
s(x):trendtrend2



s(x):trendtrend1



s(x):trendtrend2



series

Partial effect

0.6

0.4

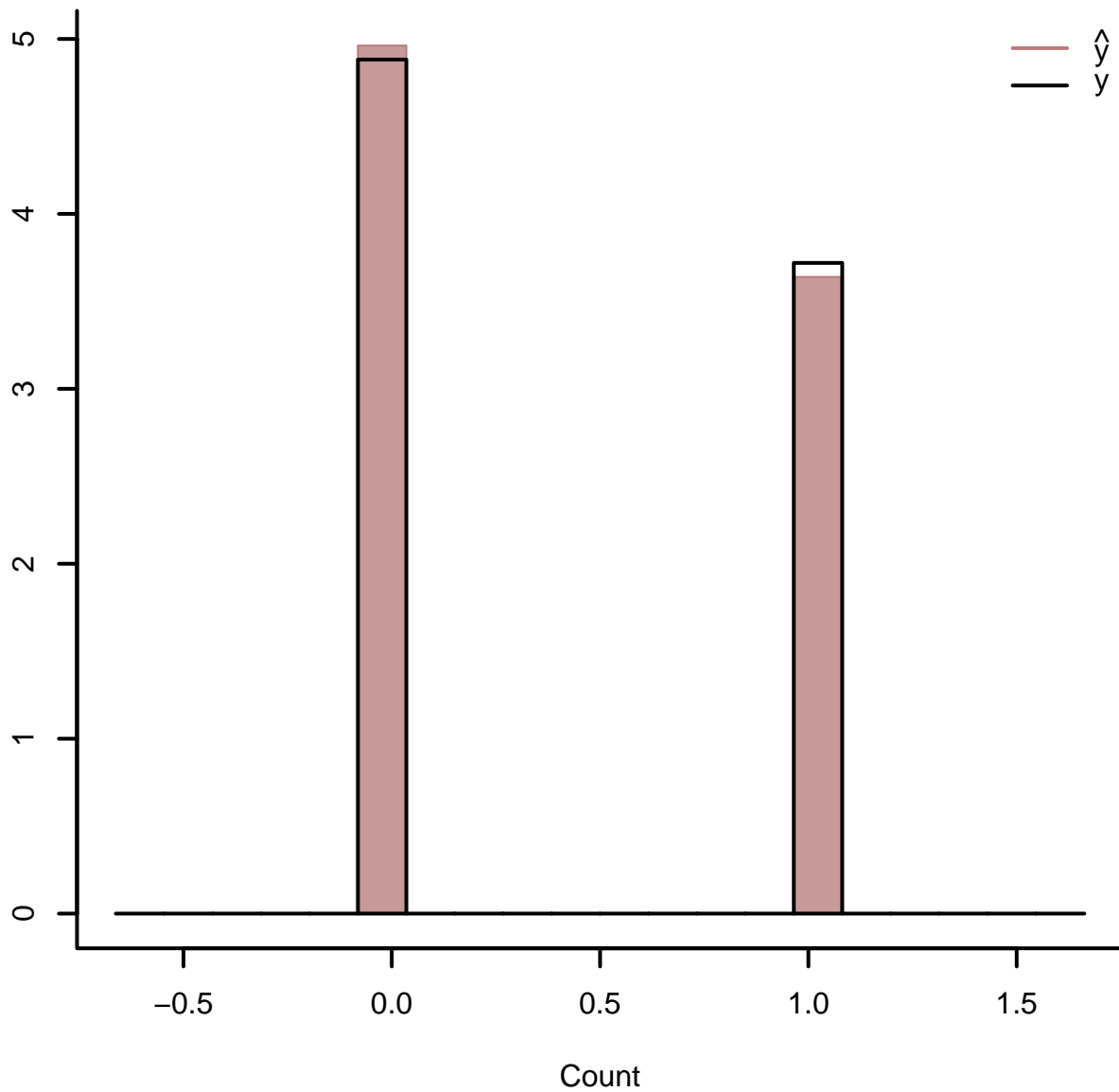
0.2

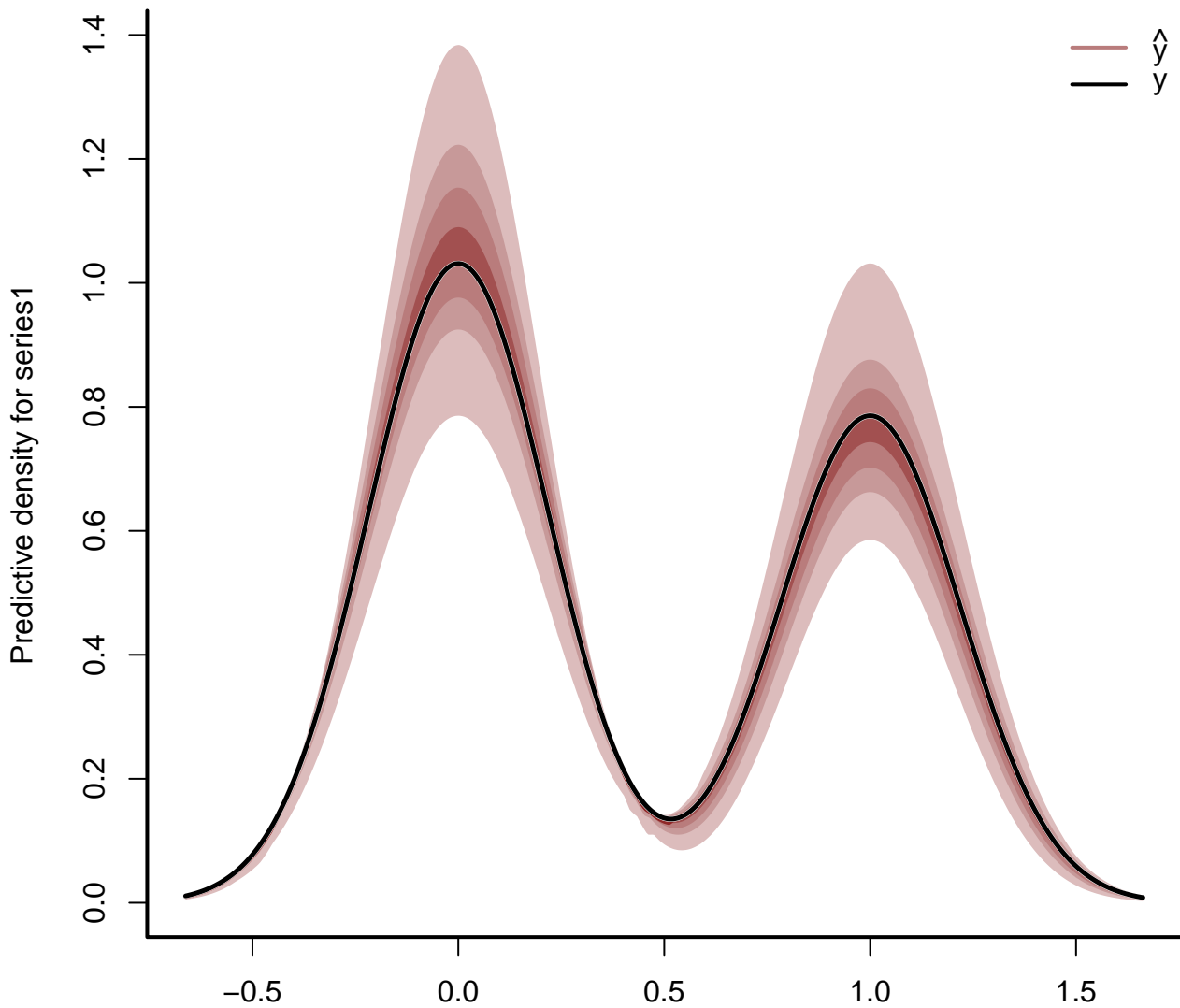
0.0

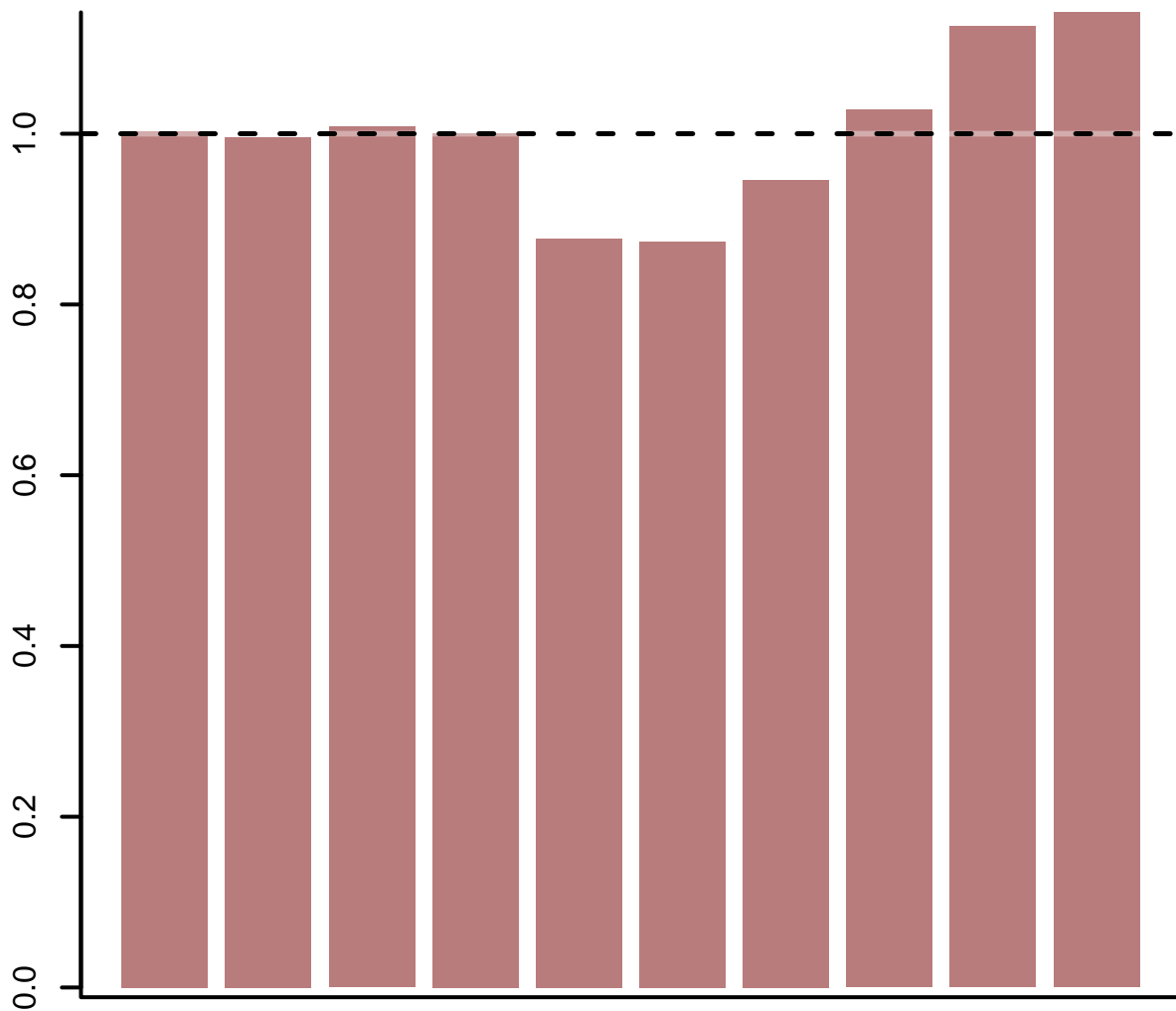
-0.2

-0.4



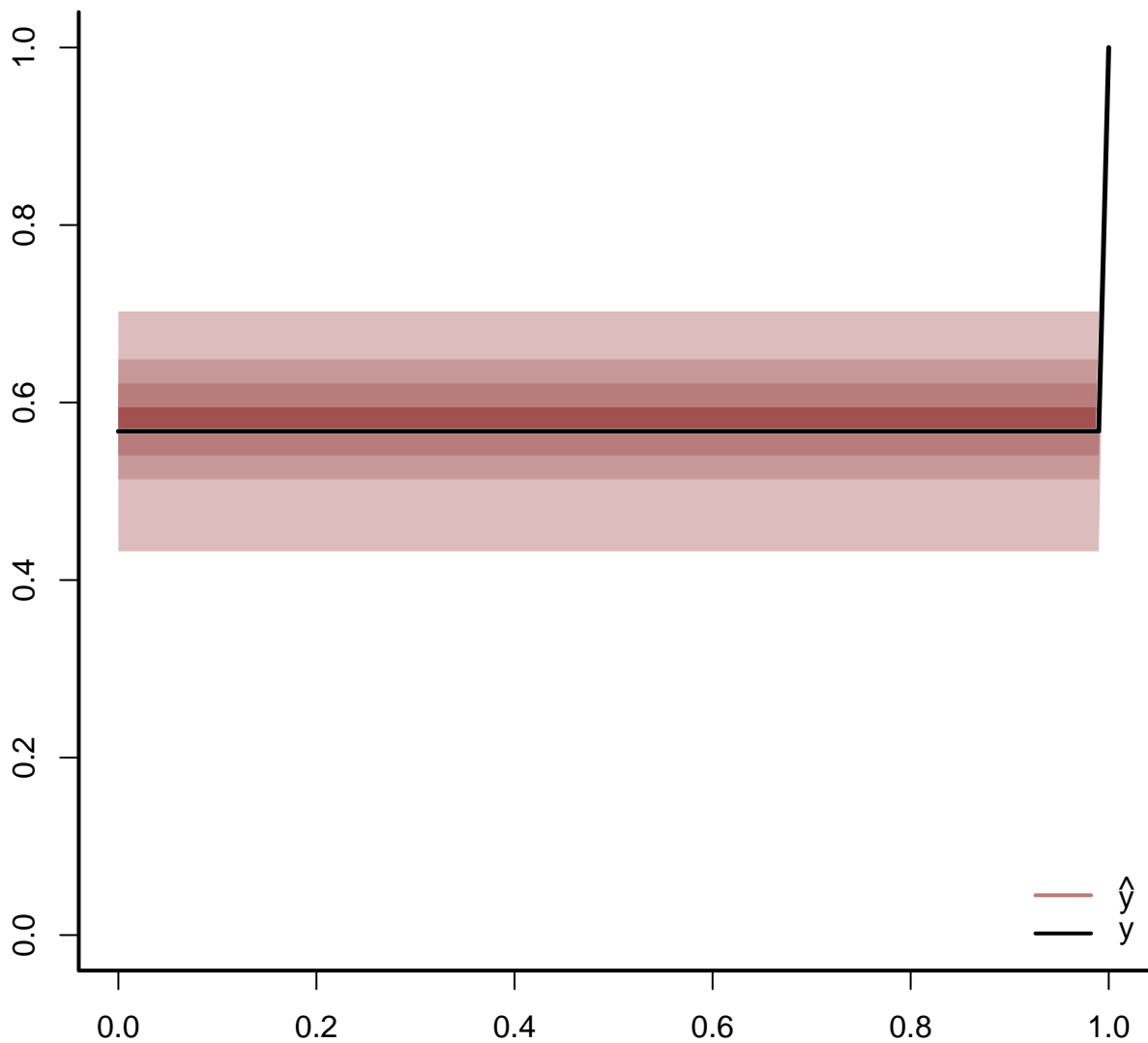


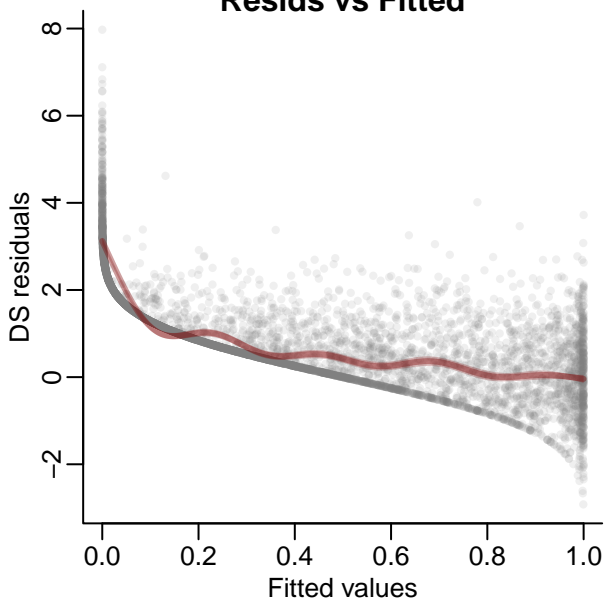
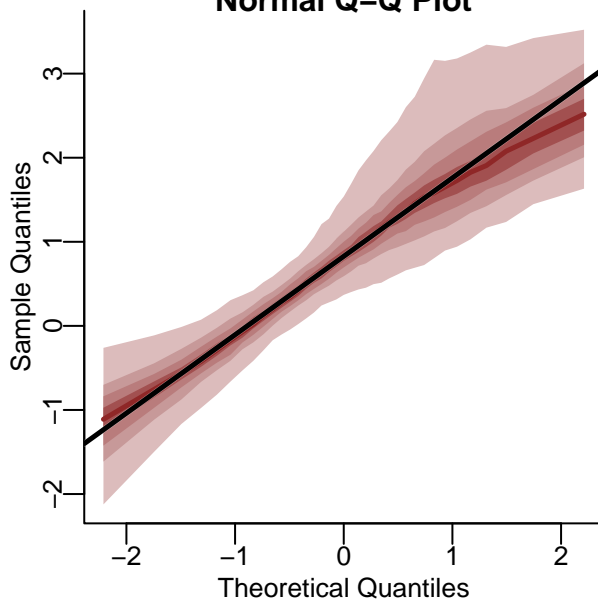
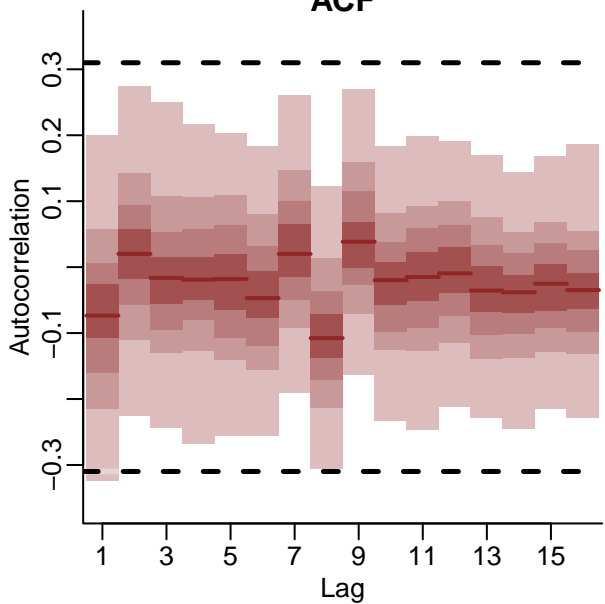
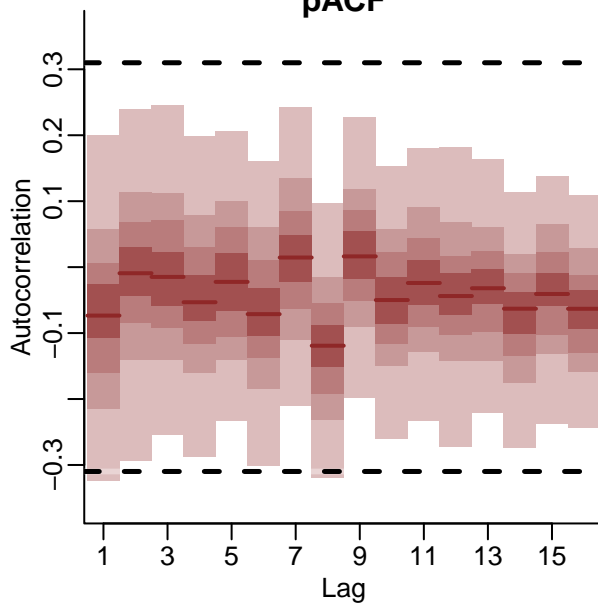


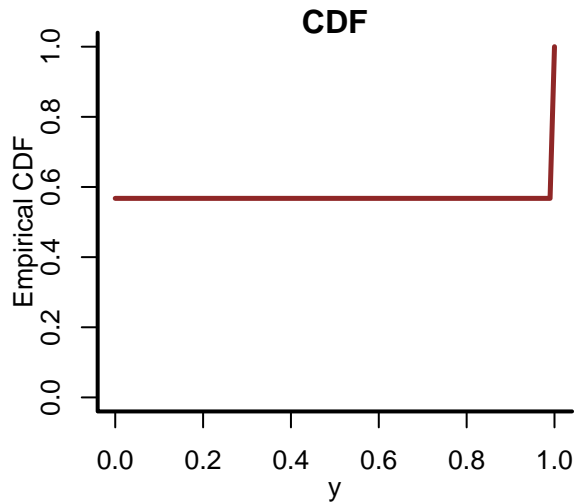
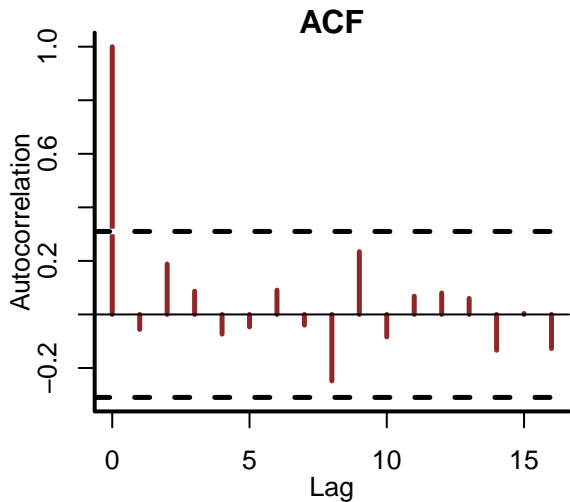
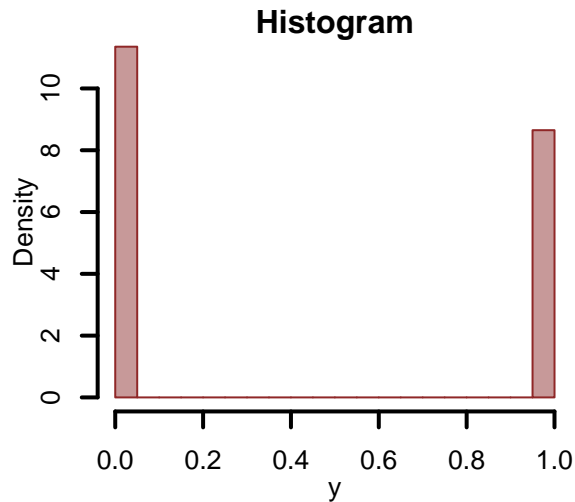
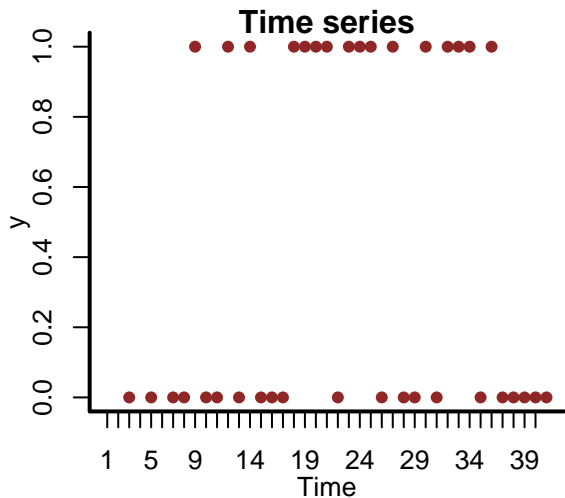


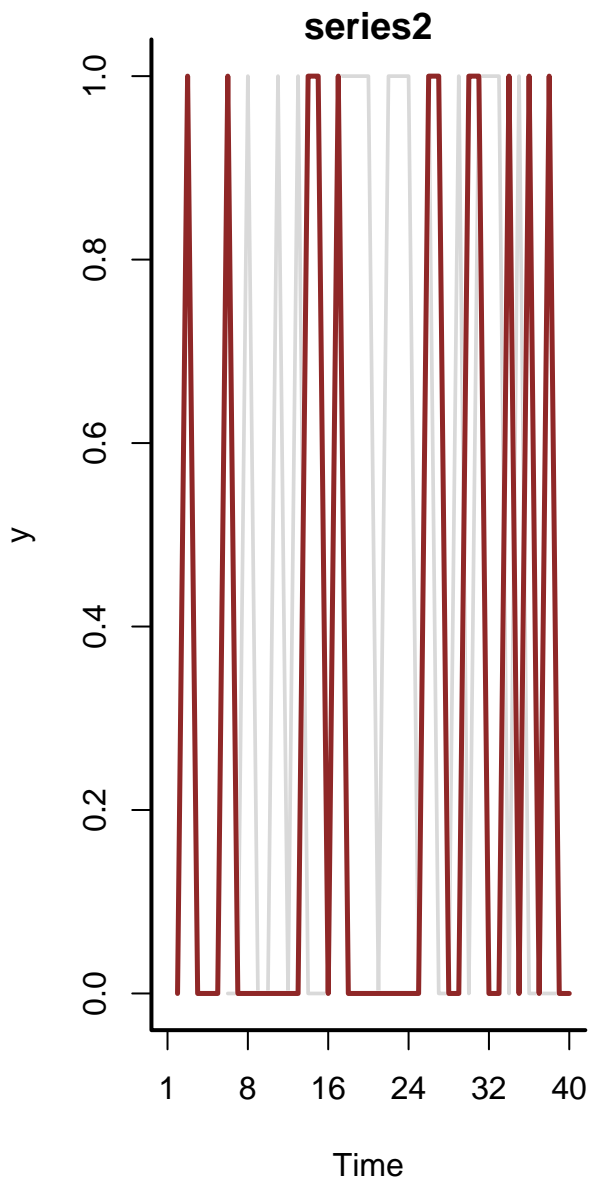
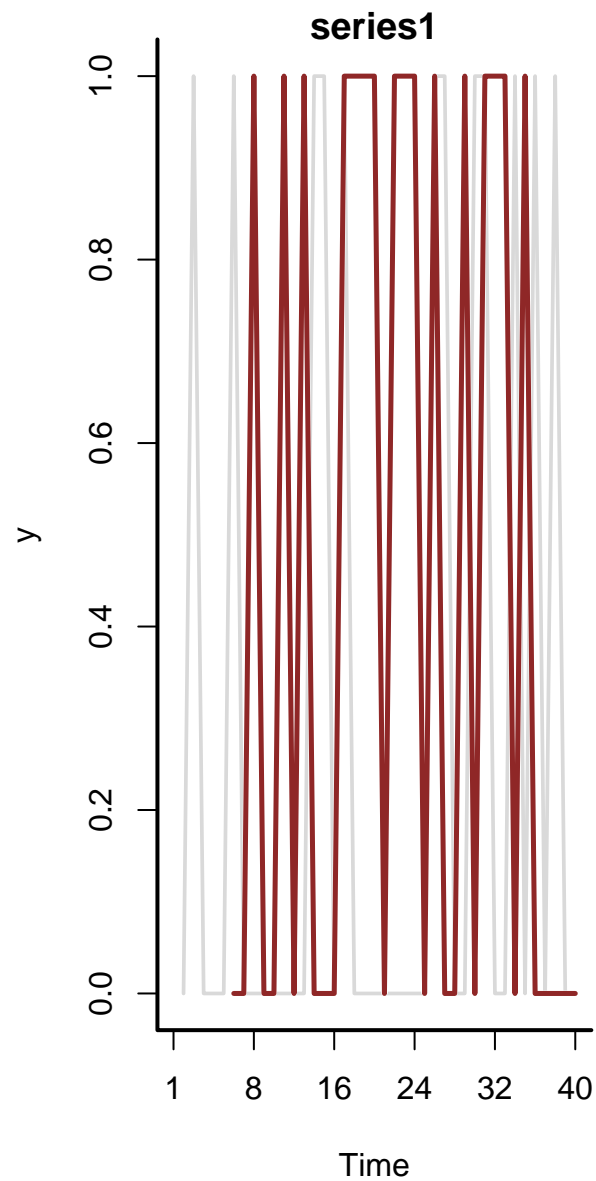
Predictive PIT for series1

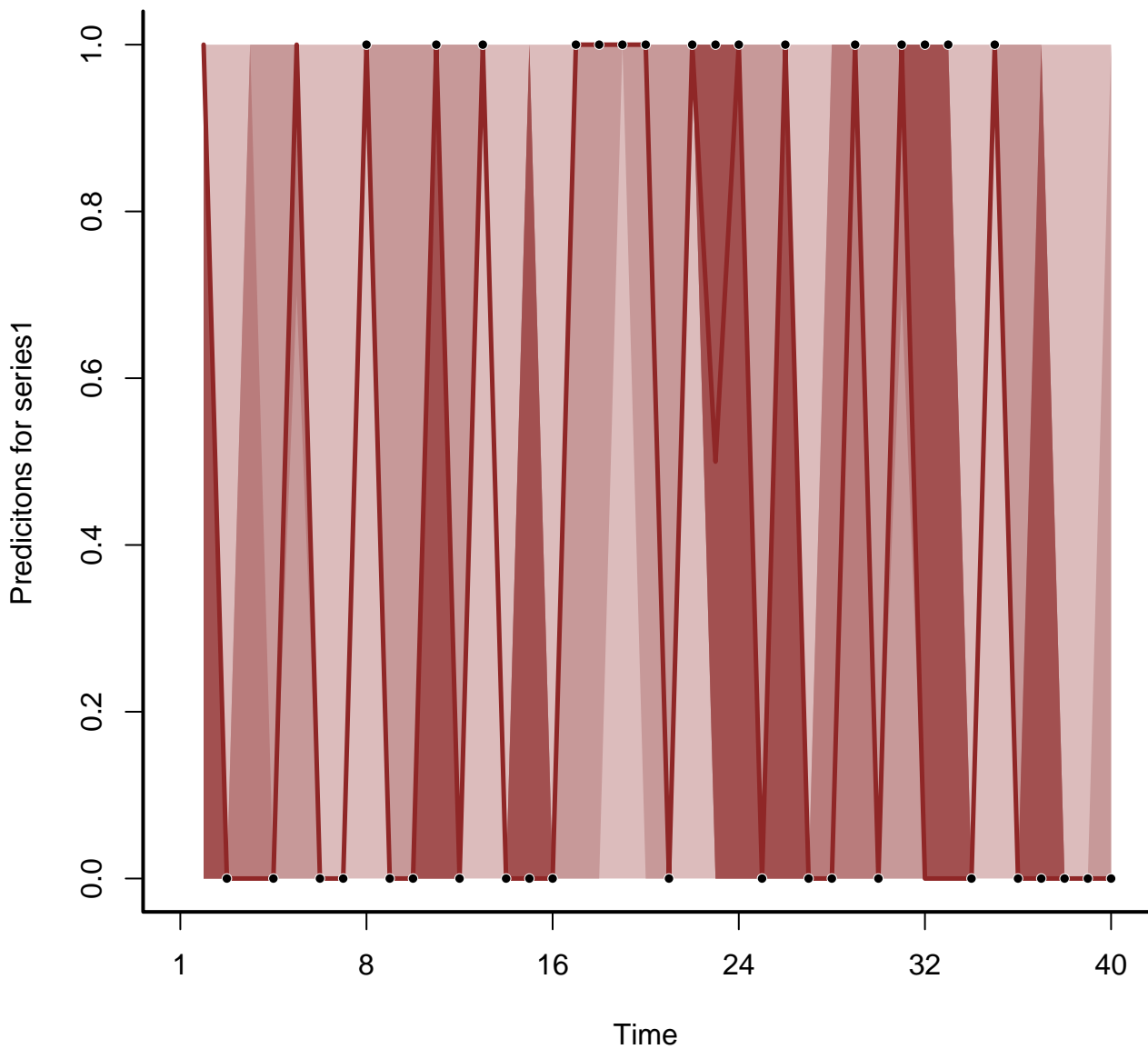
Predictive CDF for series1

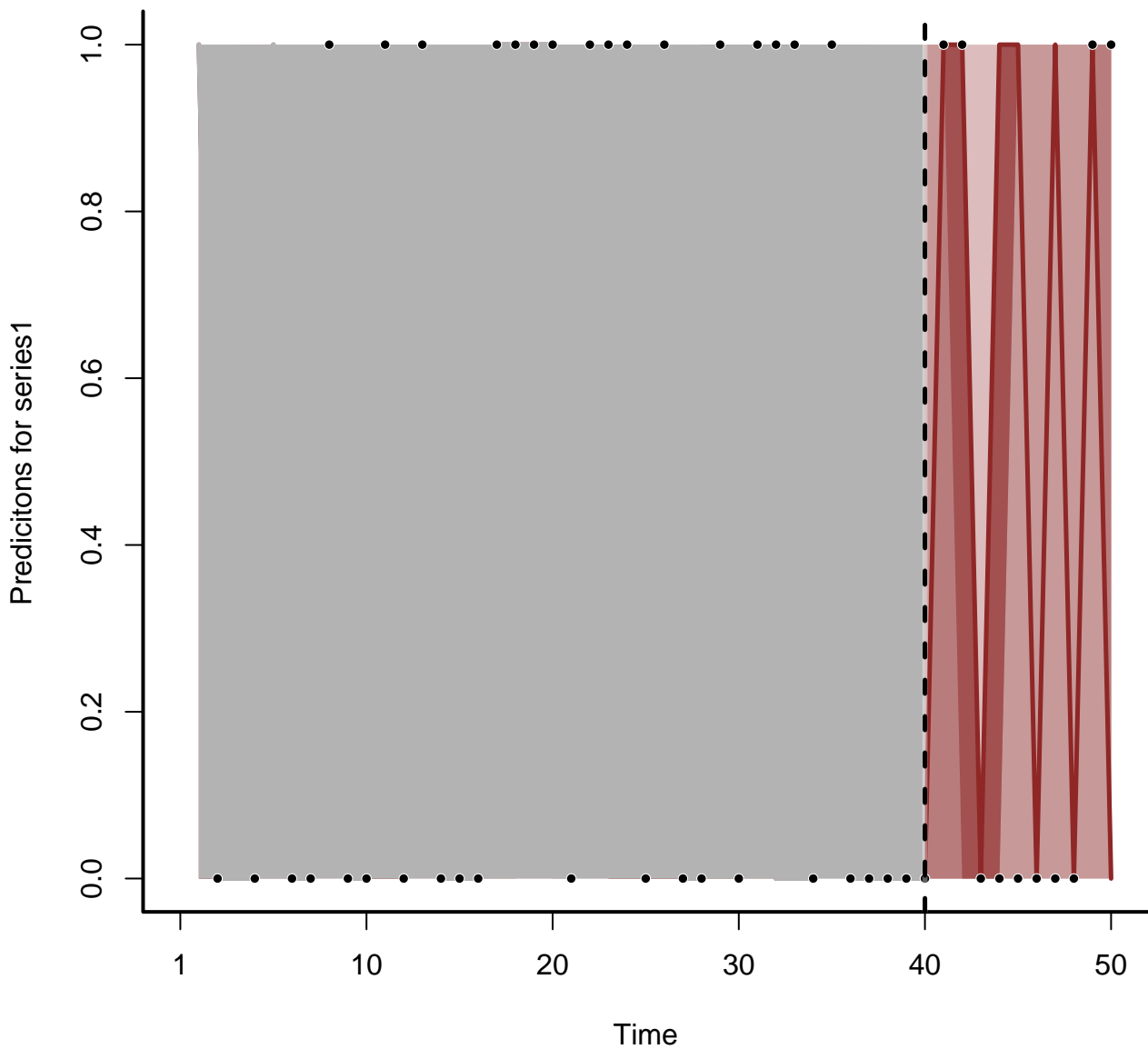


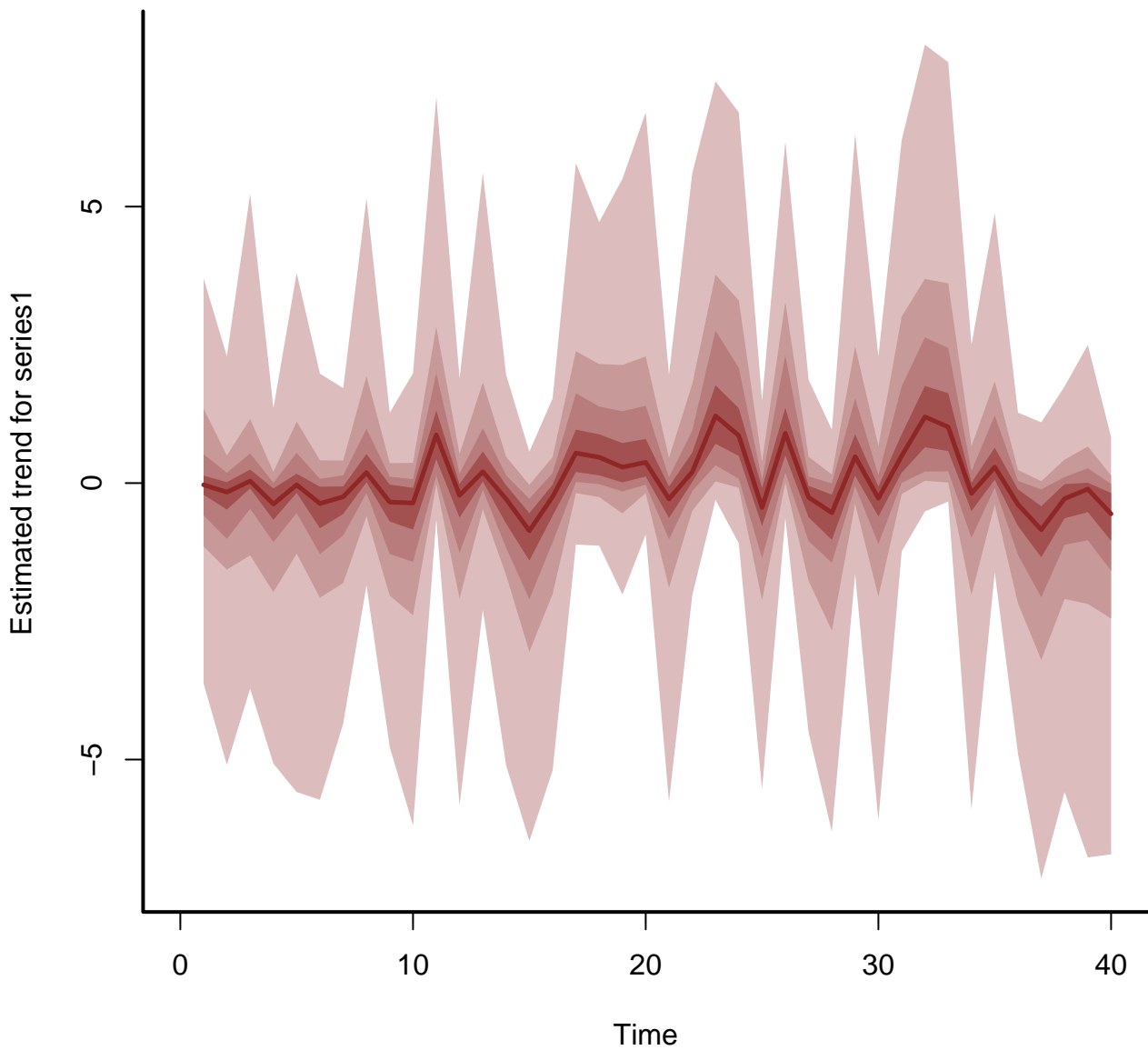
Resids vs Fitted**Normal Q-Q Plot****ACF****pACF**

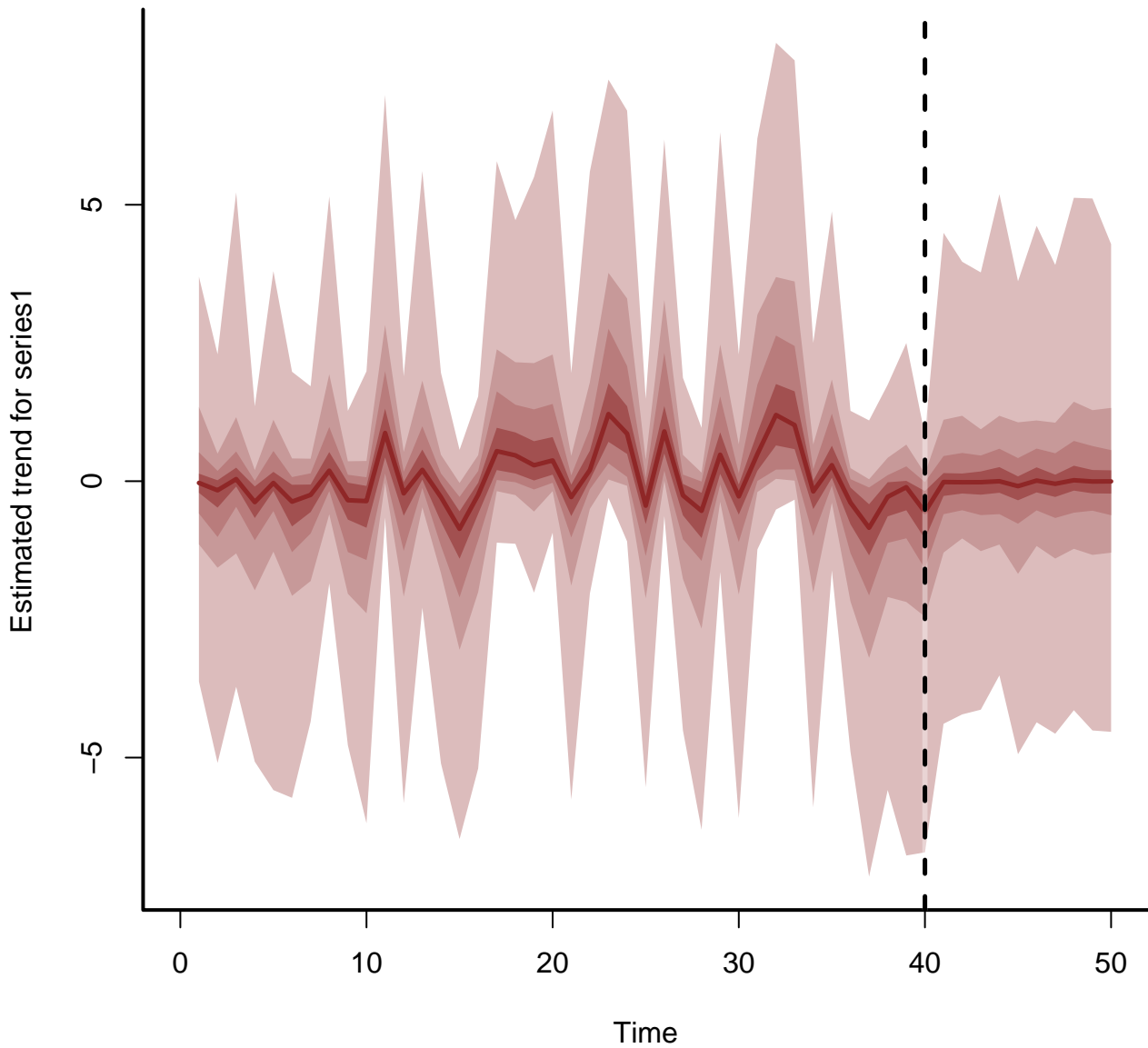




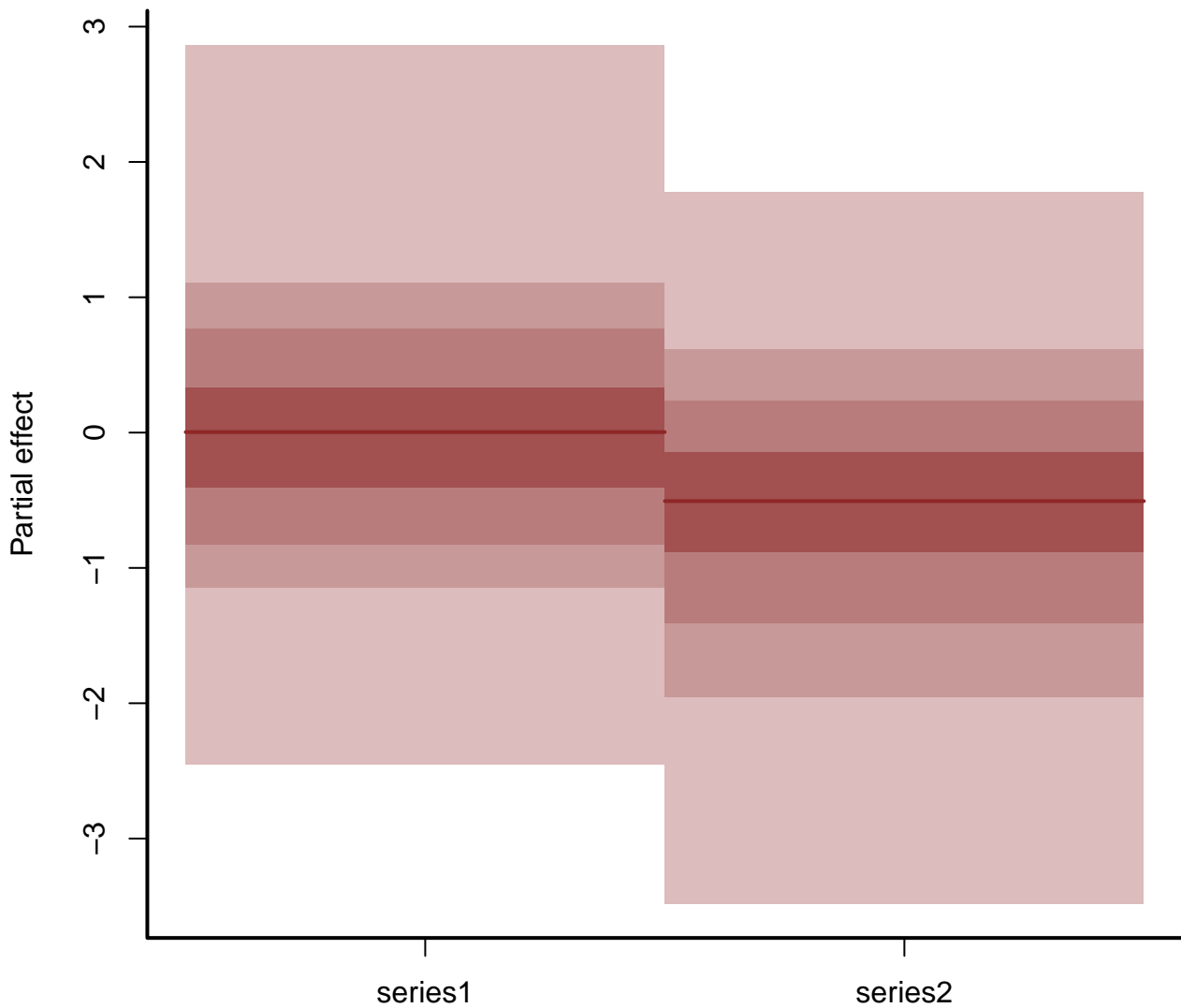




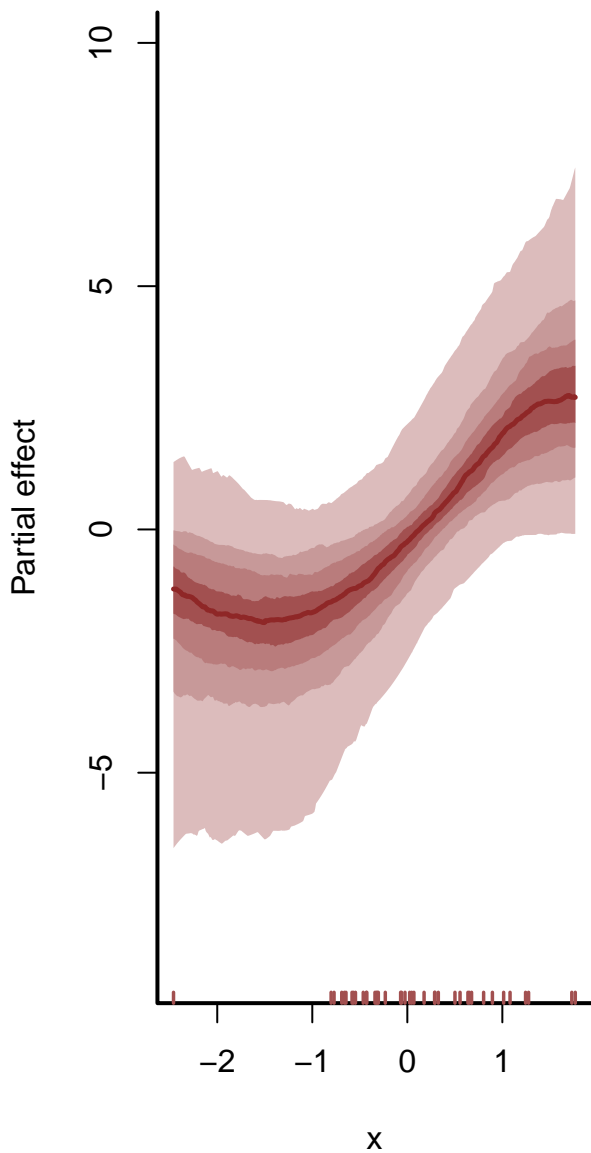




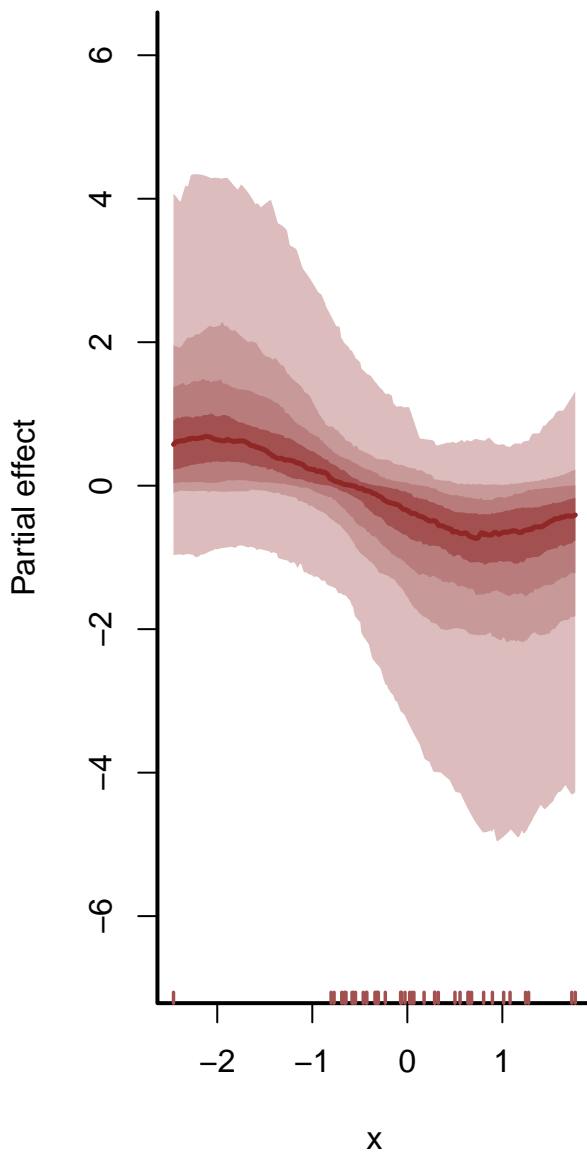
s(series)



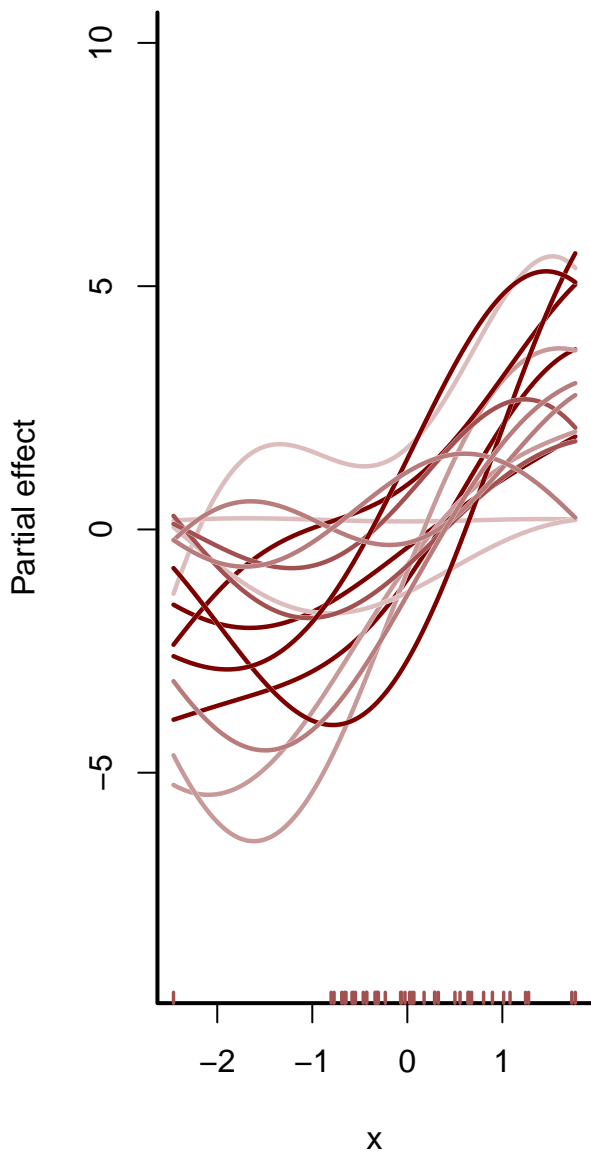
gp(x):series1



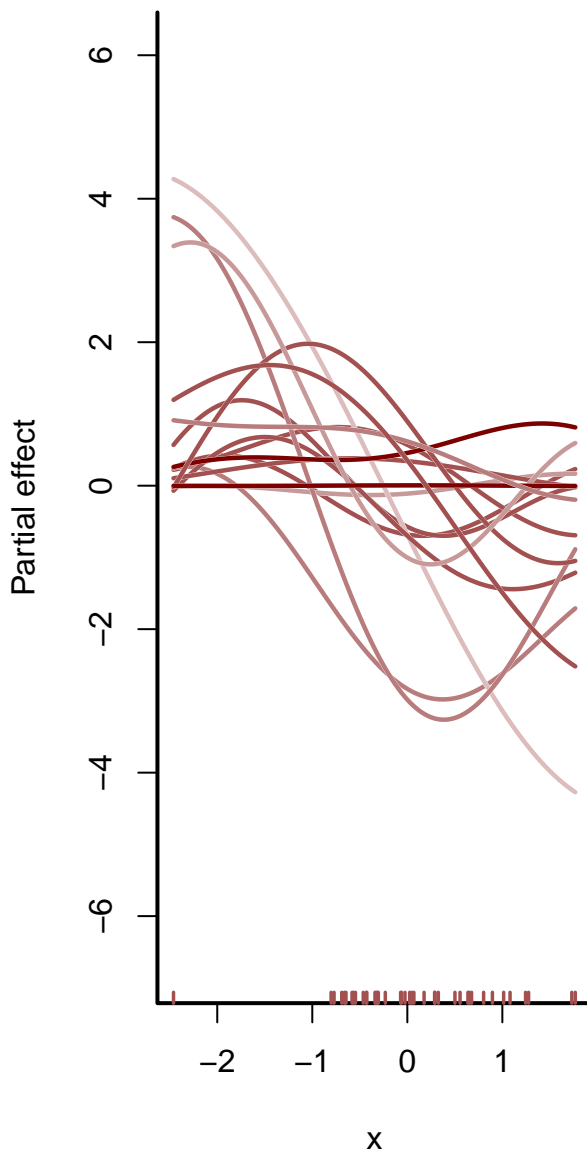
gp(x):series2



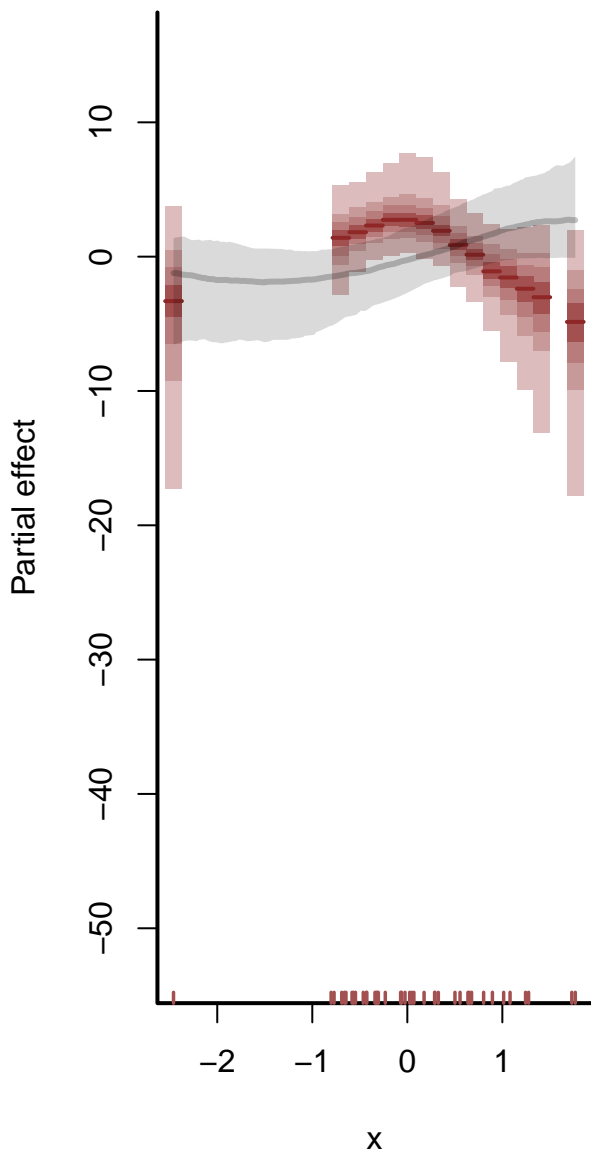
gp(x):series1



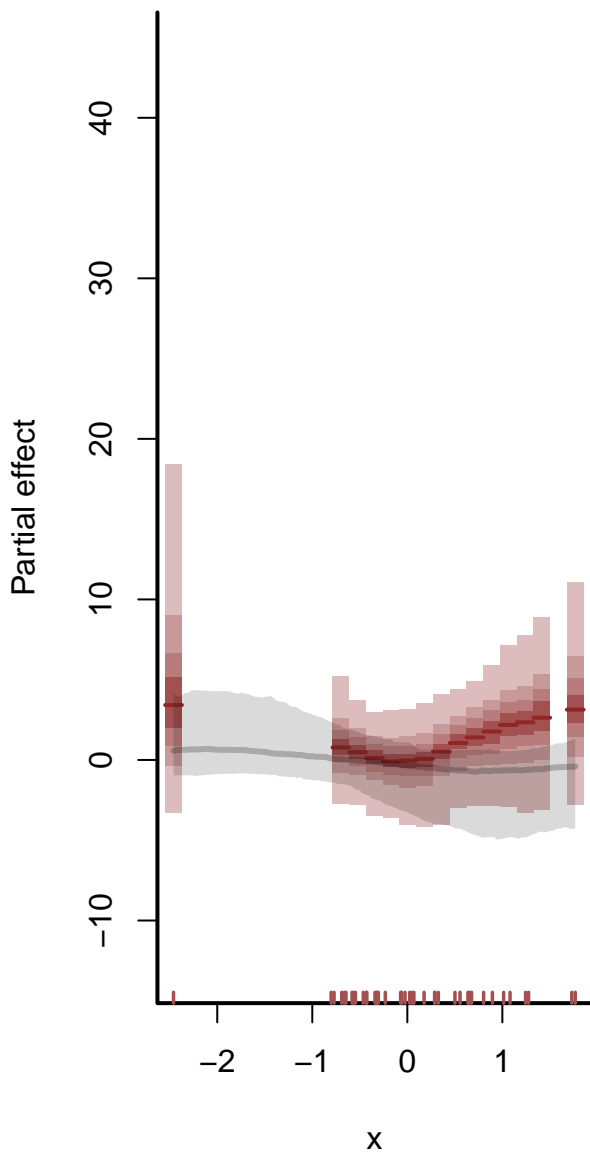
gp(x):series2



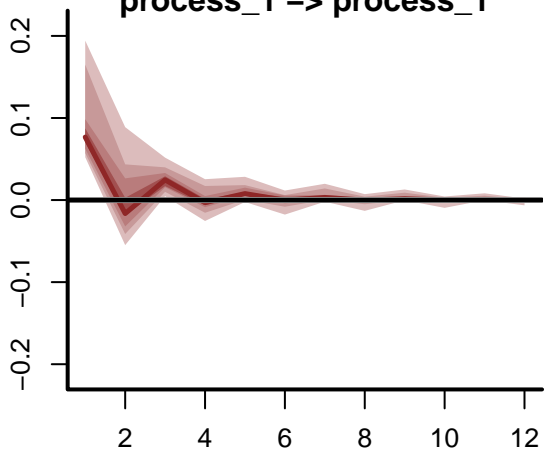
gp(x):series1



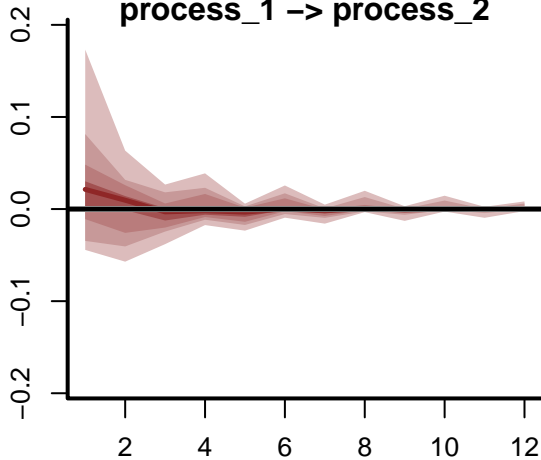
gp(x):series2



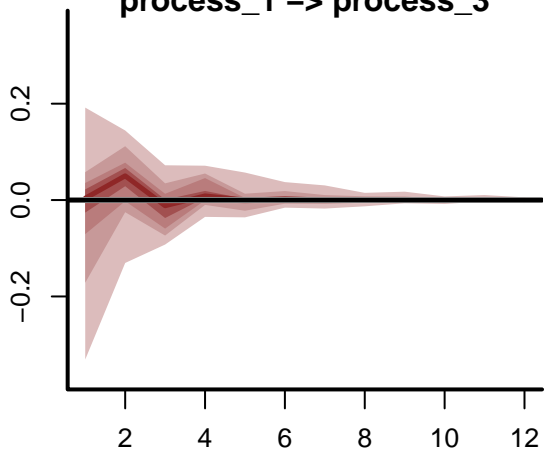
process_1 -> process_1

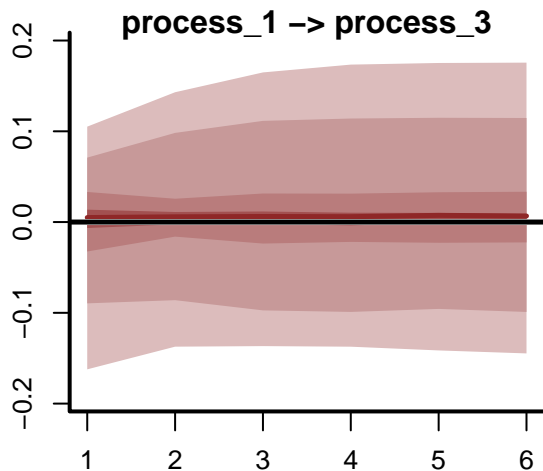
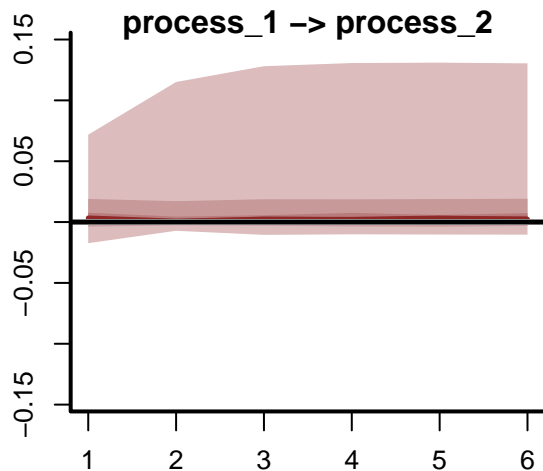
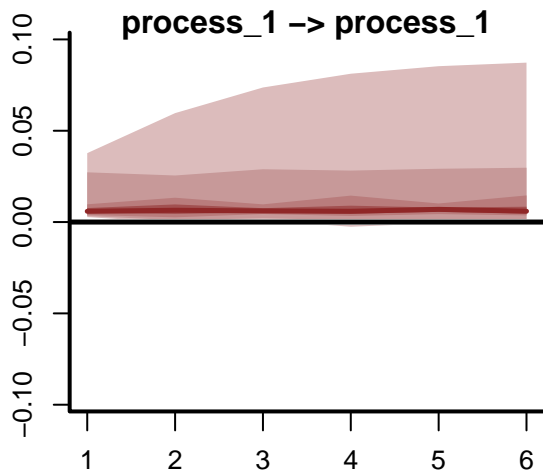


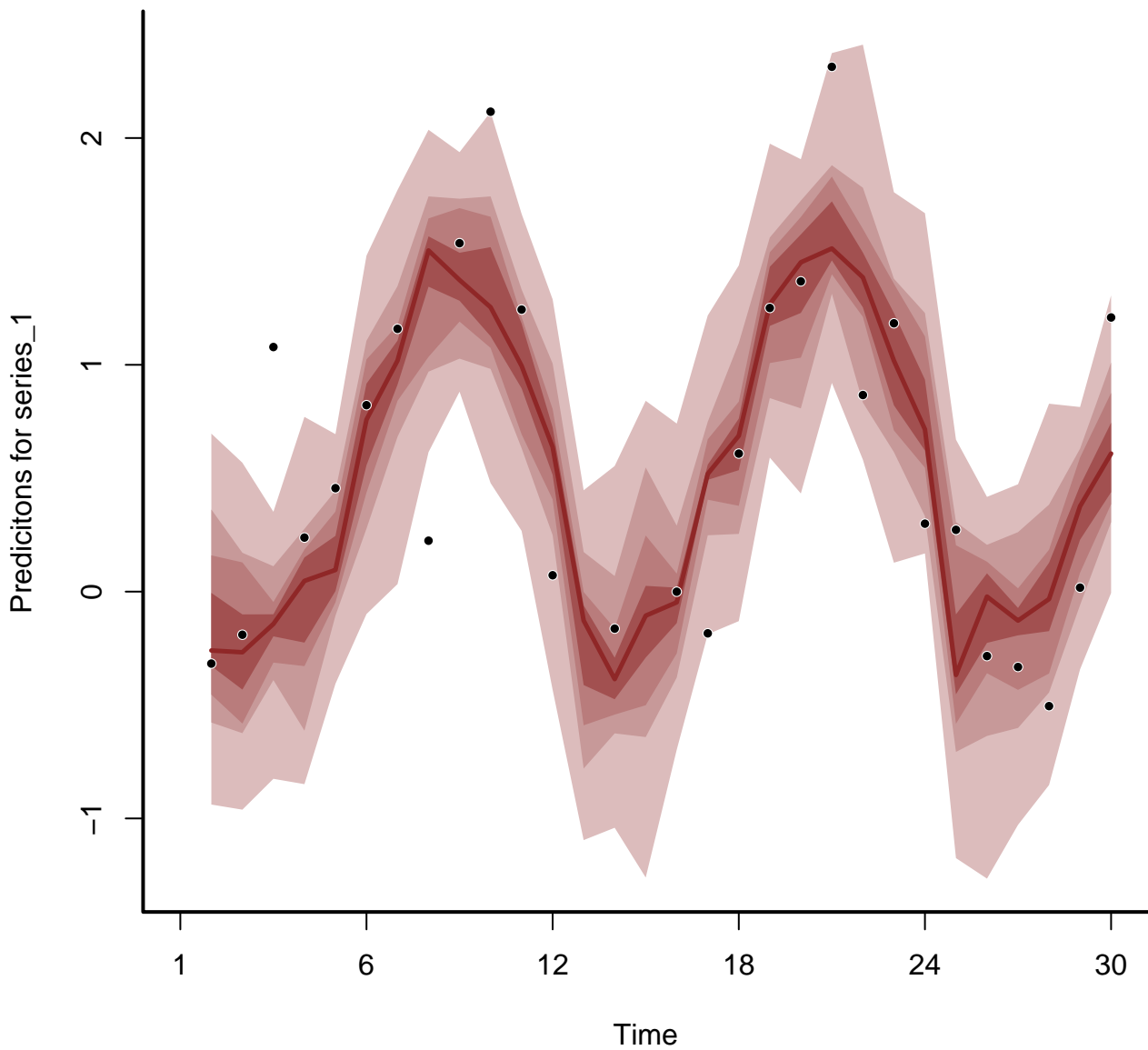
process_1 -> process_2

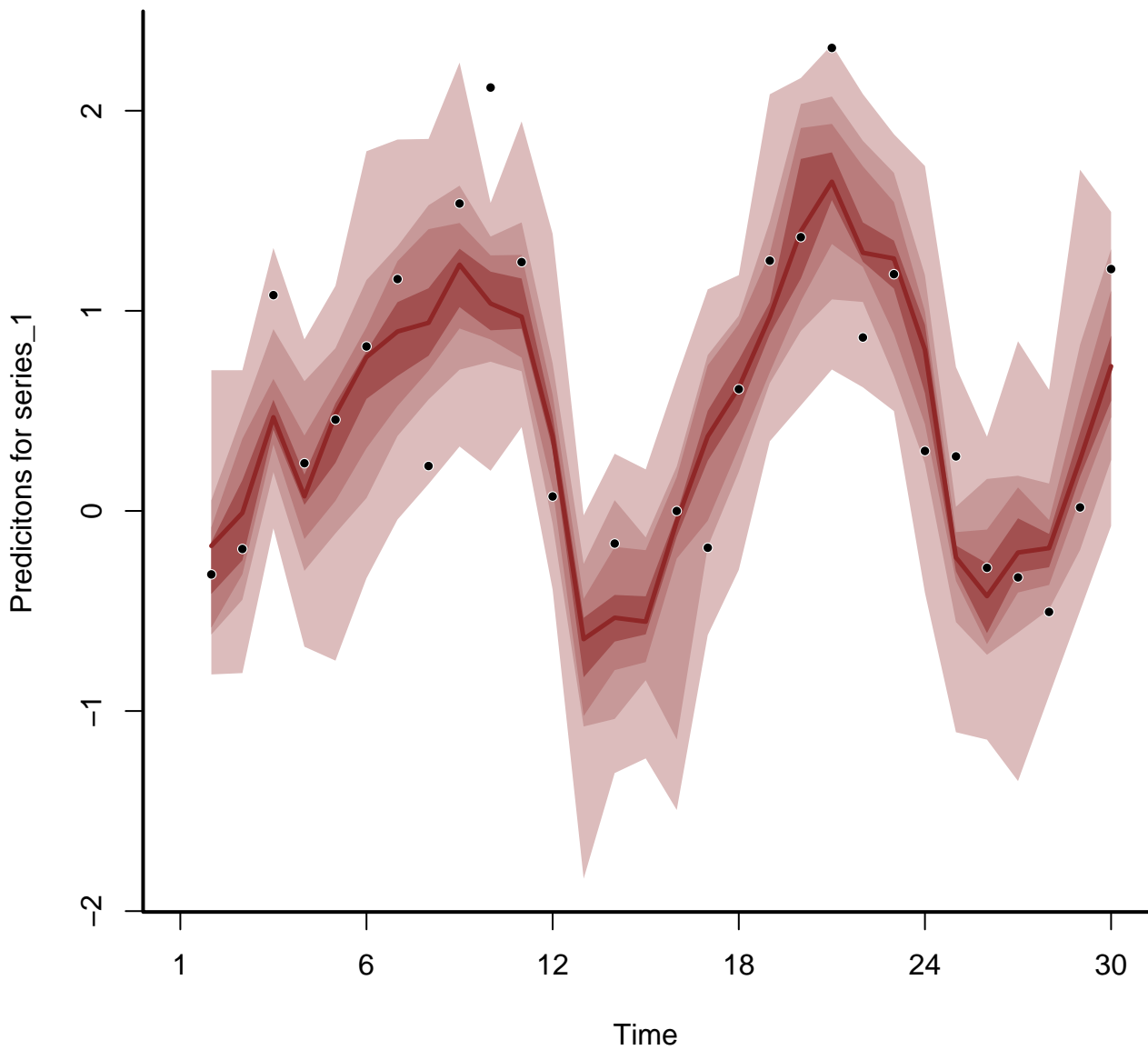


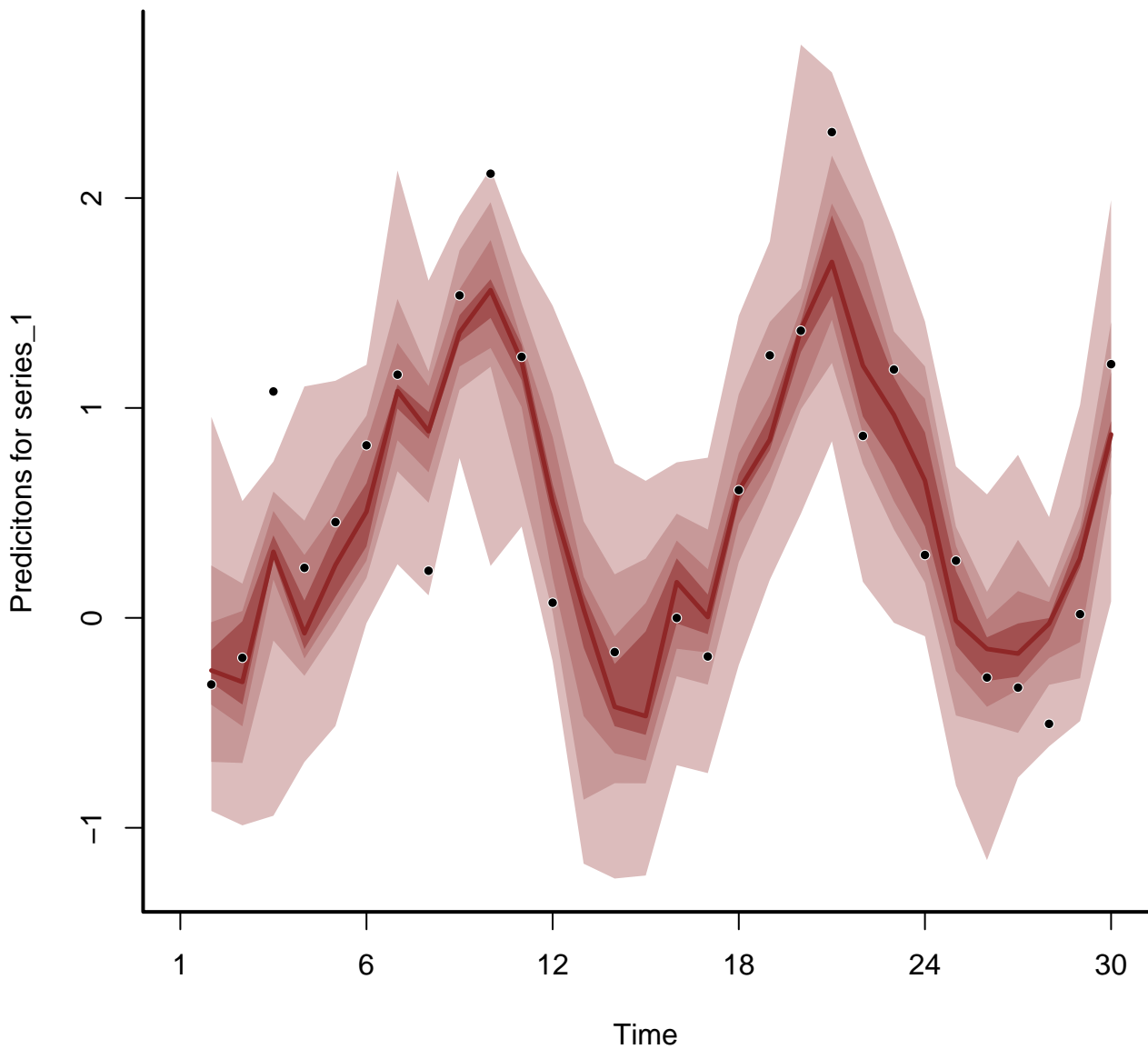
process_1 -> process_3



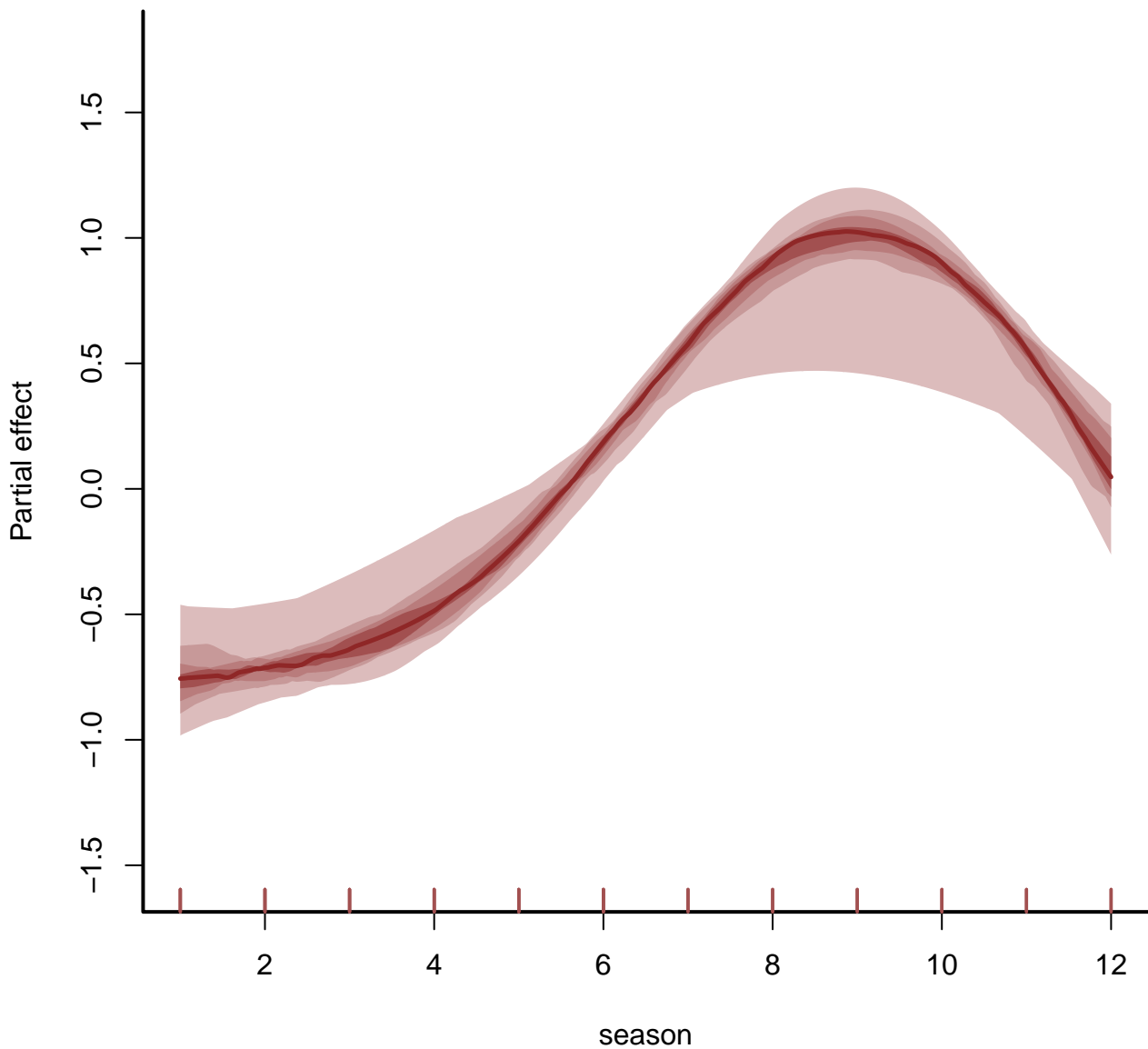




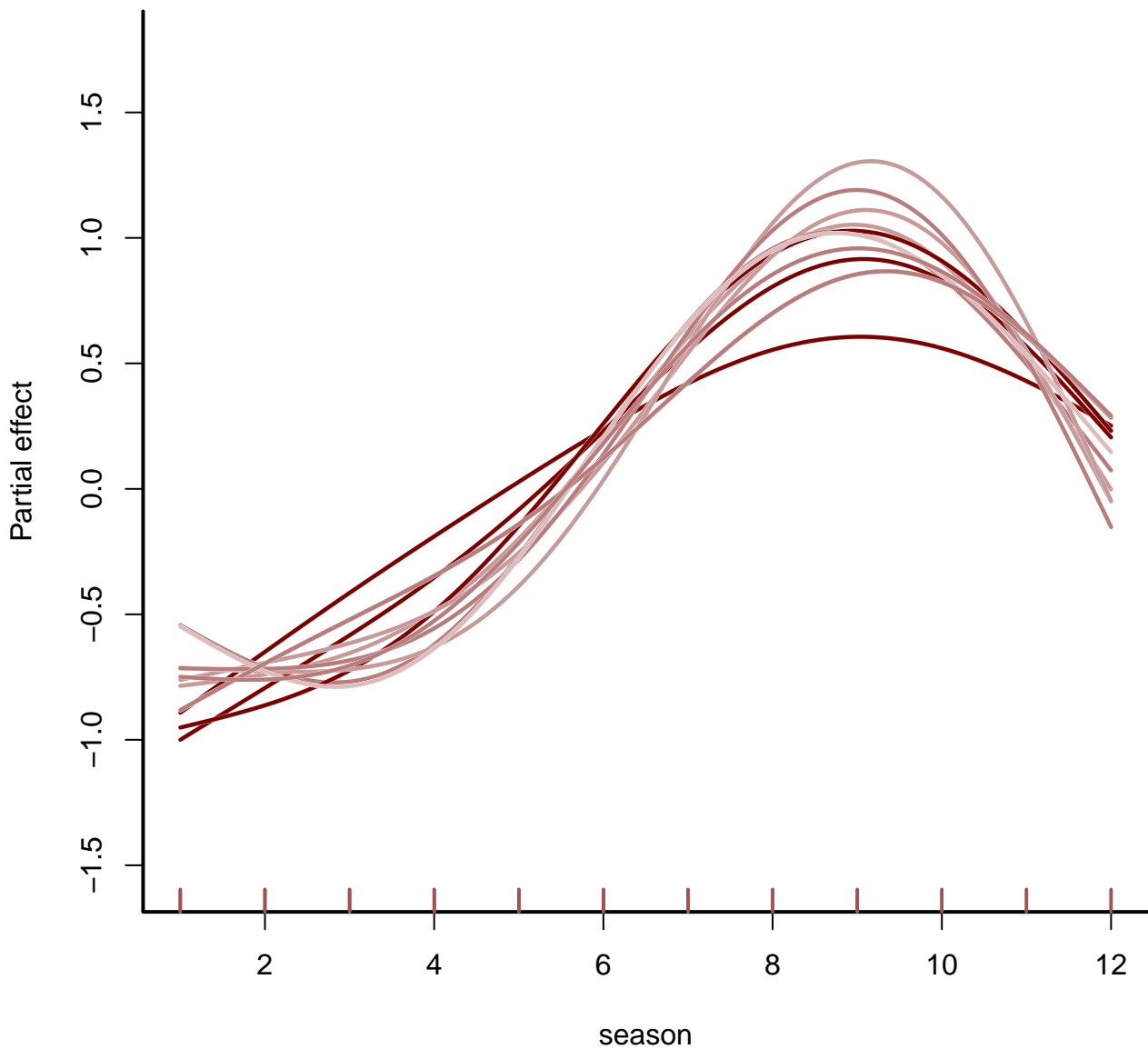




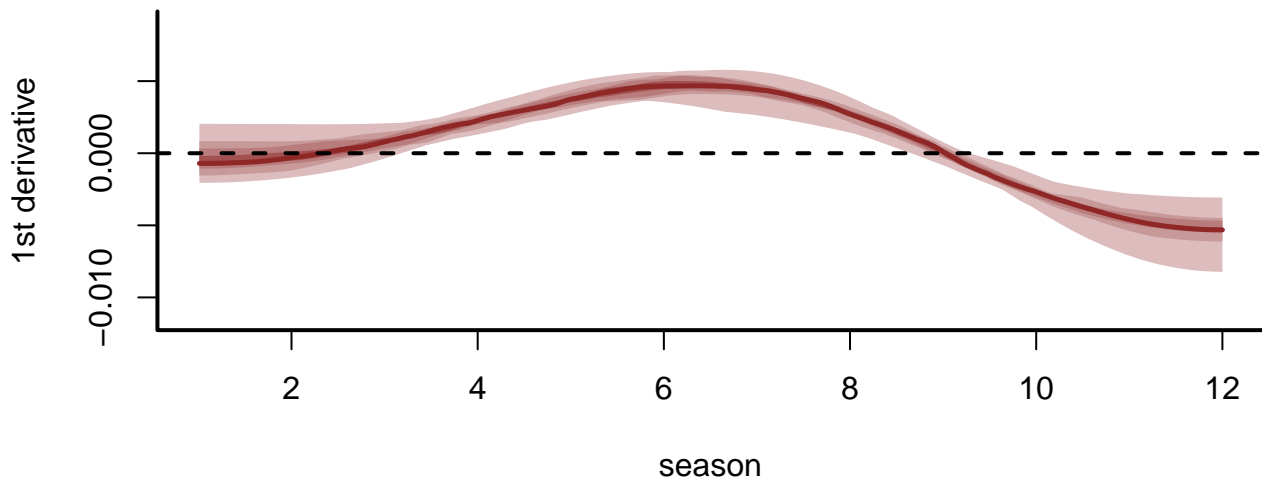
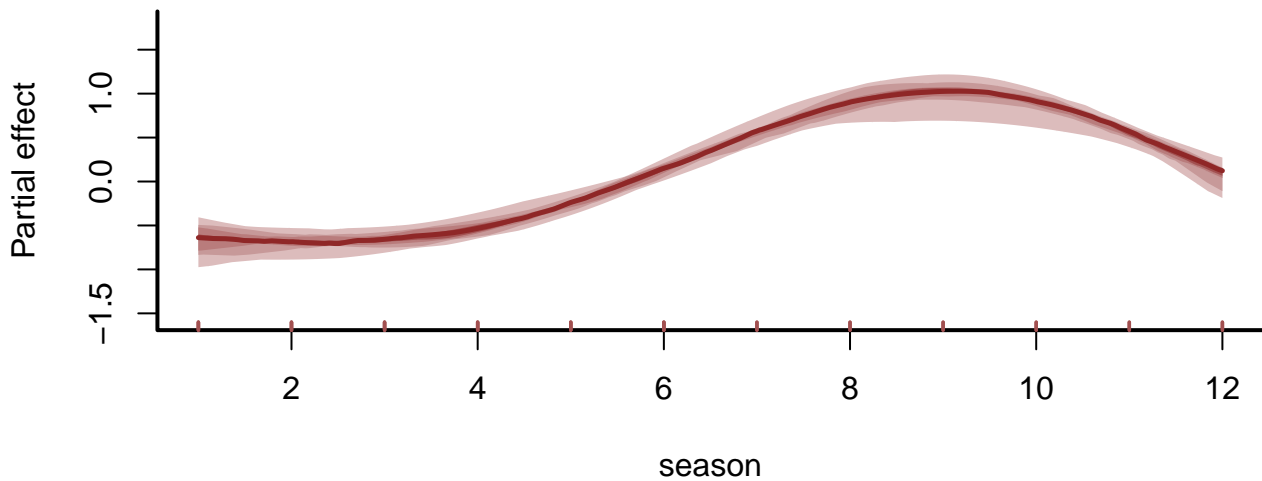
s(season)



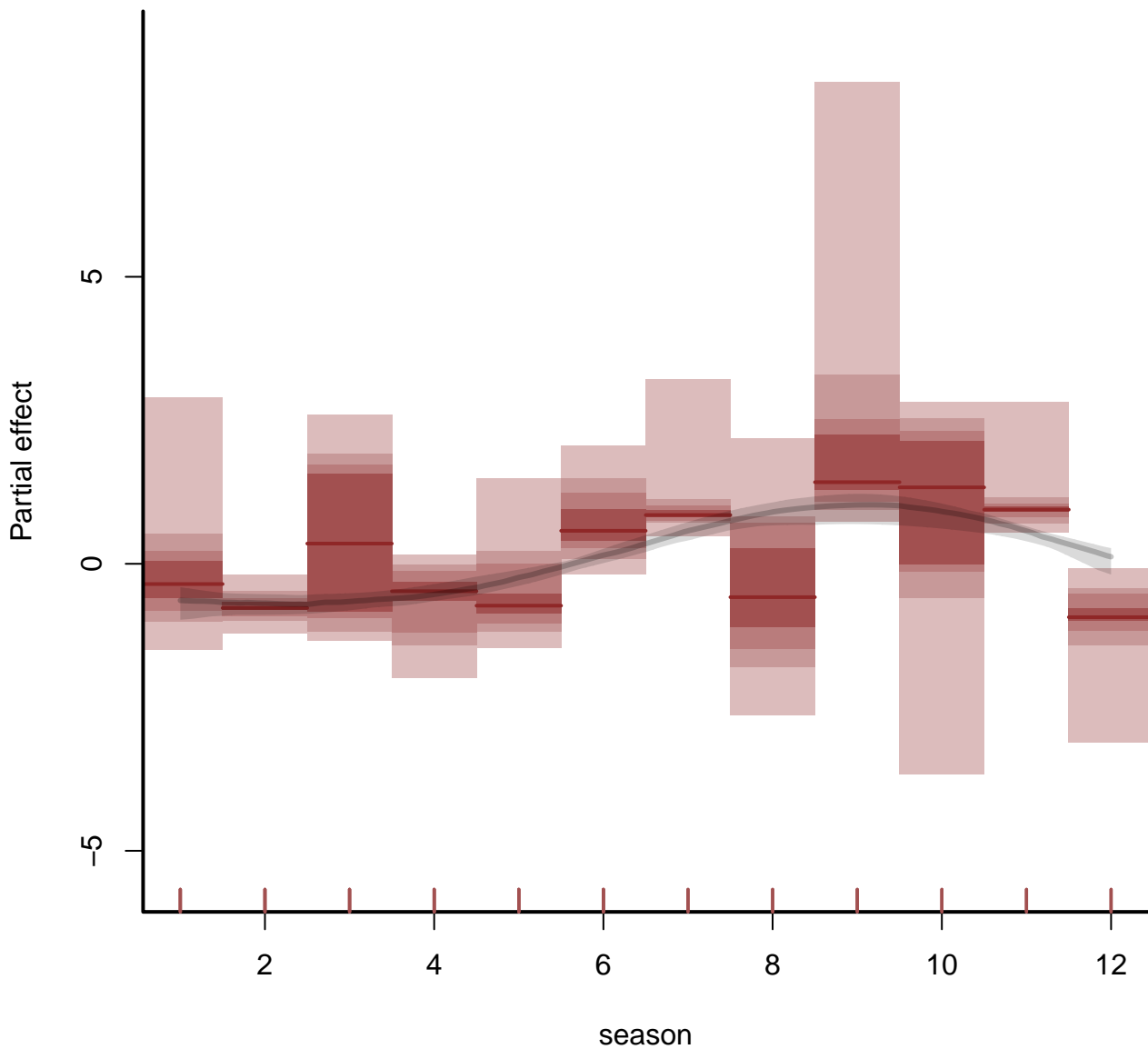
s(season)



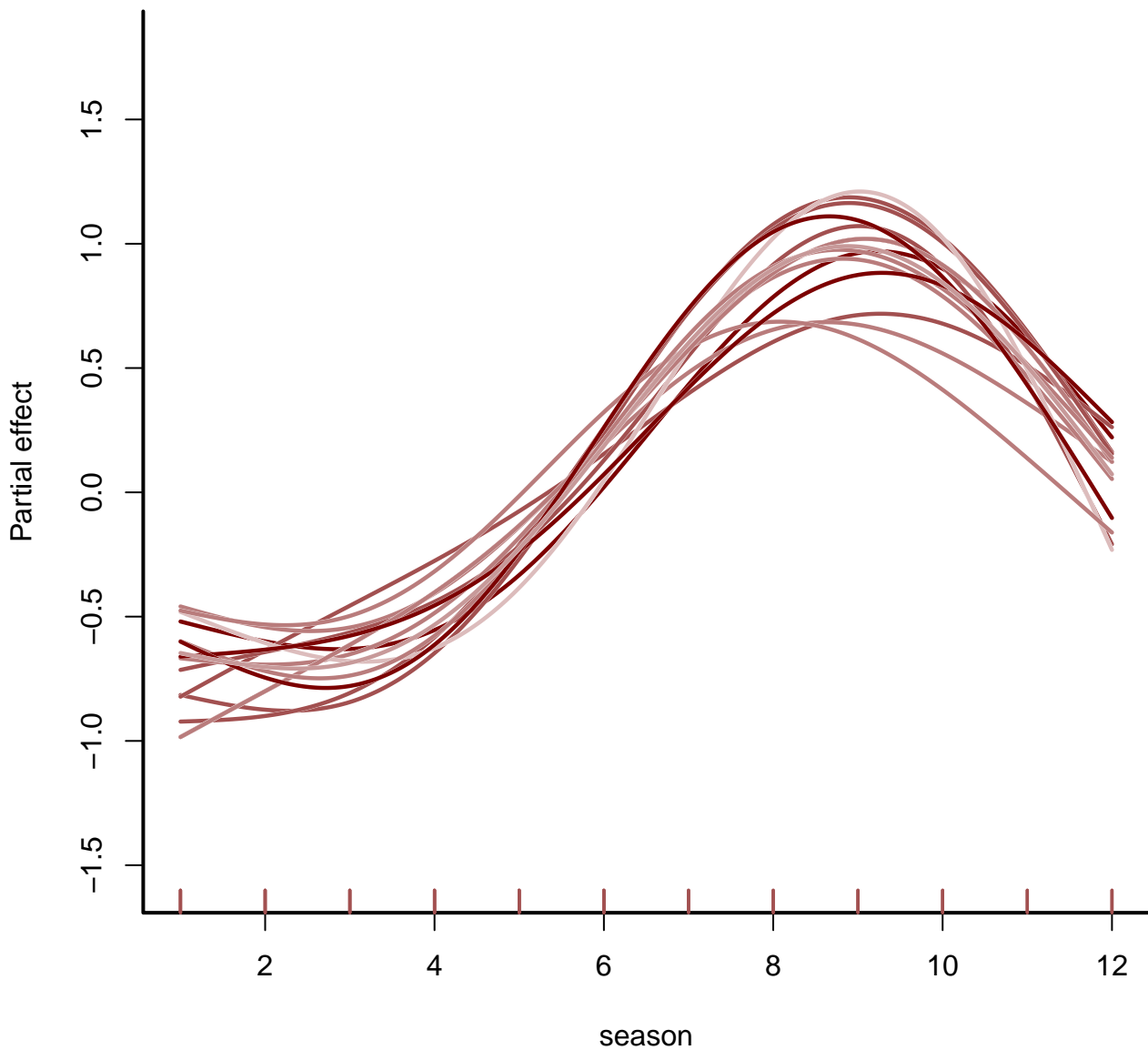
s(season)



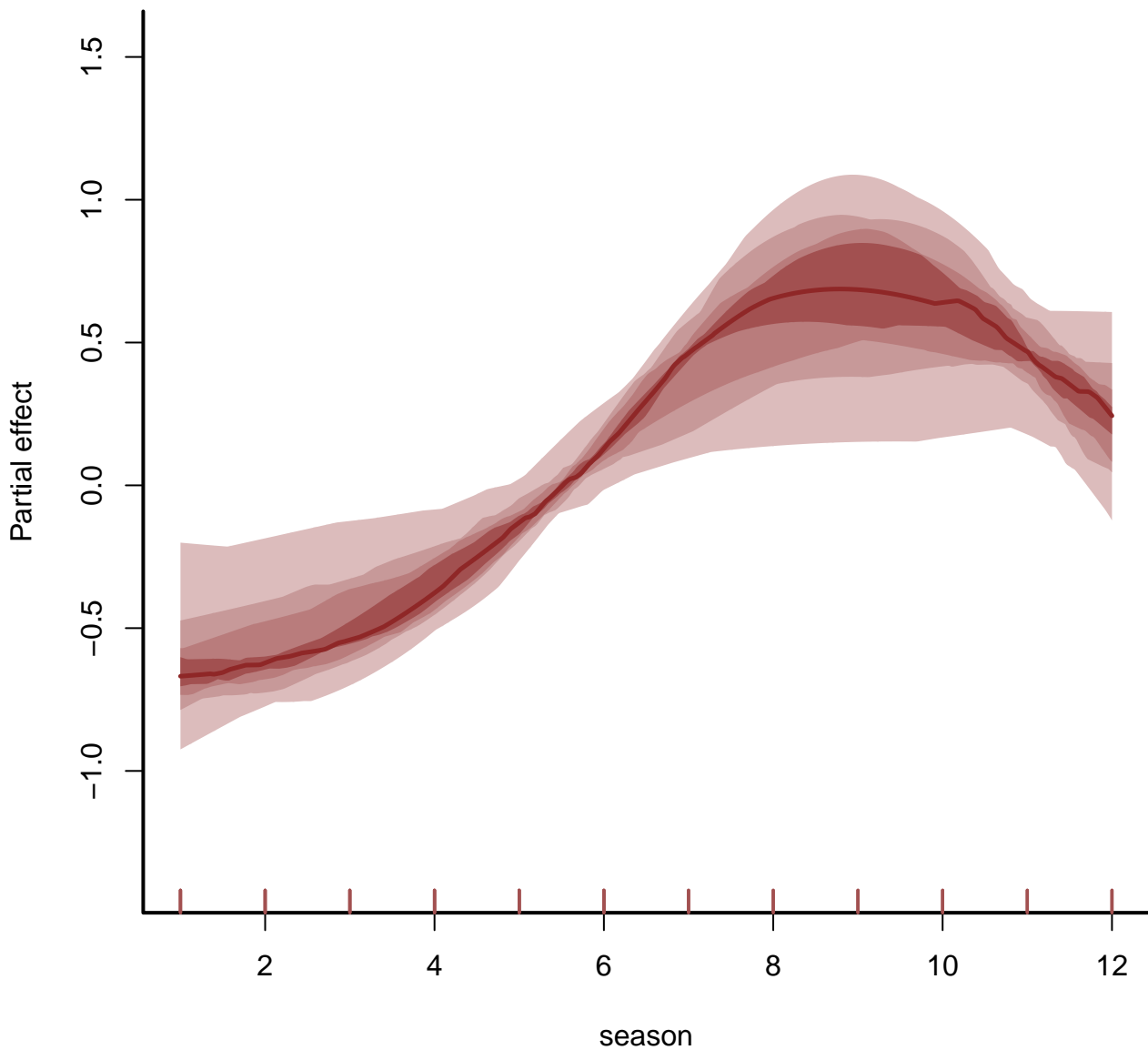
s(season)



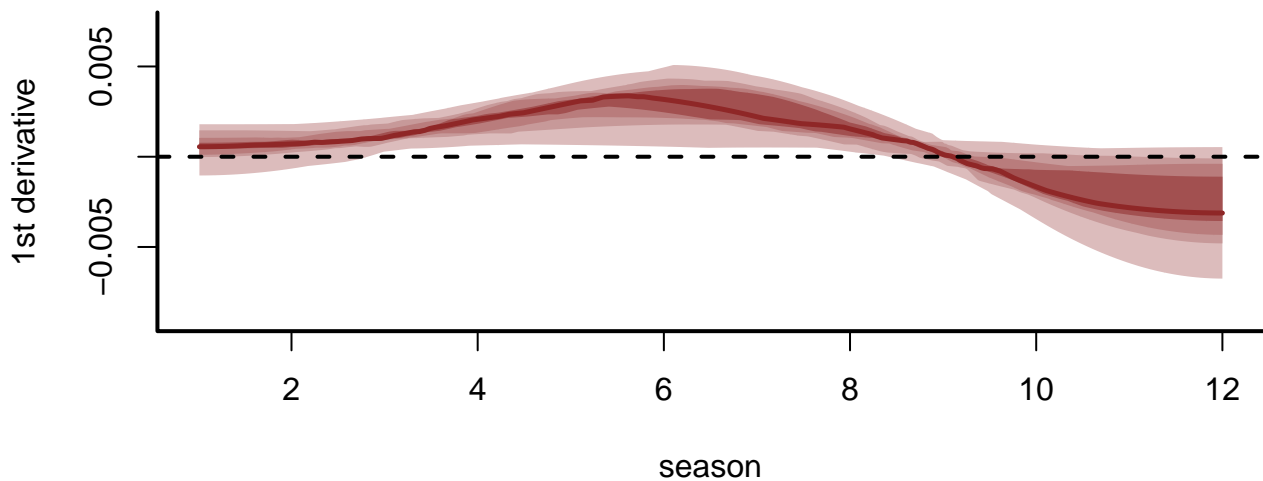
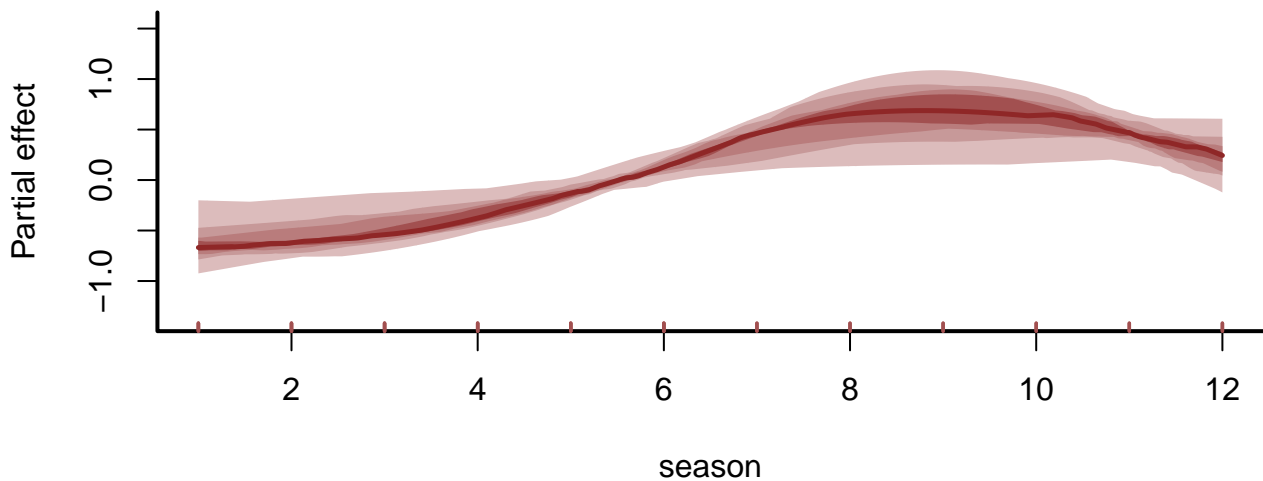
s(season)



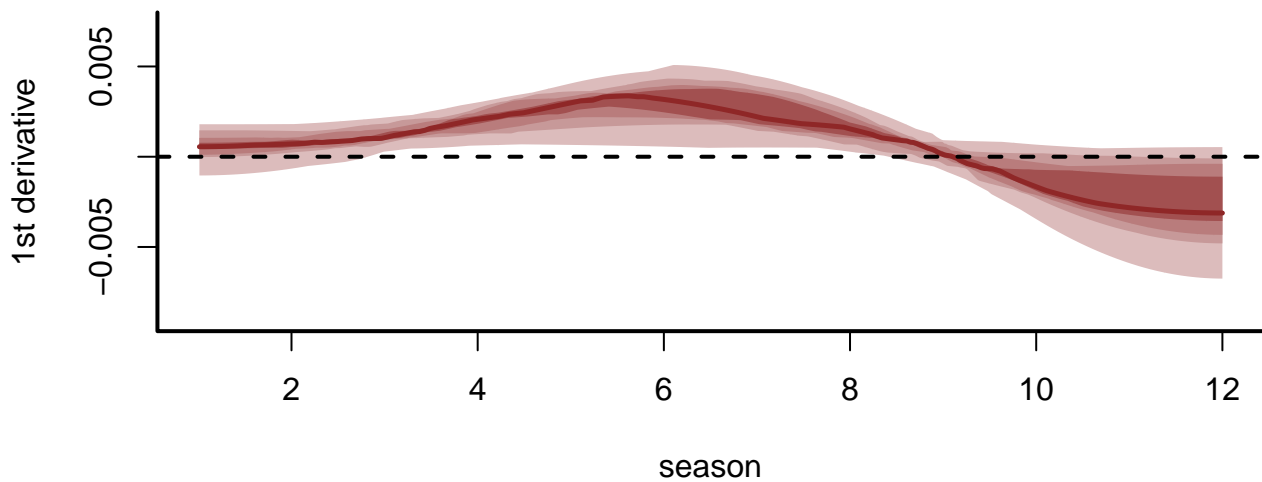
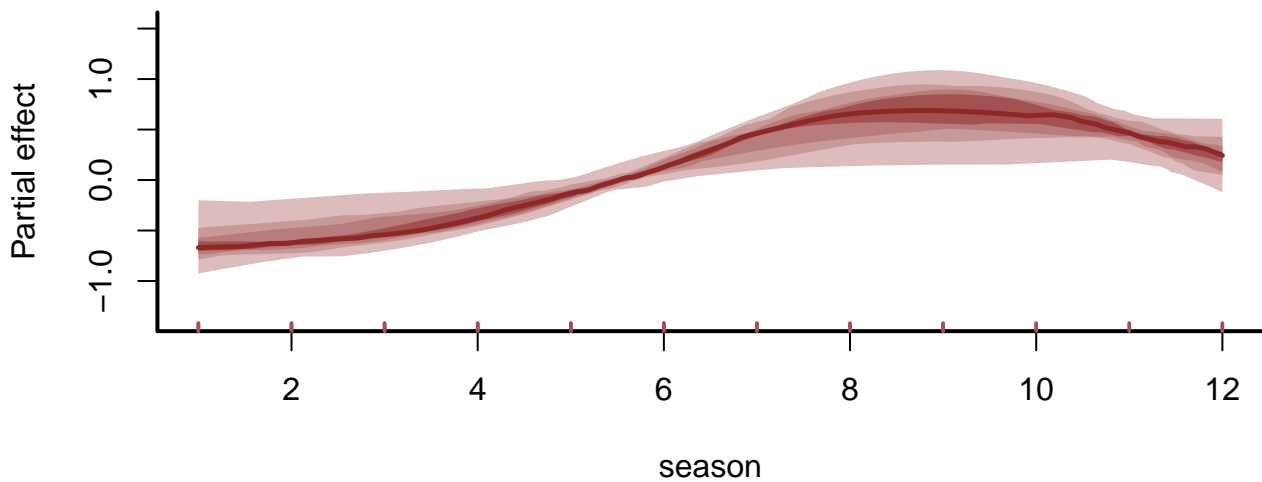
s(season)



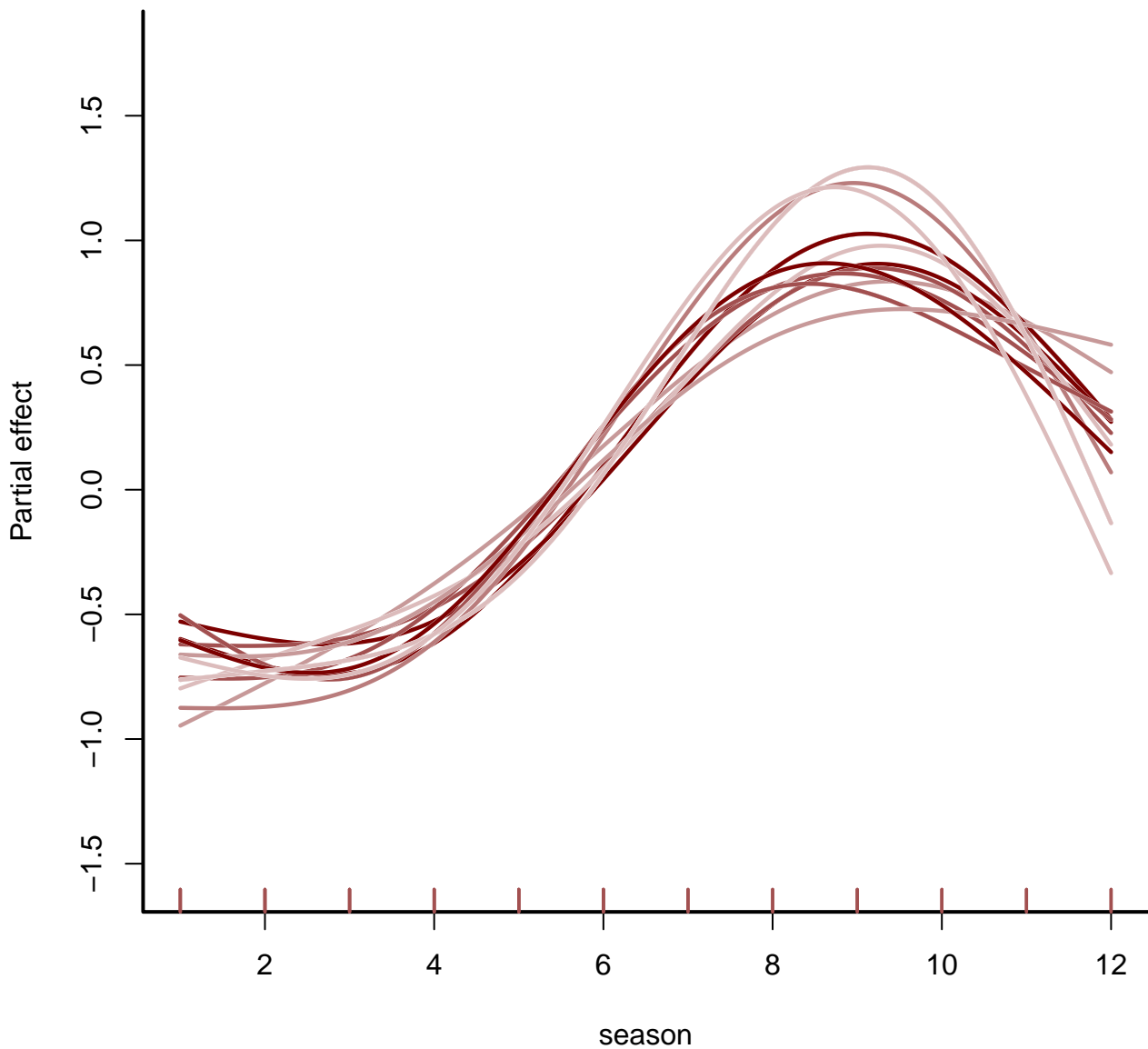
s(season)



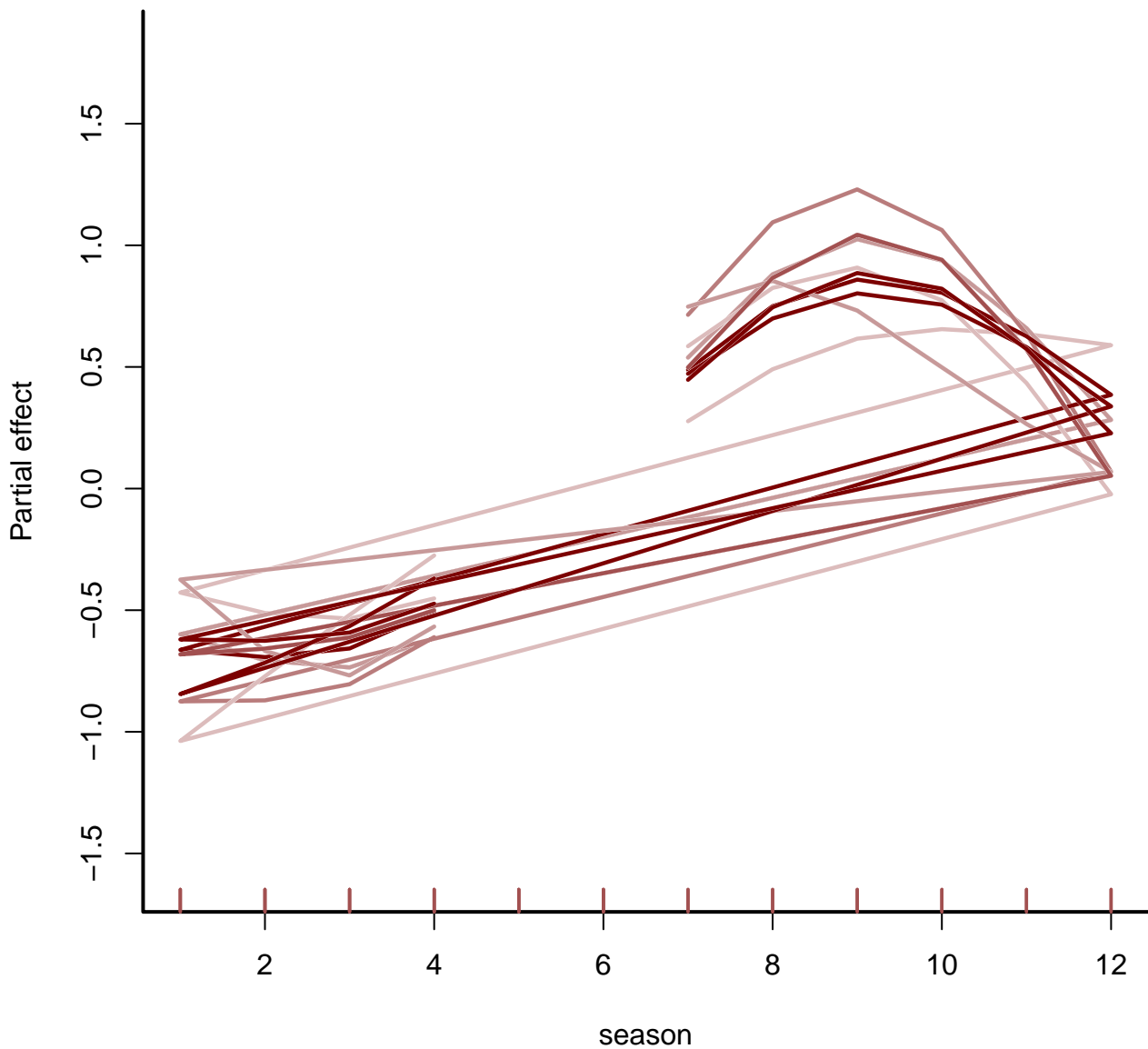
s(season)

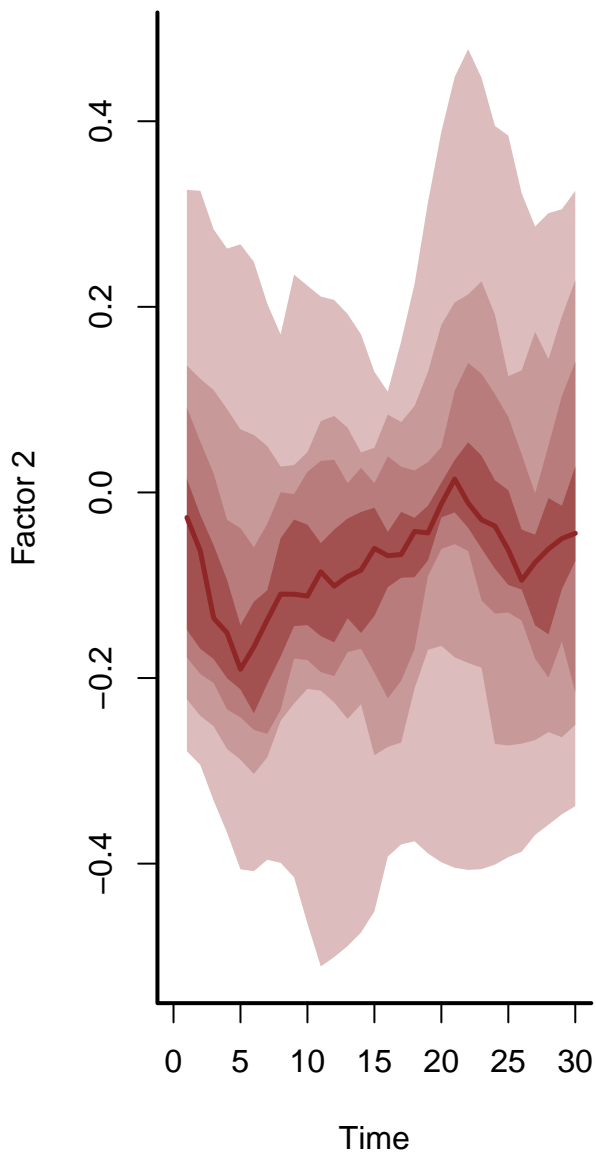
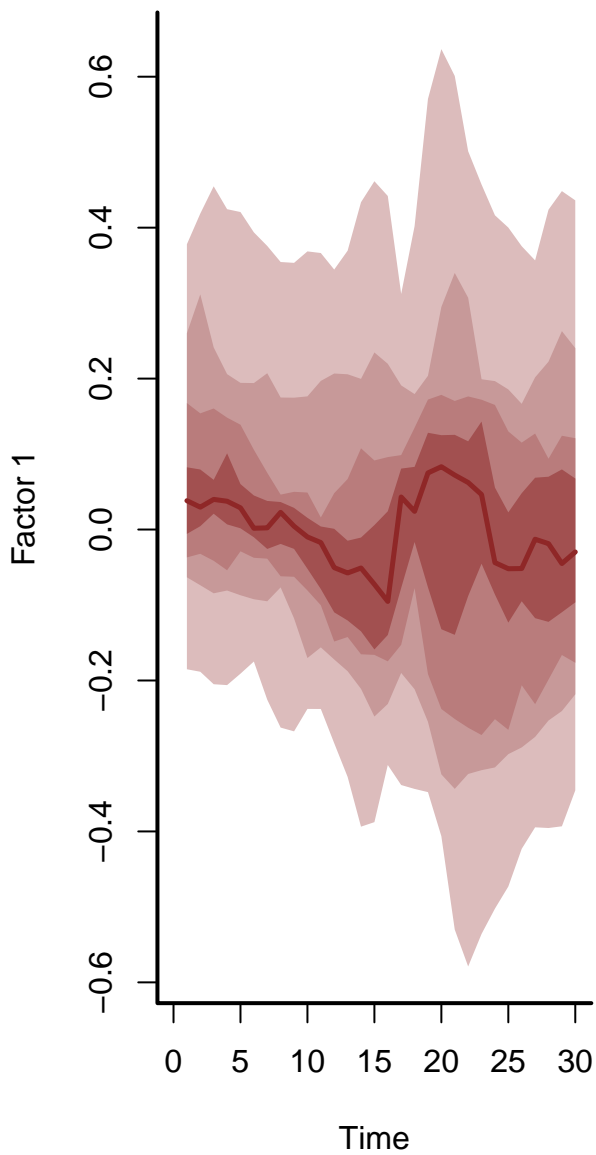


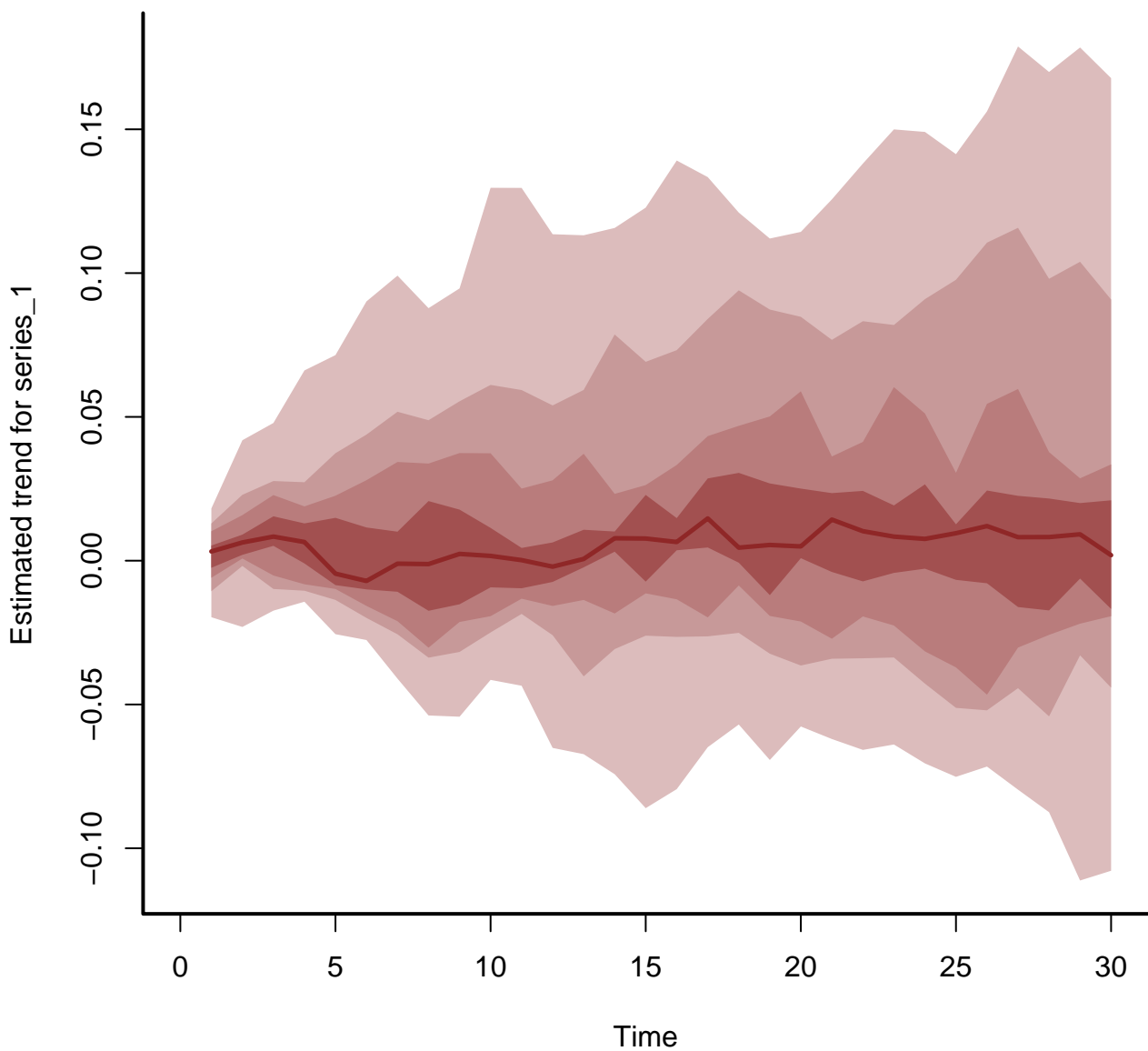
s(season)

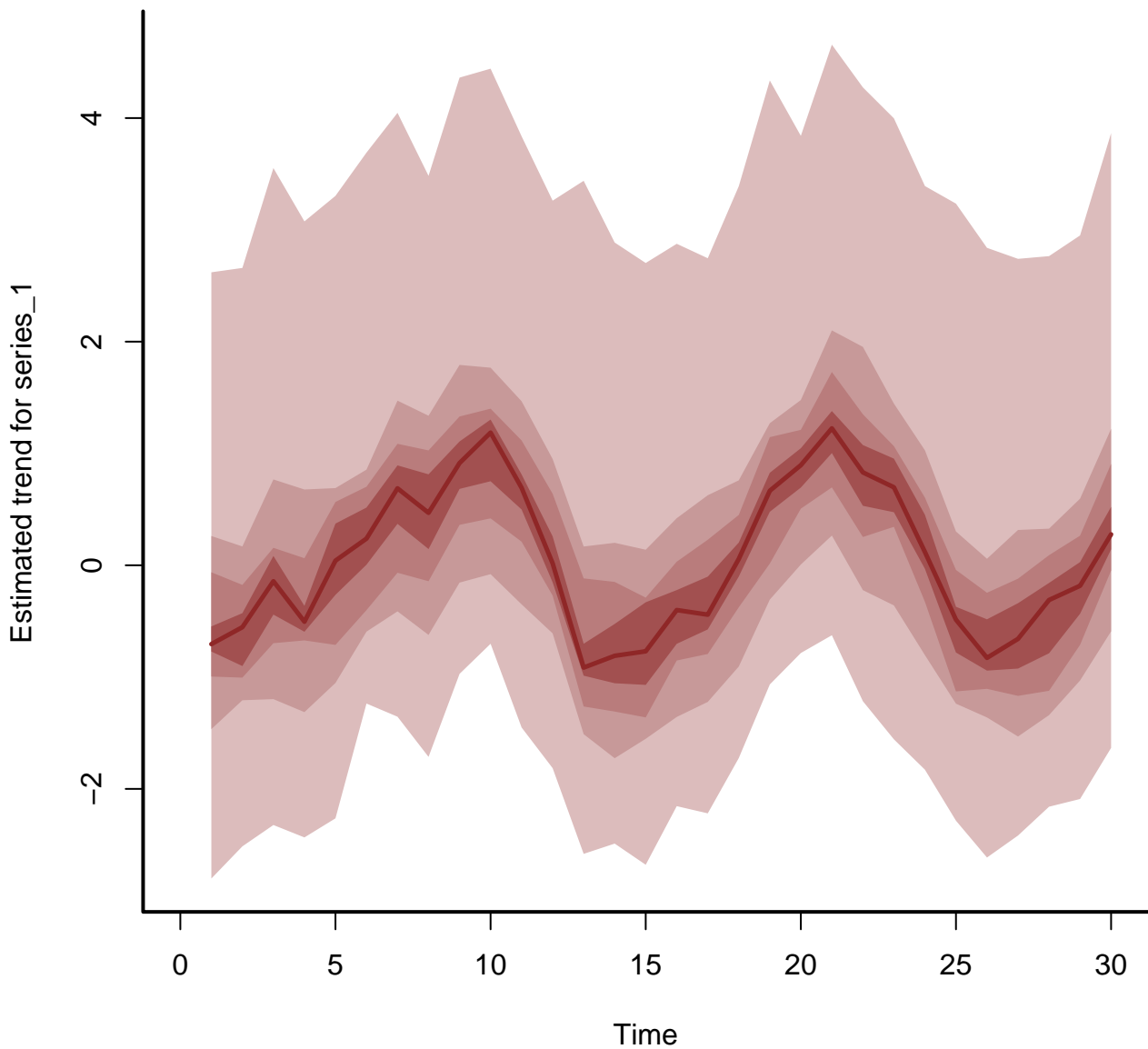


s(season)

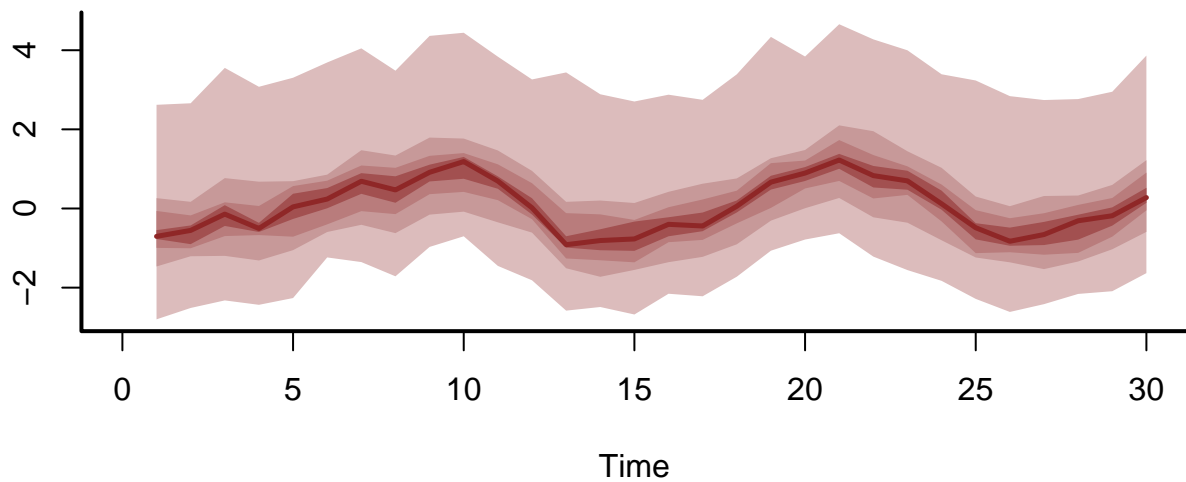




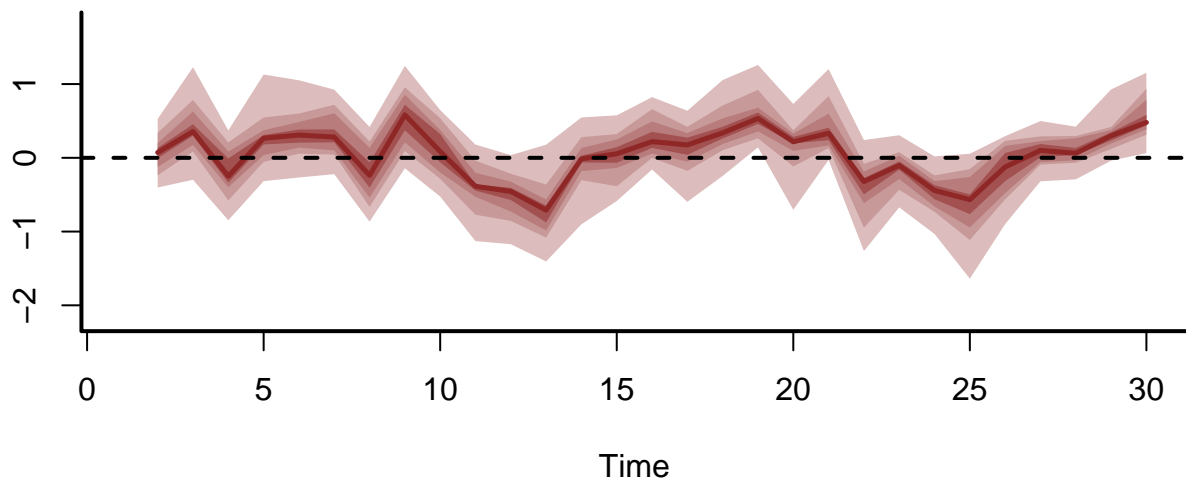


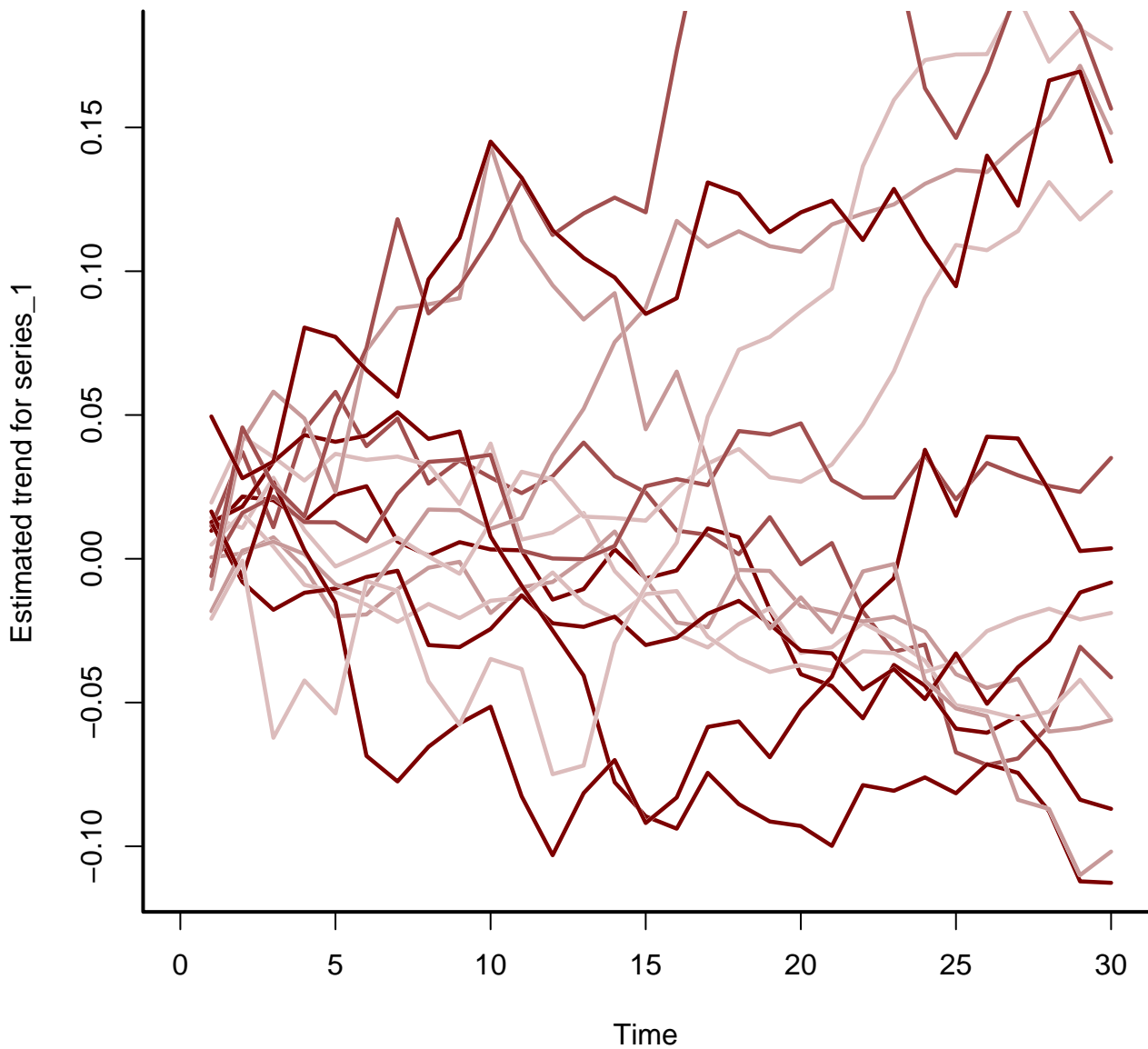


Estimated trend for series_1

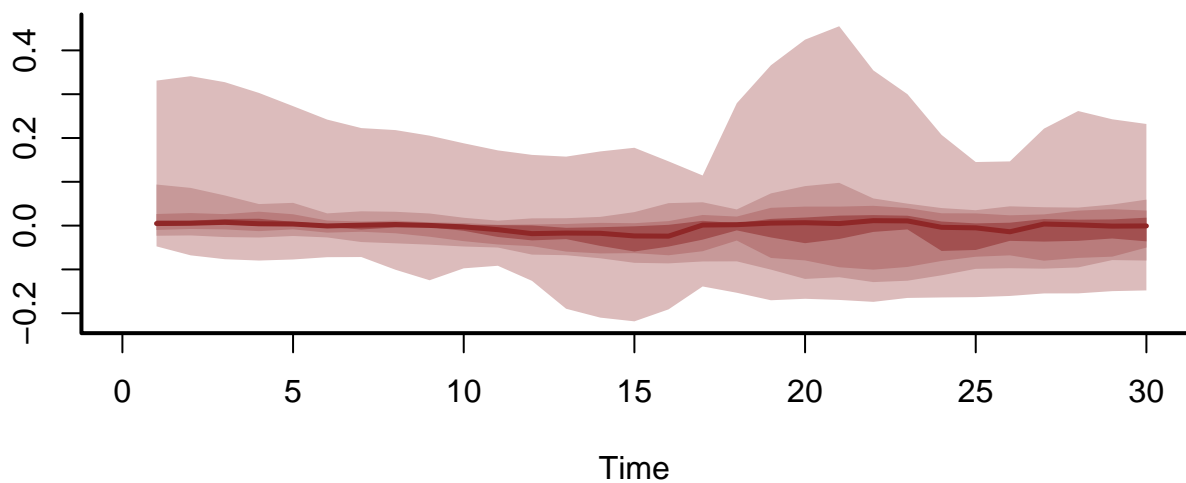


1st derivative

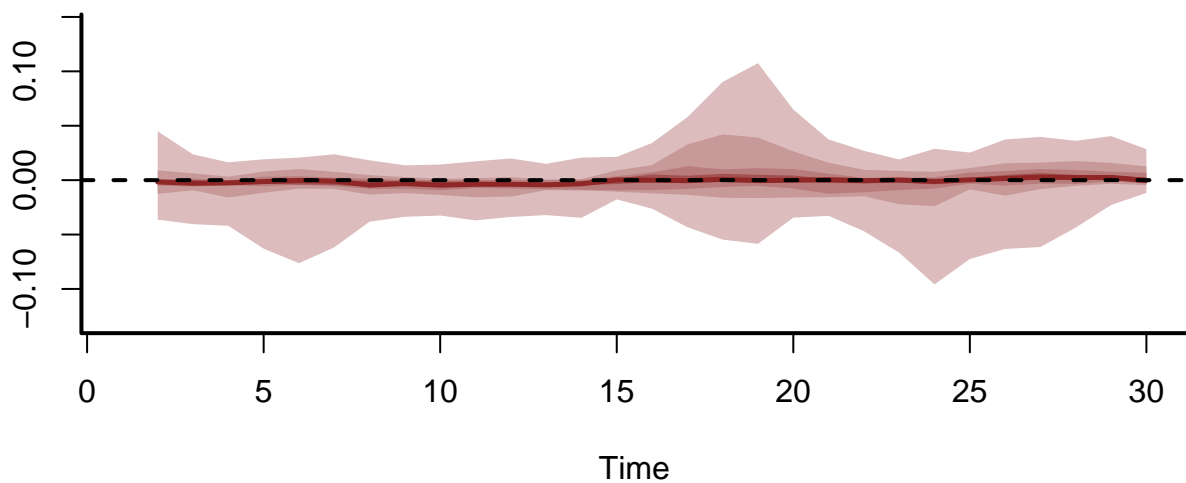


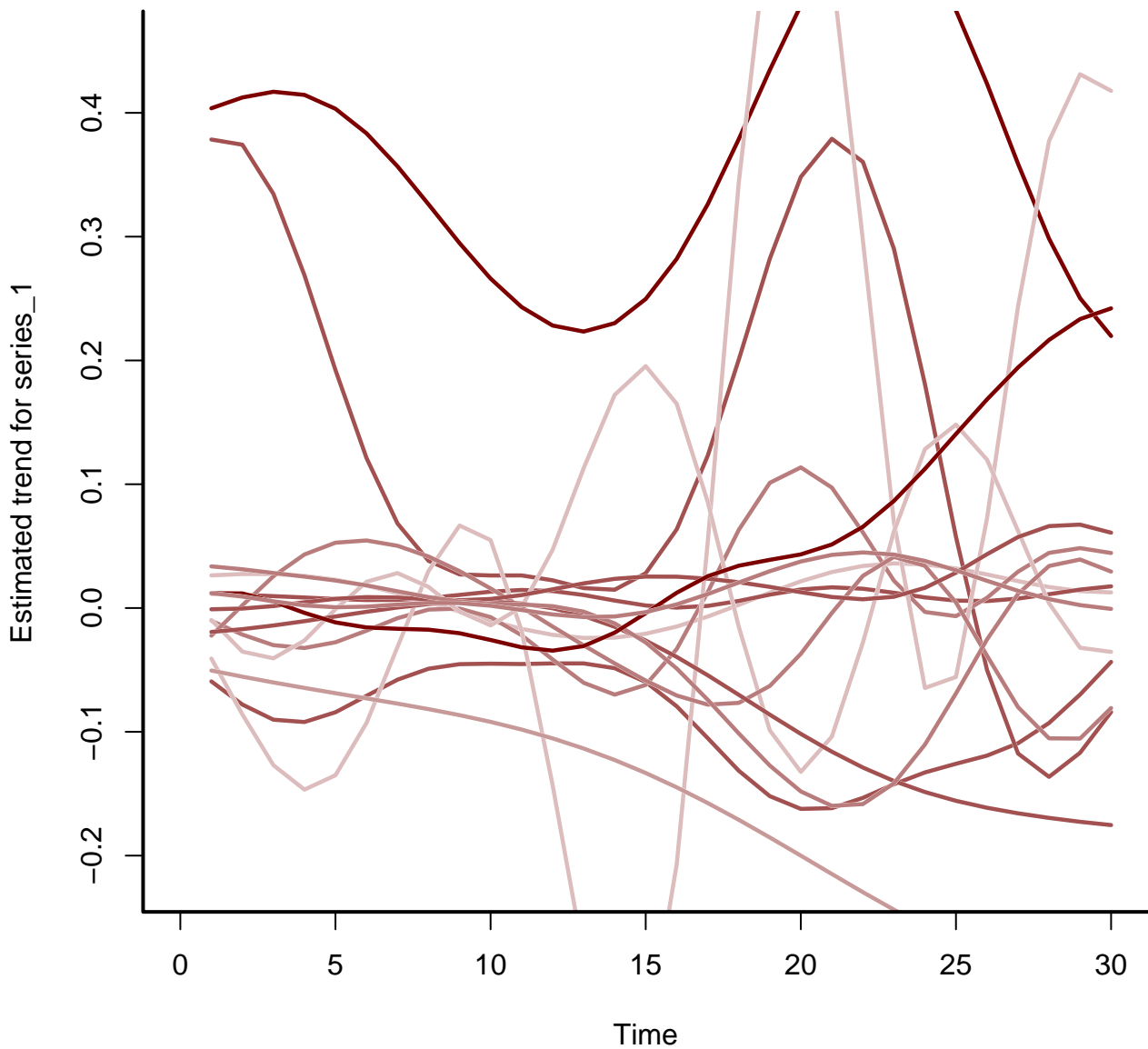


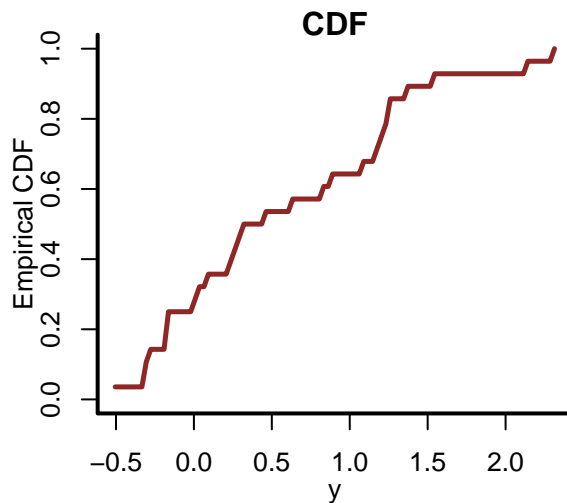
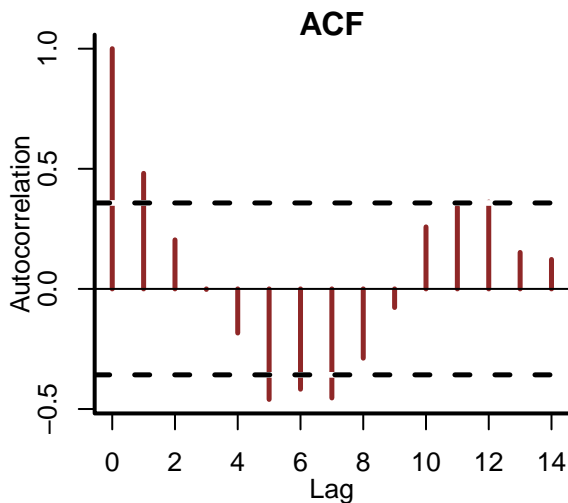
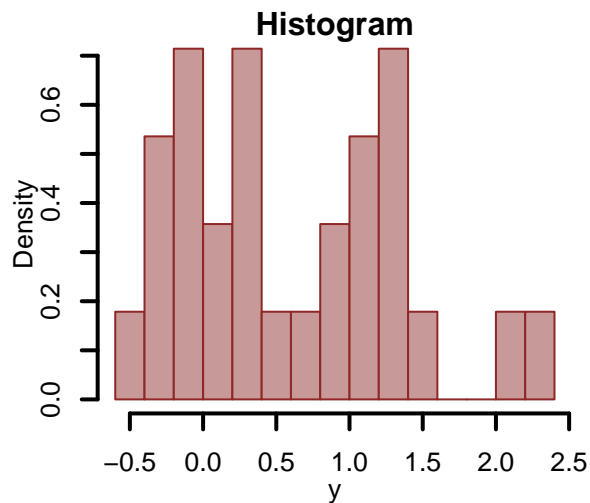
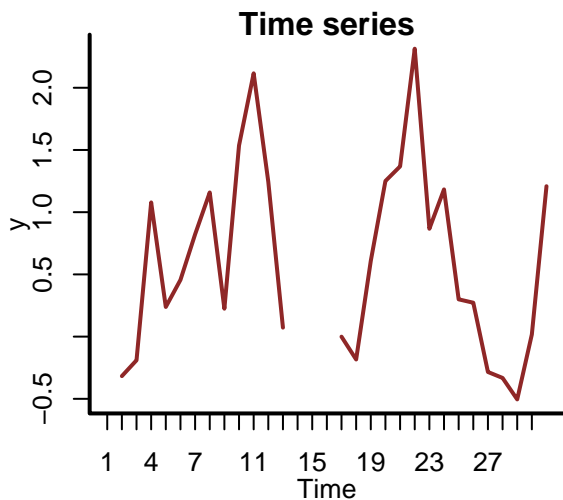
Estimated trend for series_1

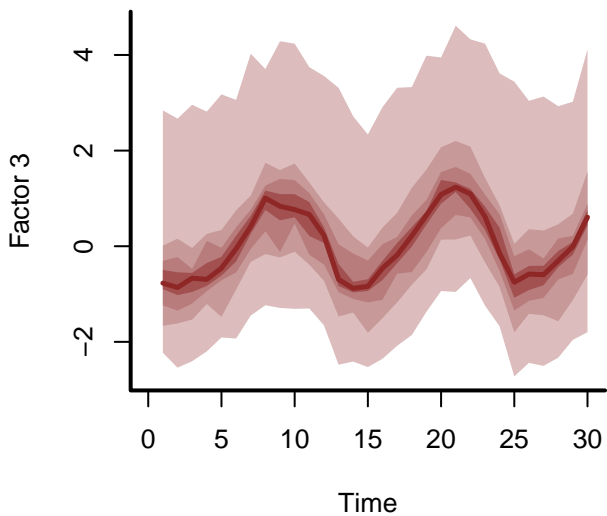
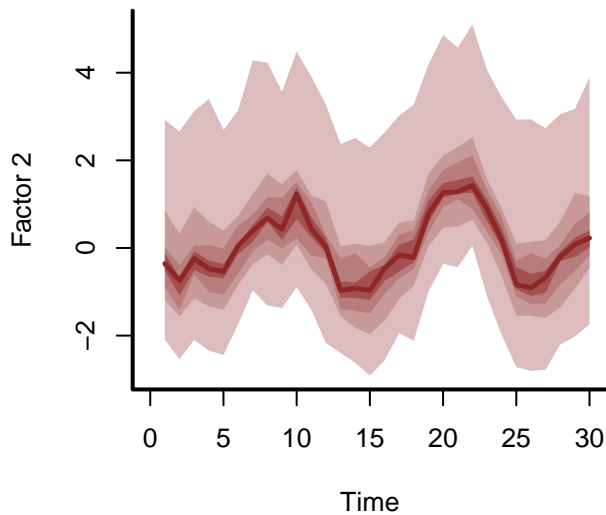
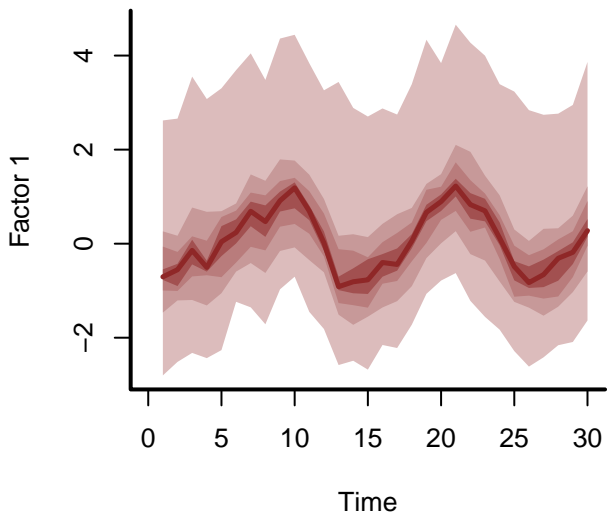


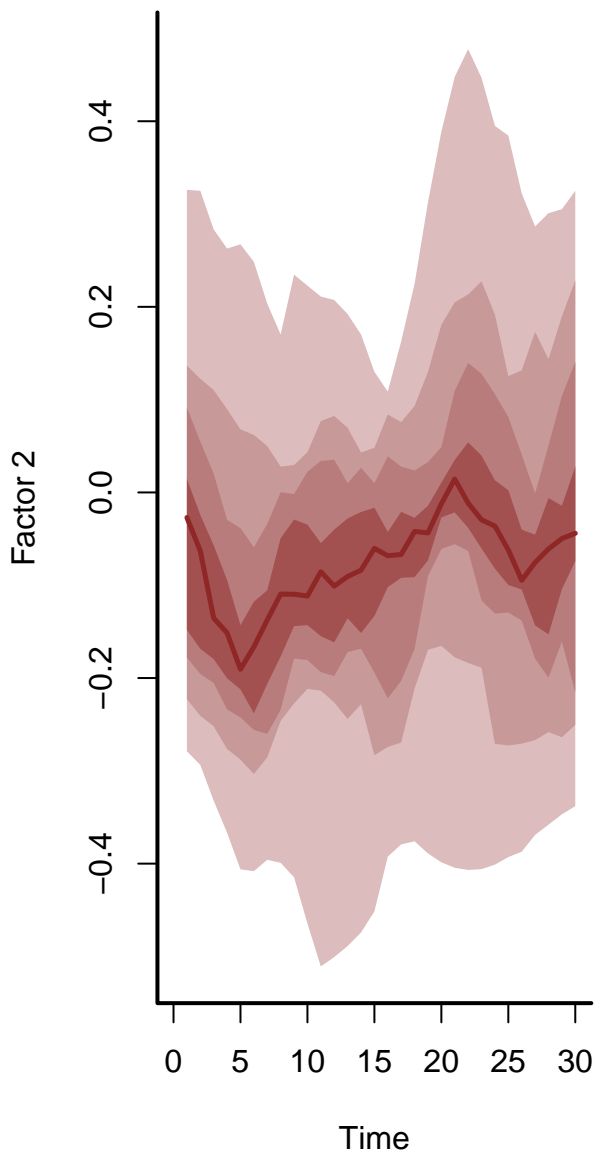
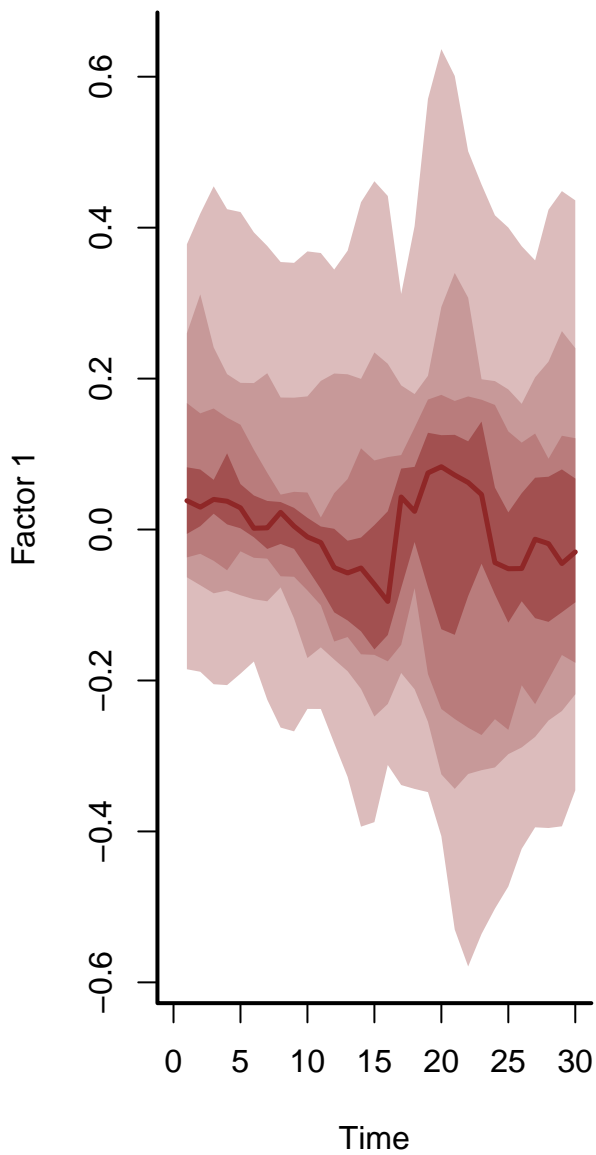
1st derivative

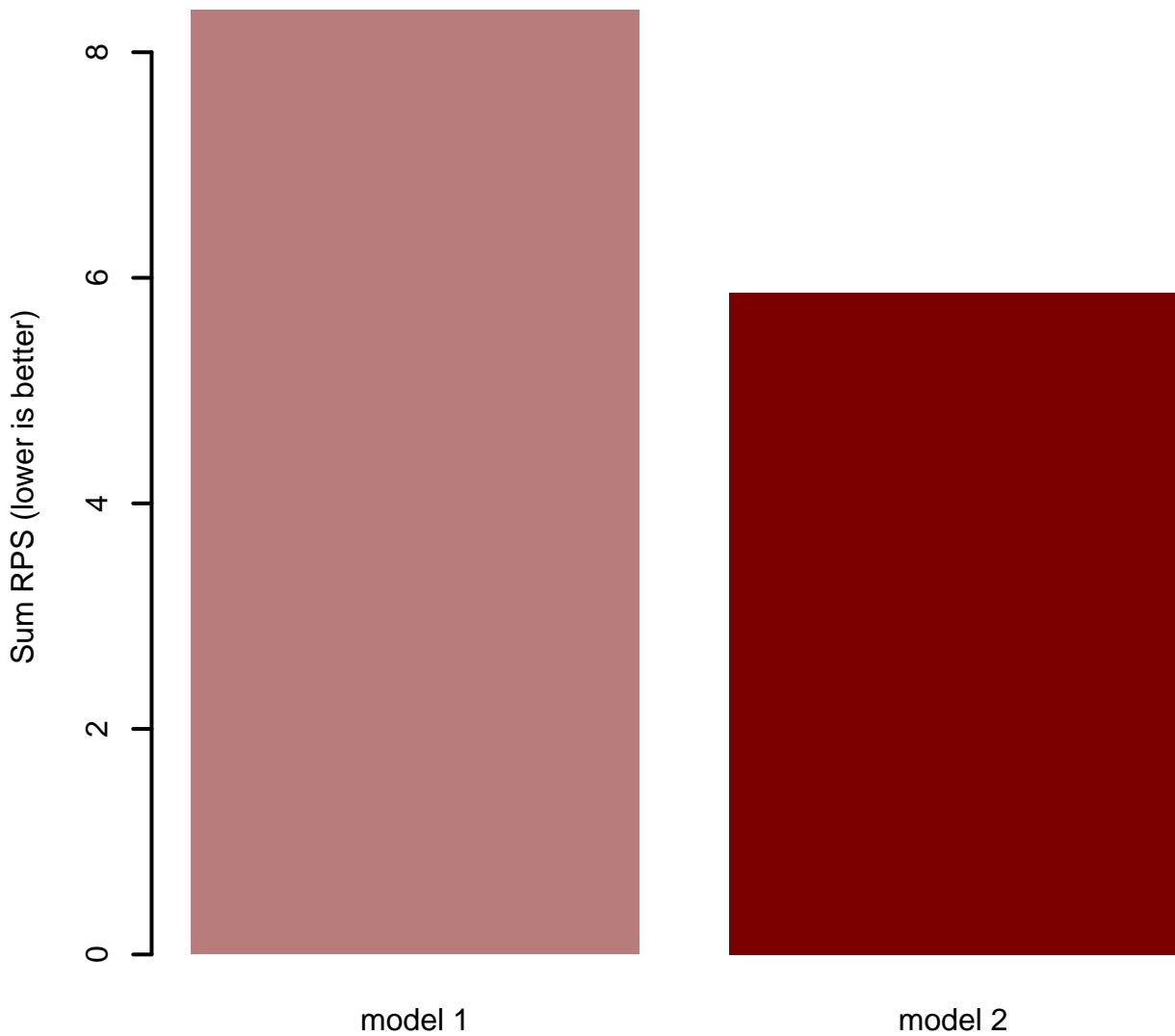


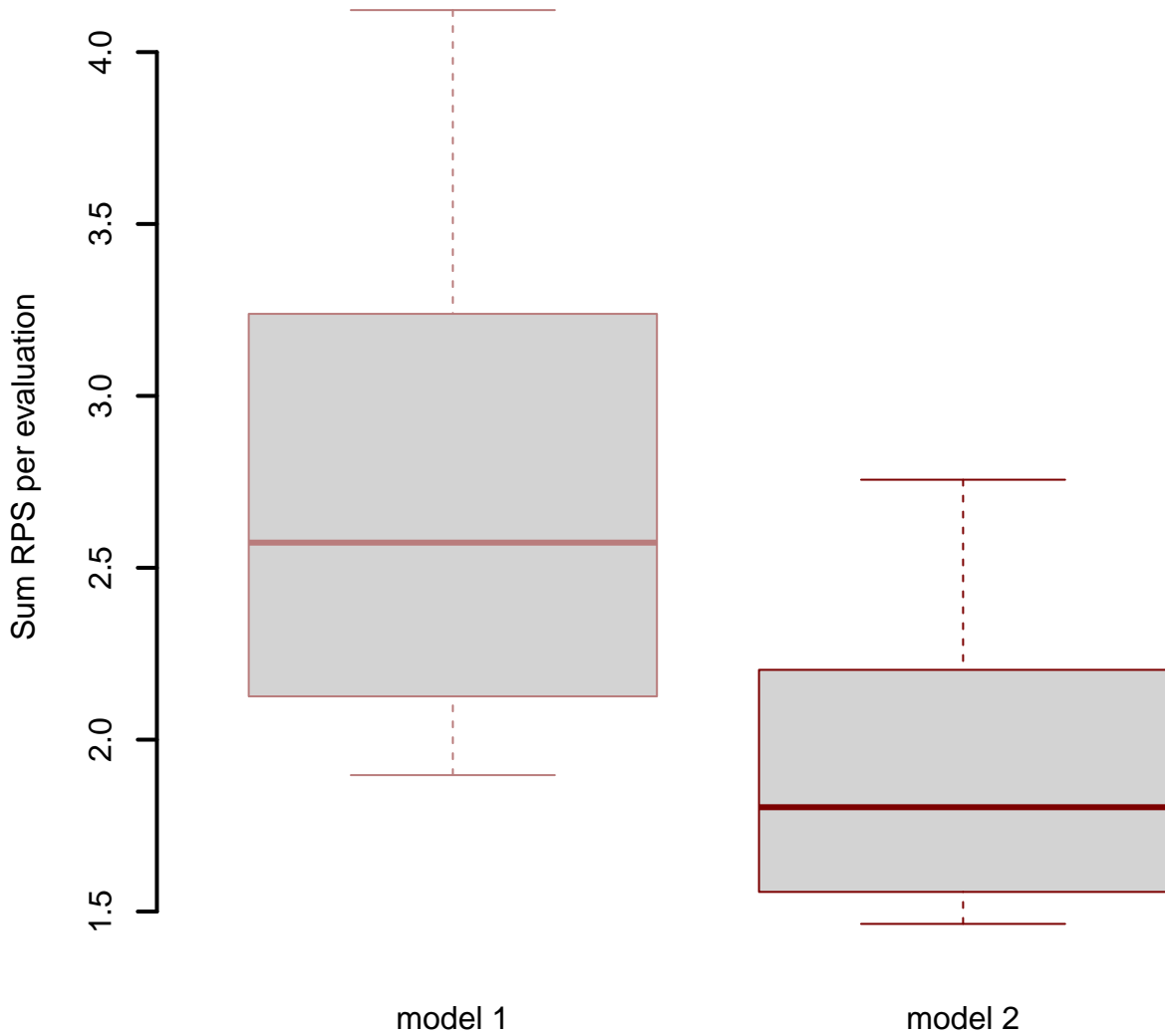


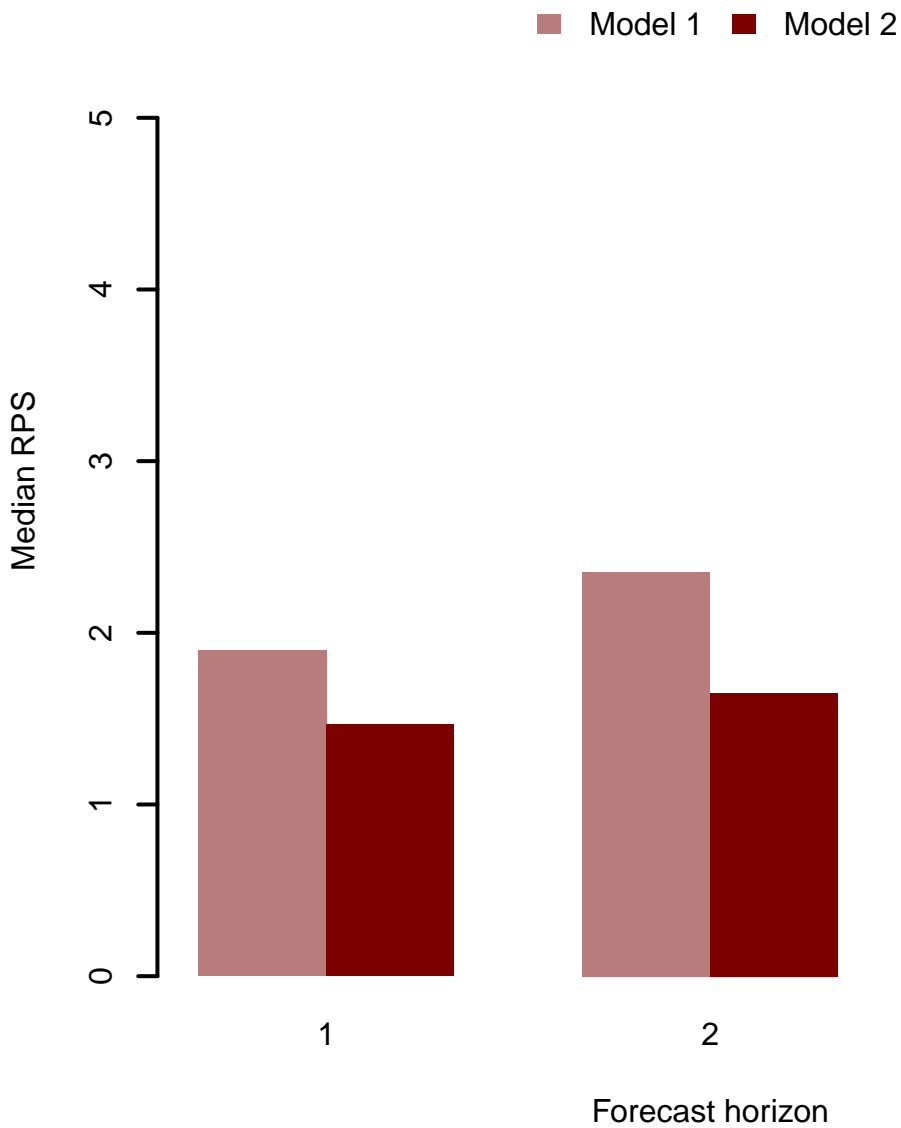


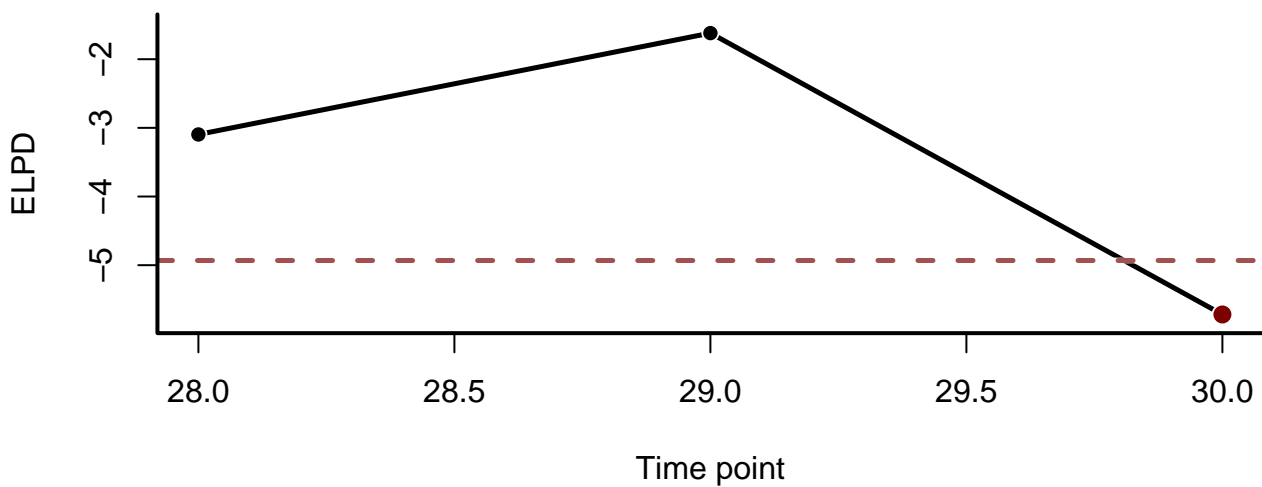
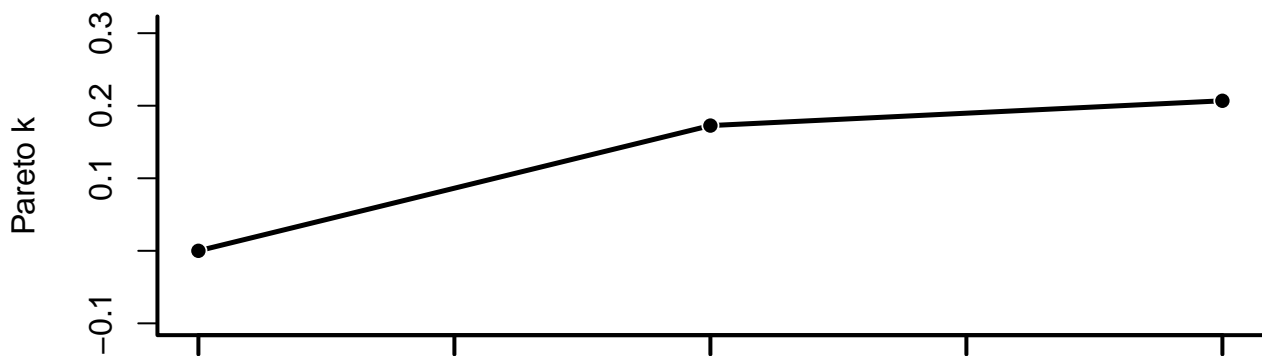


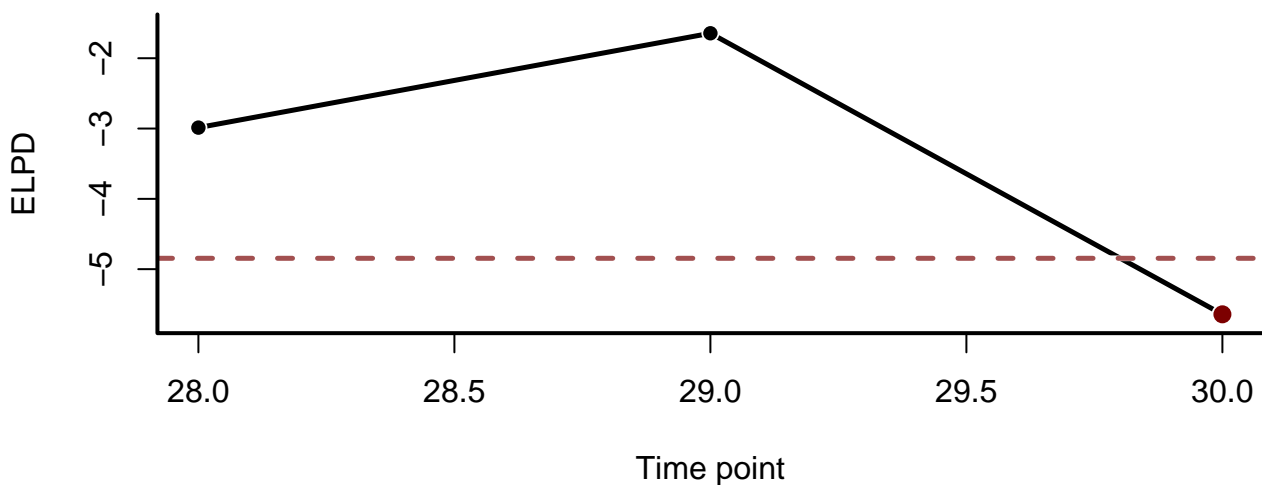
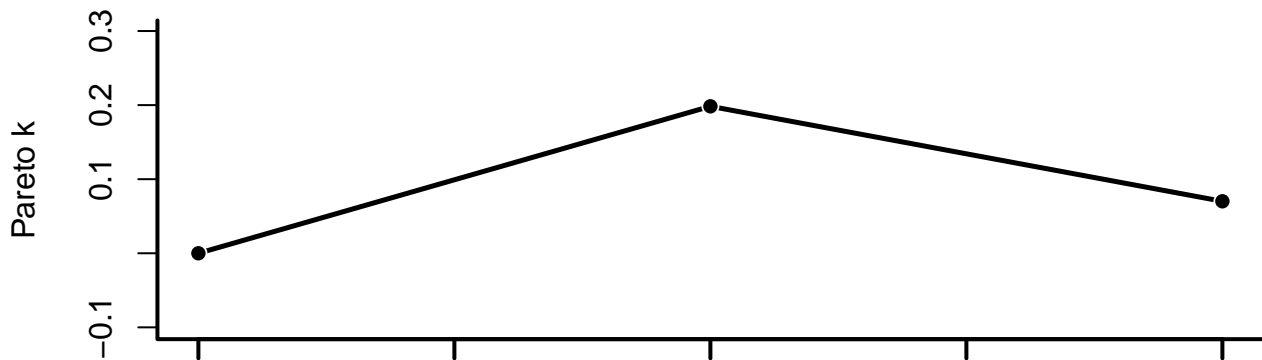


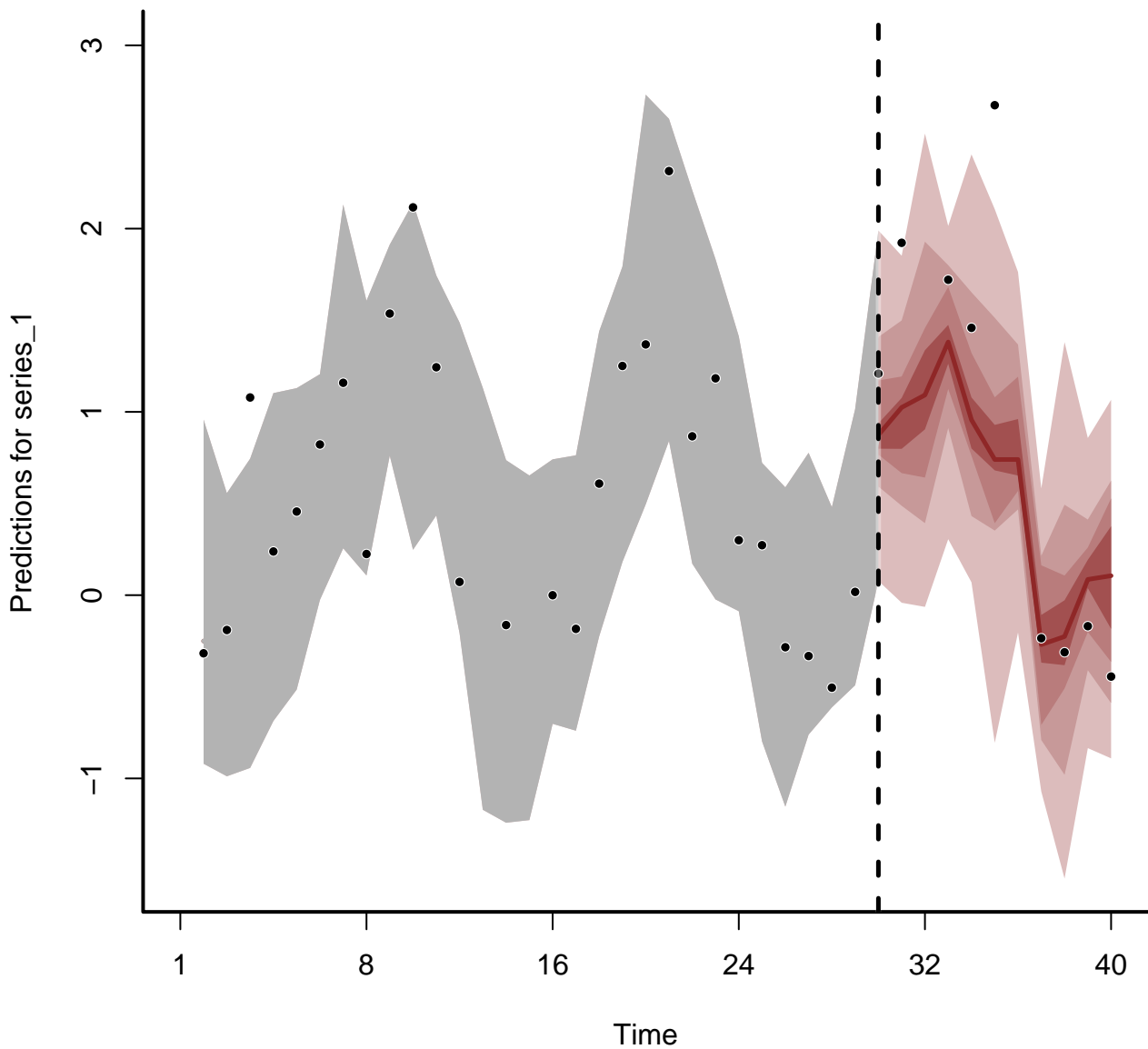




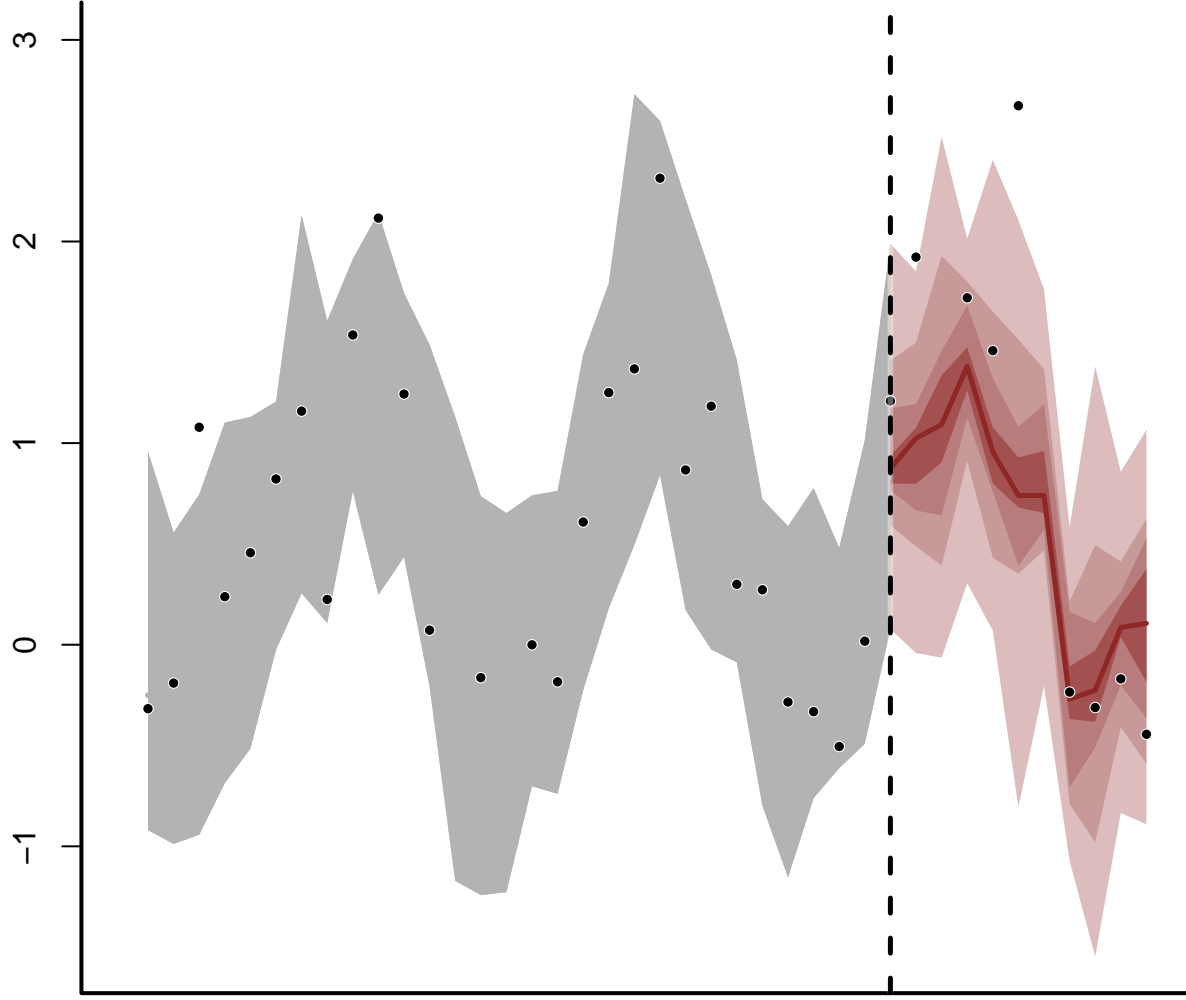


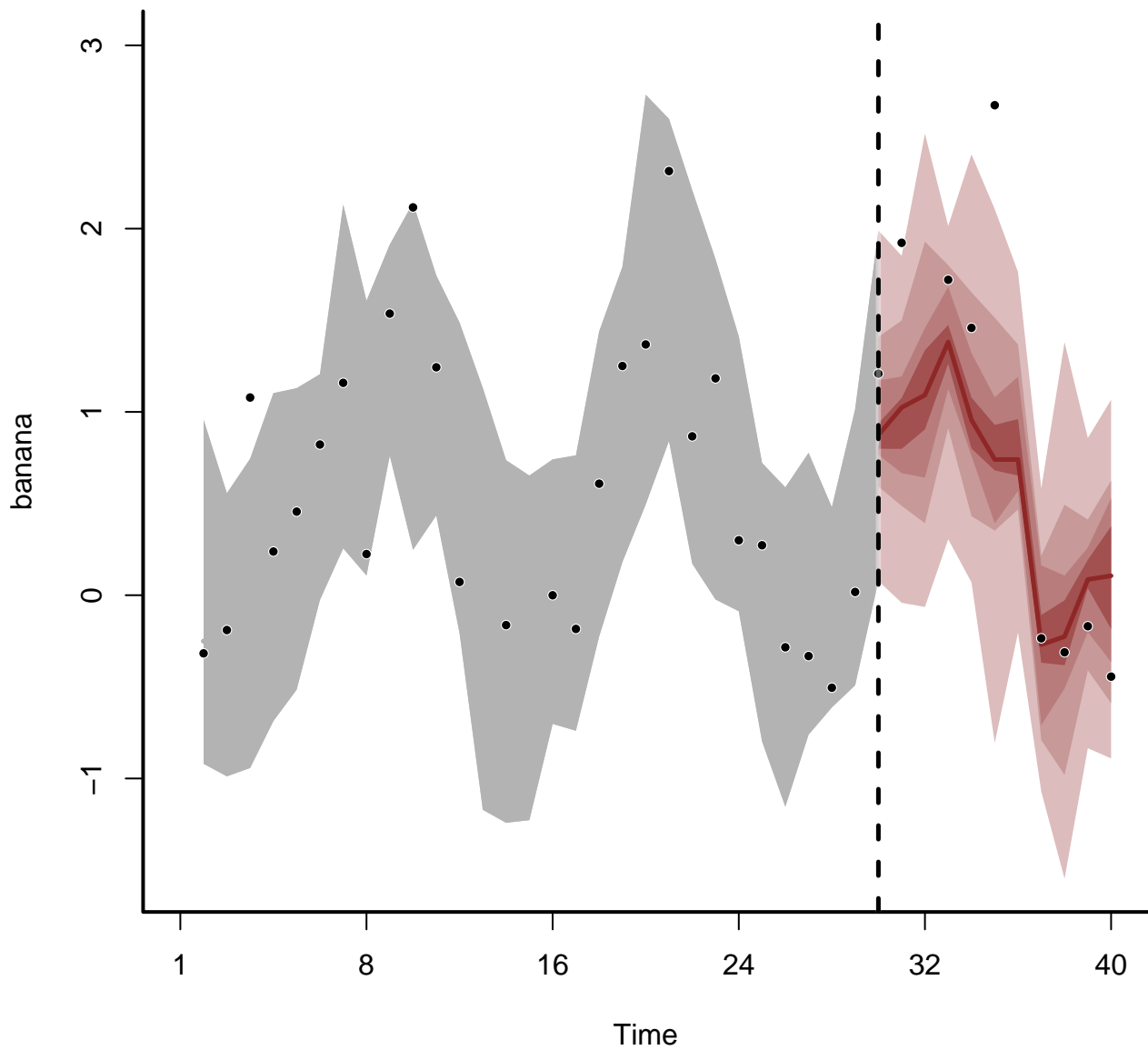


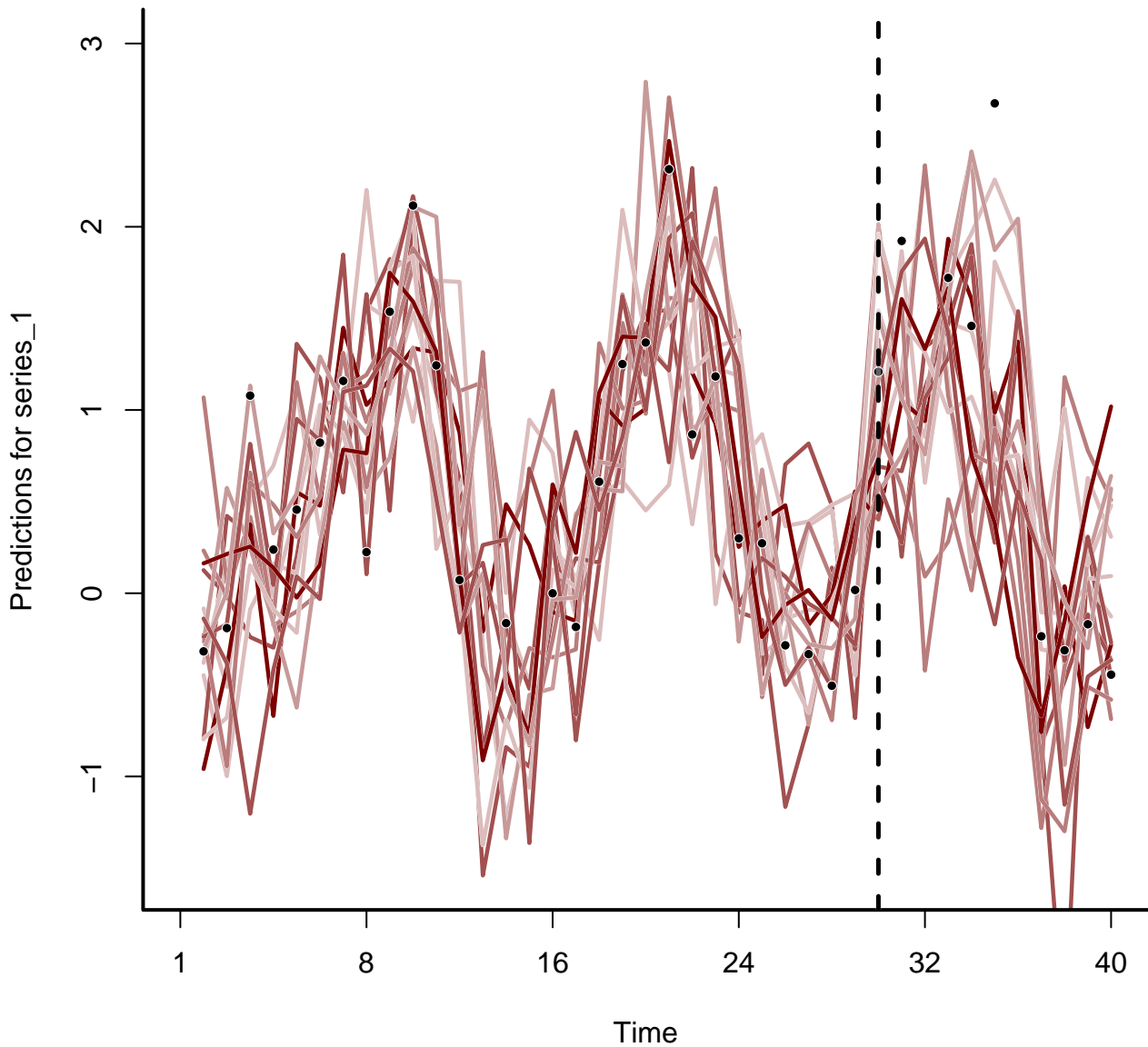


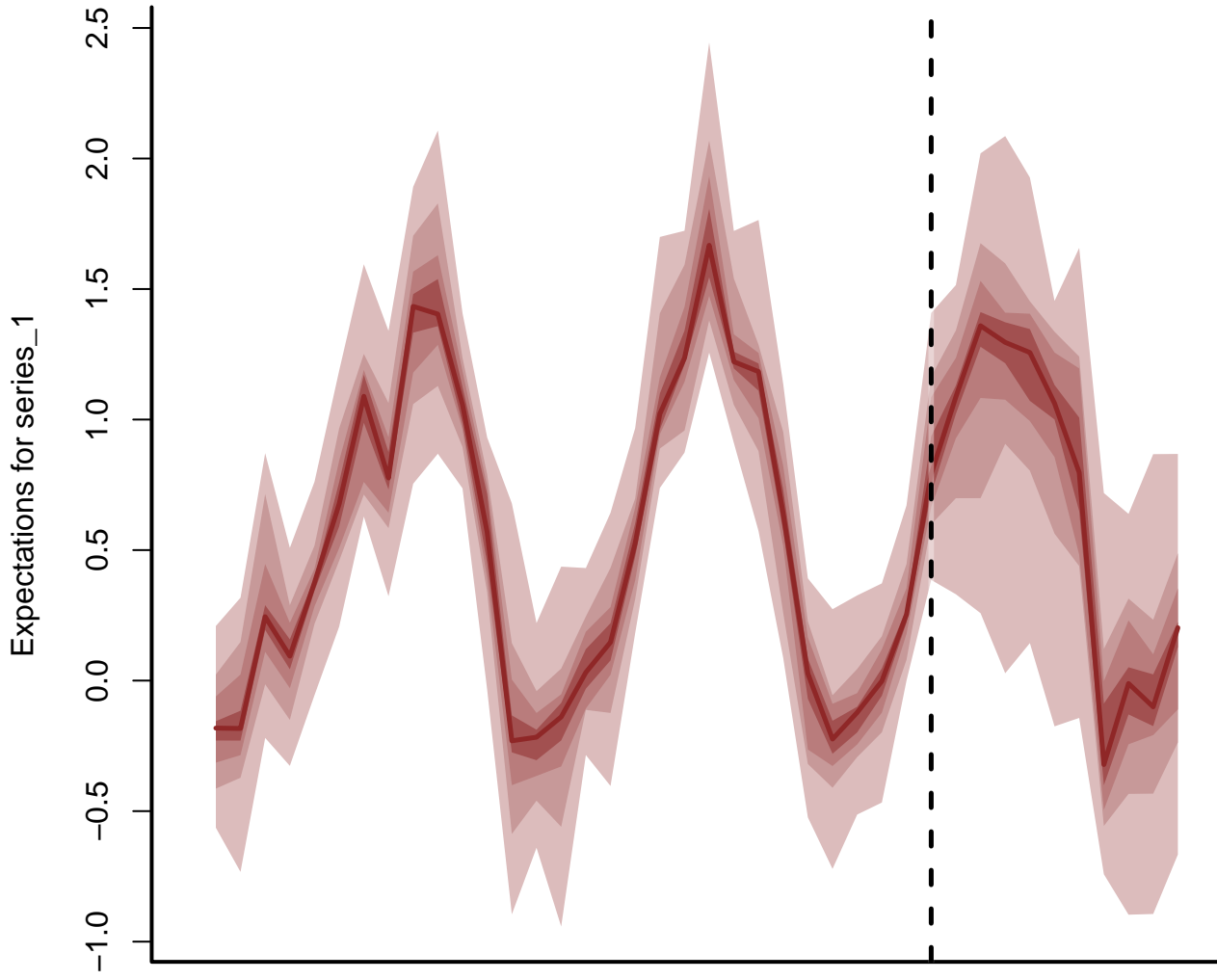


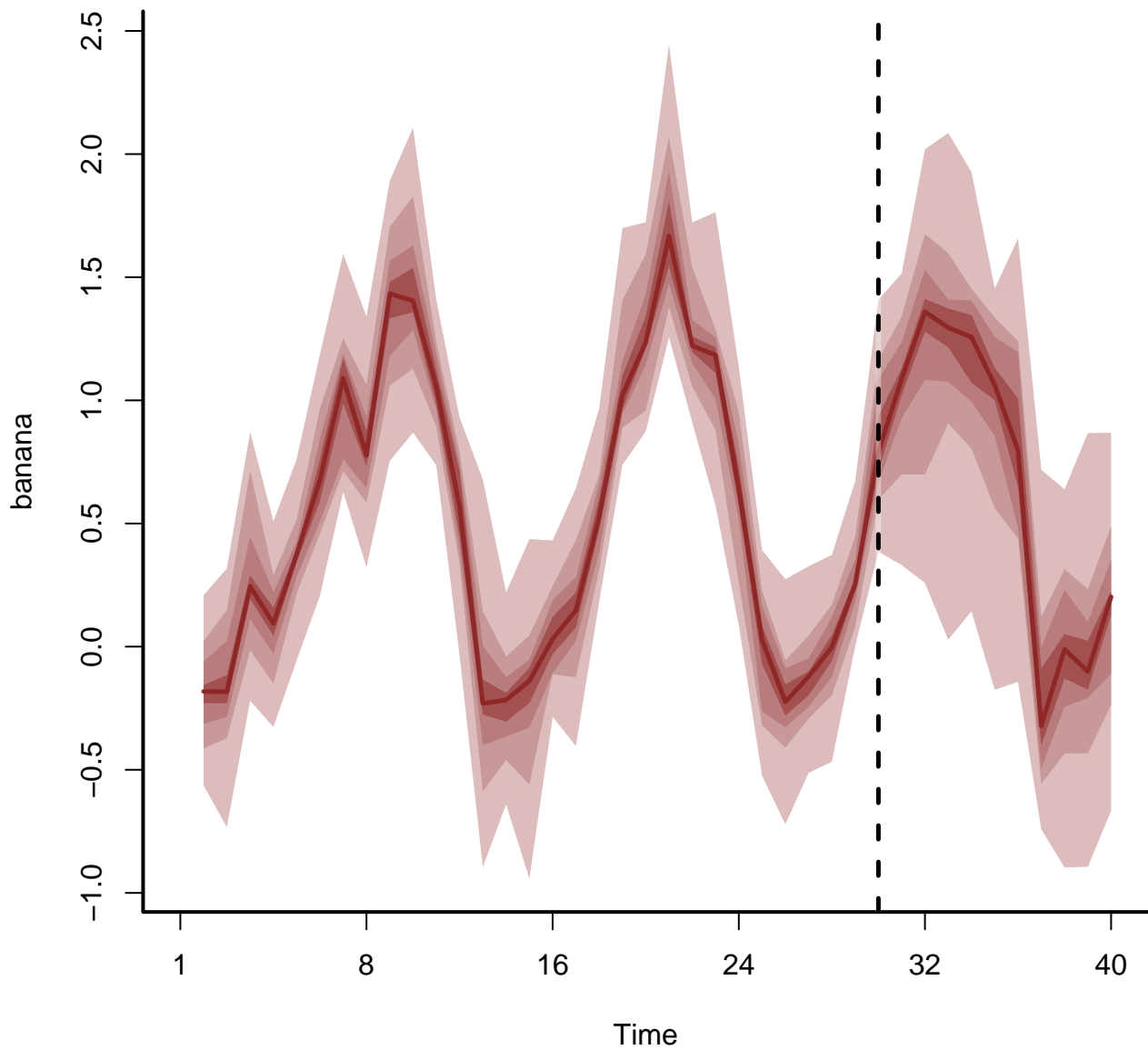
Predictions for series_1

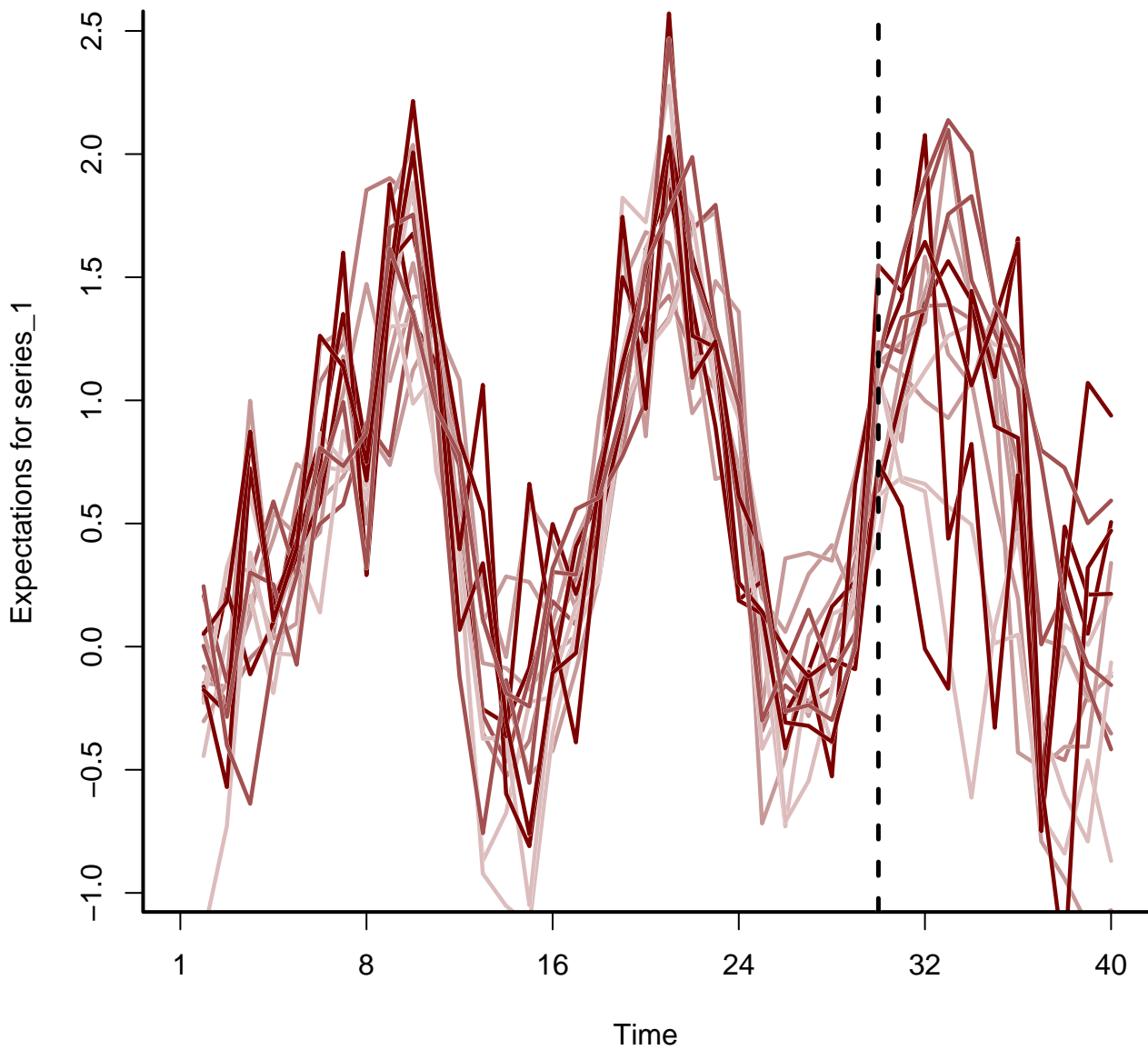




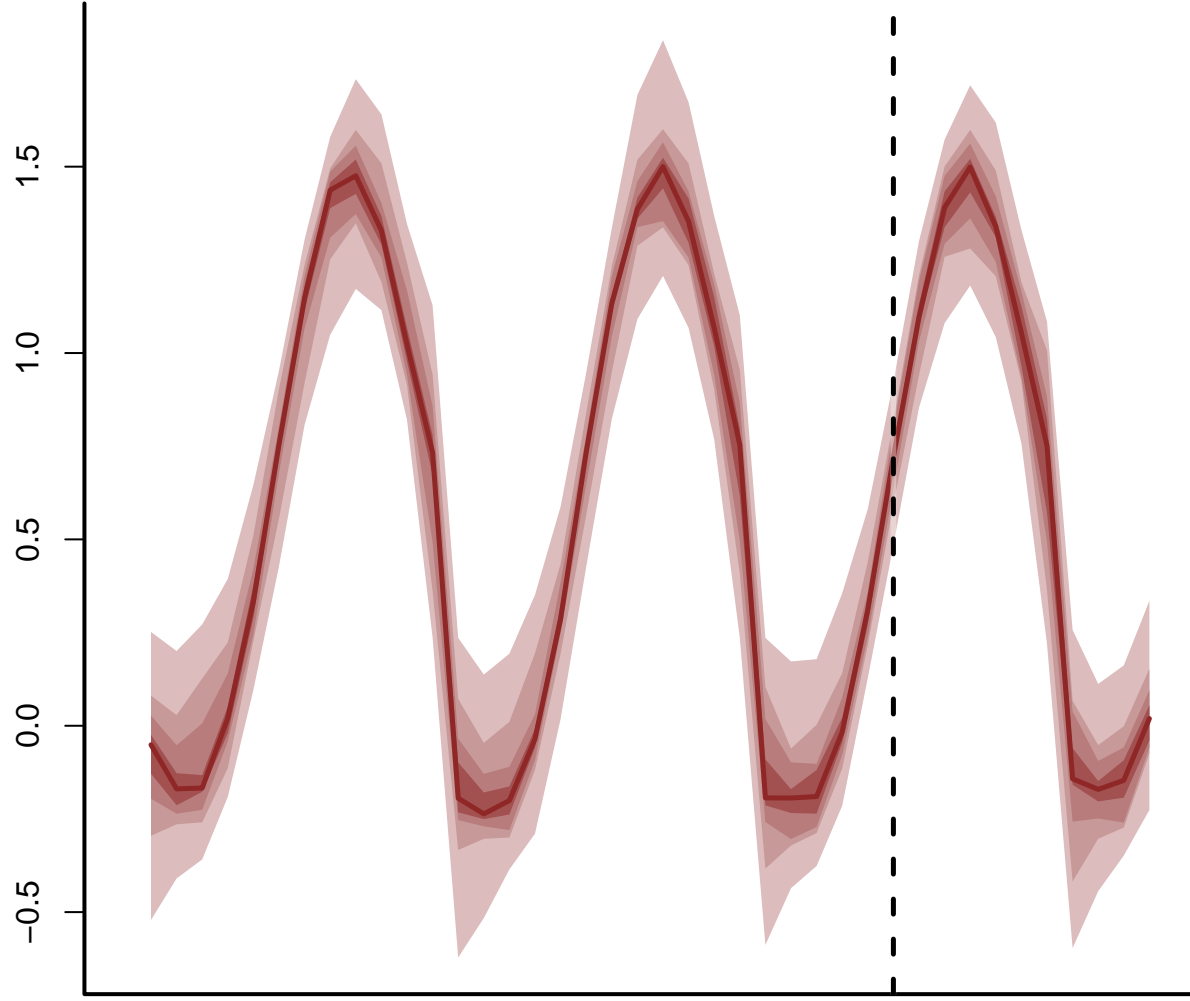


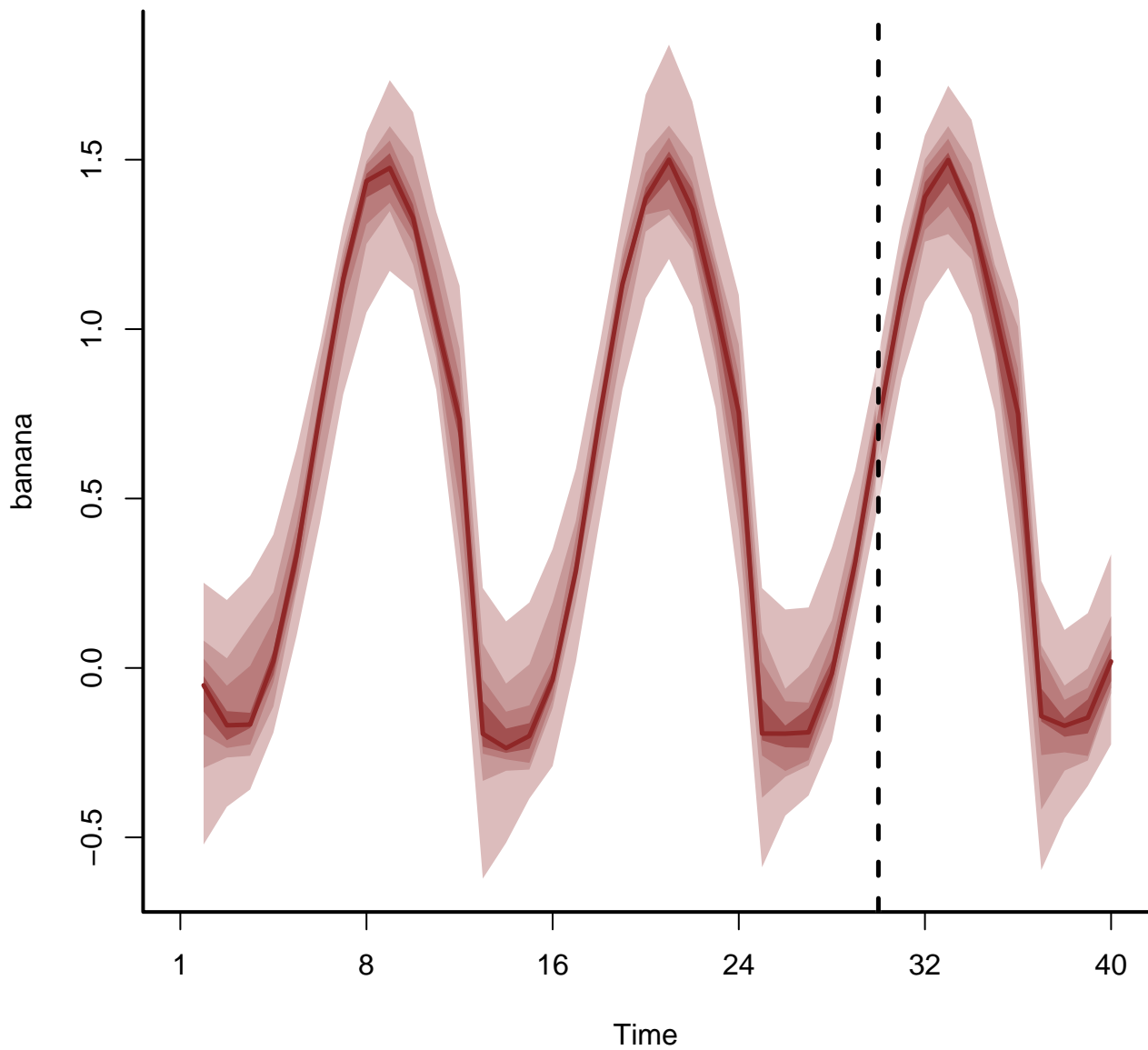


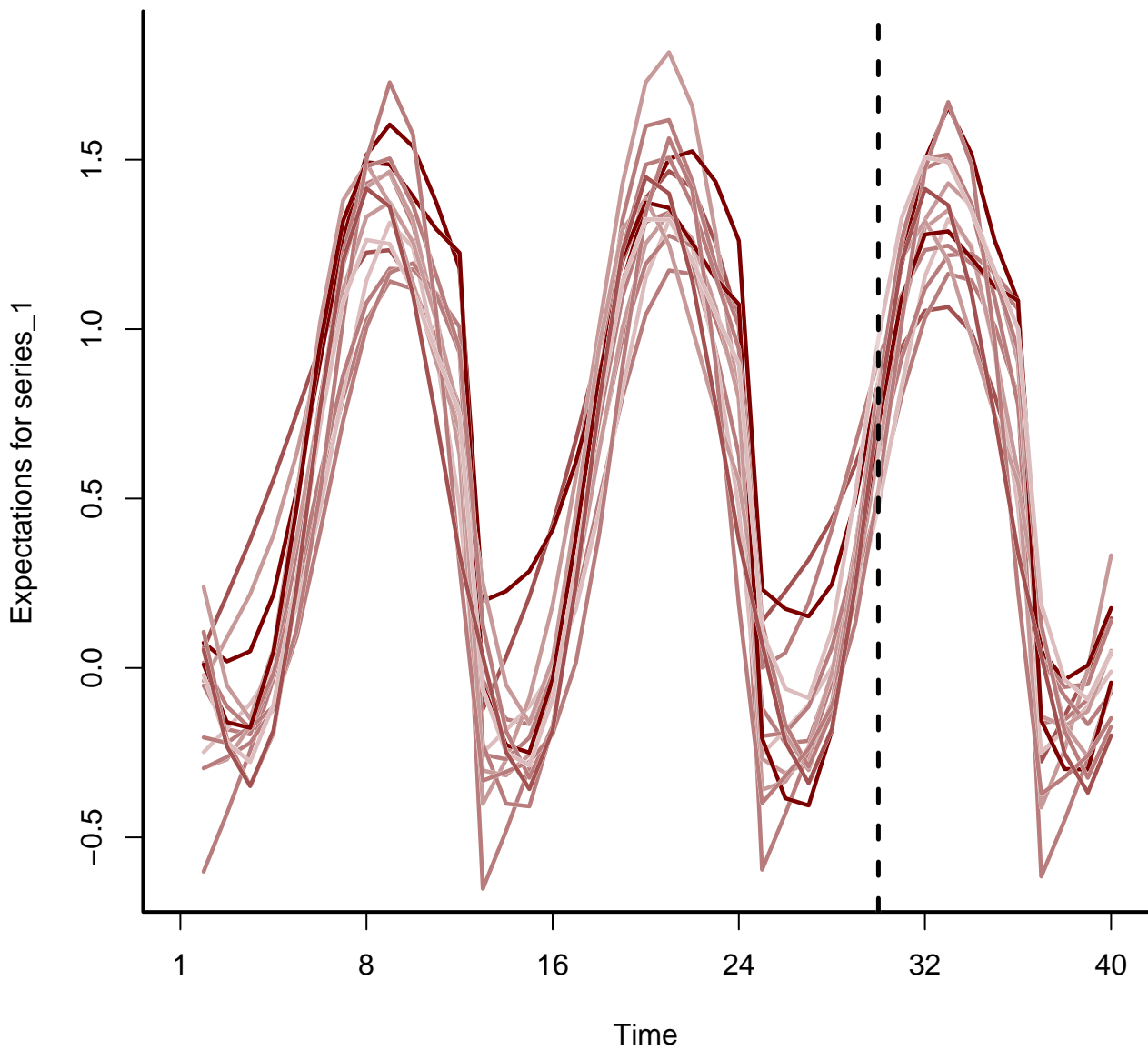


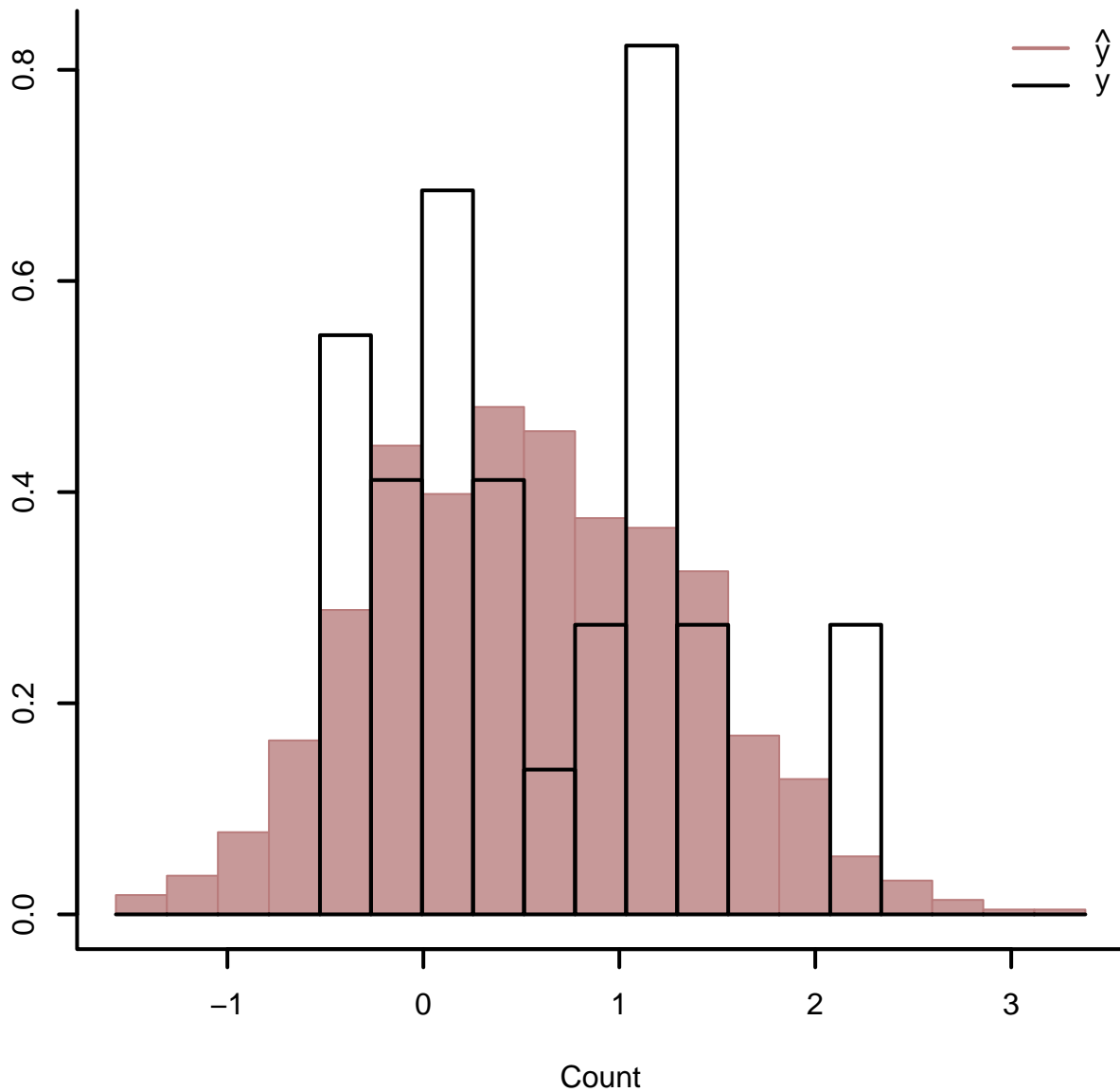


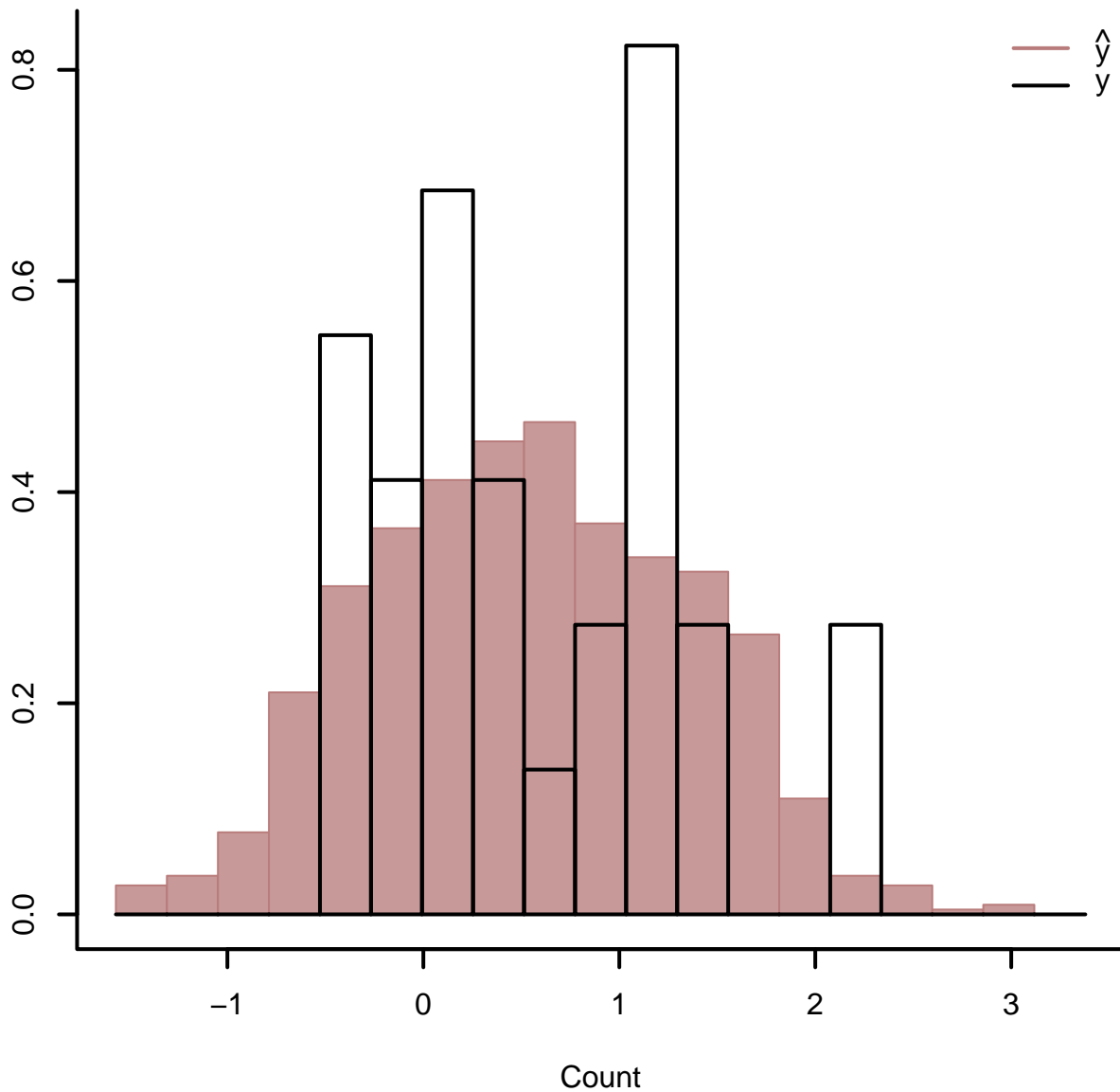
Expectations for series_1

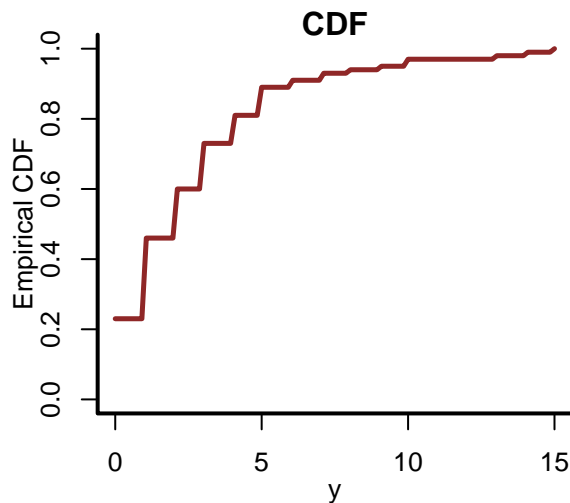
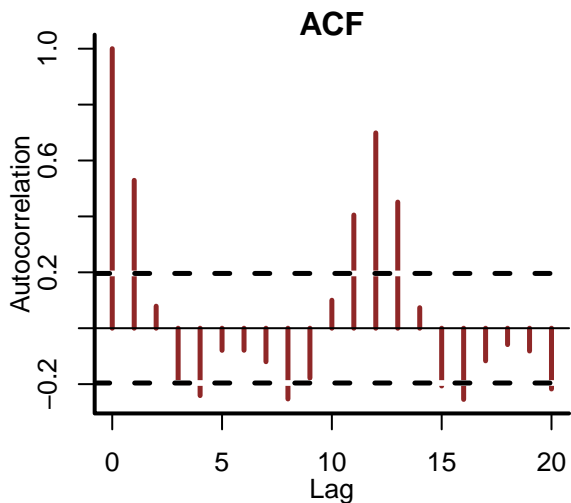
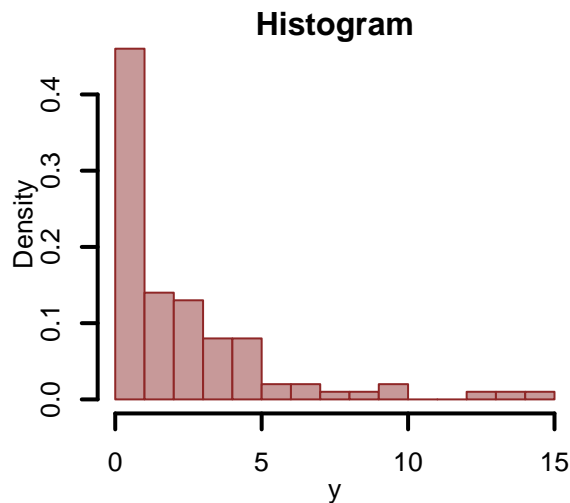
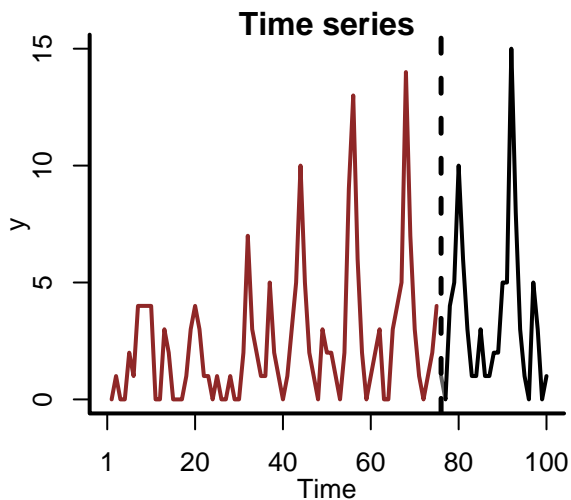


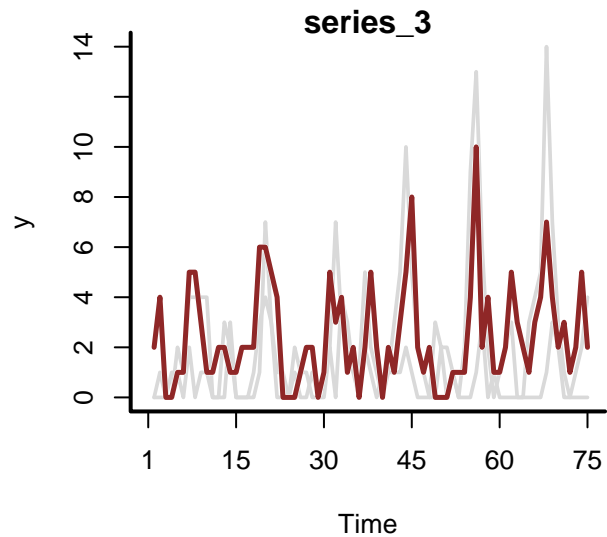
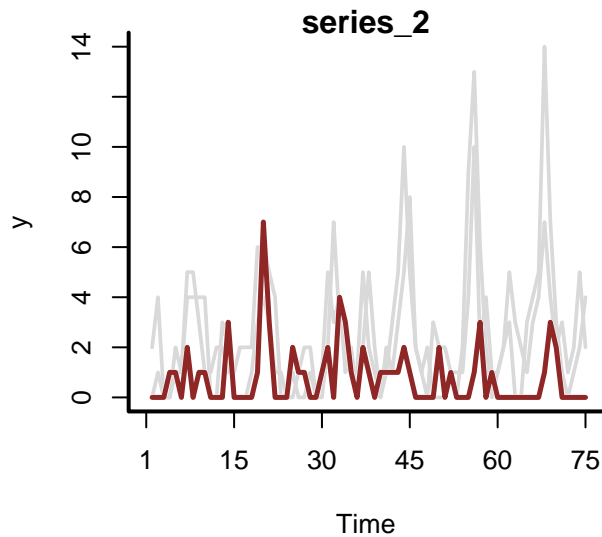
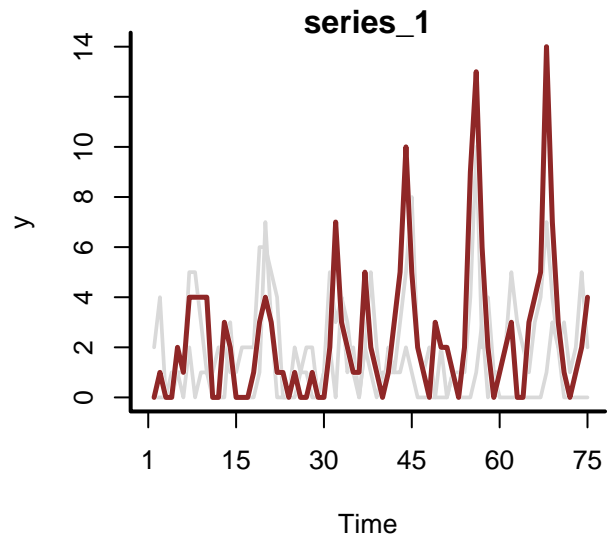


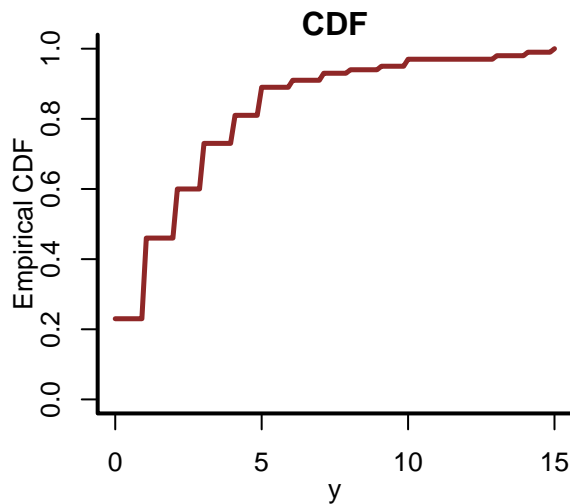
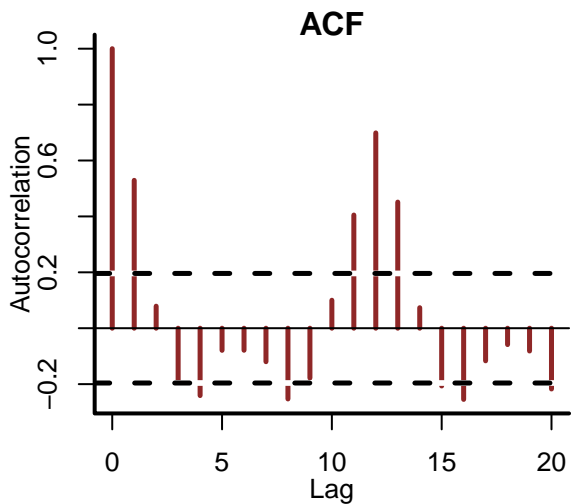
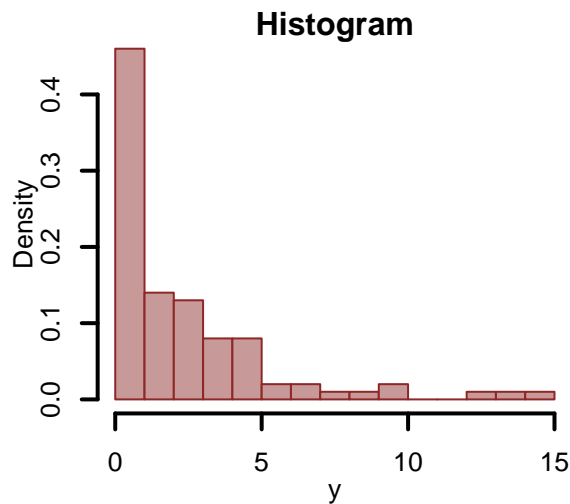
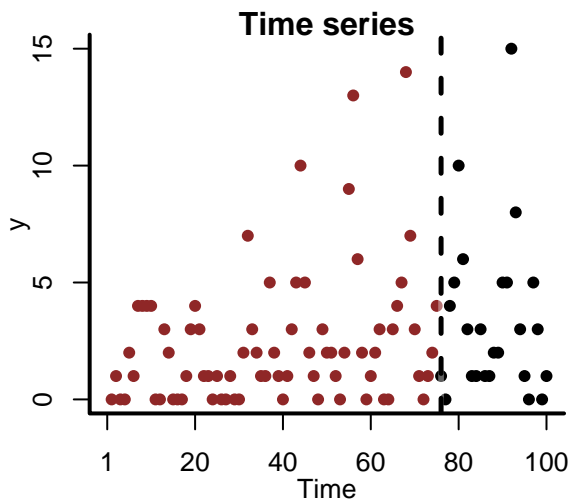


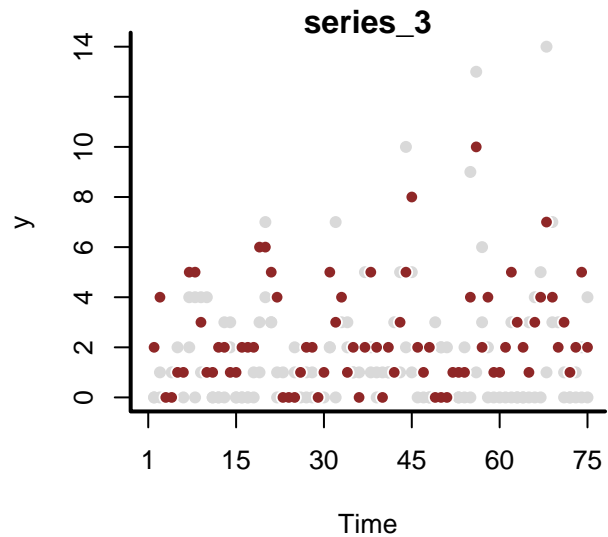
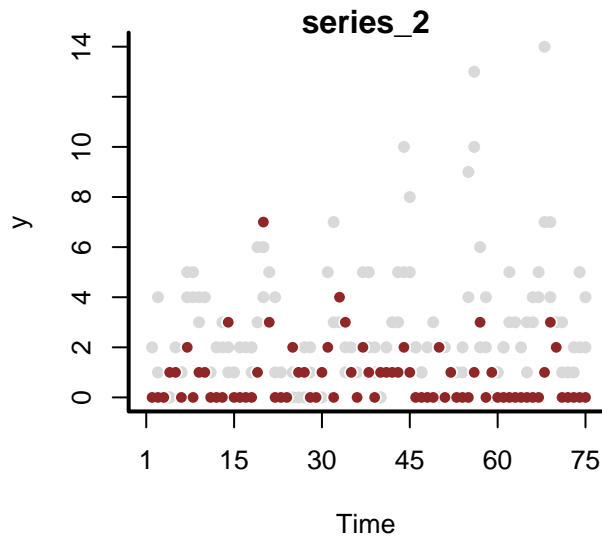
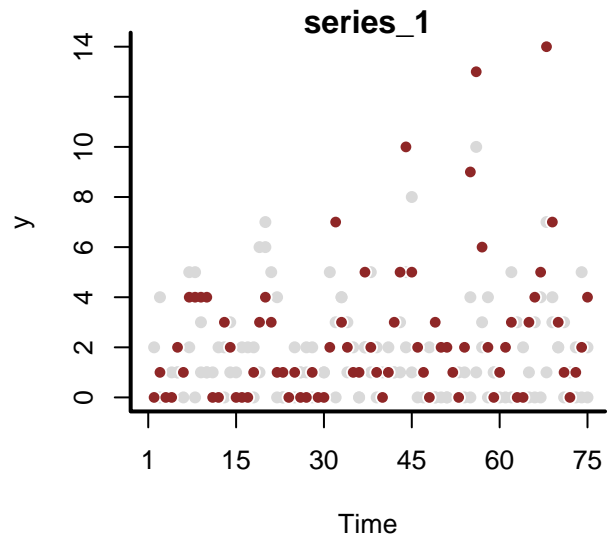


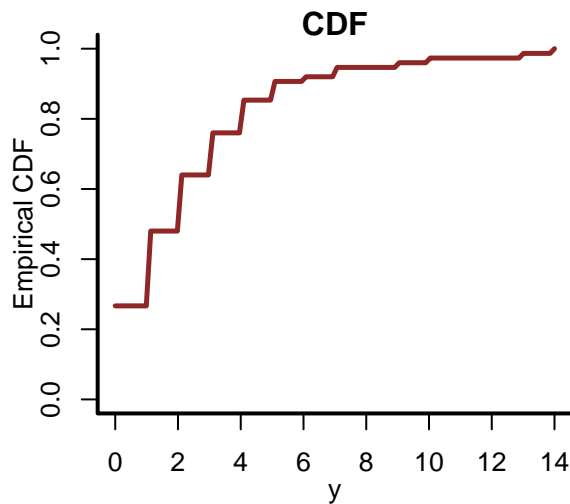
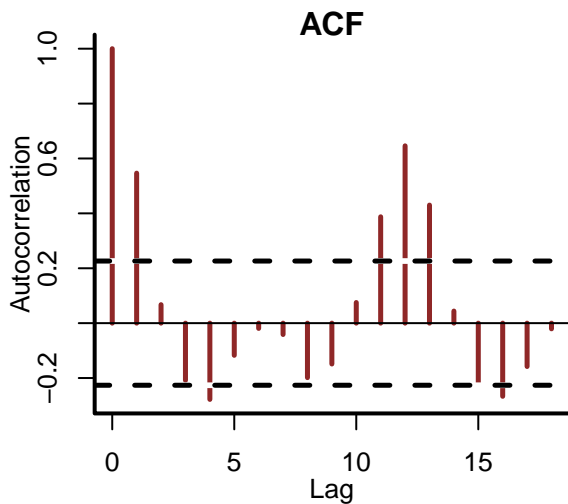
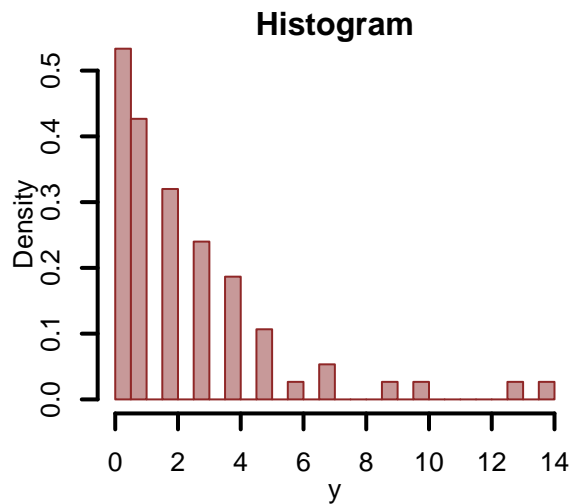
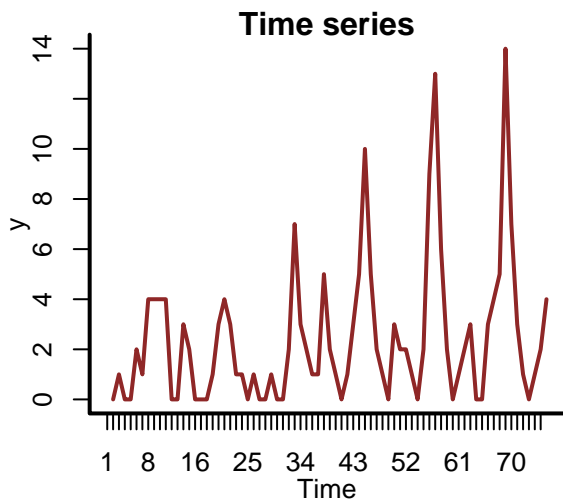


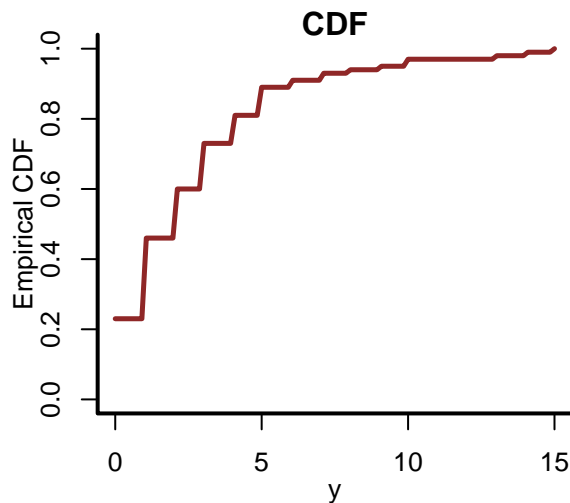
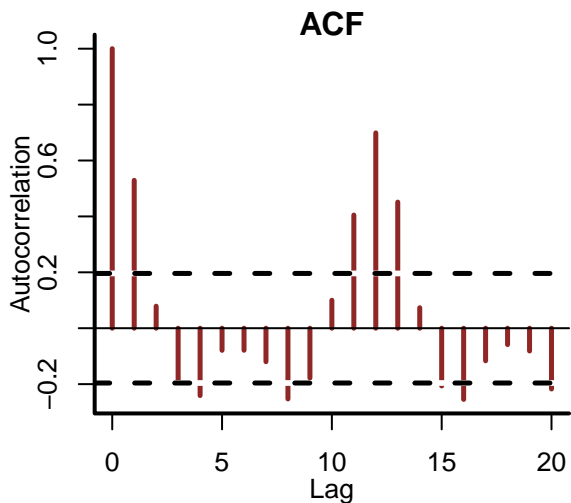
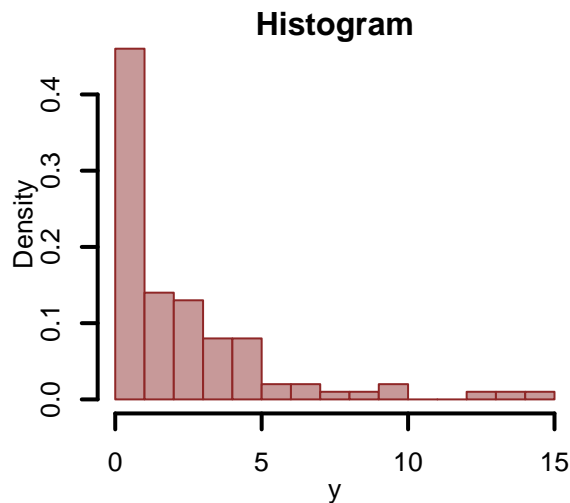
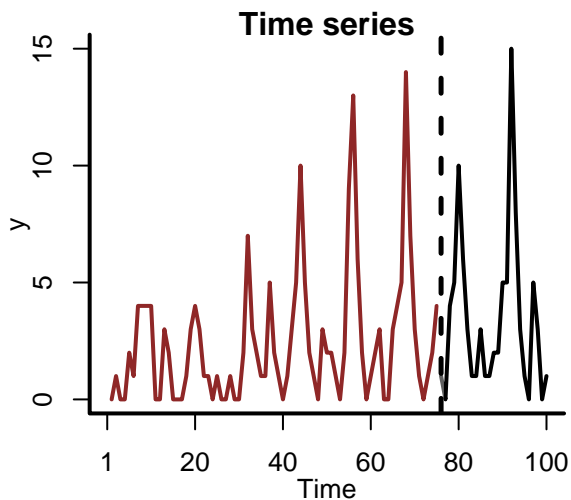


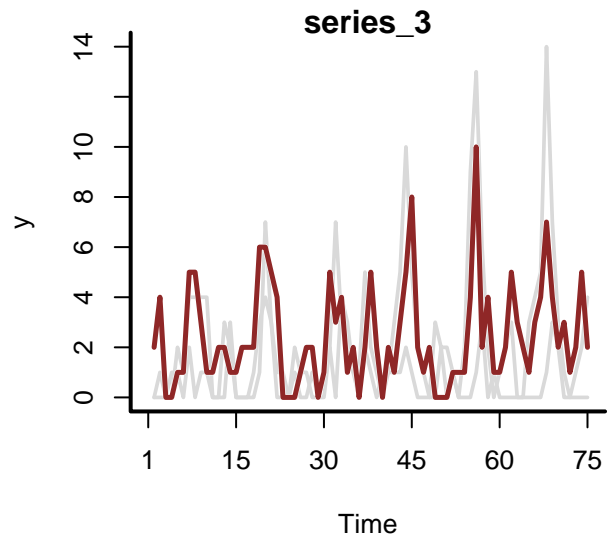
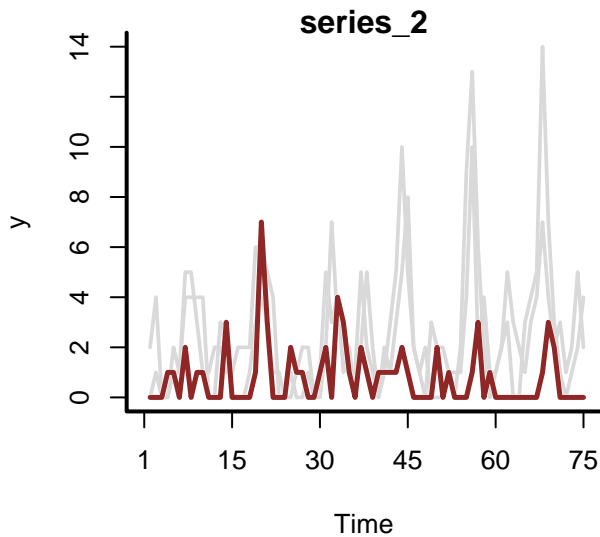
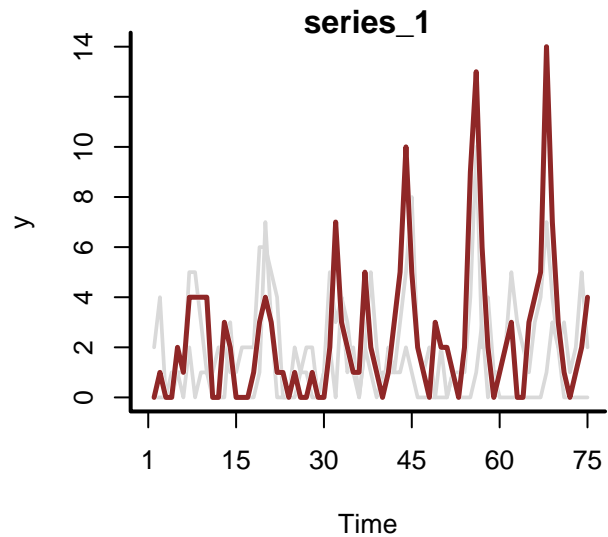


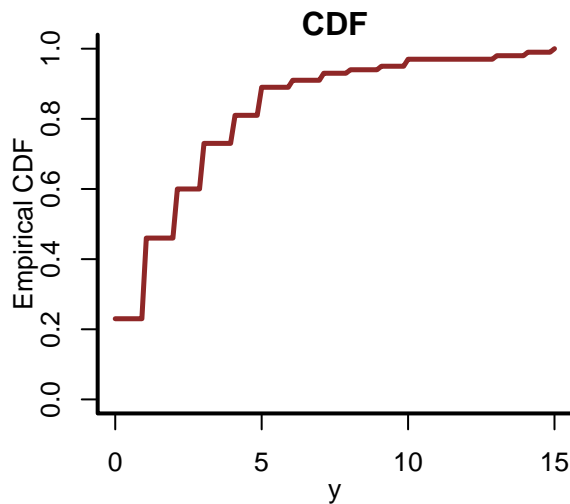
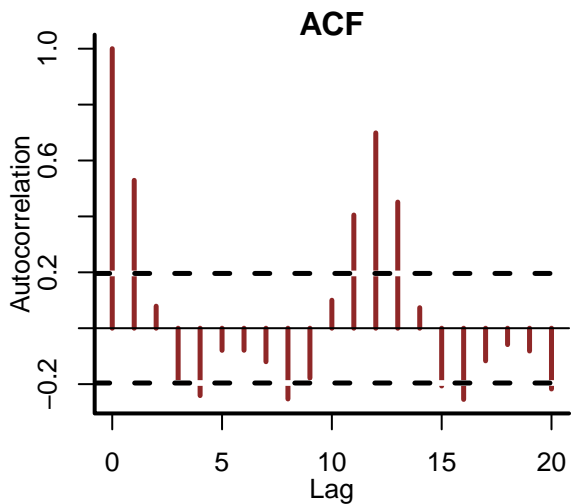
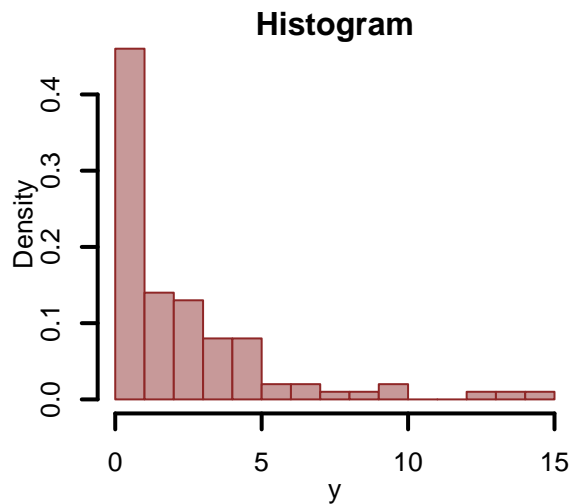
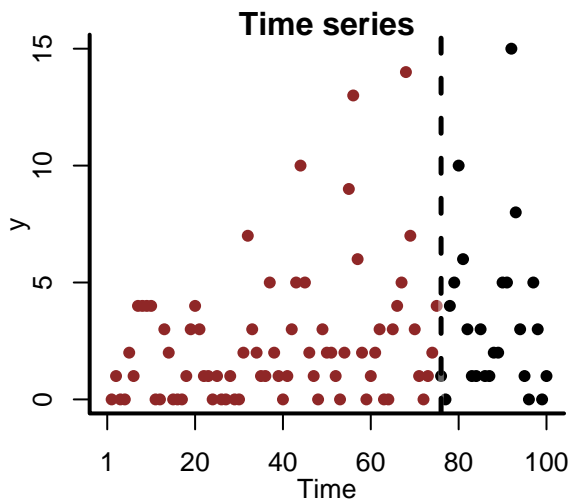


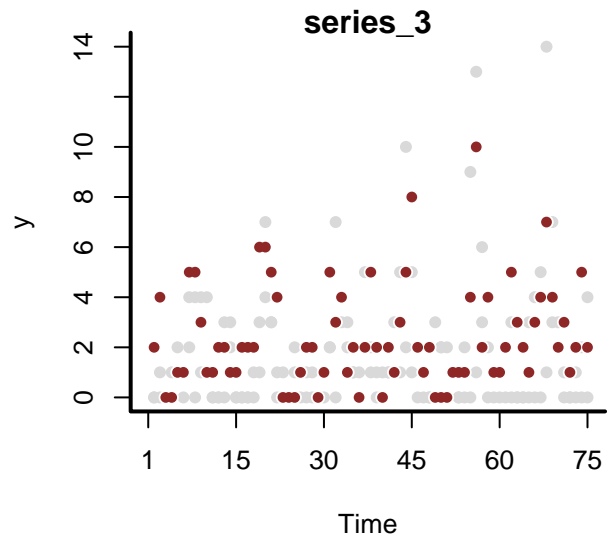
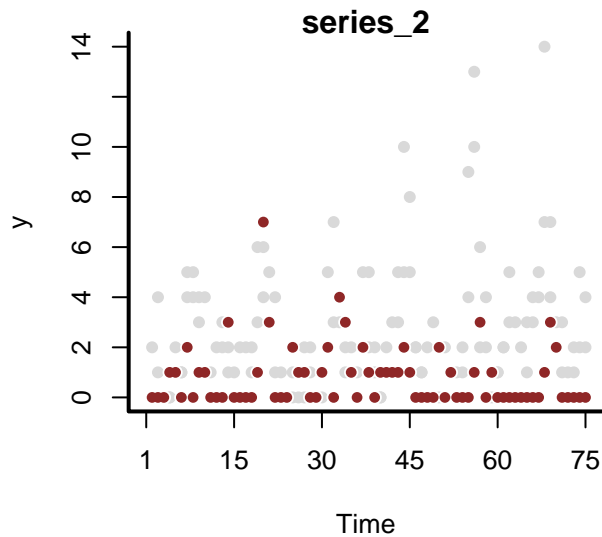
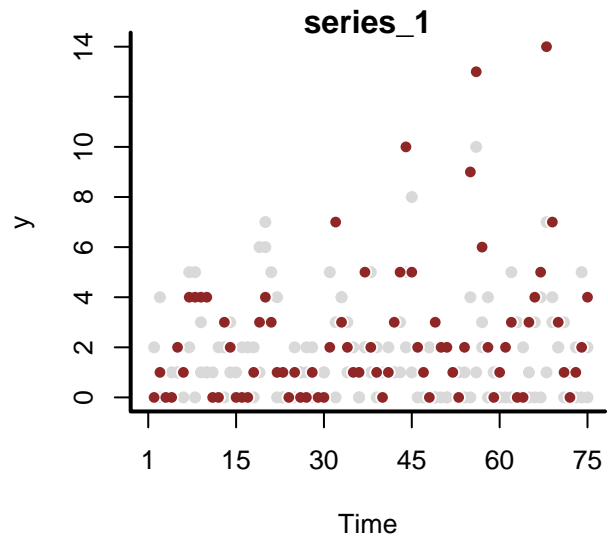




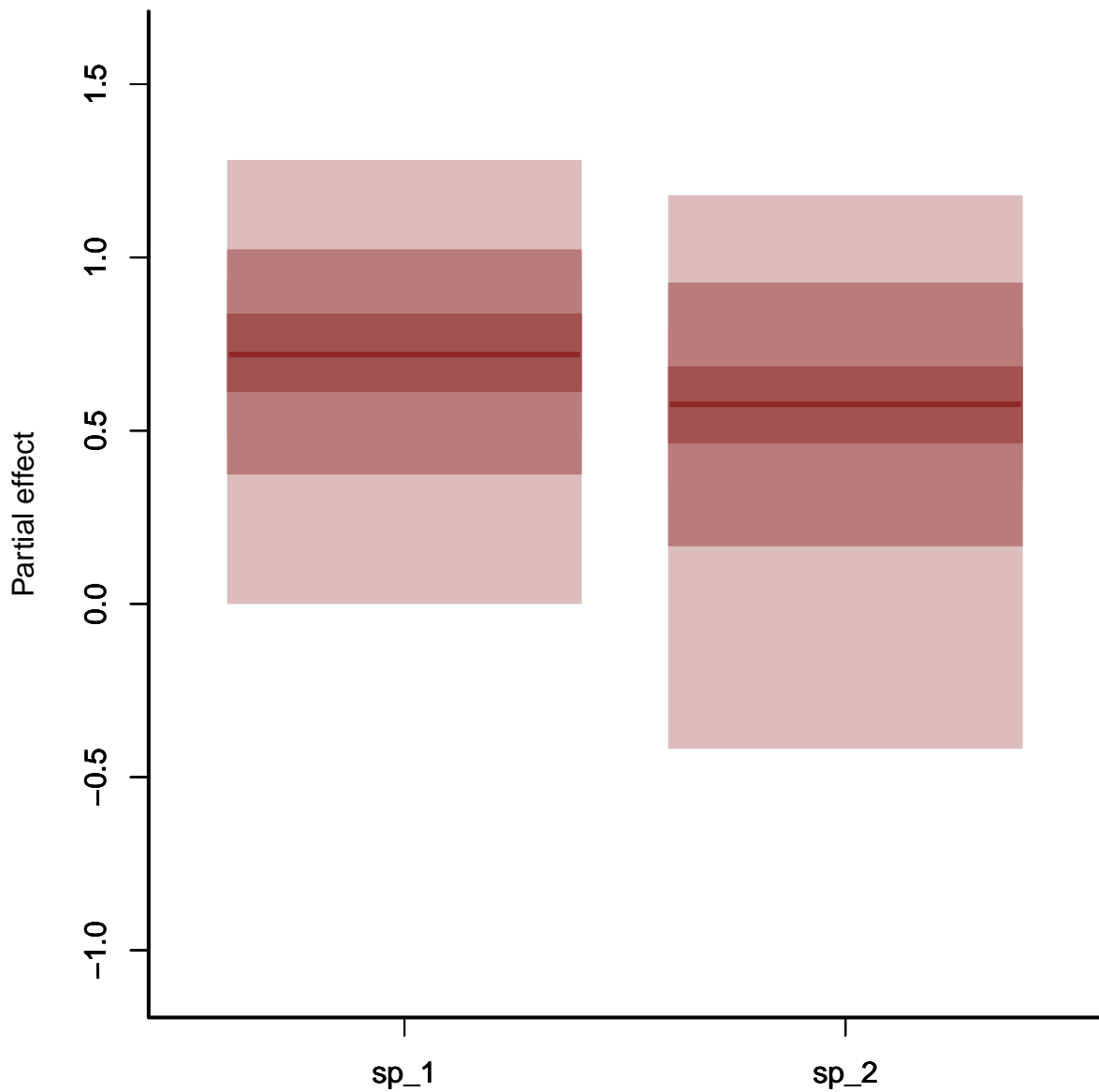








species



species

0.0

-0.5

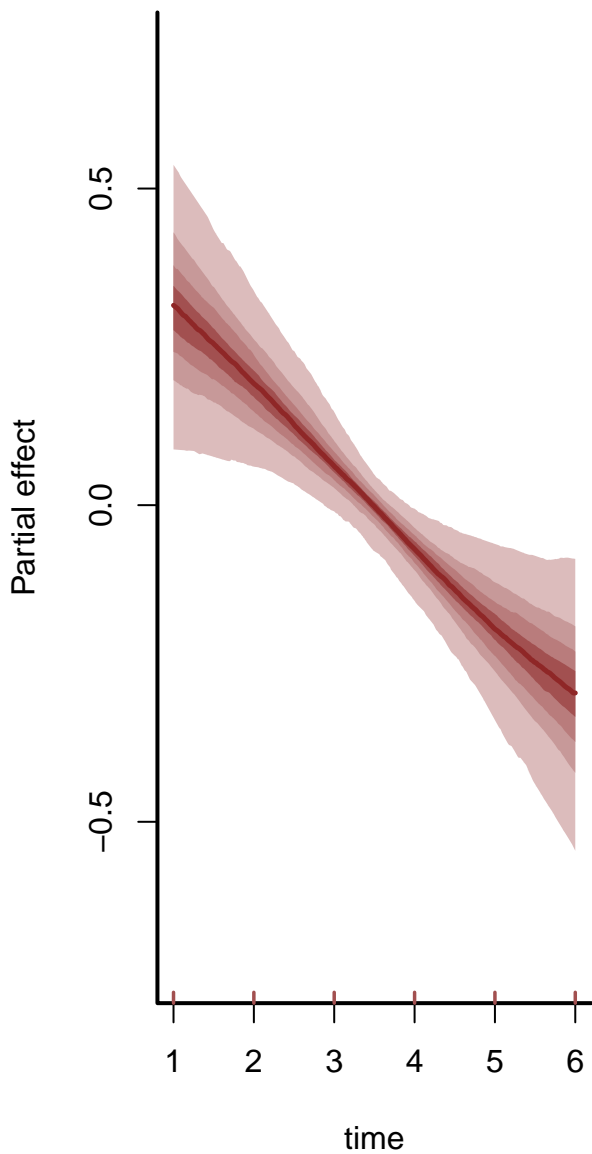
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-1.5

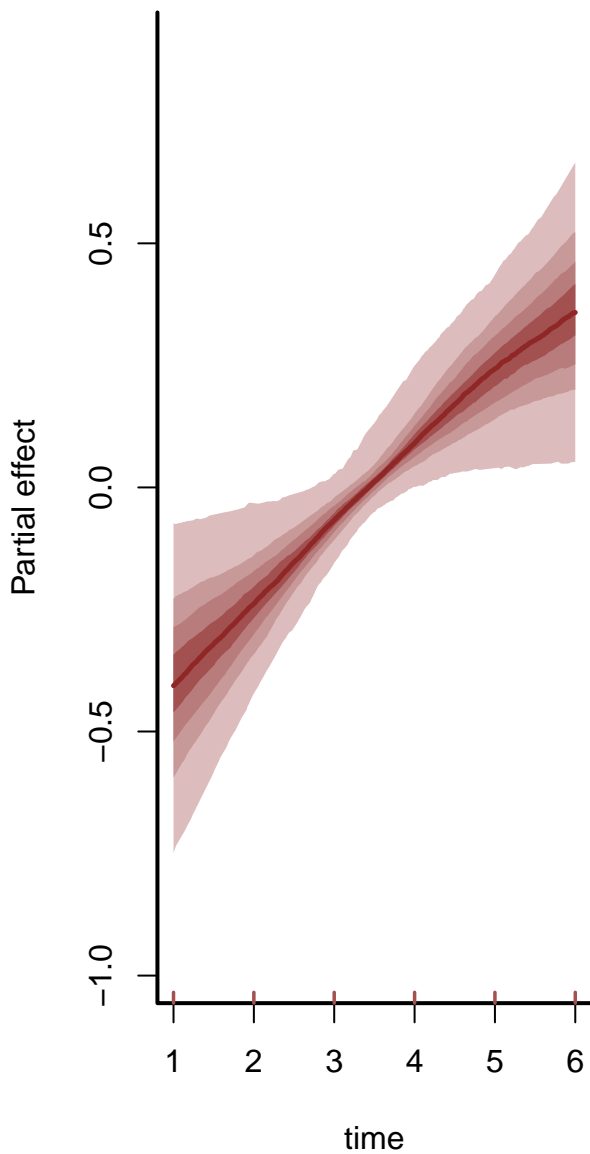
Partial effect



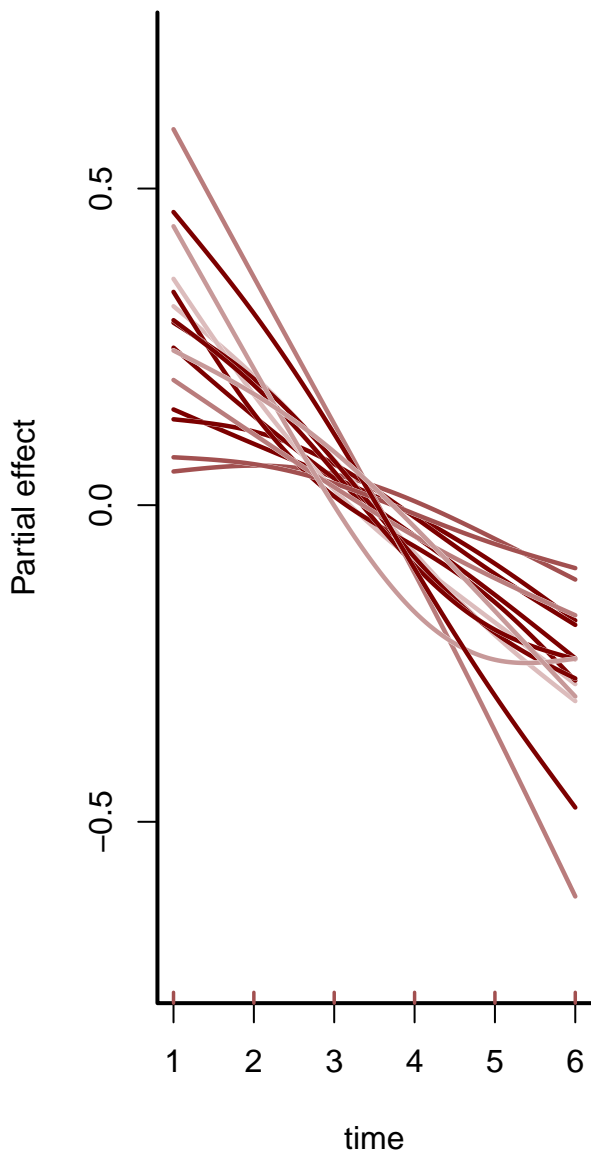
s(time):trendtrend1



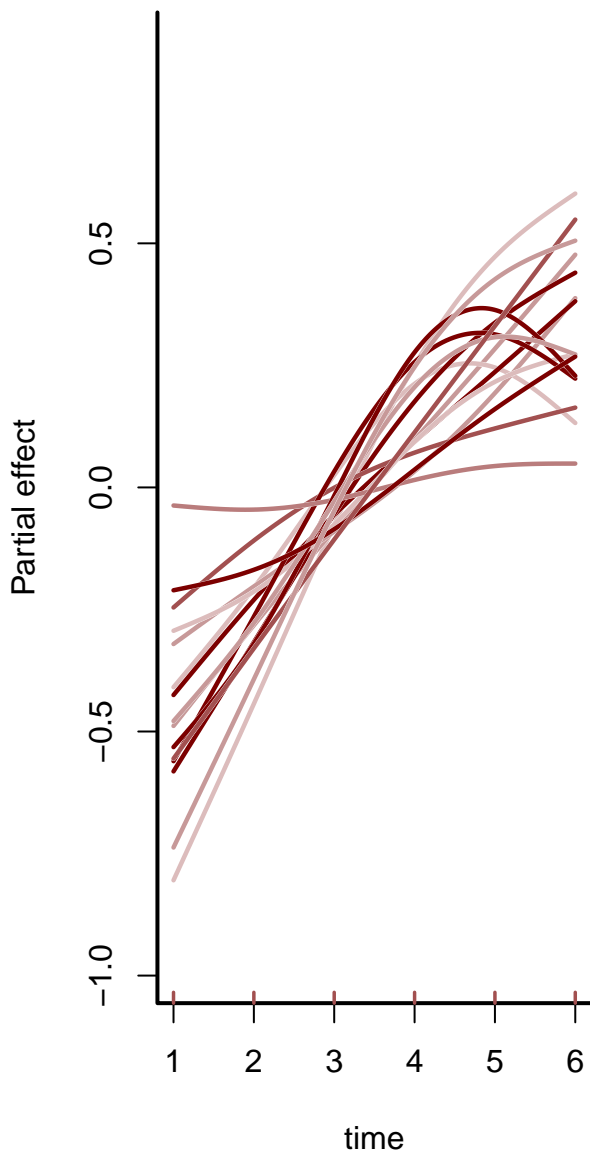
s(time):trendtrend2



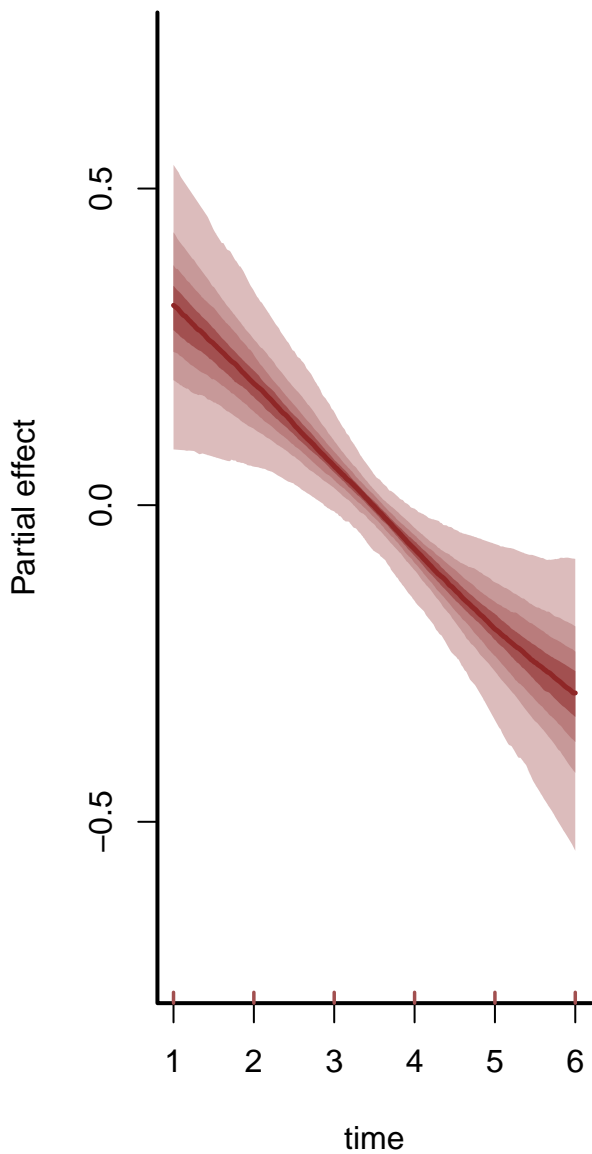
s(time):trendtrend1



s(time):trendtrend2



s(time):trendtrend1



s(time):trendtrend2

