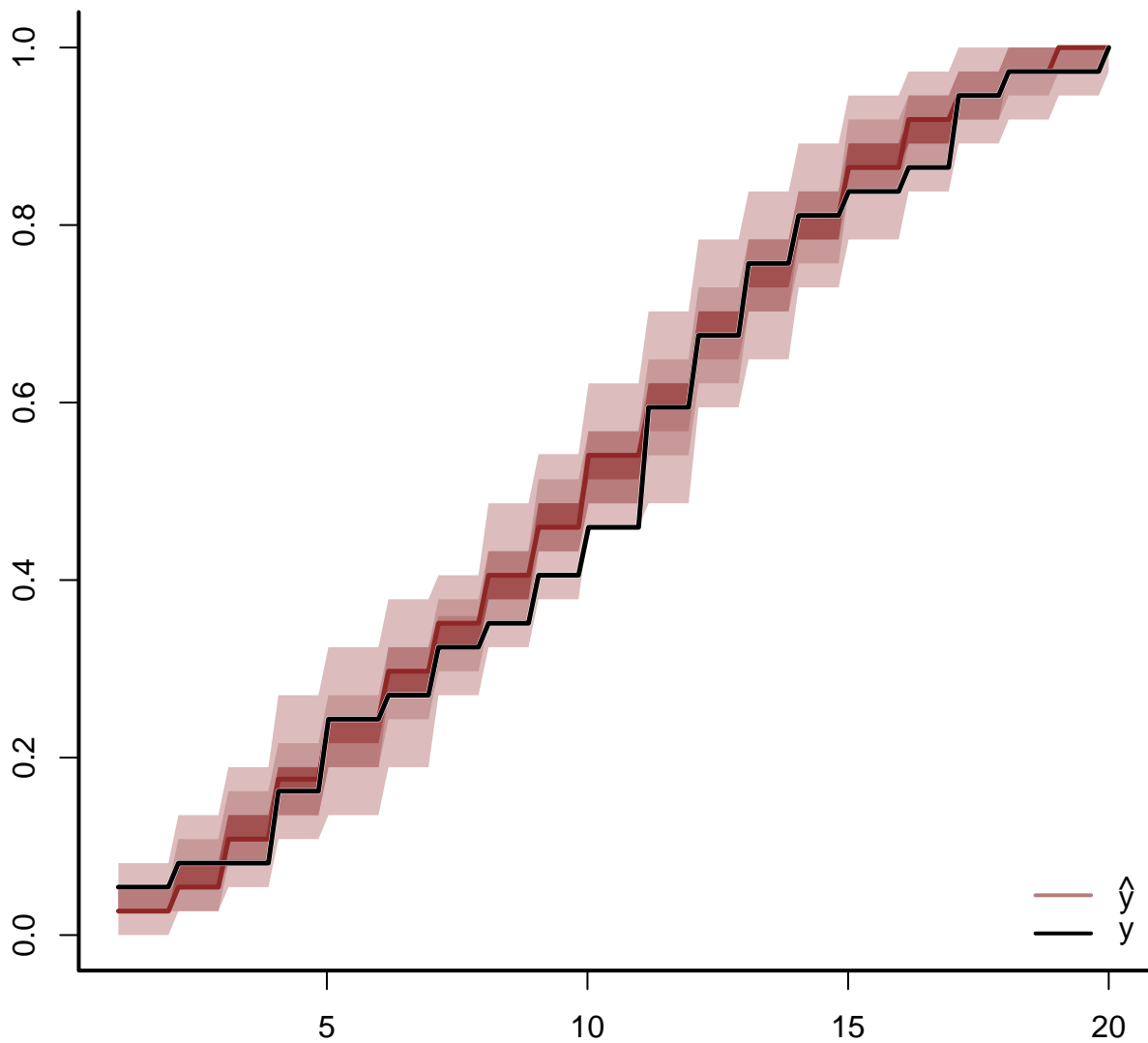
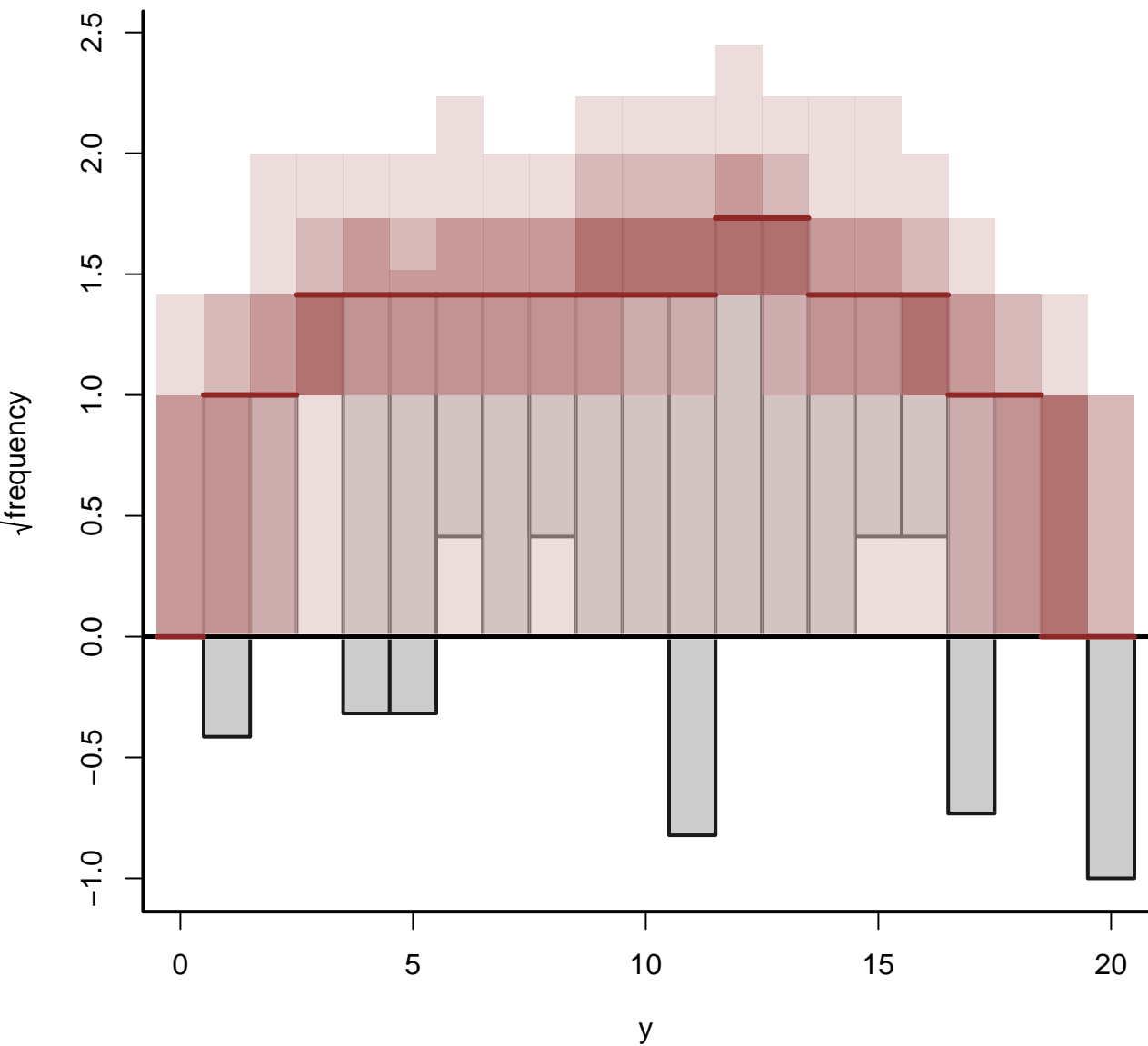


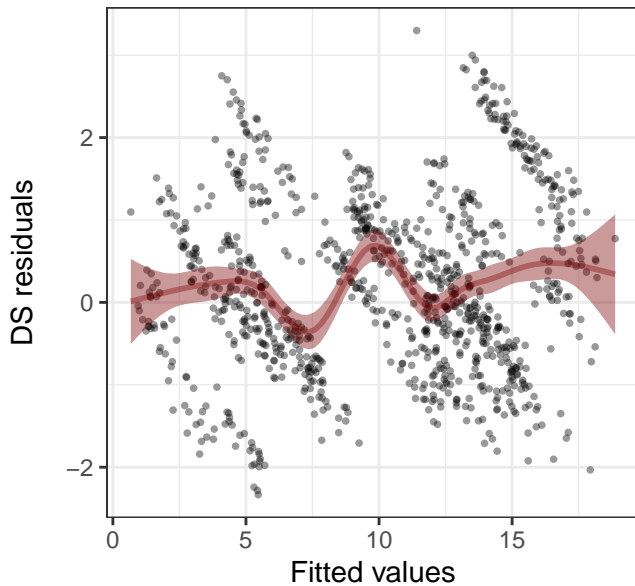
Predictive PIT for series1

Predictive CDF for series1

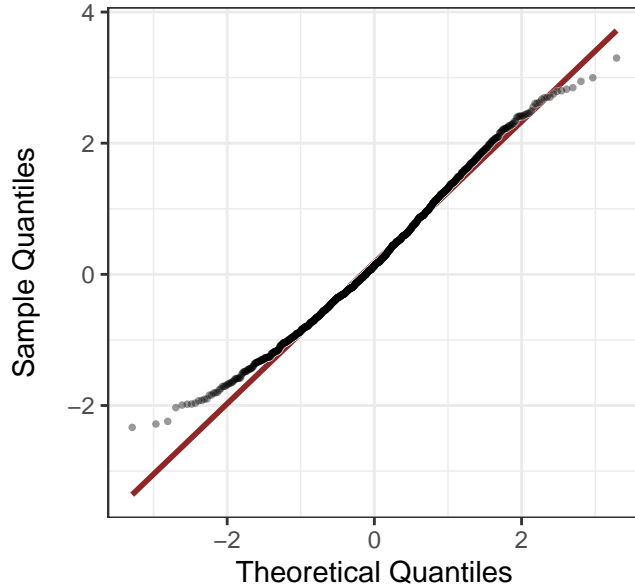




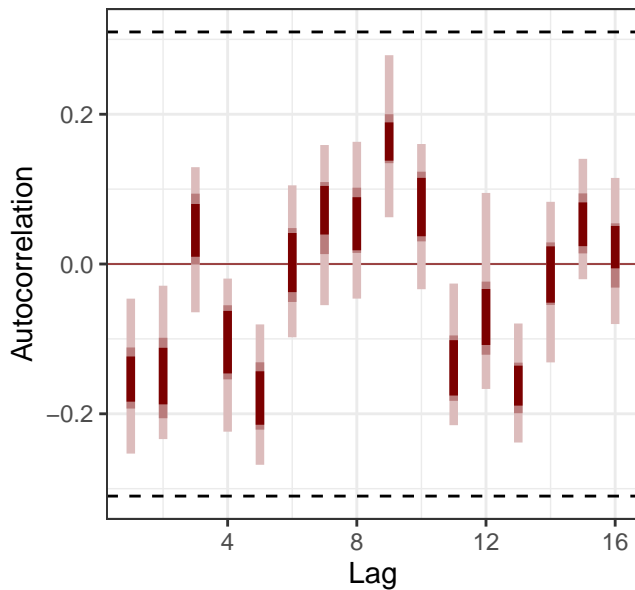
Resids vs Fitted



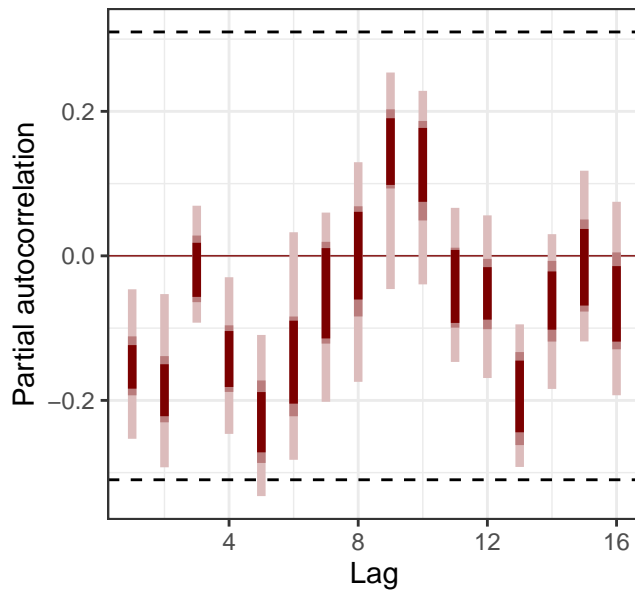
Normal Q-Q Plot

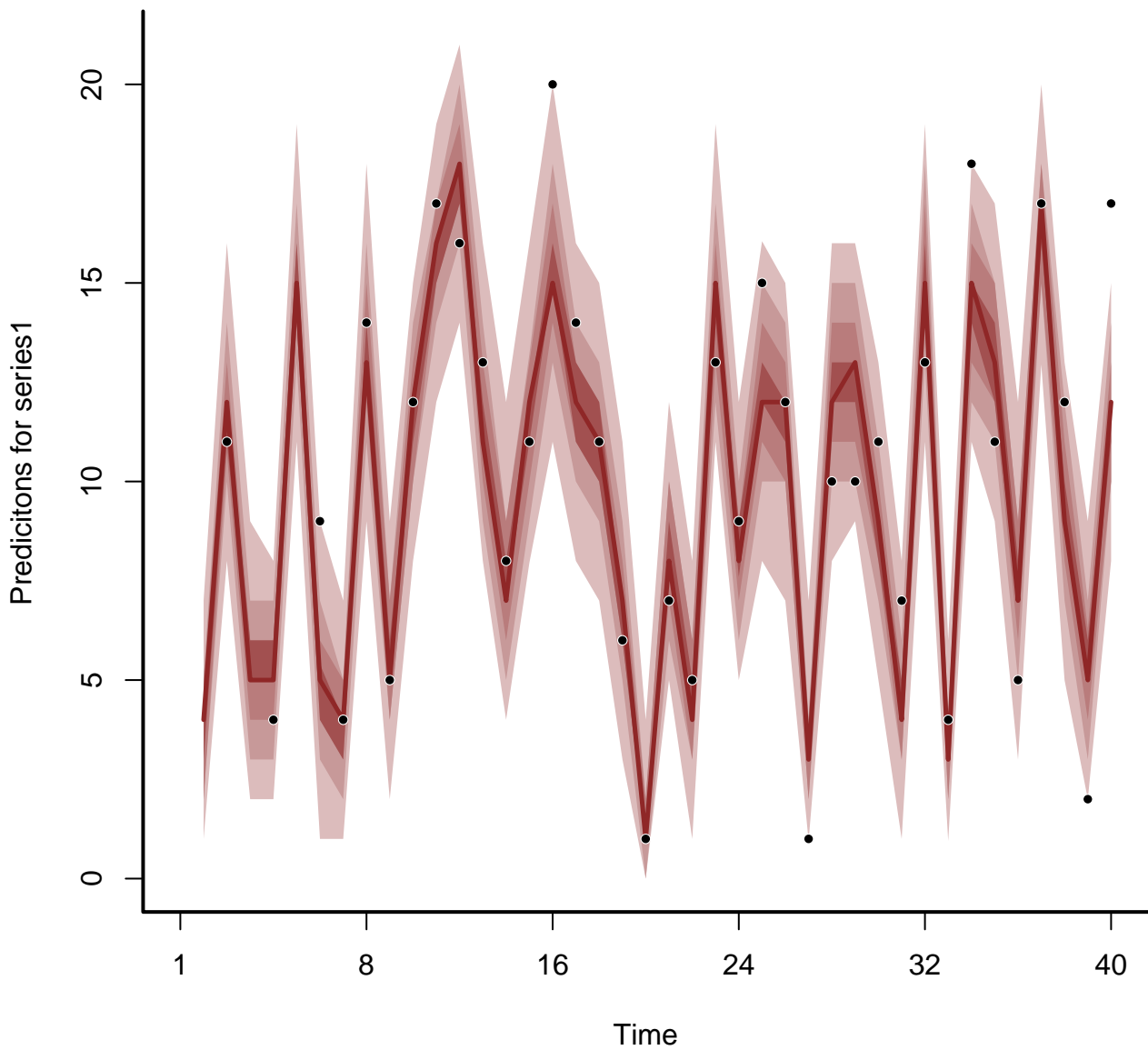


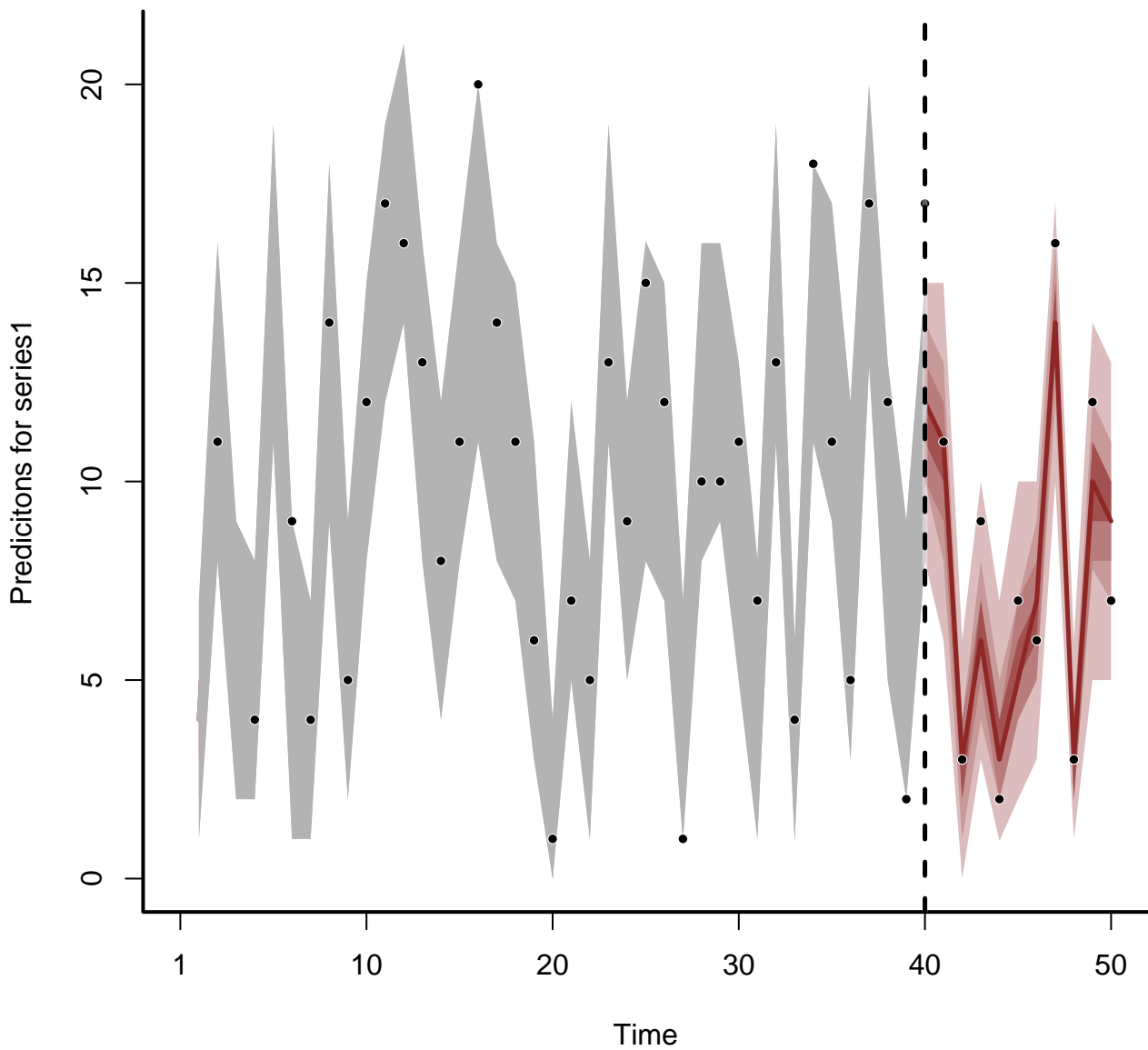
ACF

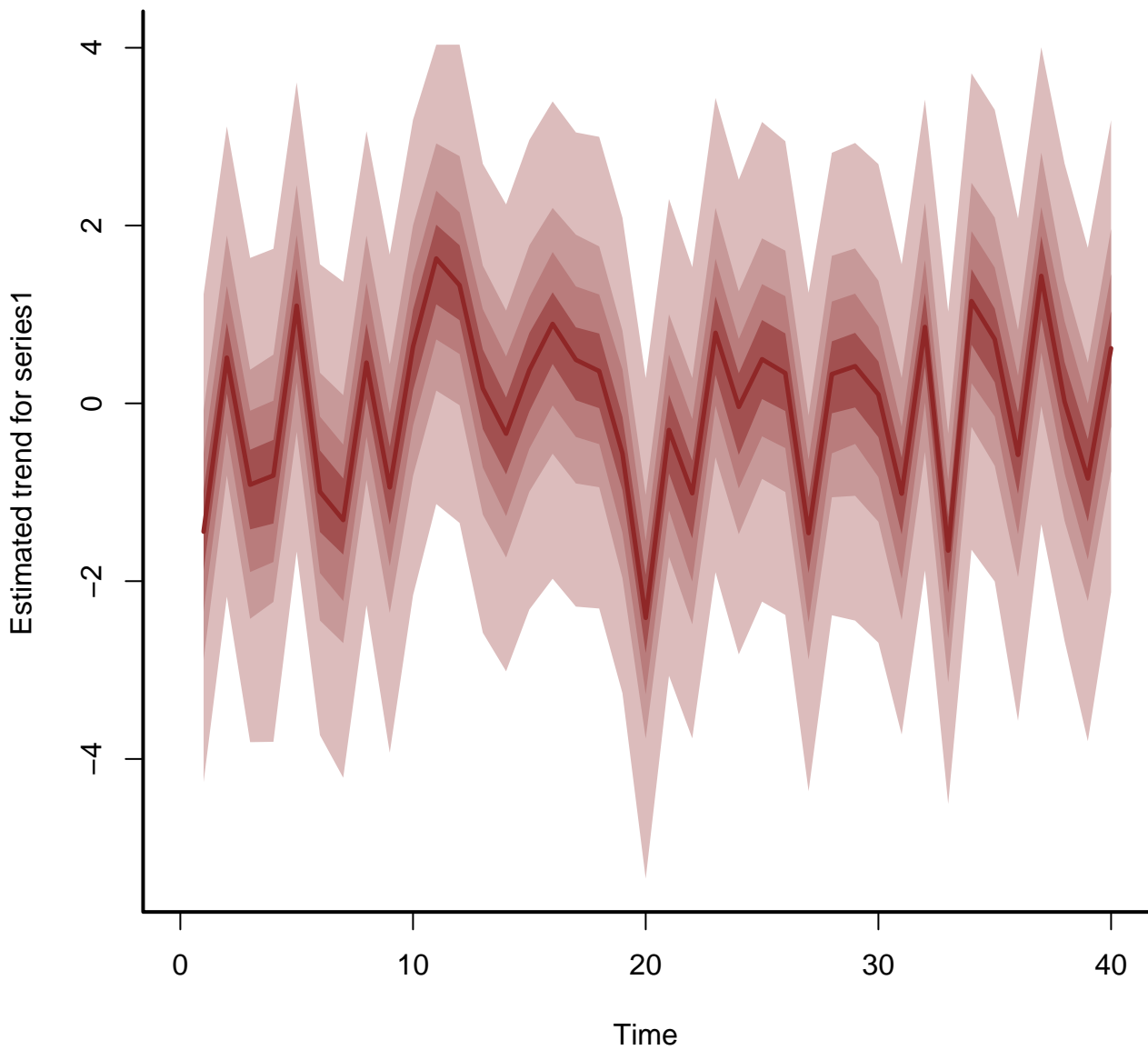


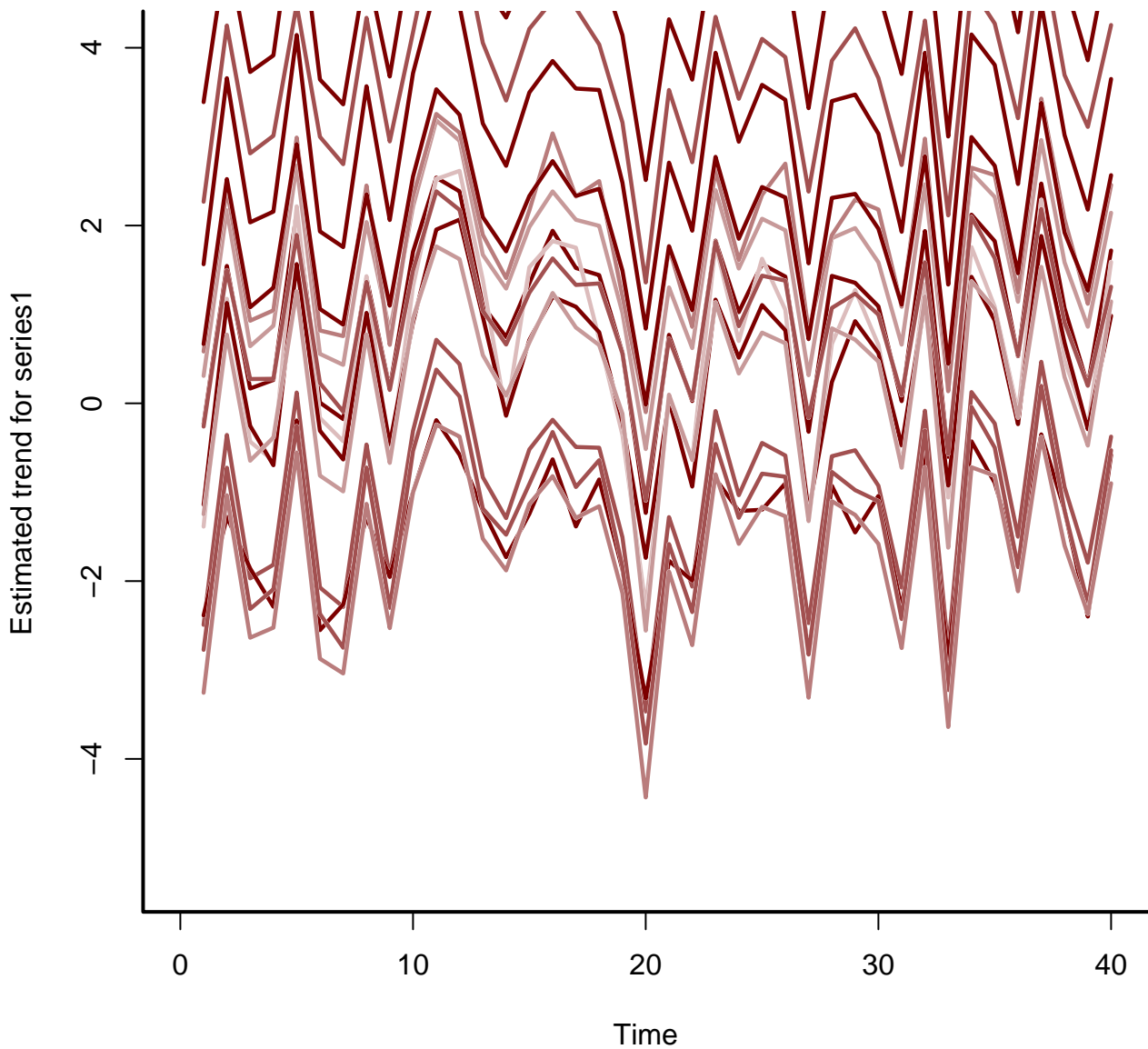
pACF

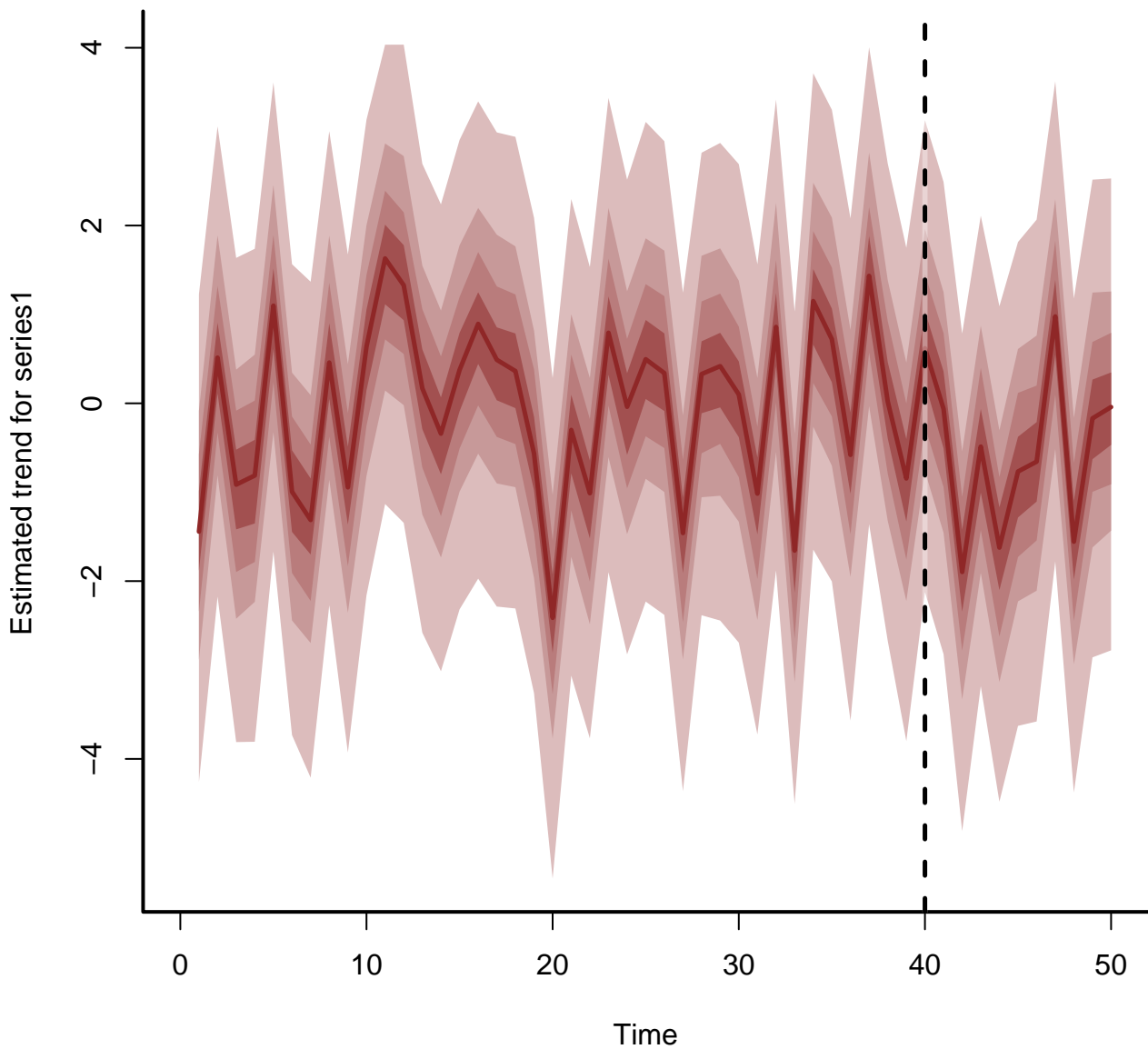


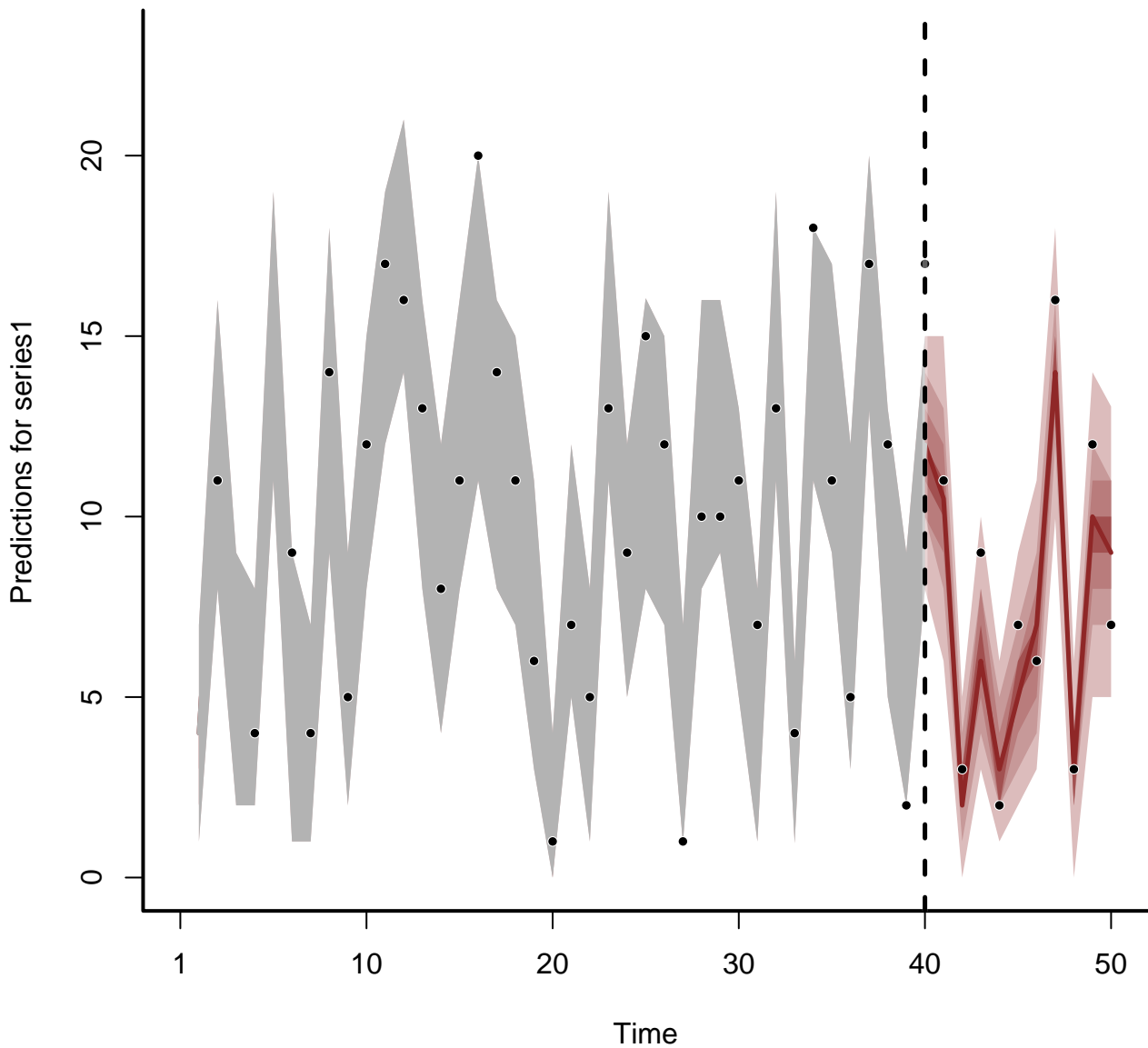


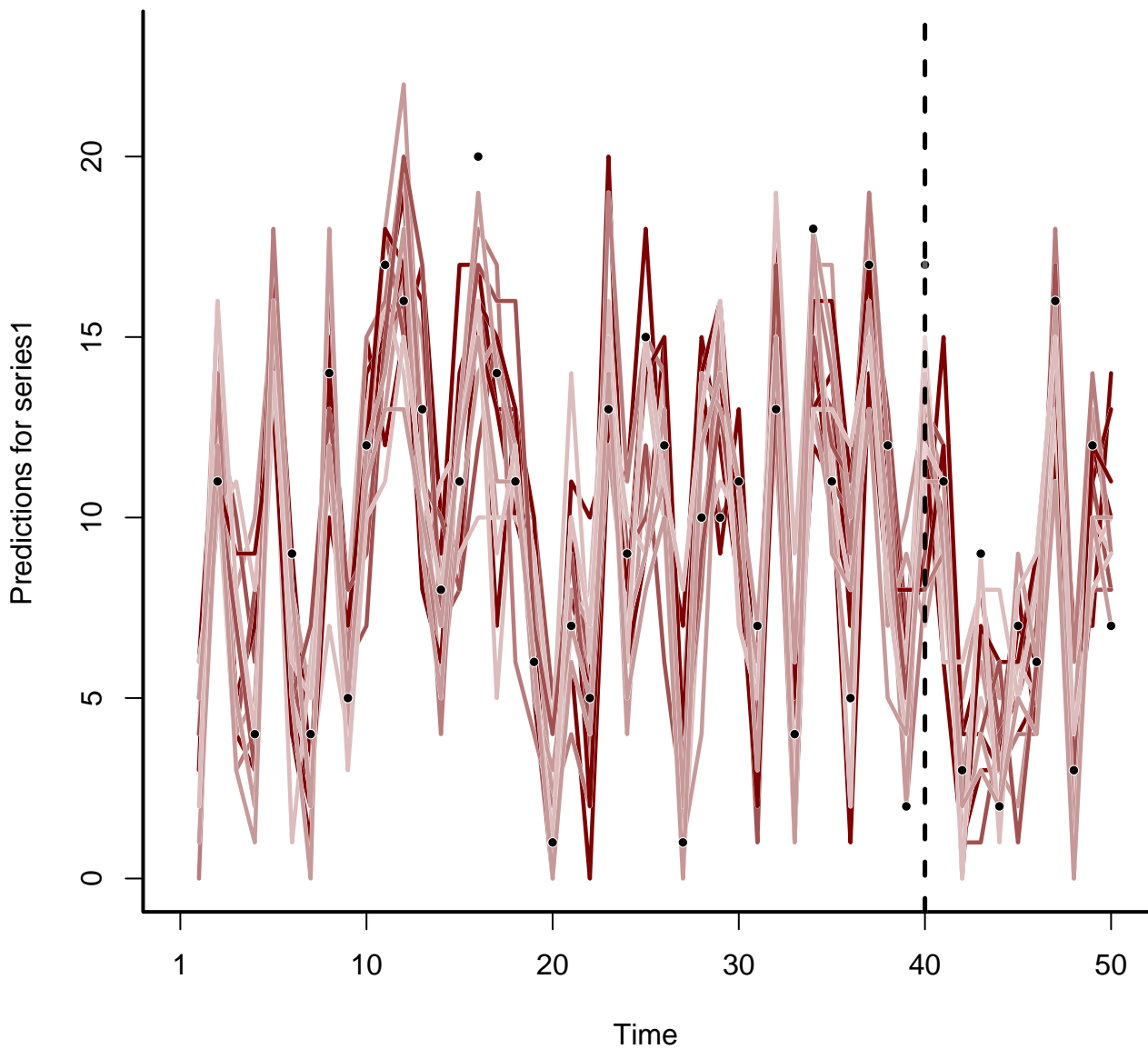




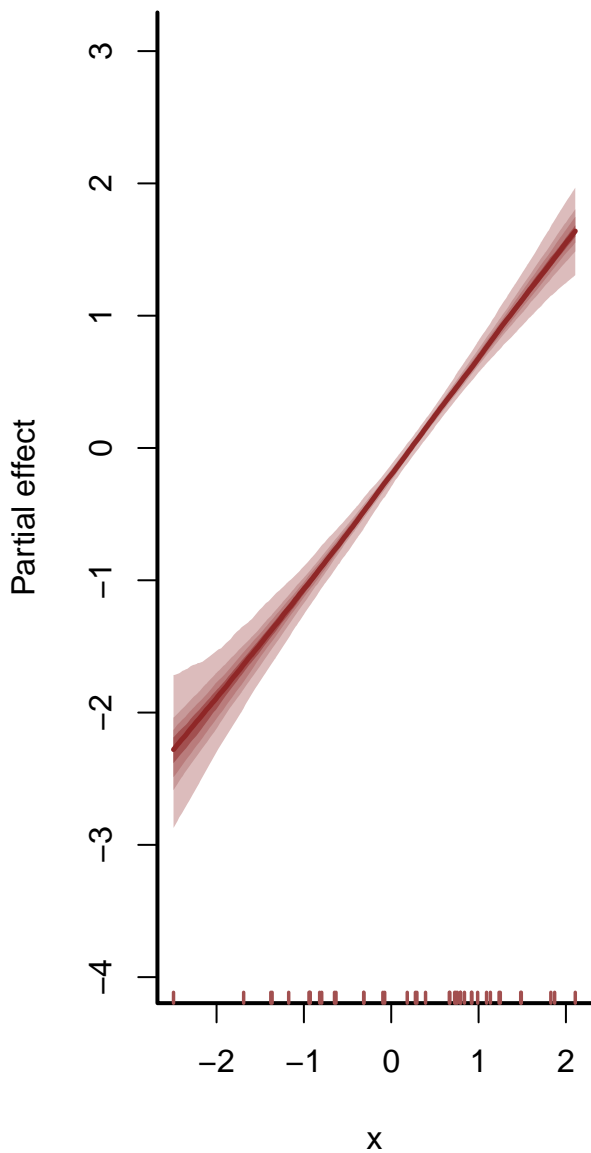




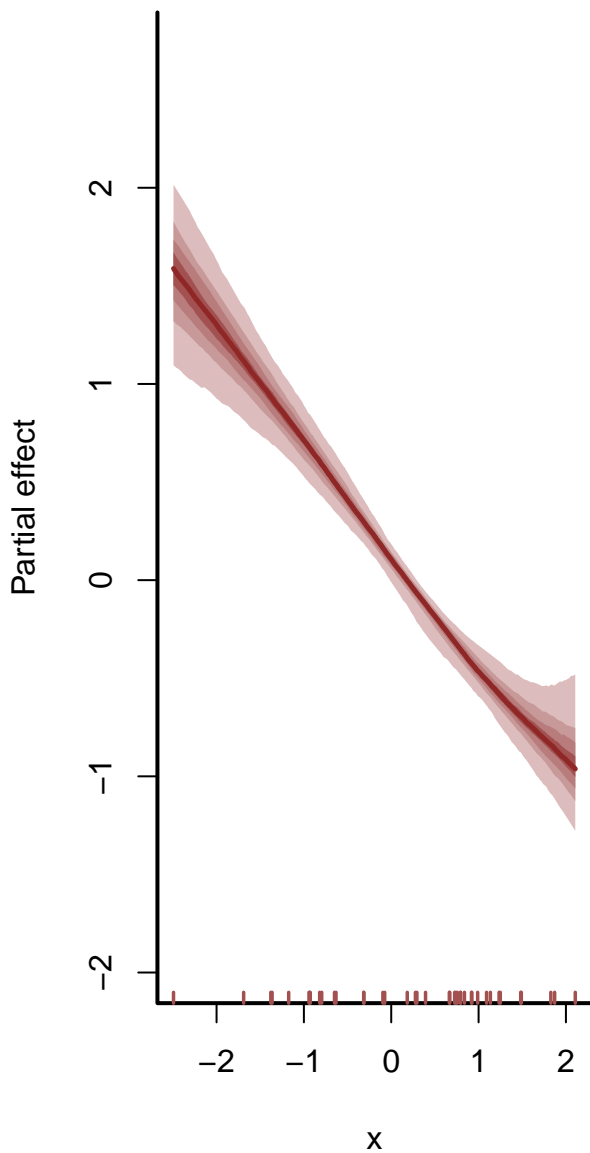




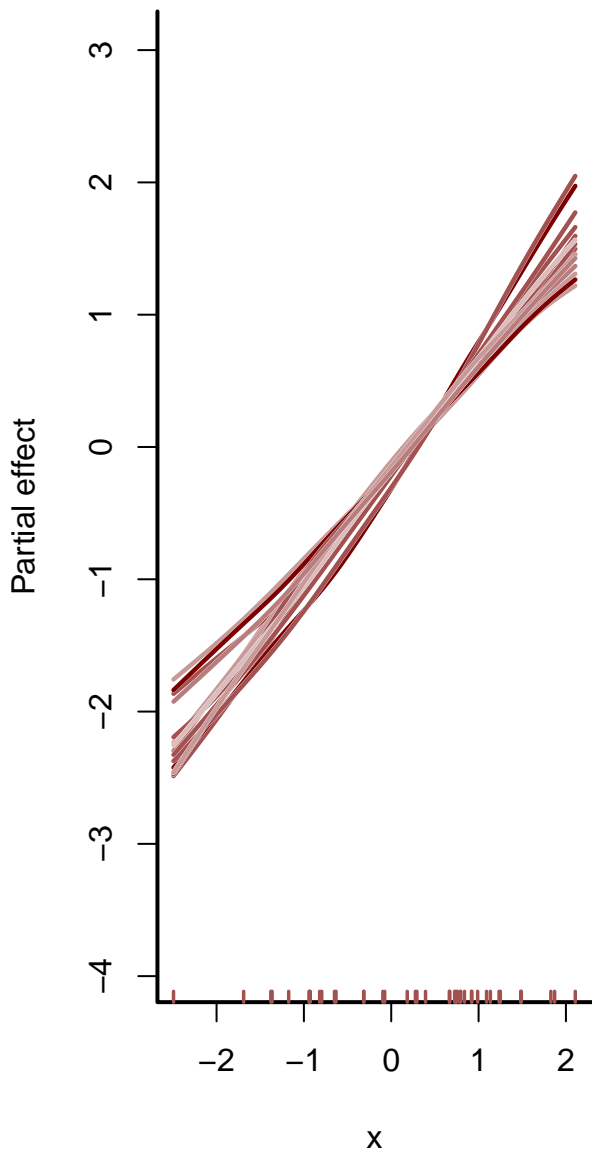
s(x):trendtrend1



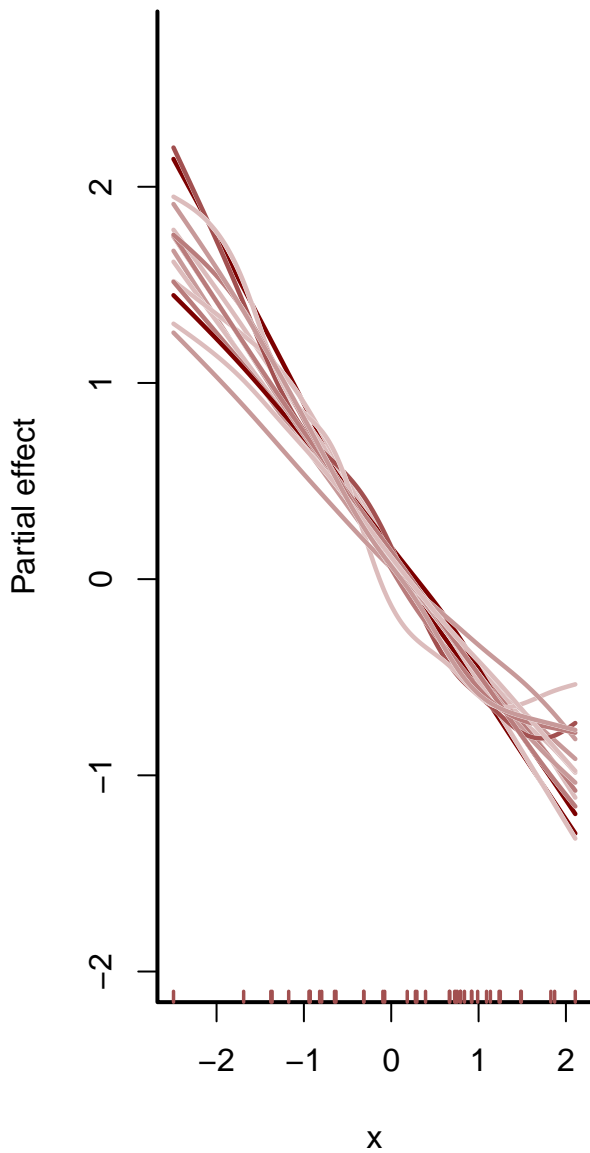
s(x):trendtrend2



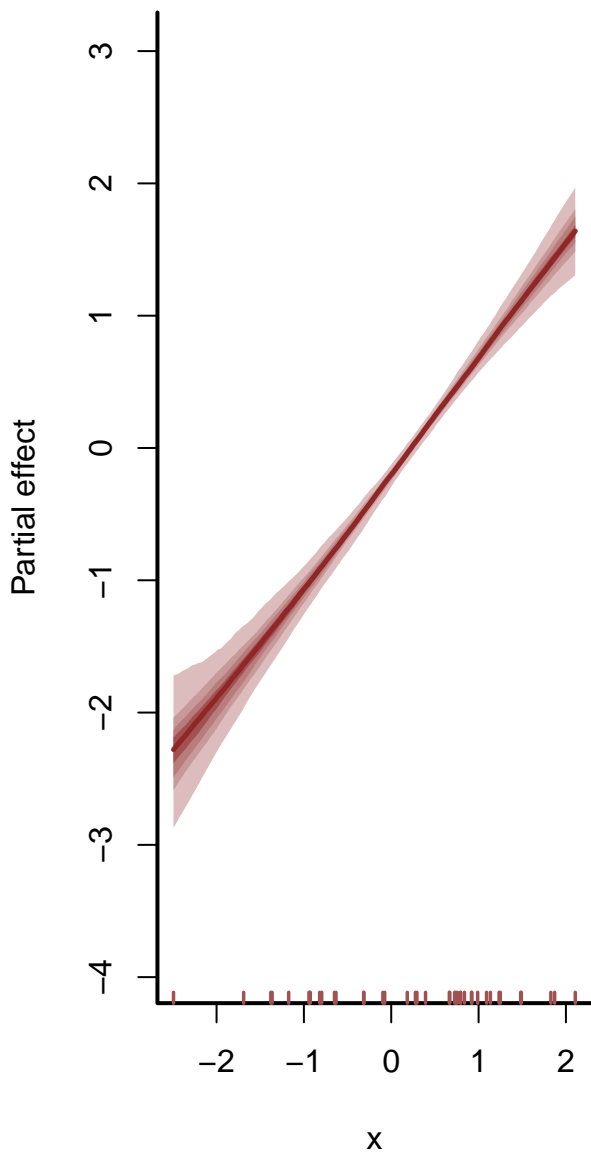
s(x):trendtrend1



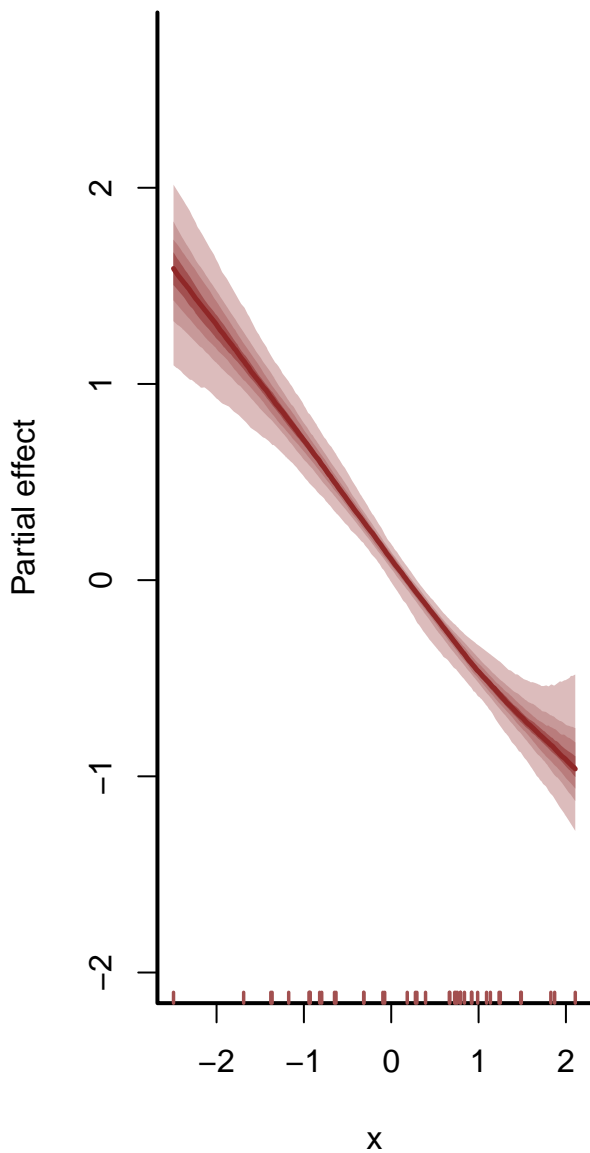
s(x):trendtrend2



s(x):trendtrend1



s(x):trendtrend2



series

Partial effect

0.4

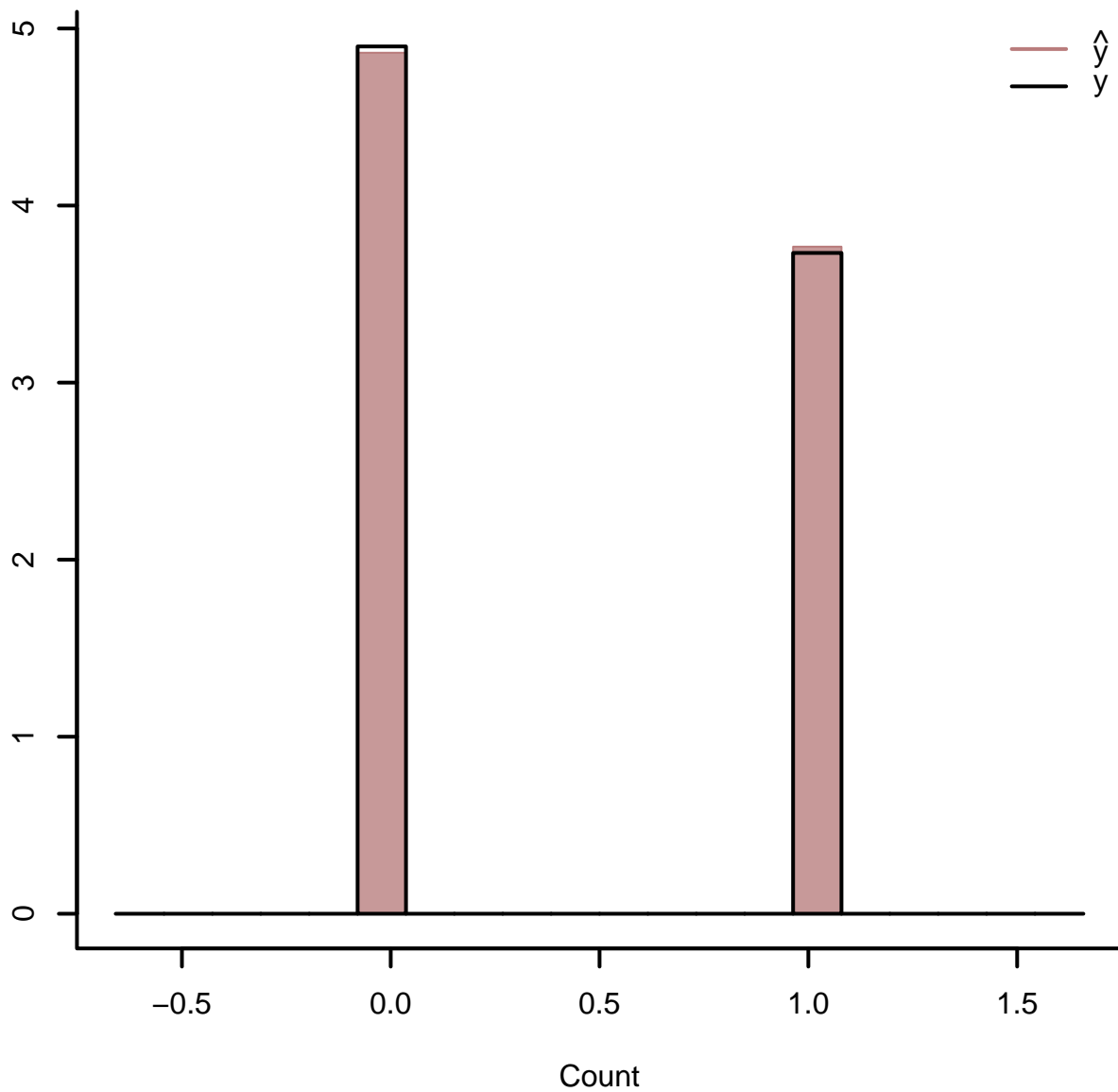
0.2

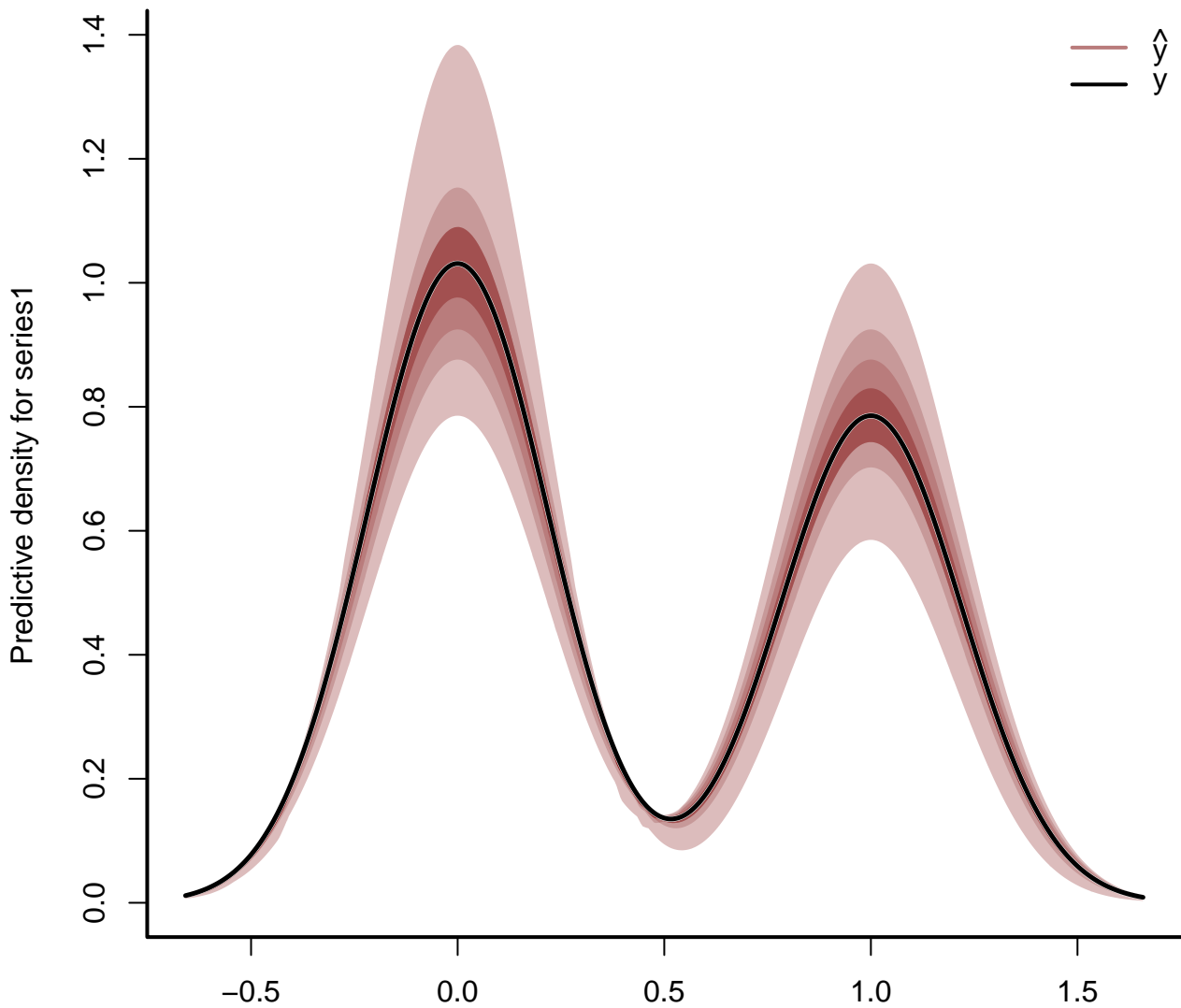
0.0

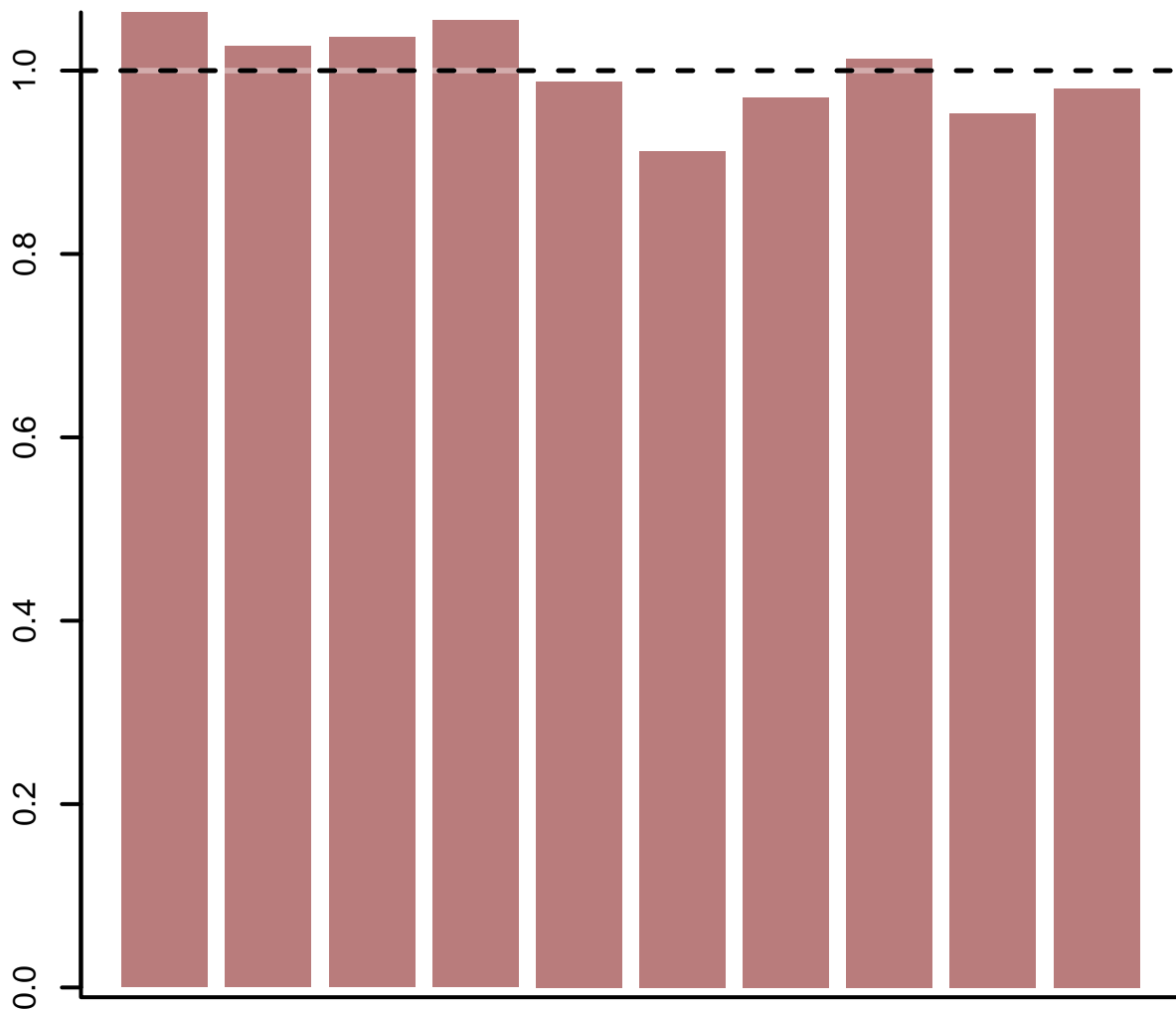
-0.2

-0.4



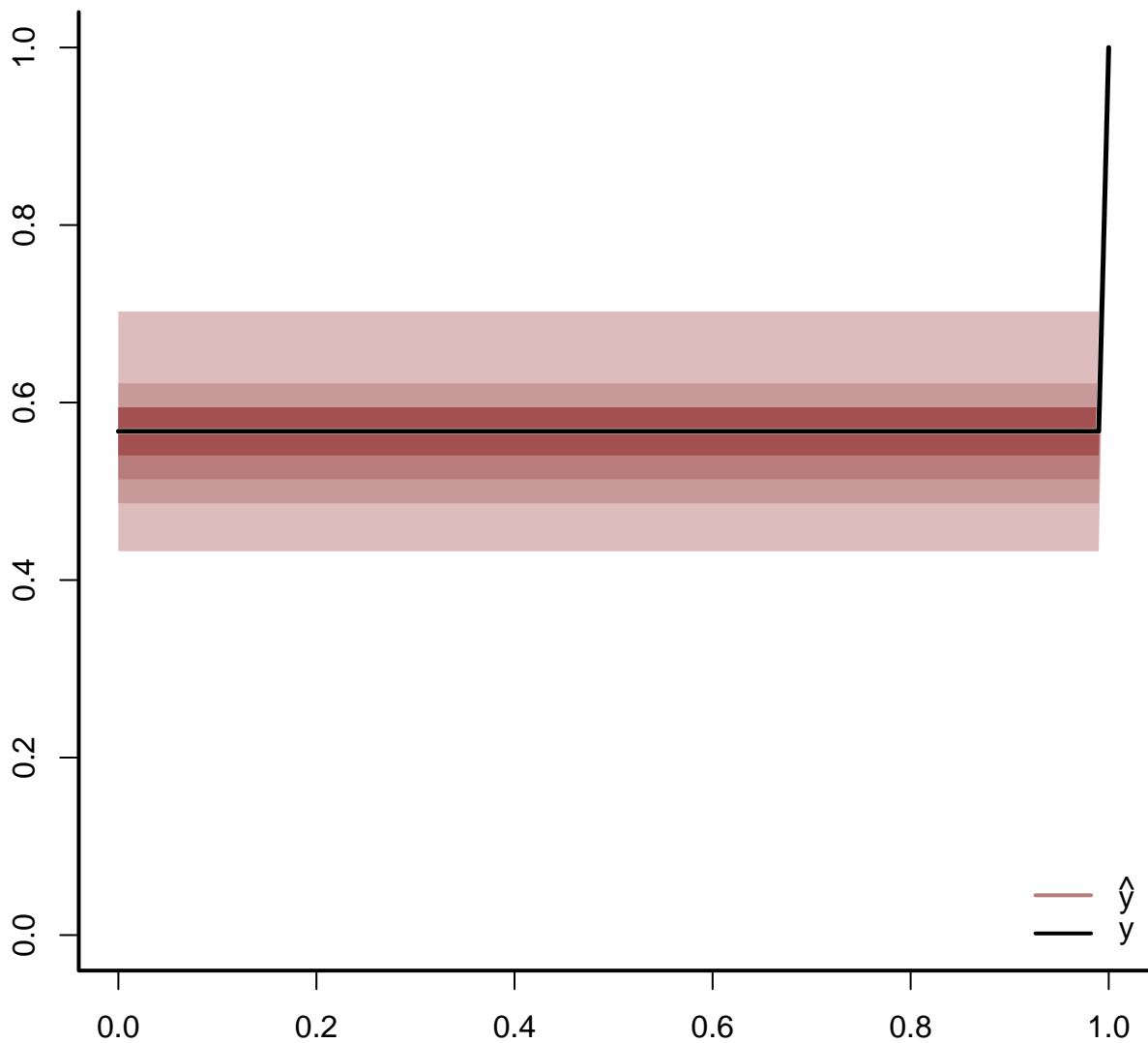




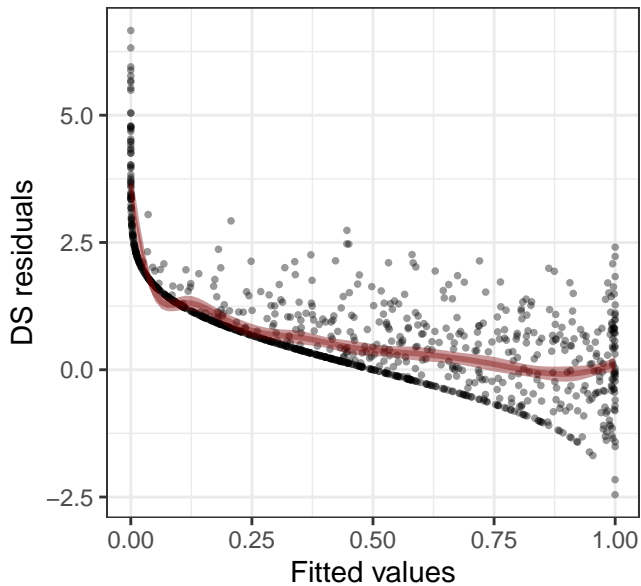


Predictive PIT for series1

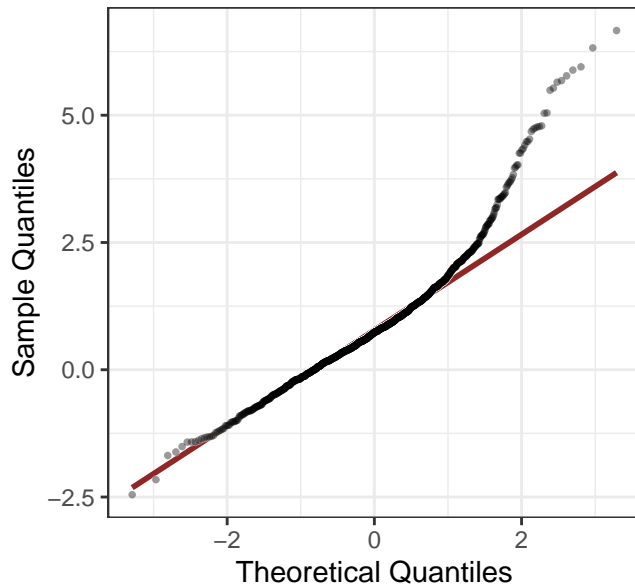
Predictive CDF for series1



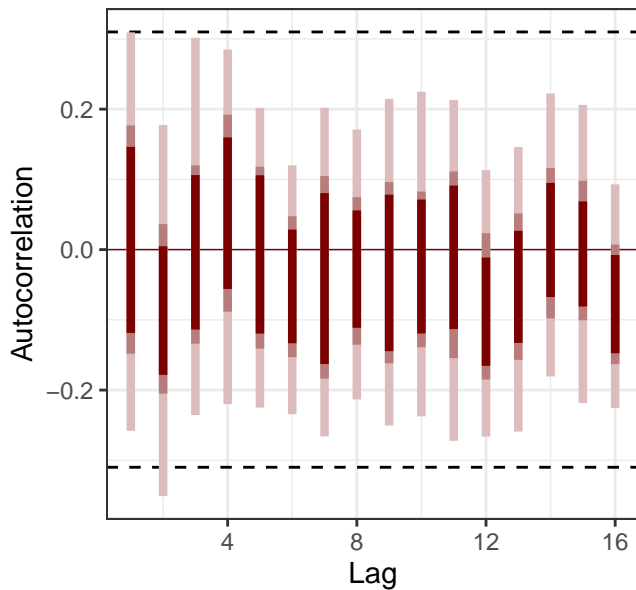
Resids vs Fitted



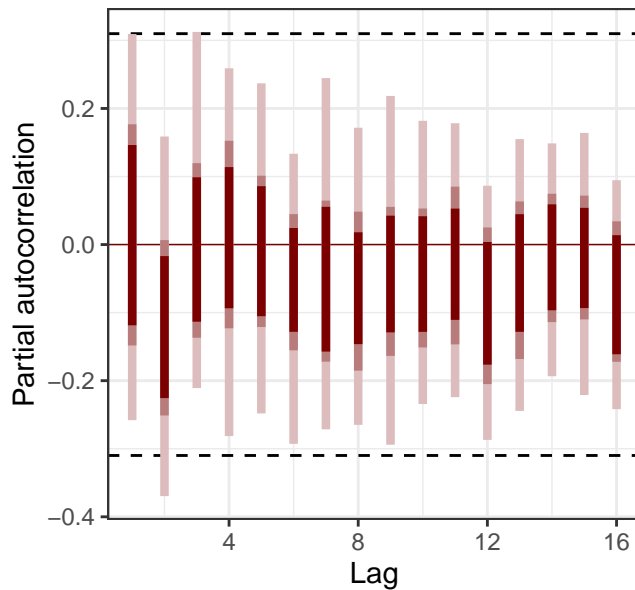
Normal Q-Q Plot

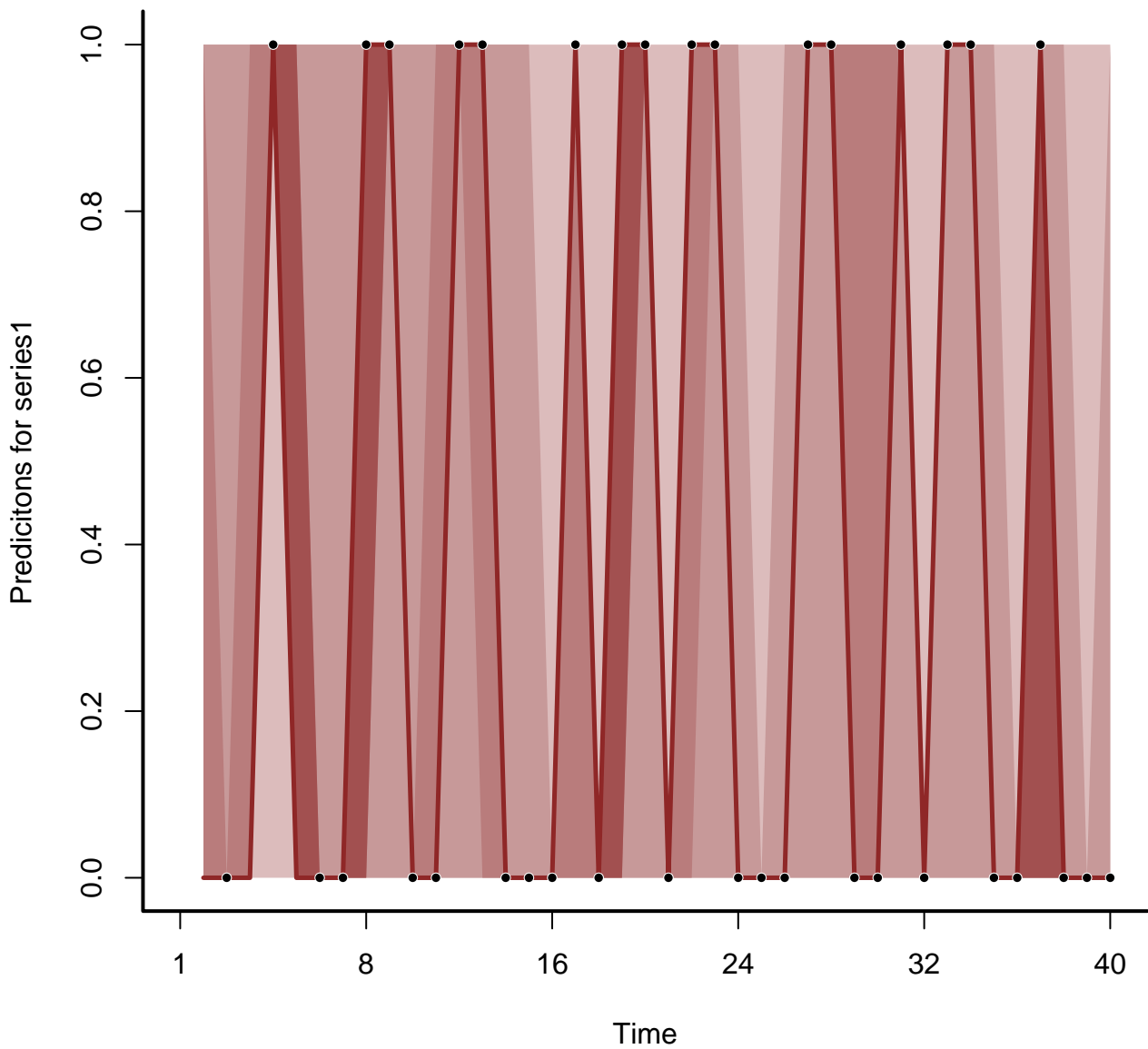


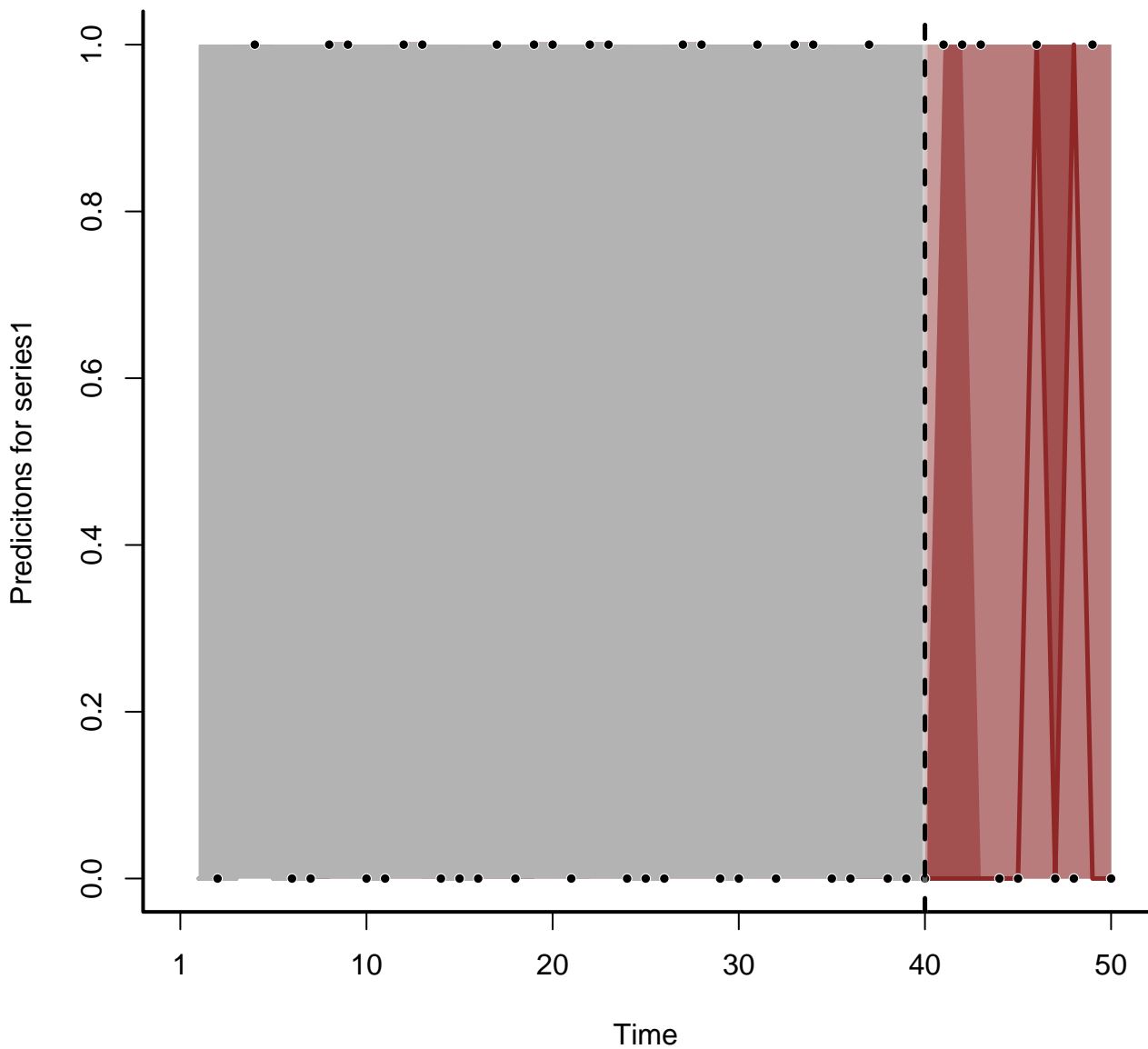
ACF

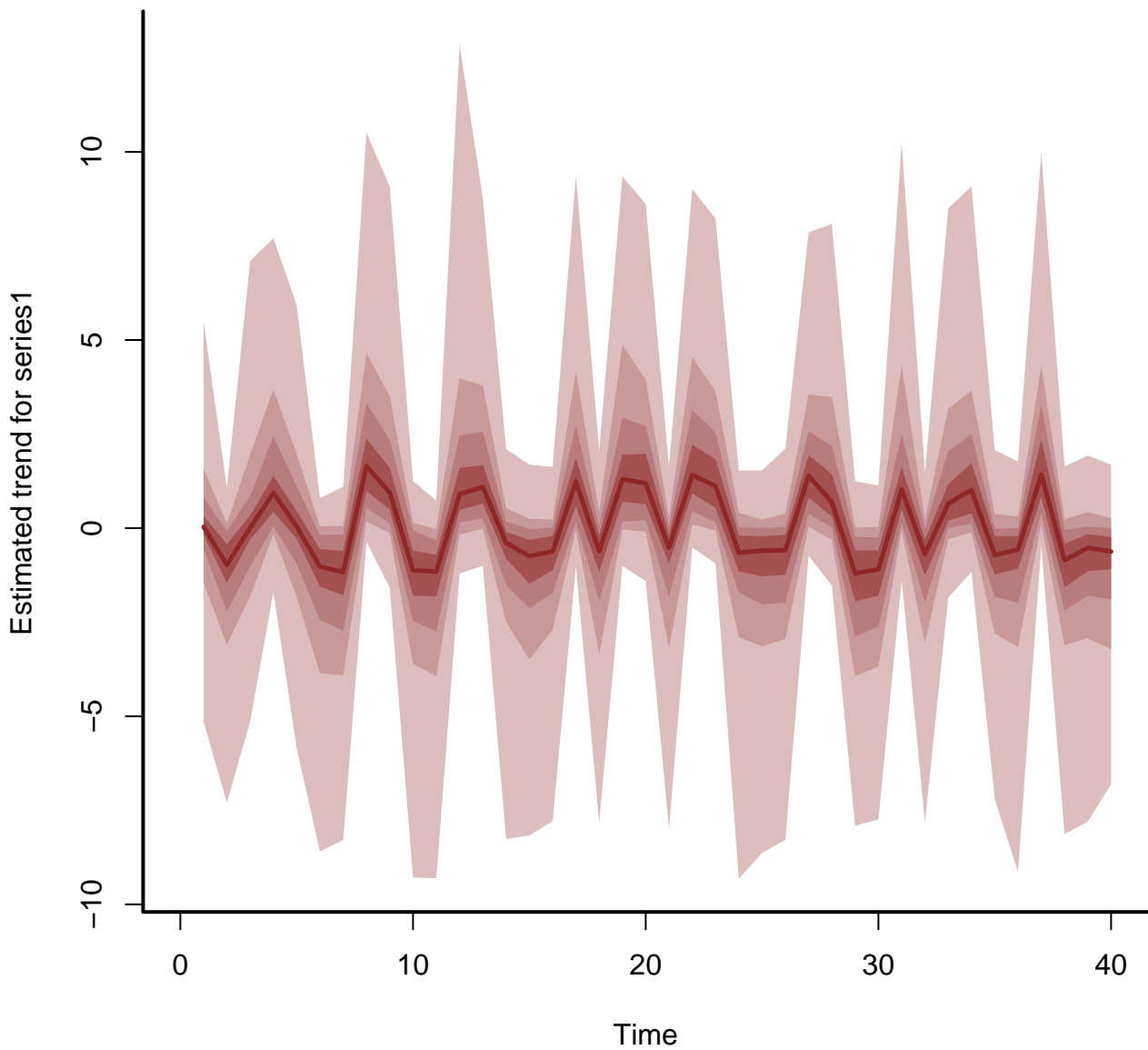


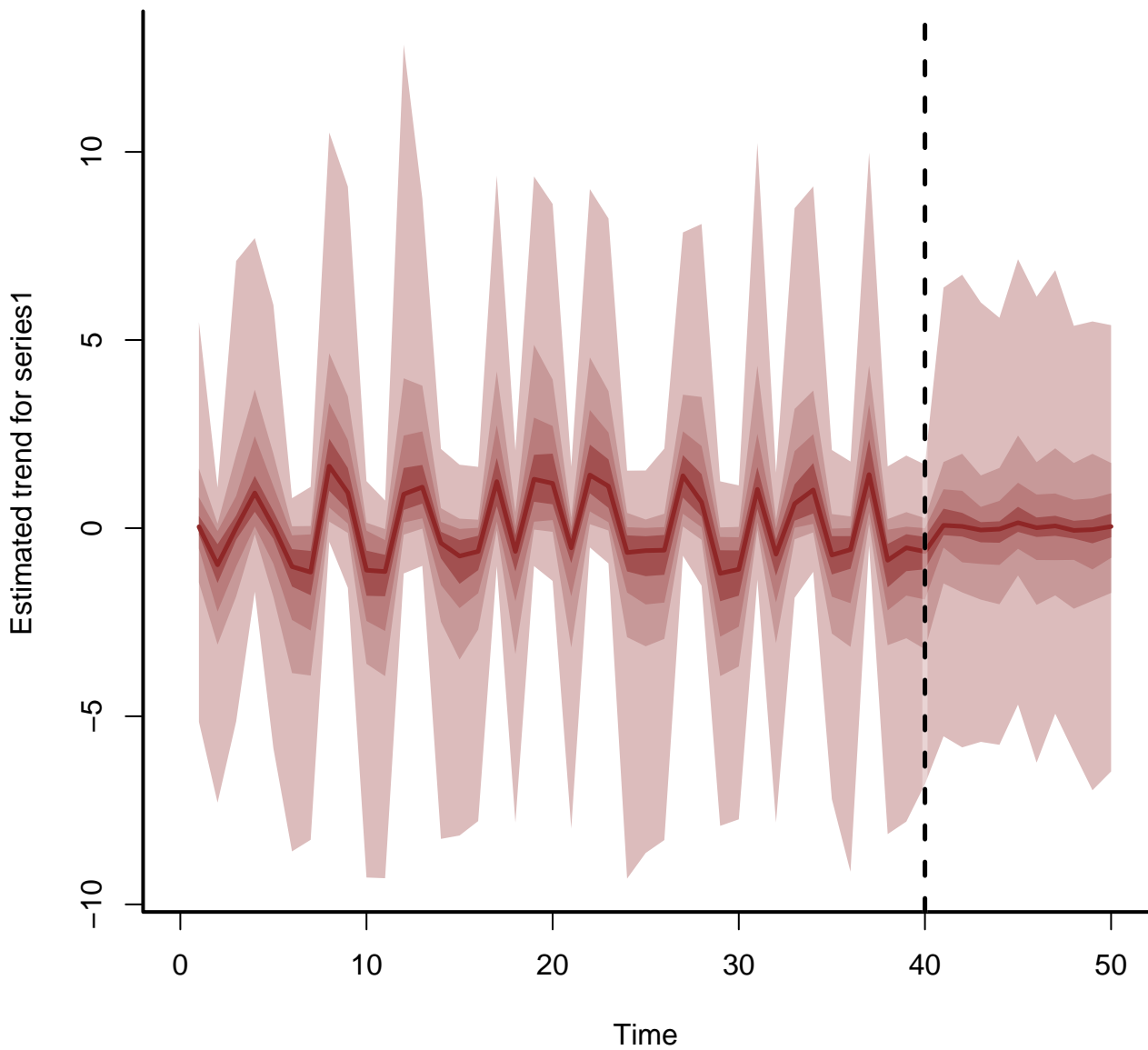
pACF











s(series)

Partial effect

2

1

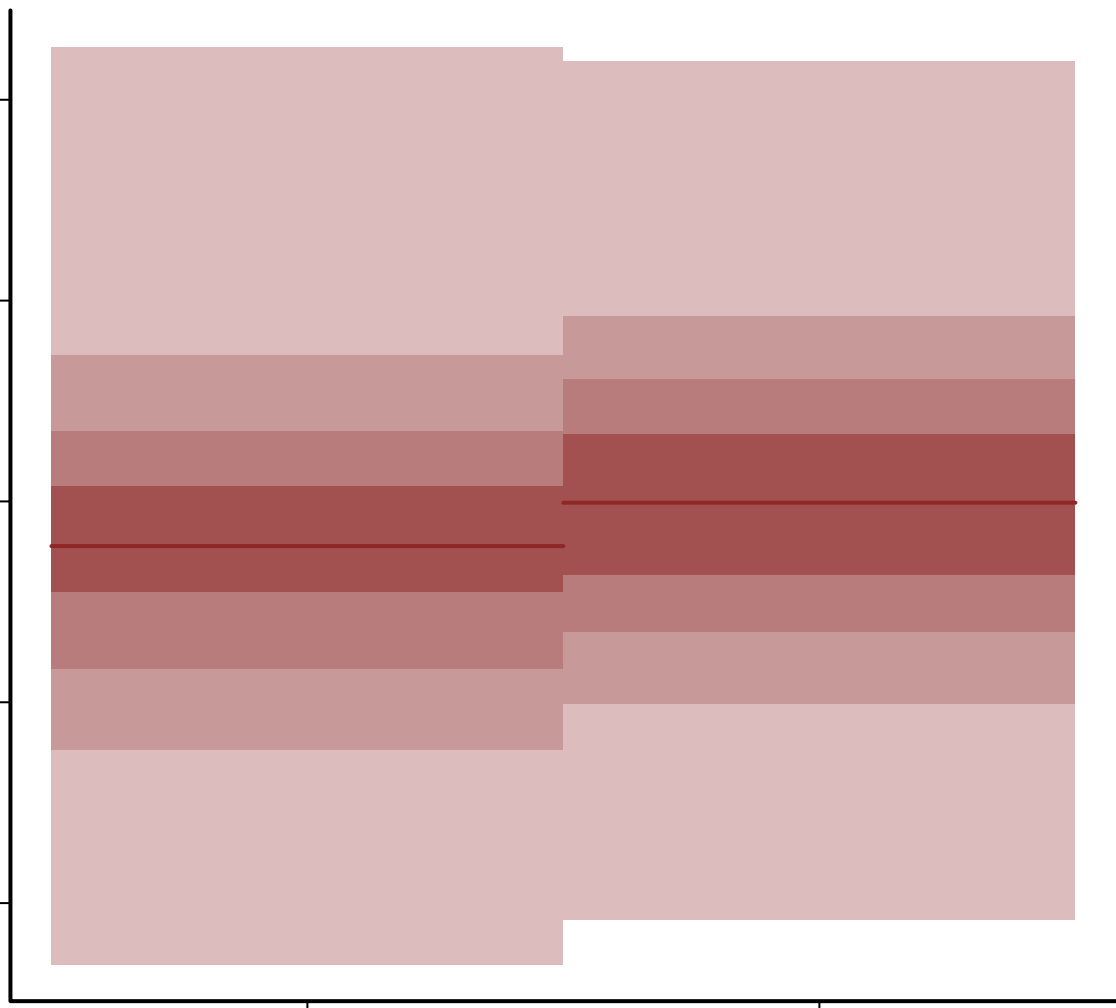
0

-1

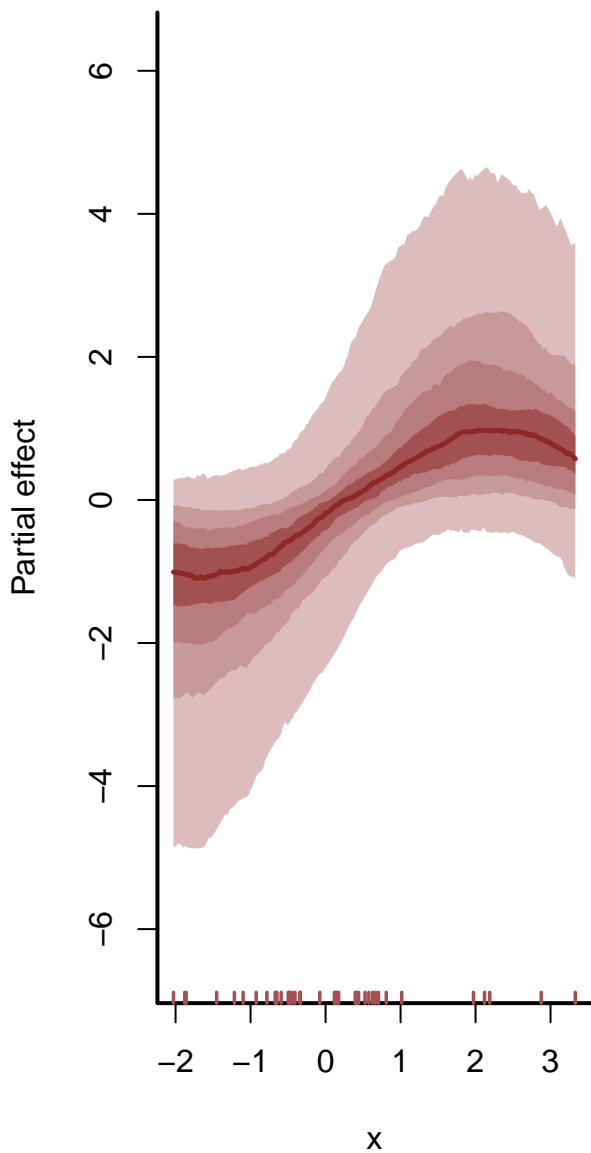
-2

series1

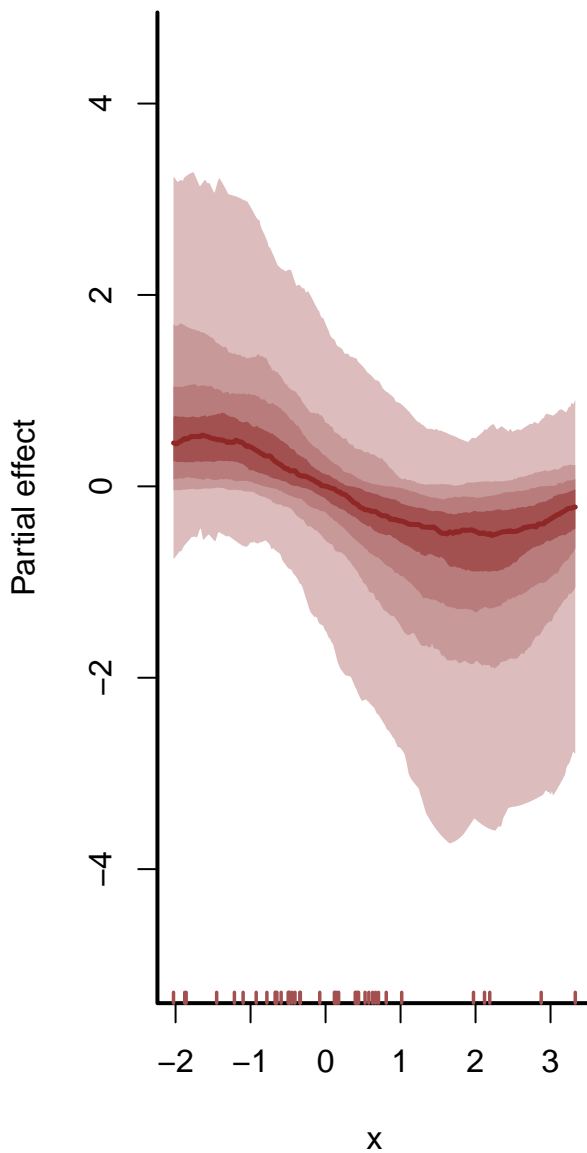
series2



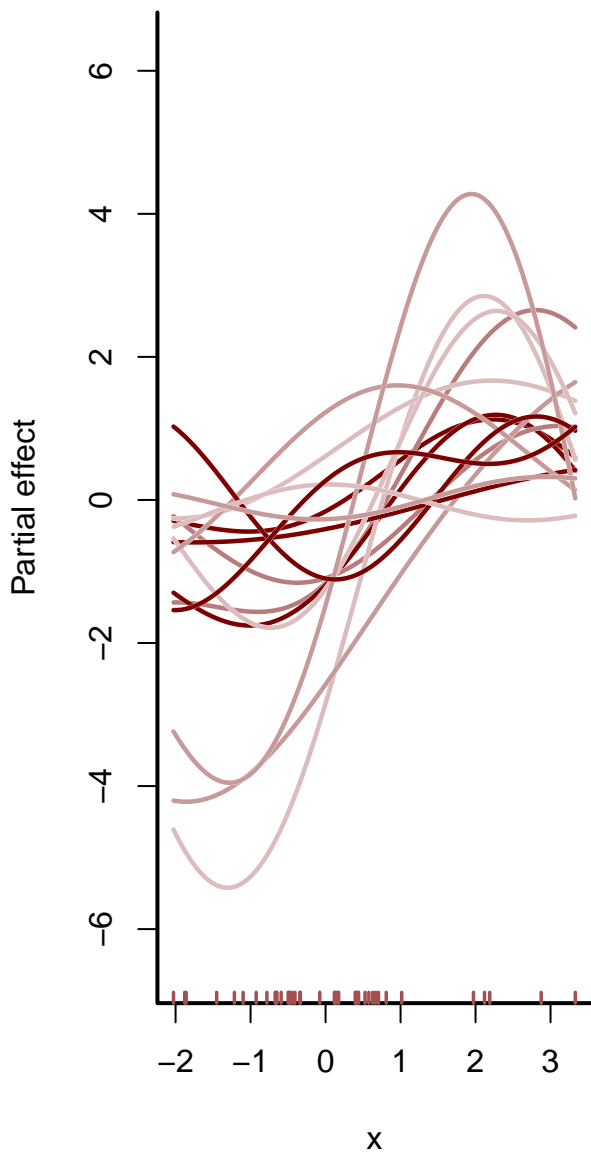
gp(x):series1



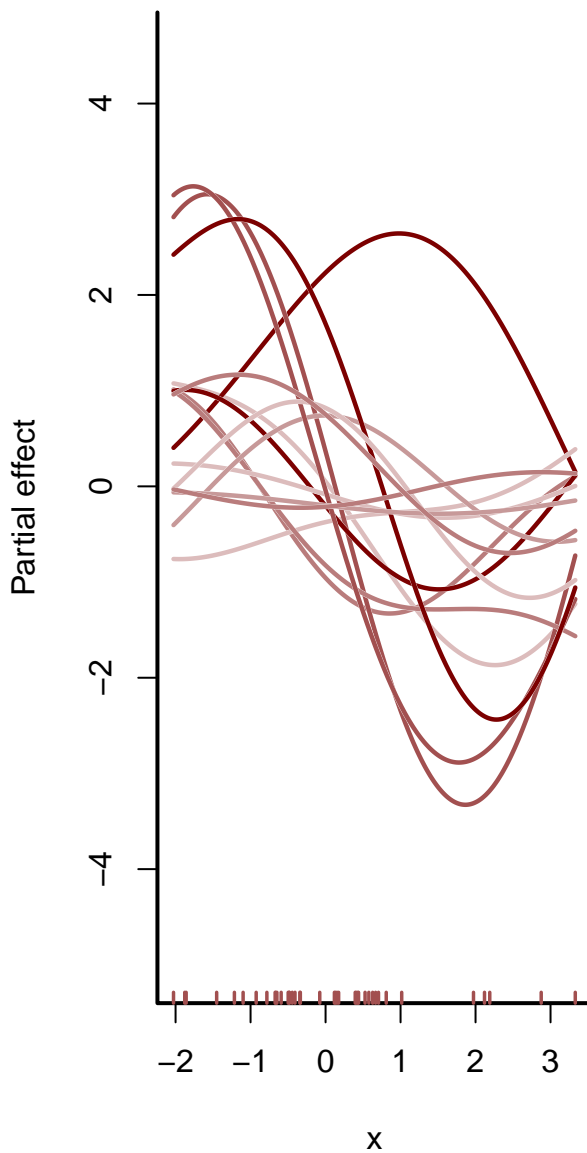
gp(x):series2



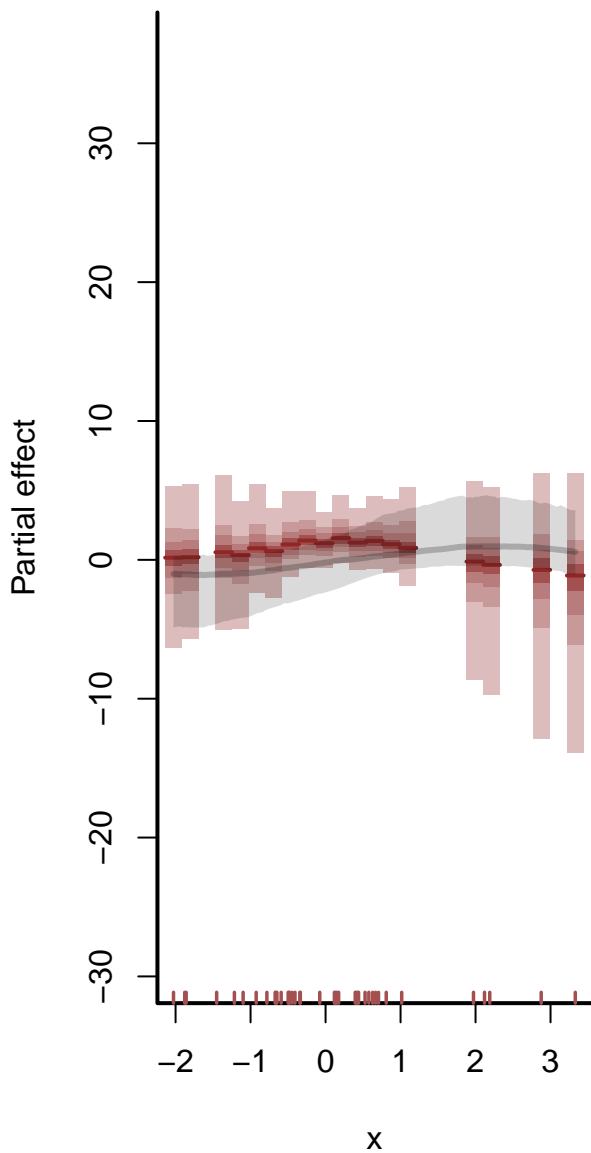
gp(x):series1



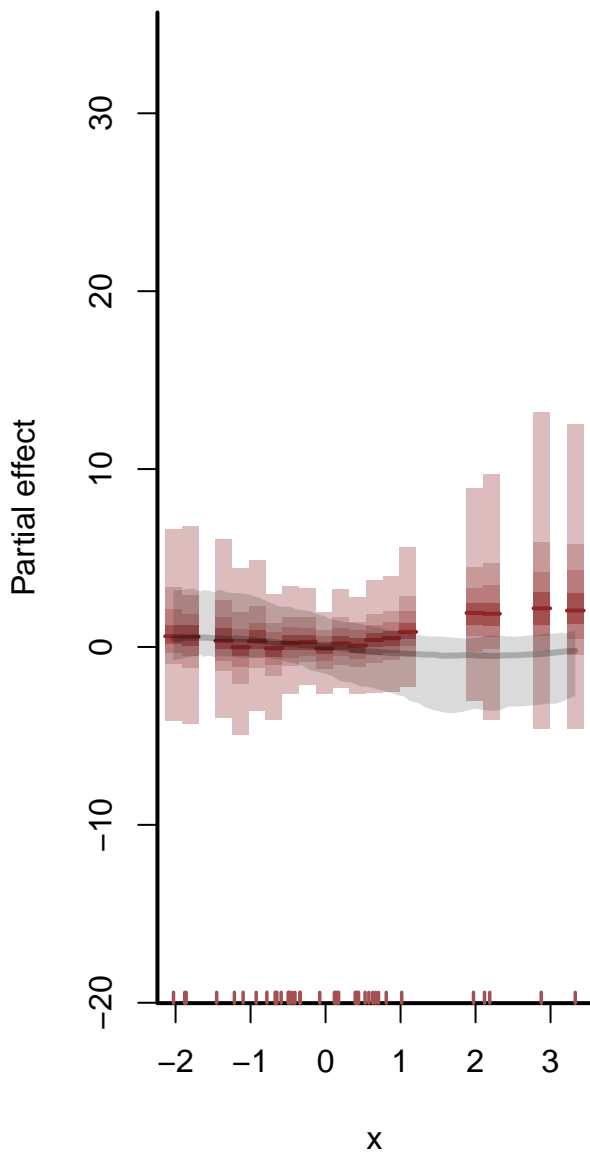
gp(x):series2



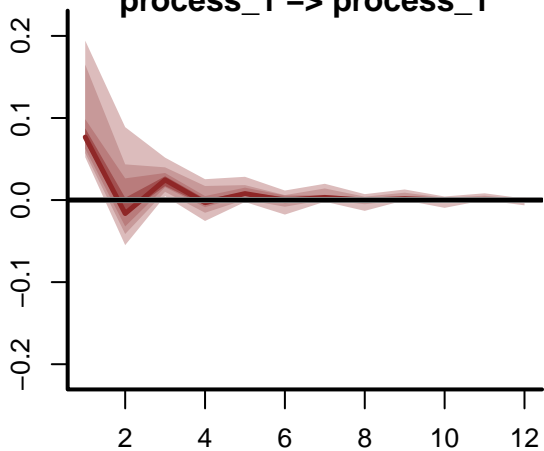
gp(x):series1



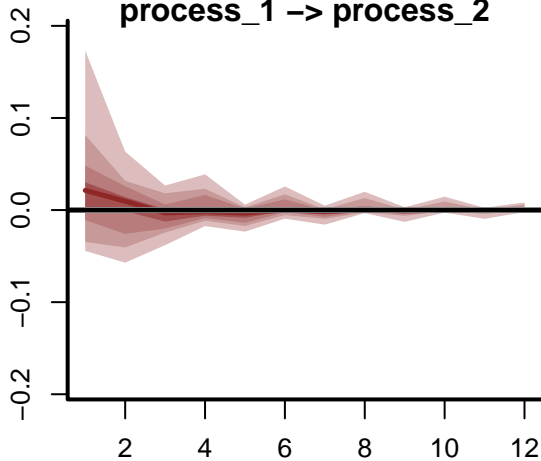
gp(x):series2



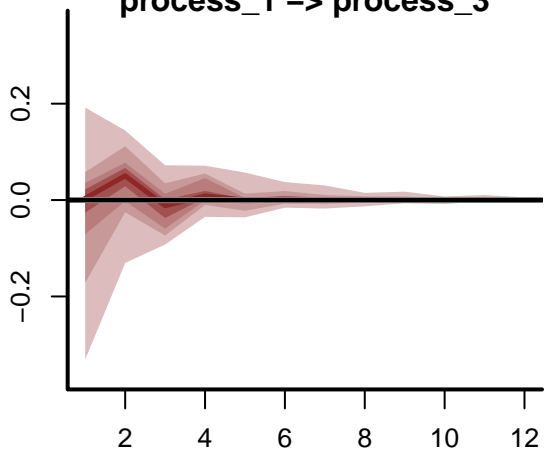
process_1 -> process_1

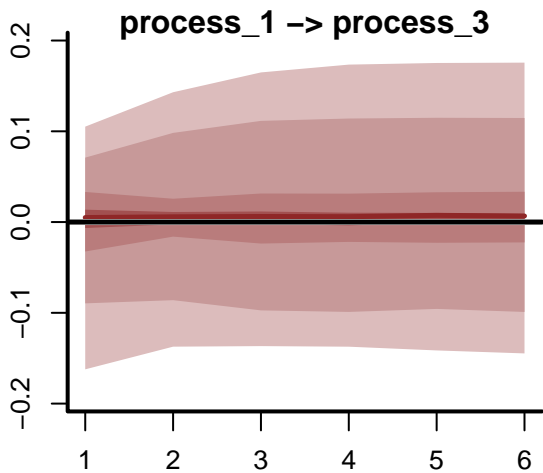
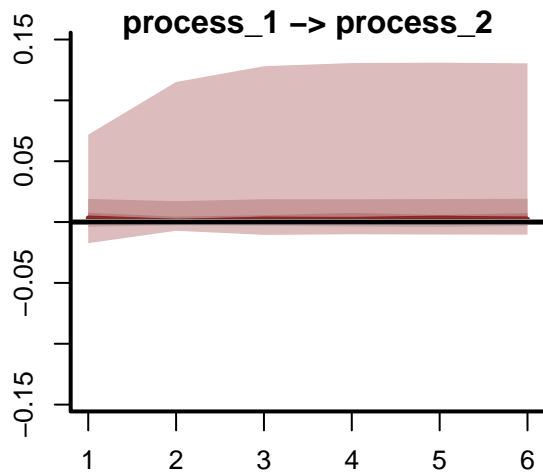
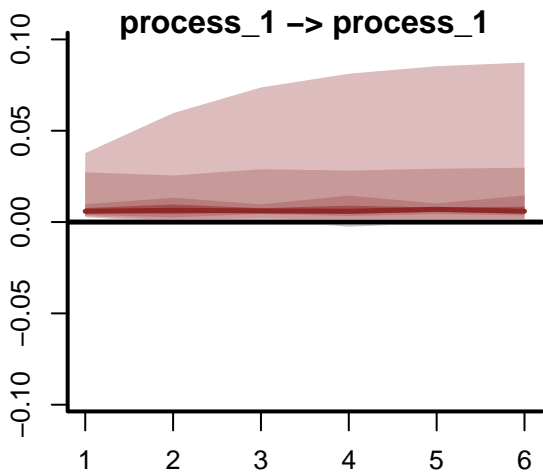


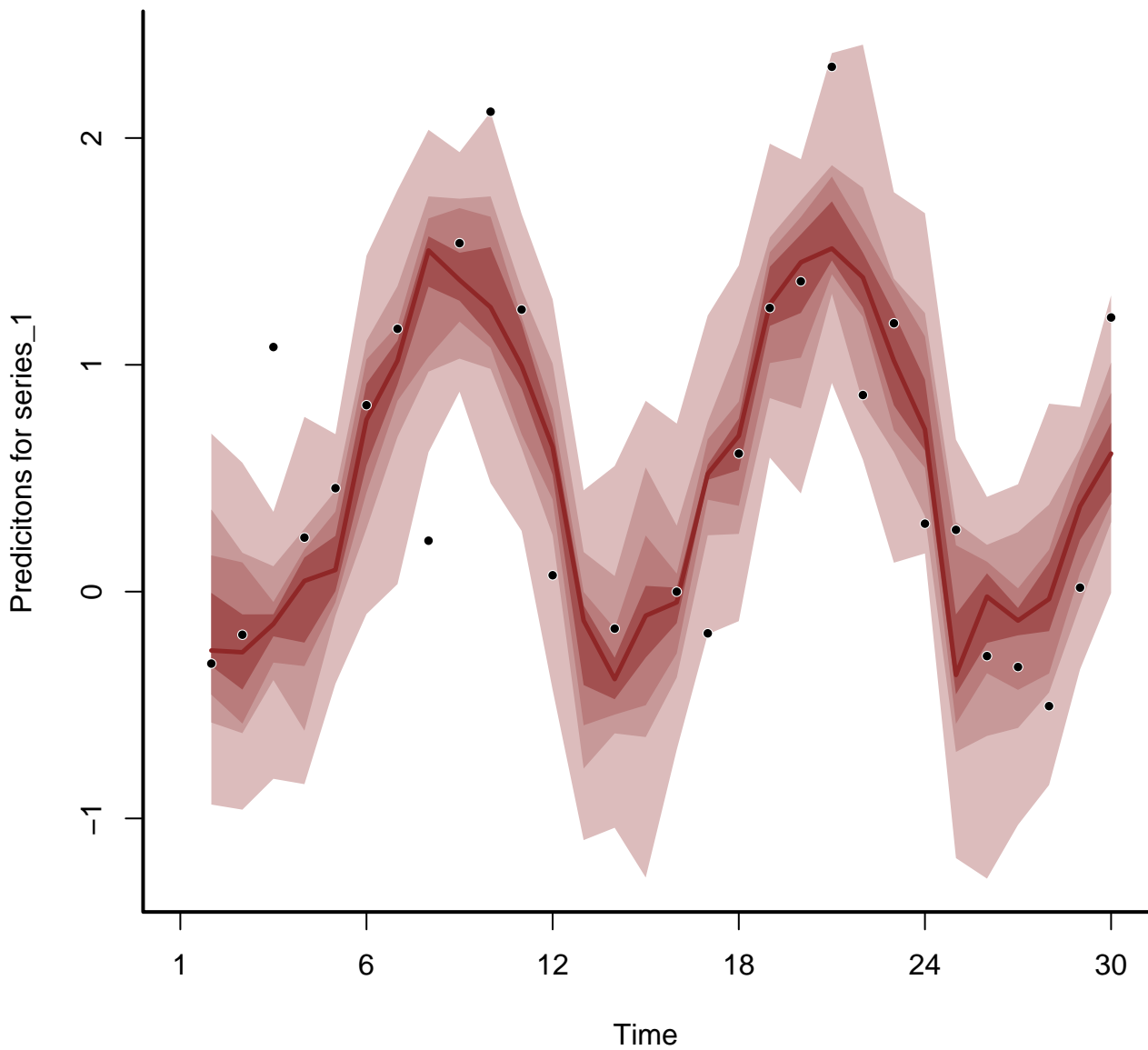
process_1 -> process_2

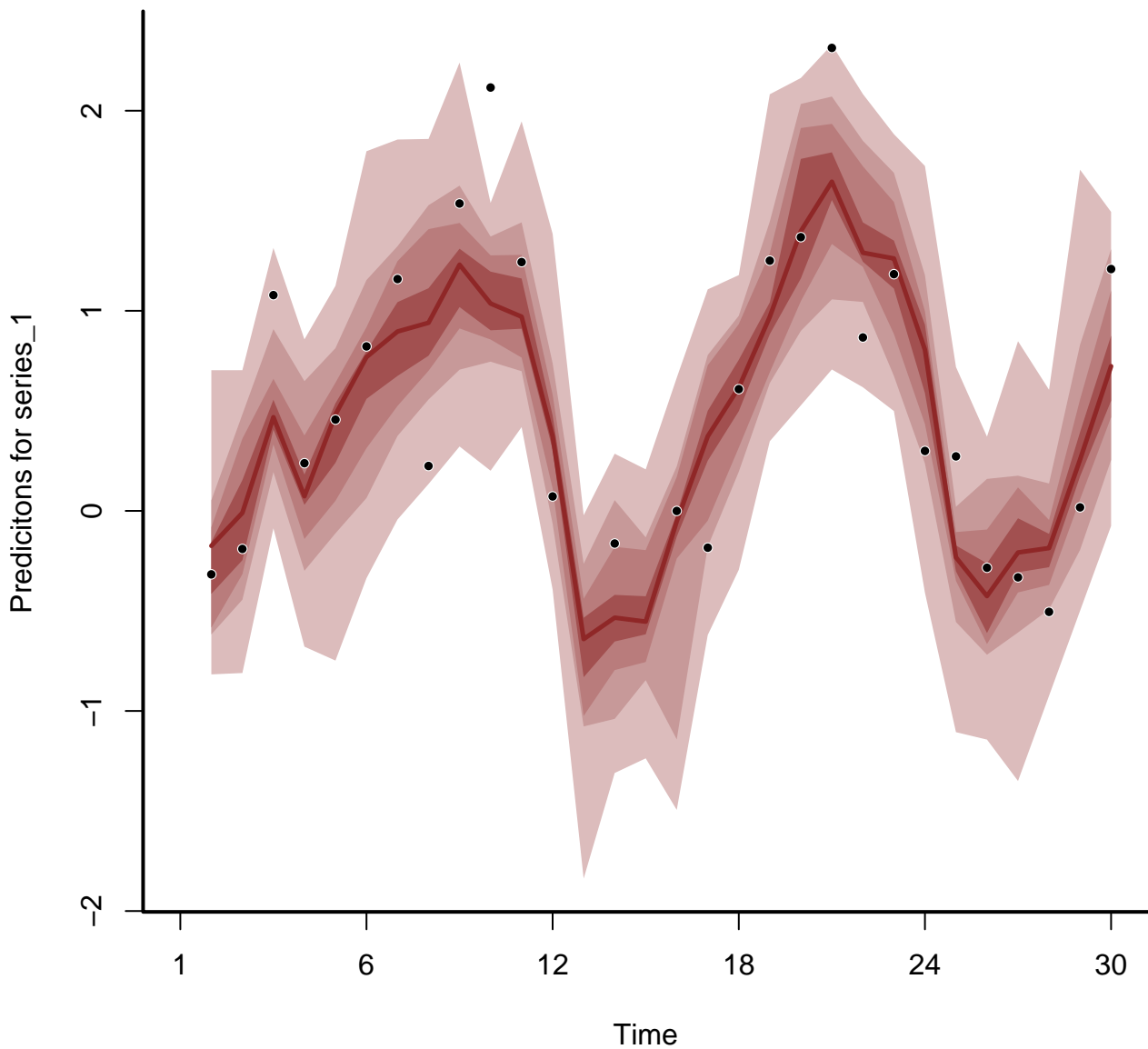


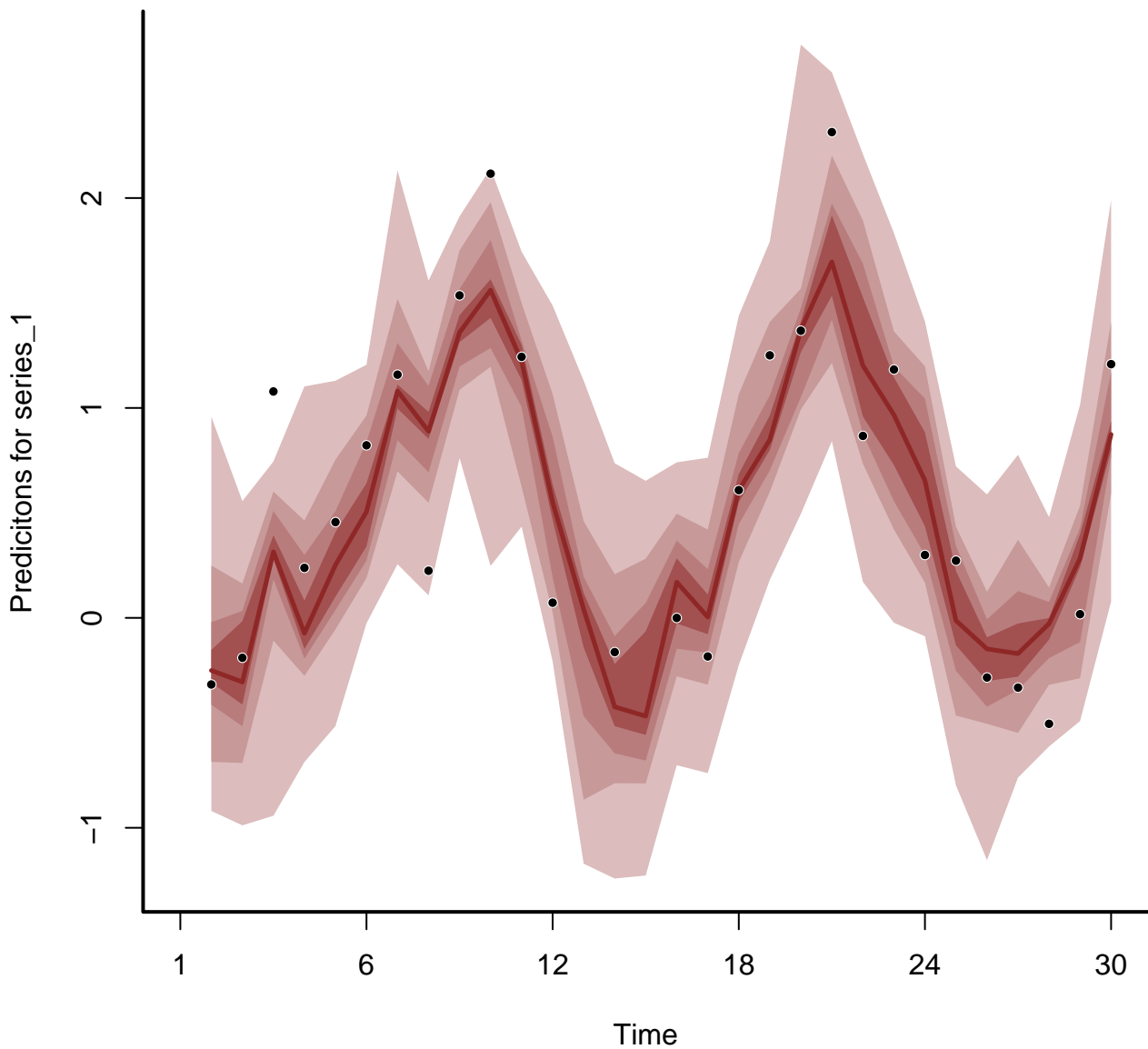
process_1 -> process_3



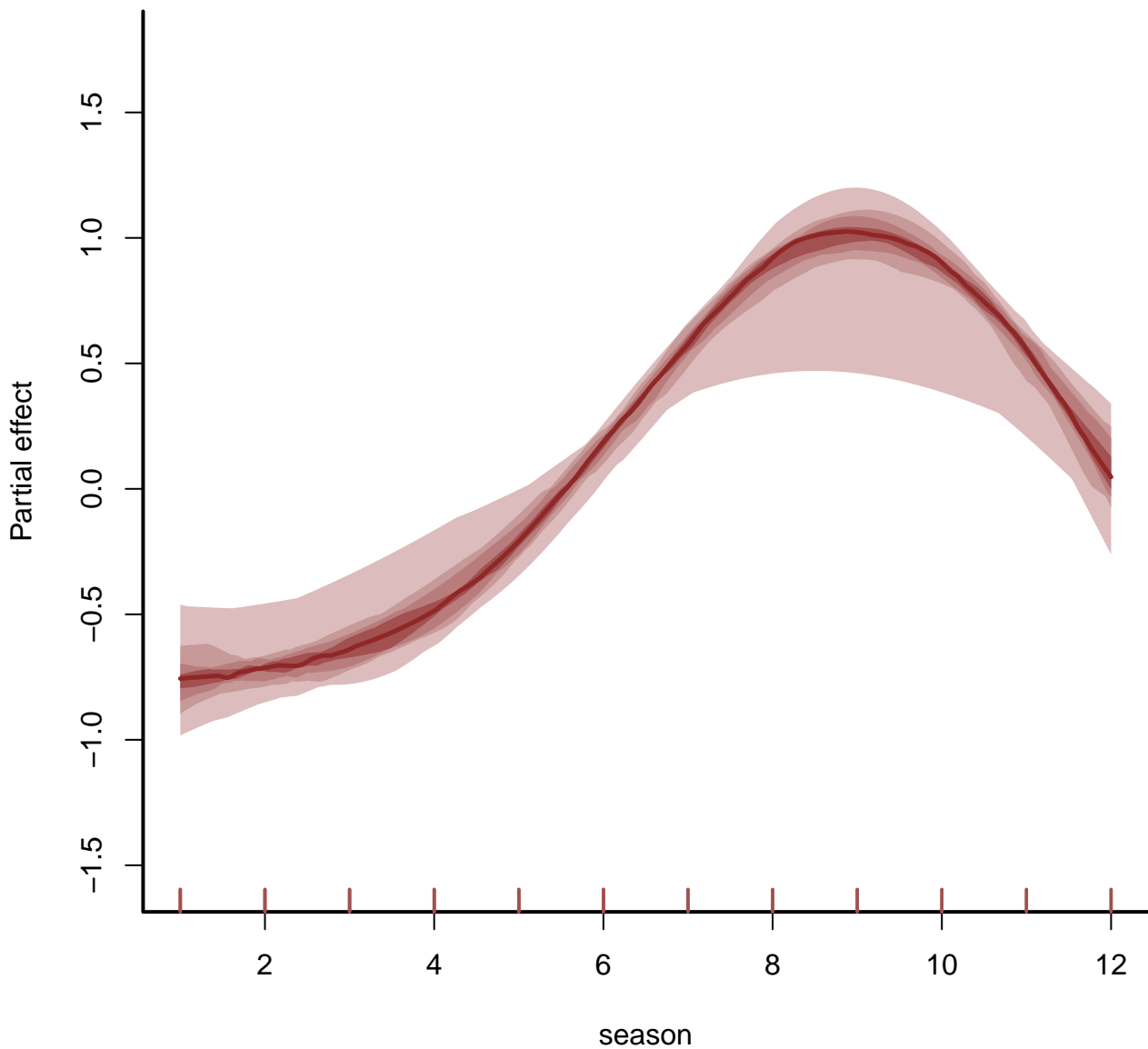




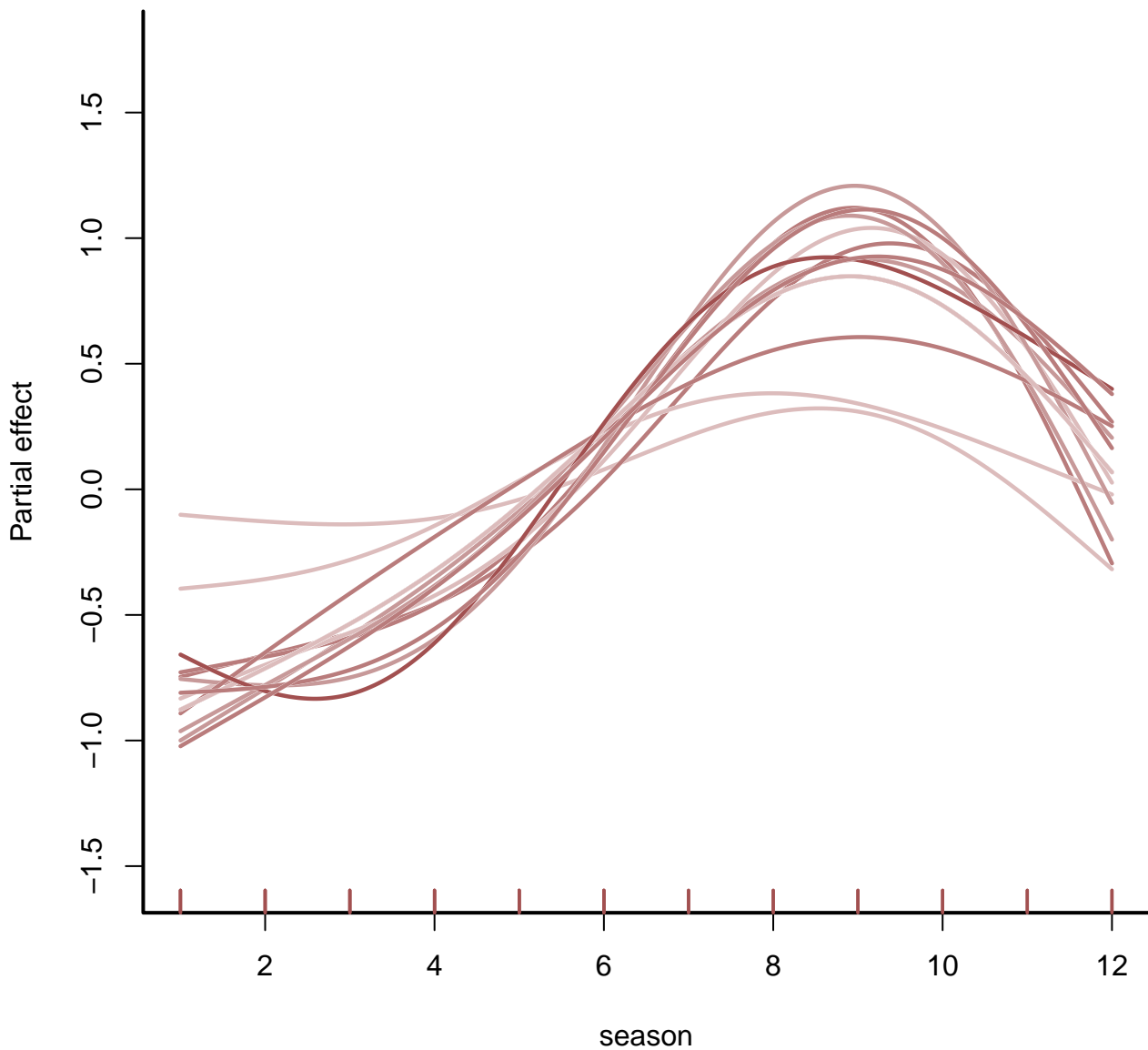




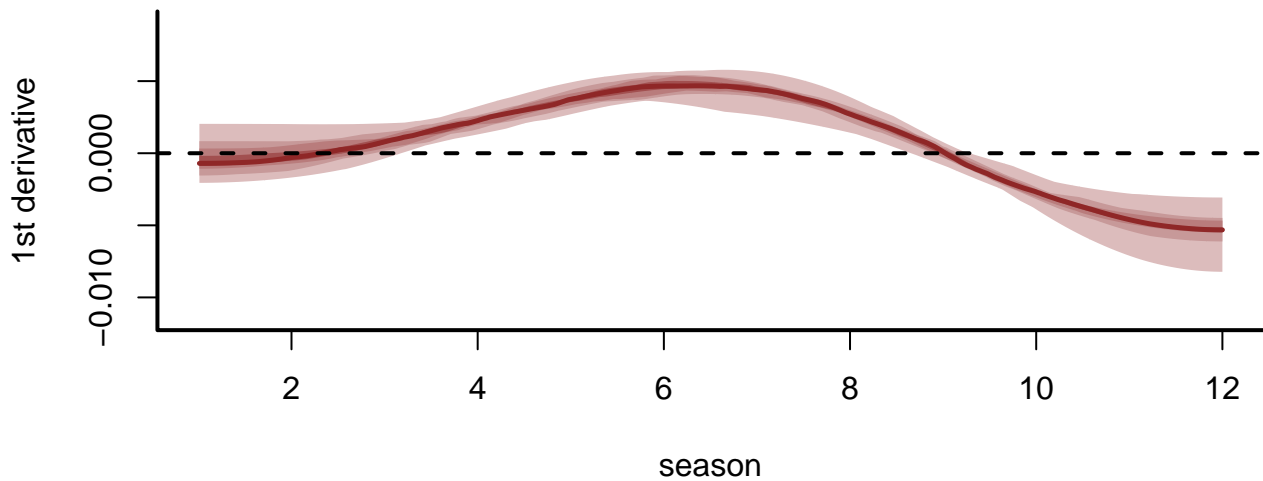
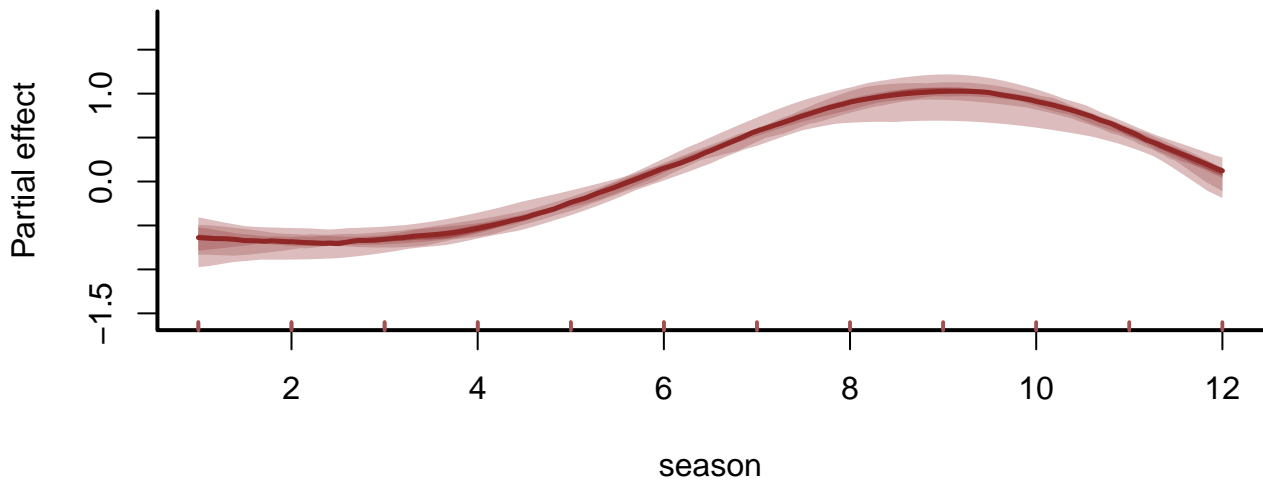
s(season)



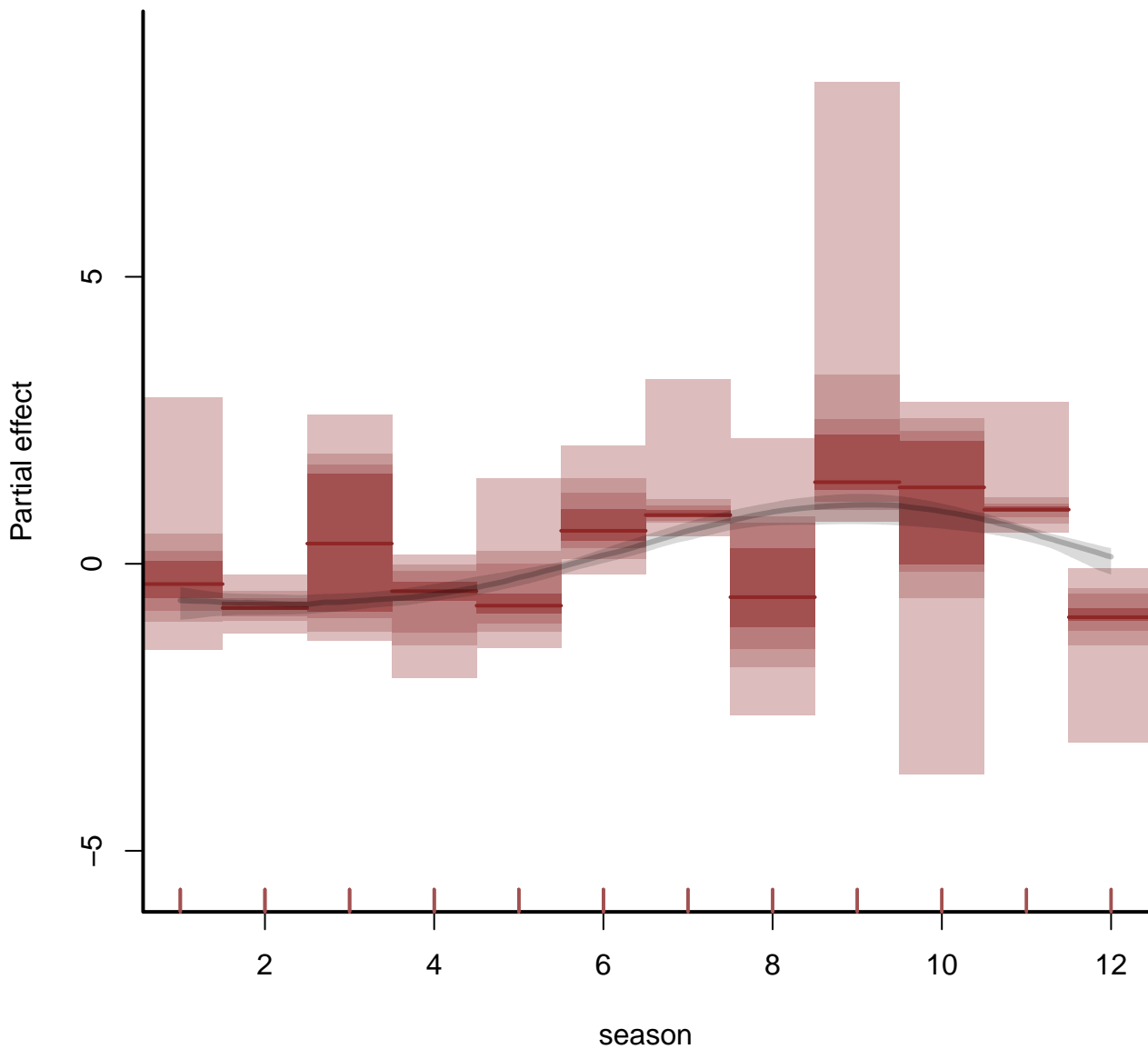
s(season)



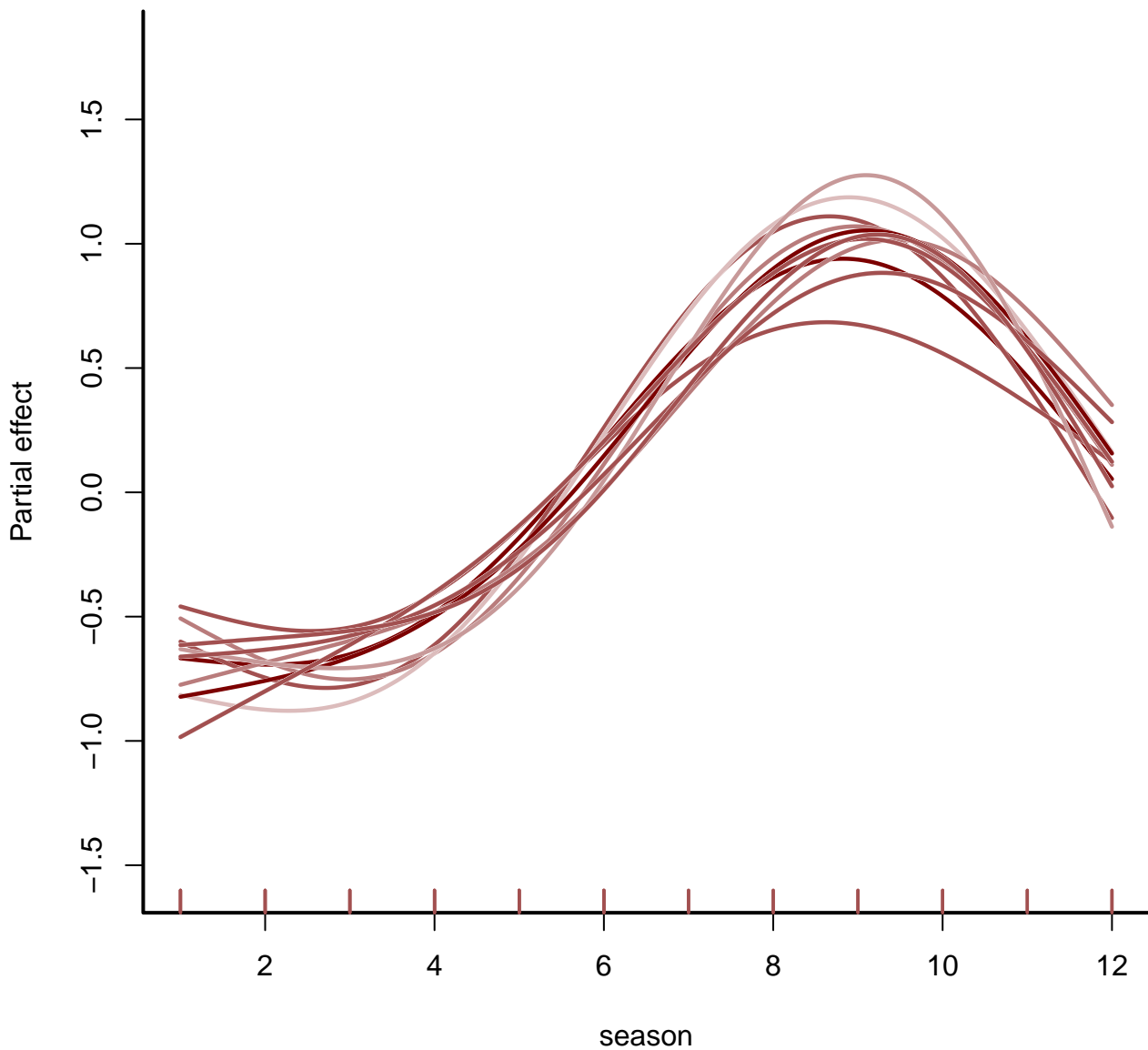
s(season)



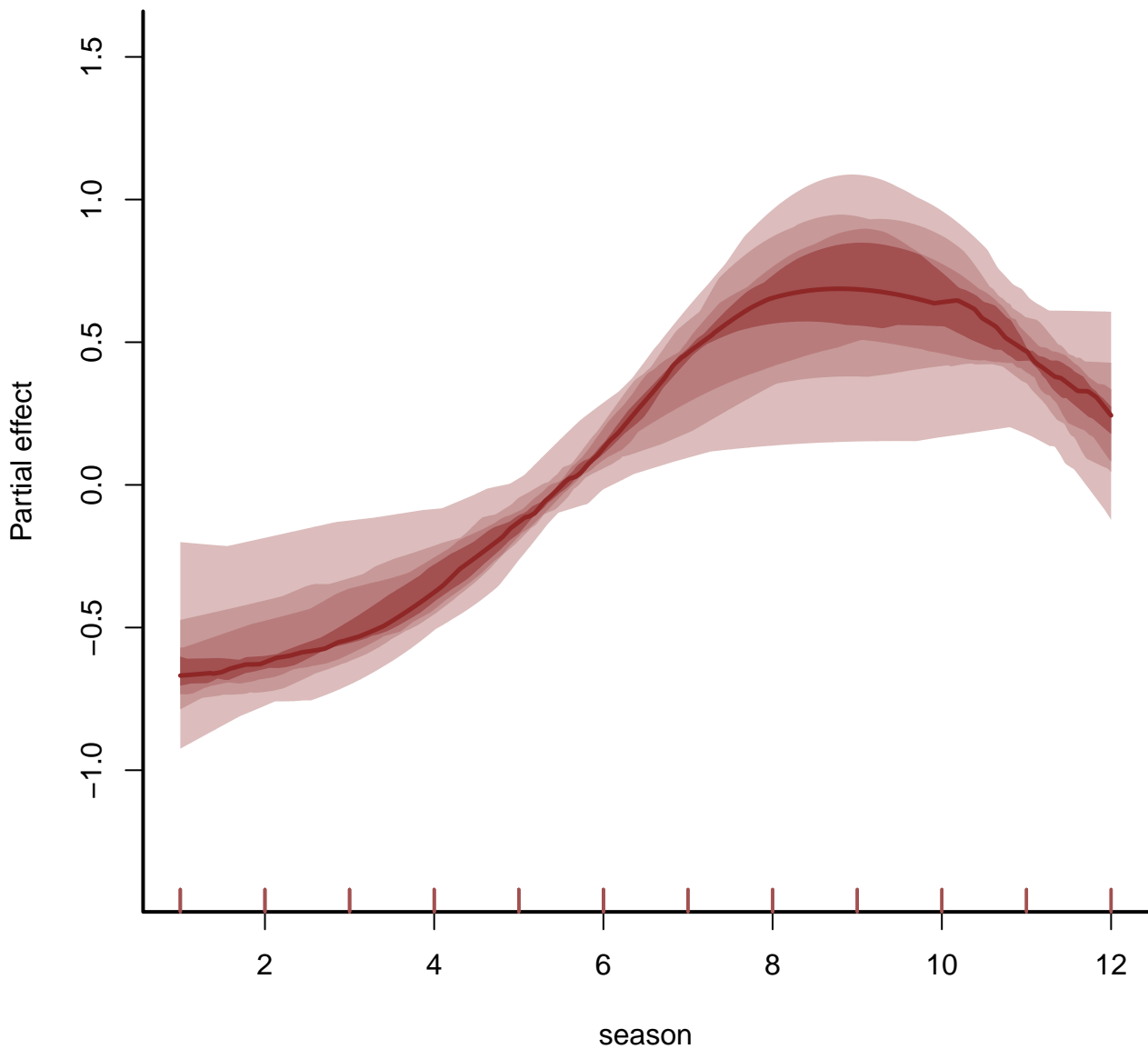
s(season)



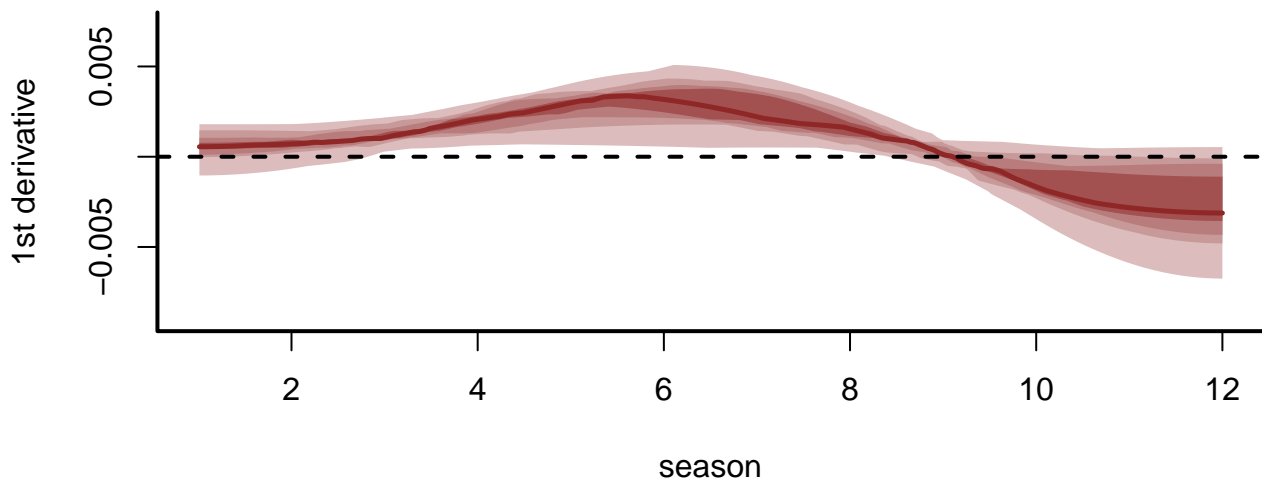
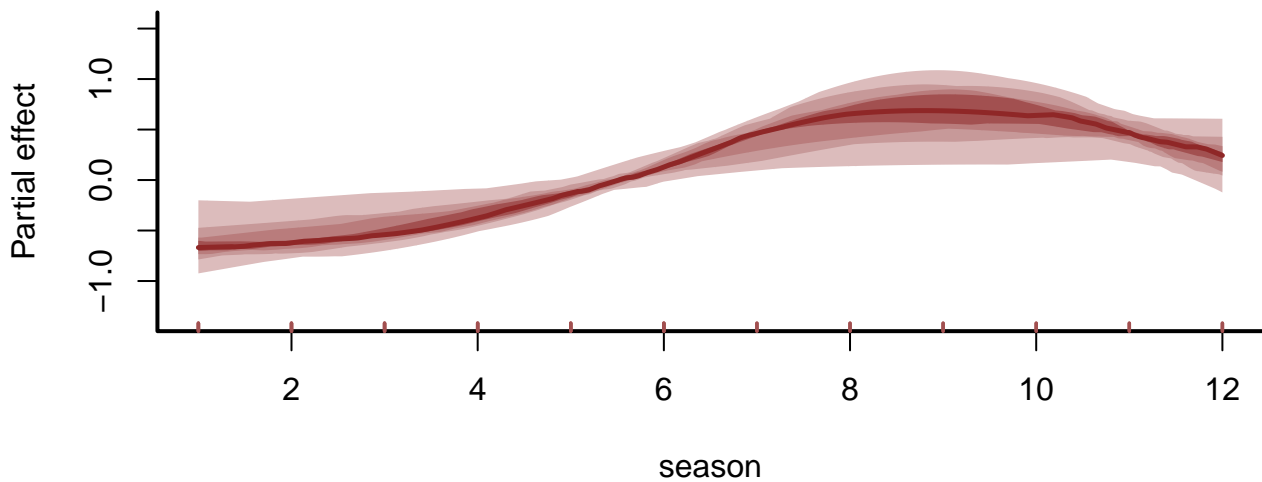
s(season)



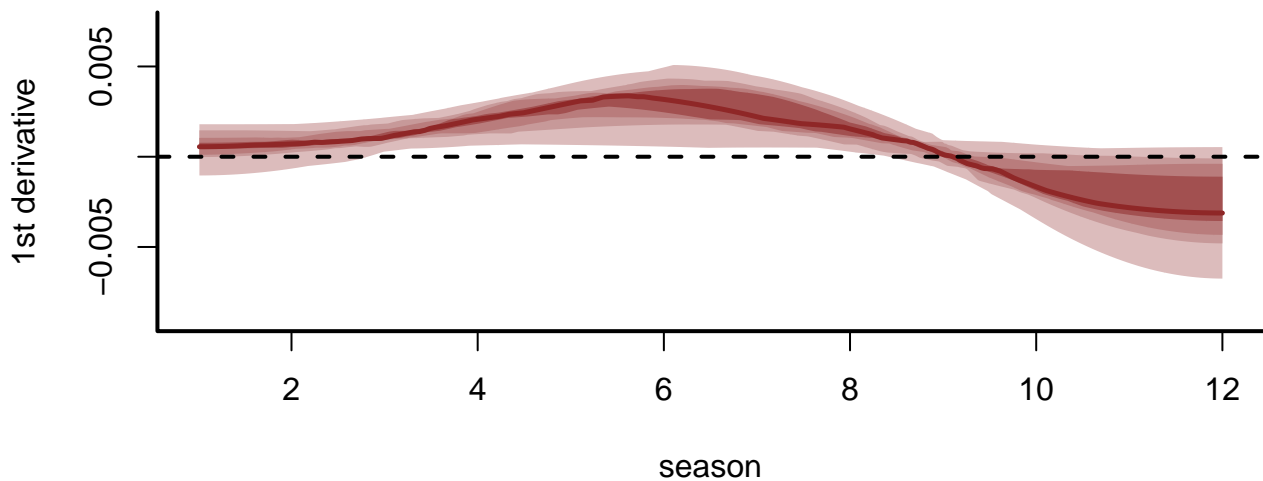
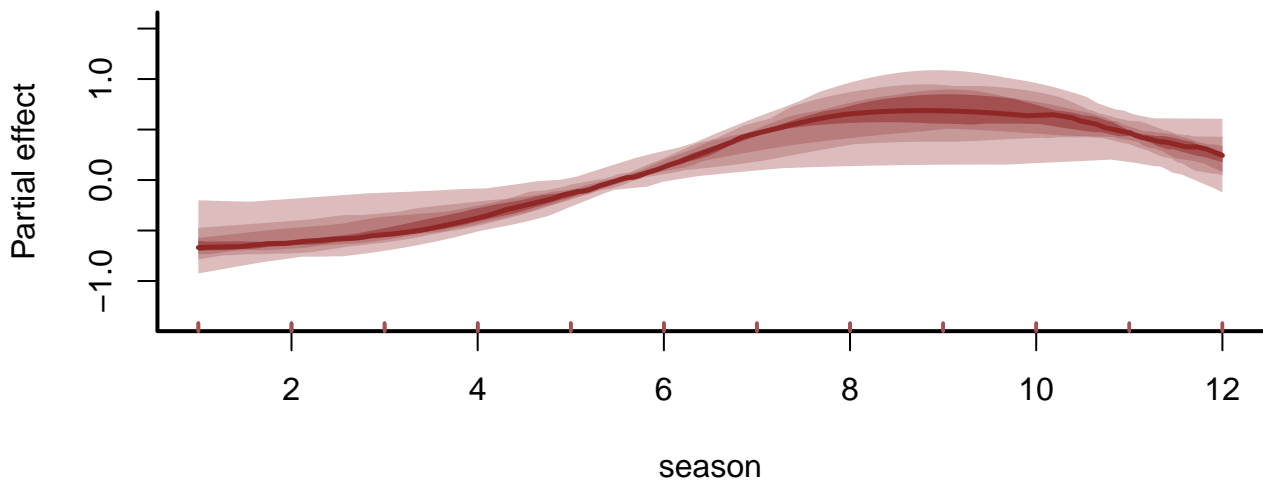
s(season)



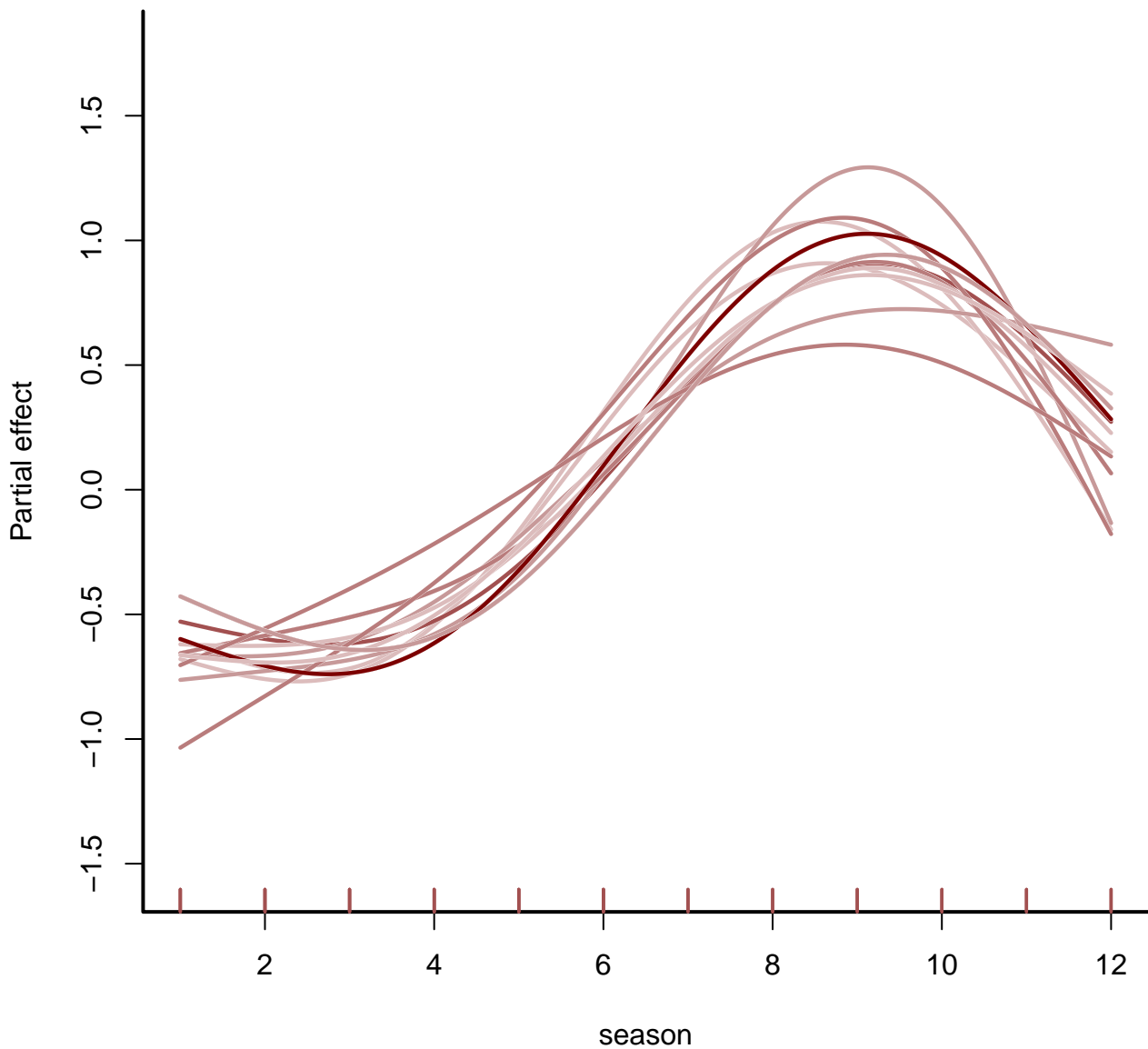
s(season)



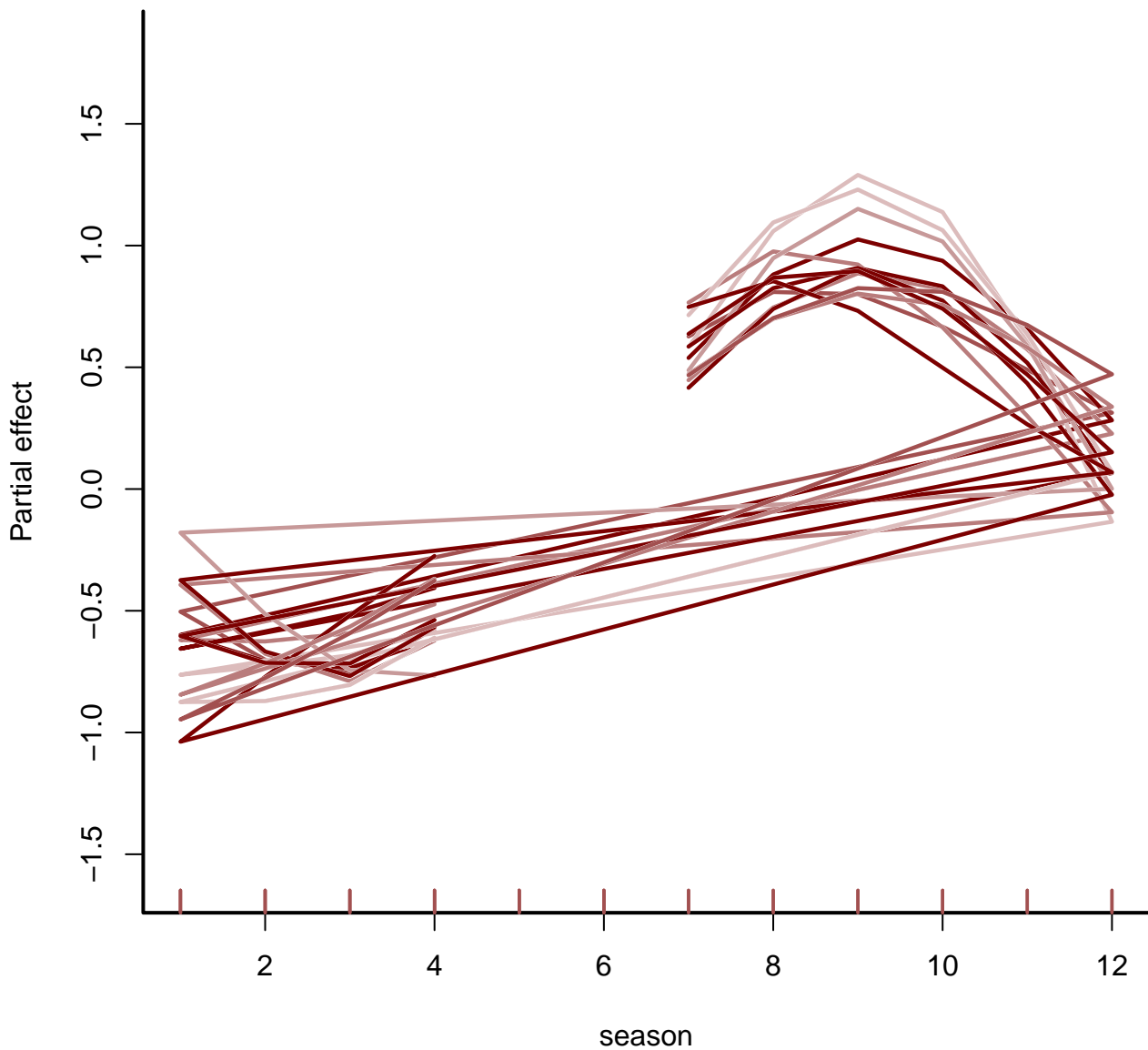
s(season)

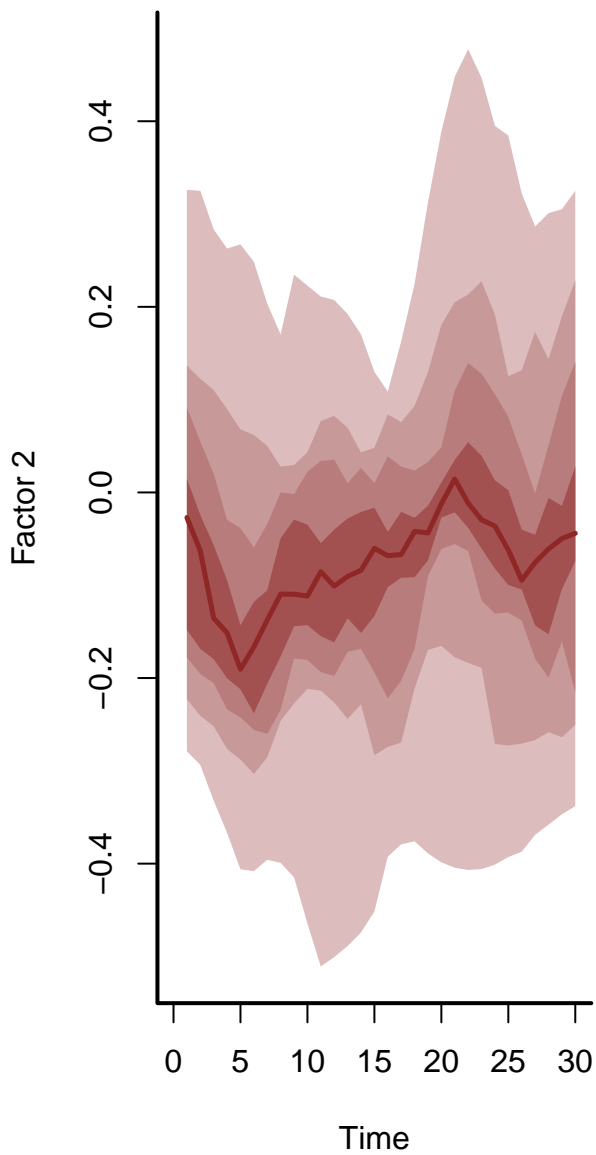
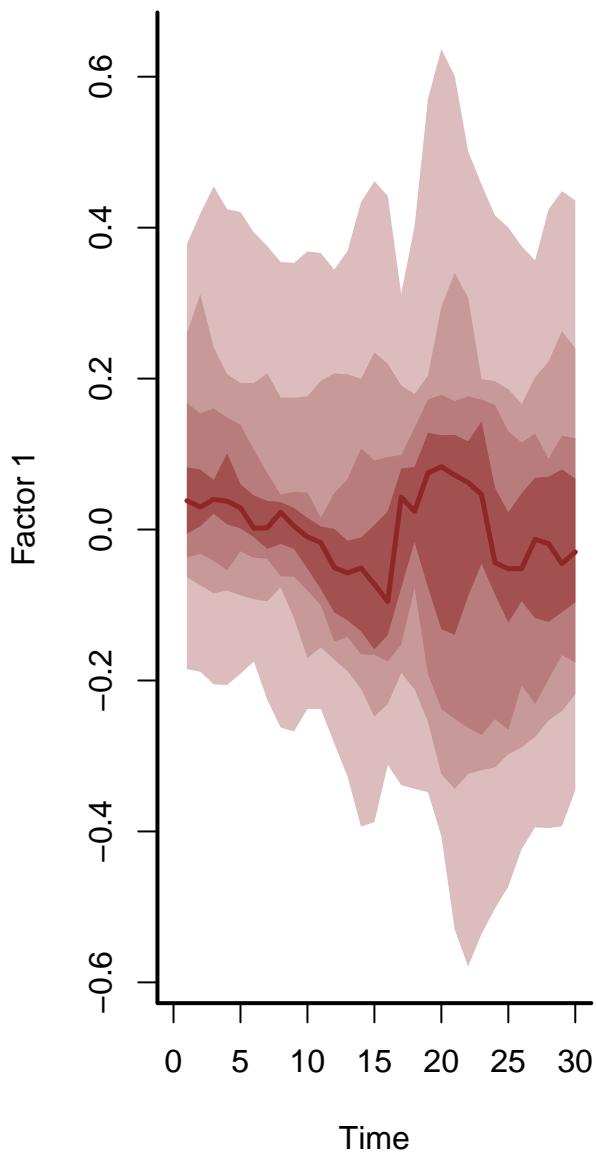


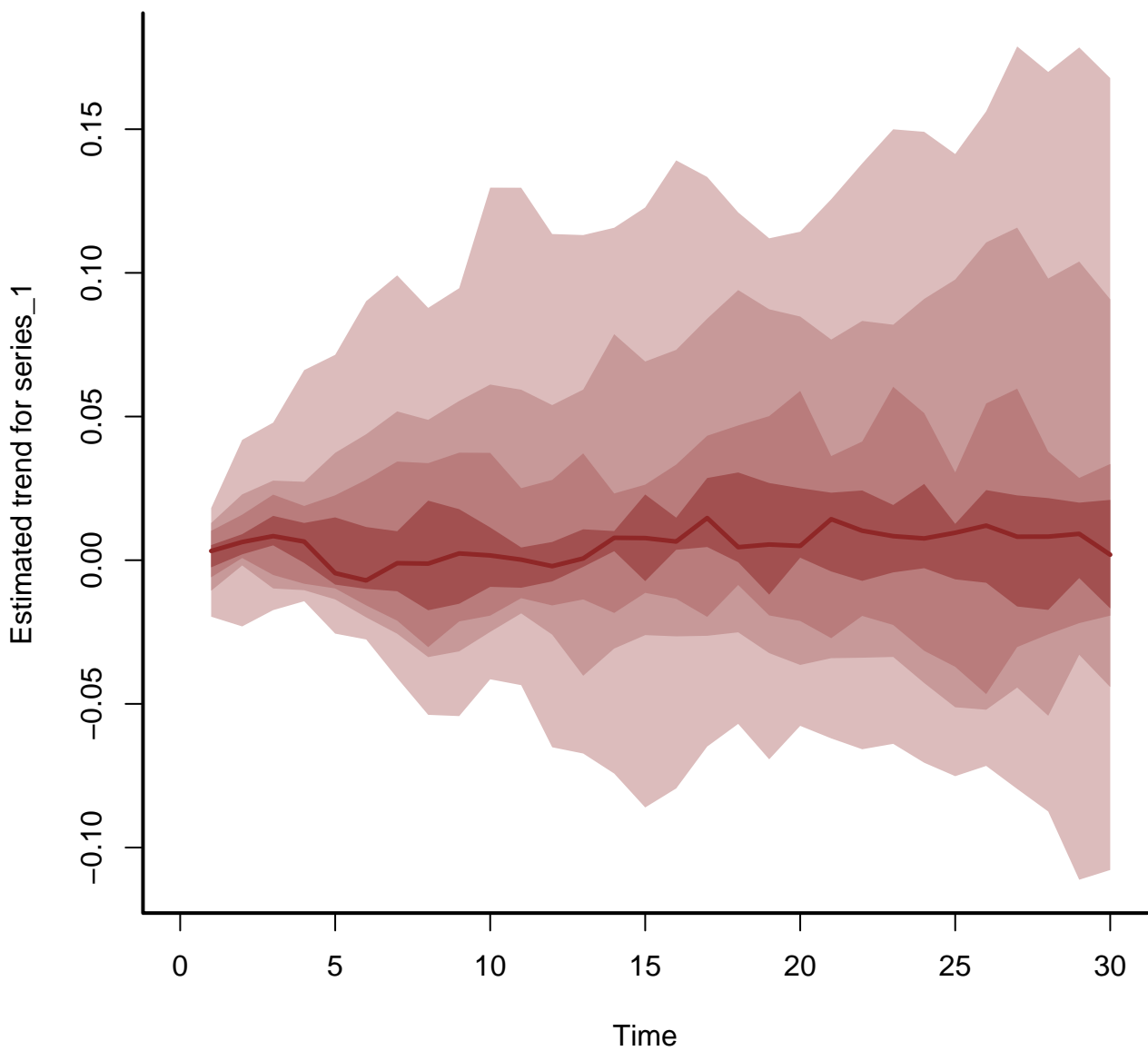
s(season)

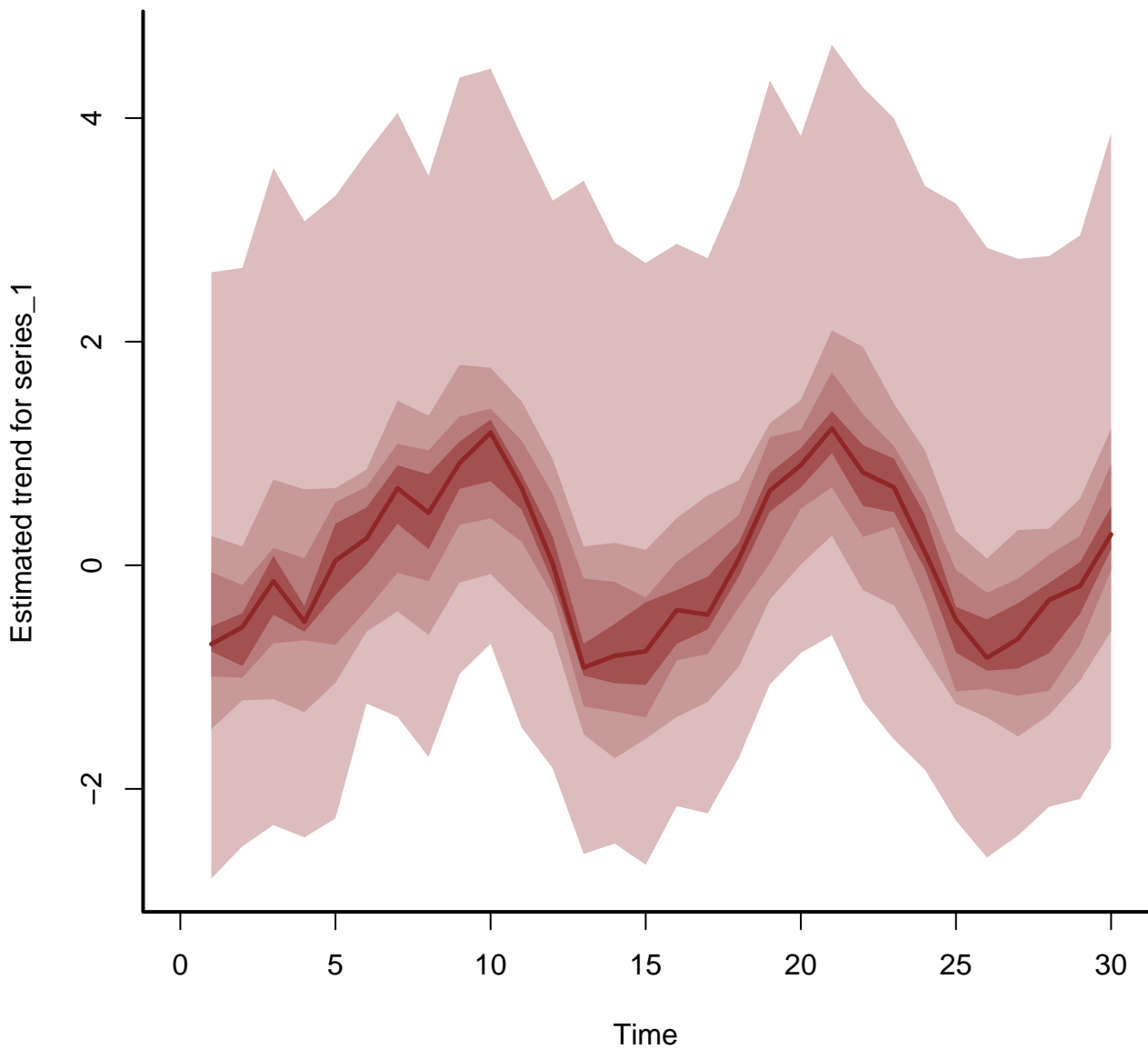


s(season)

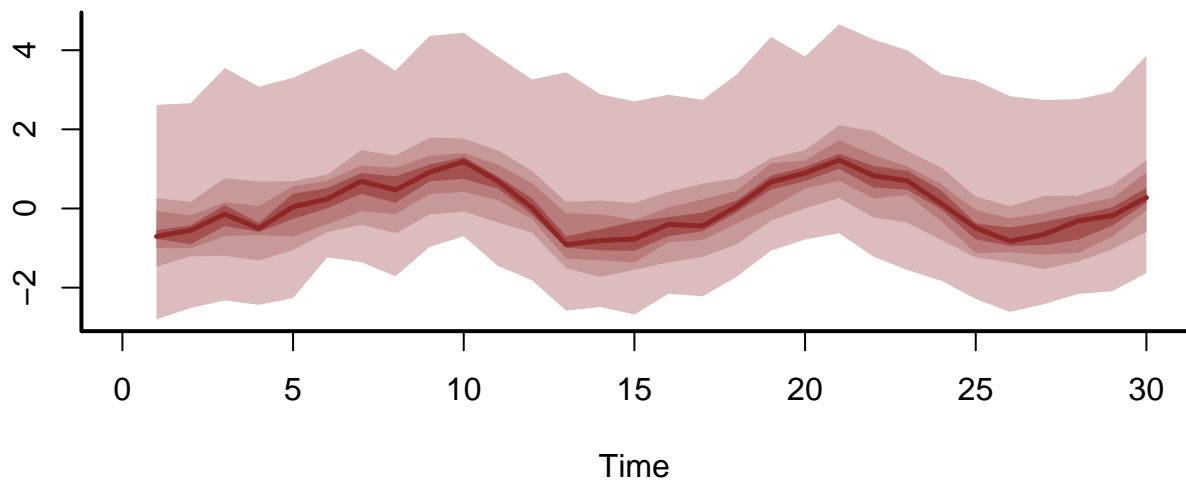




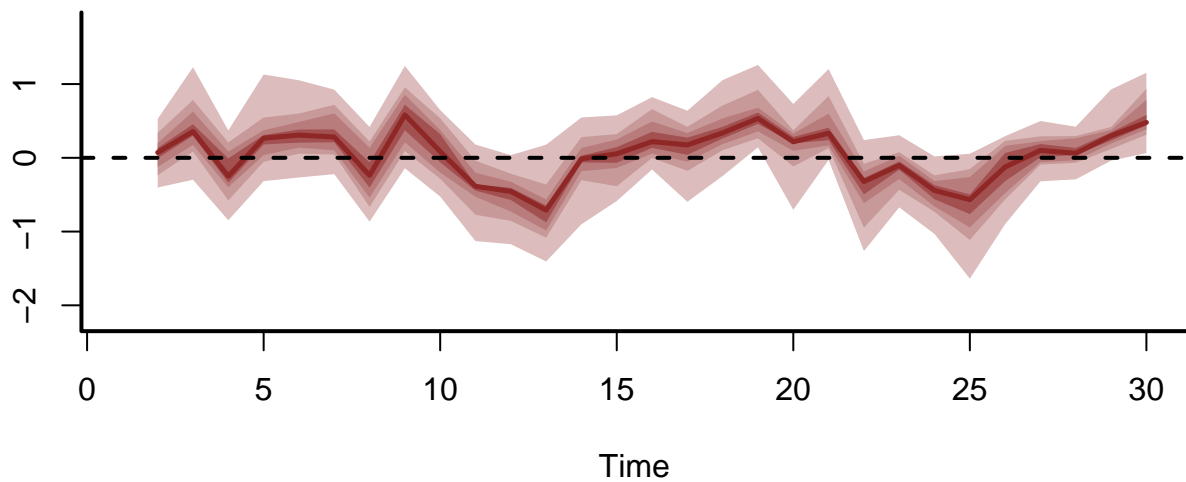


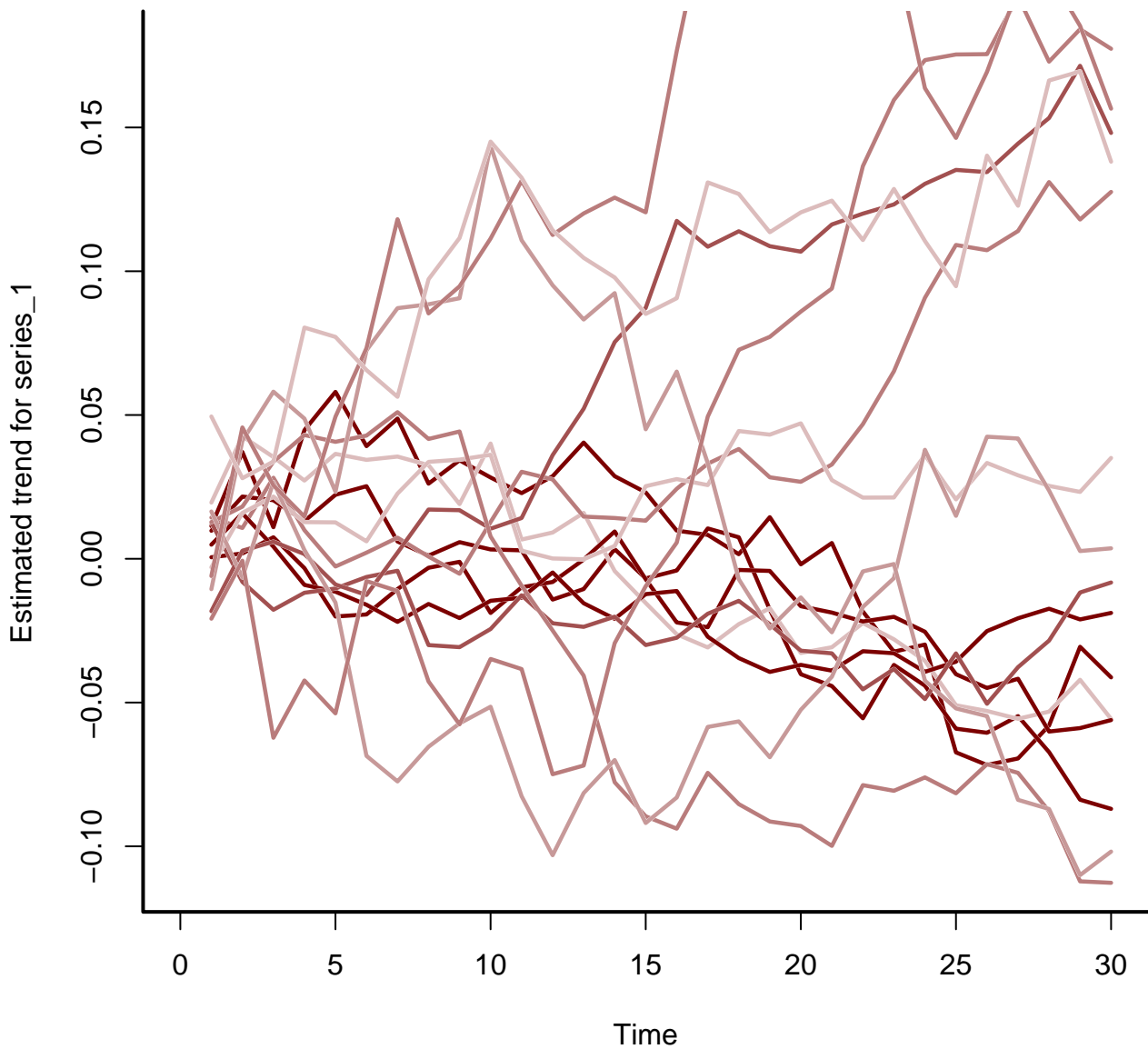


Estimated trend for series_1

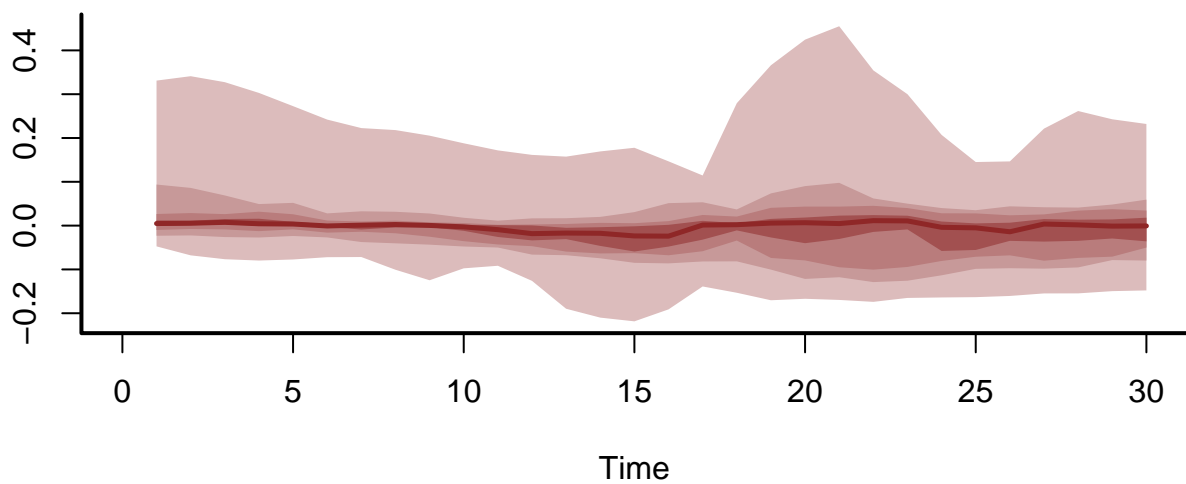


1st derivative

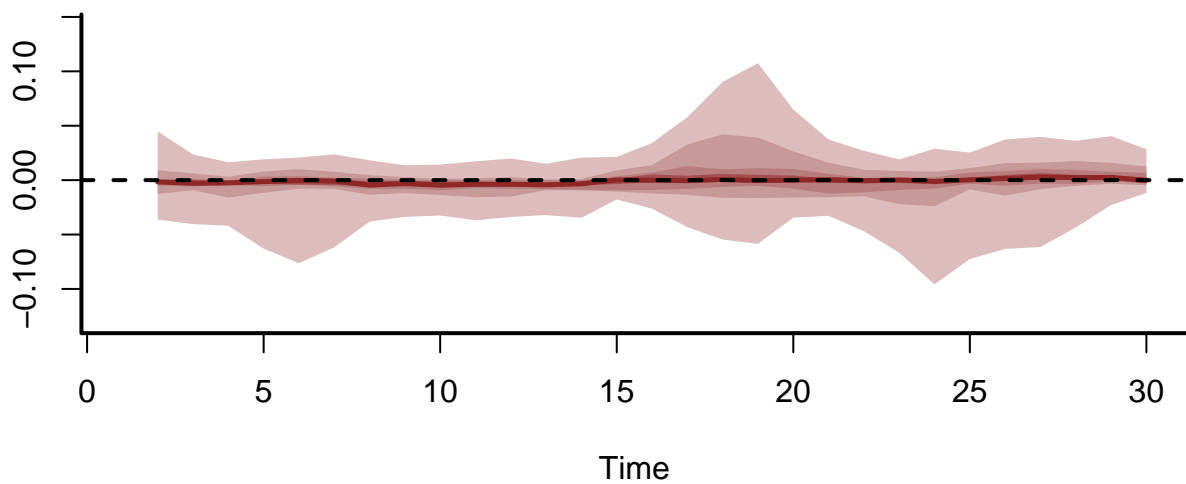


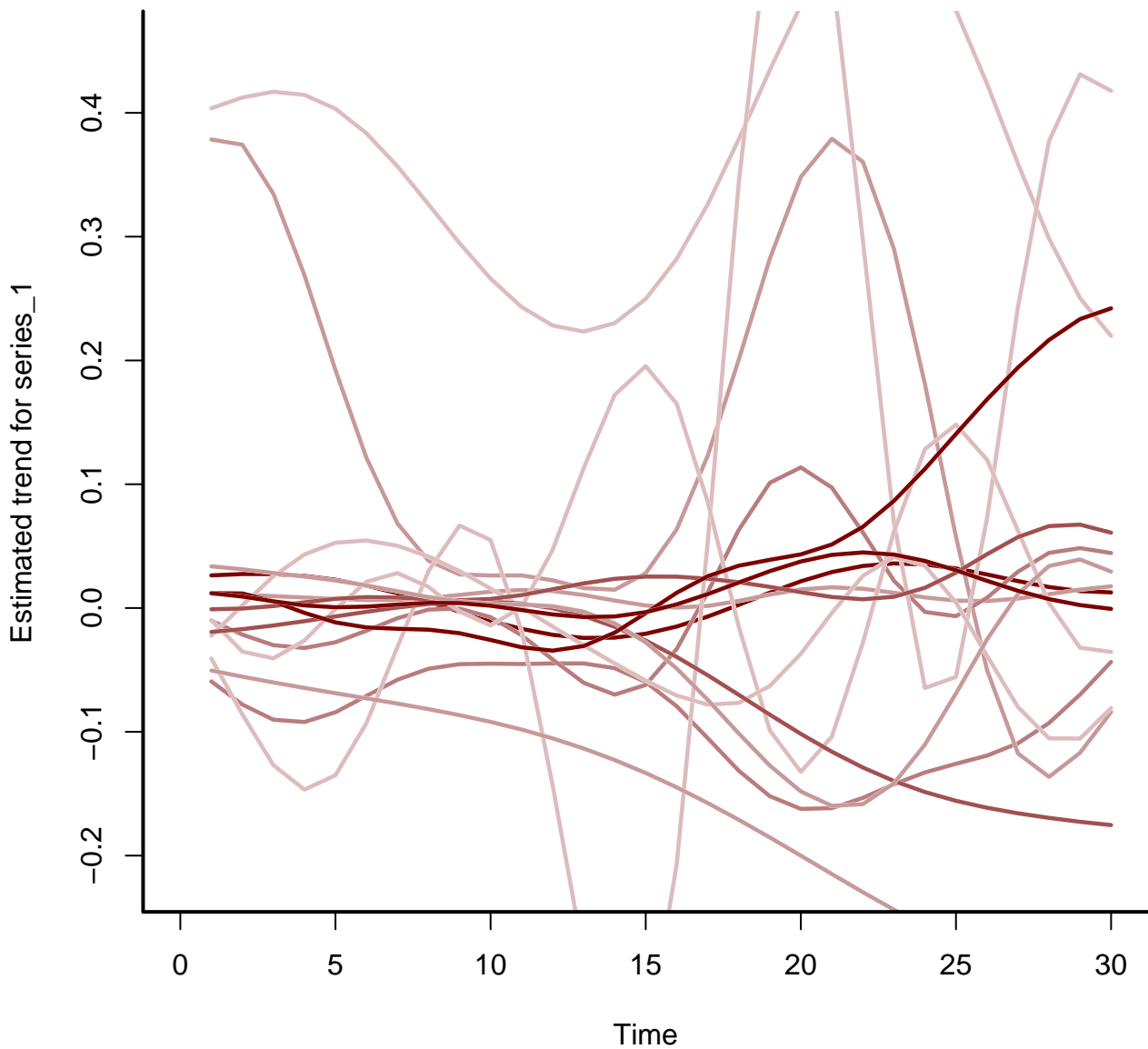


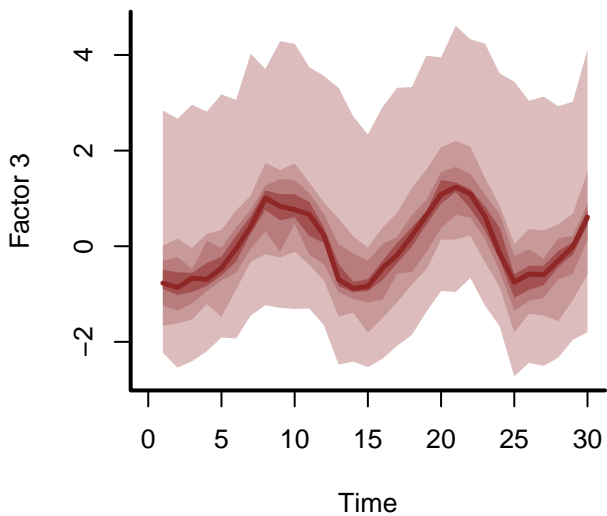
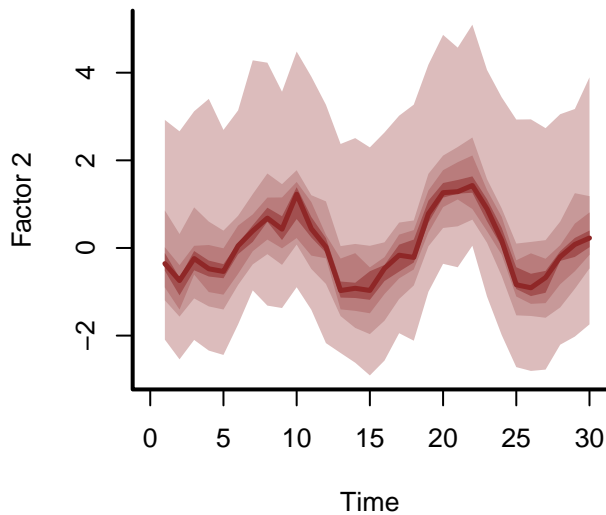
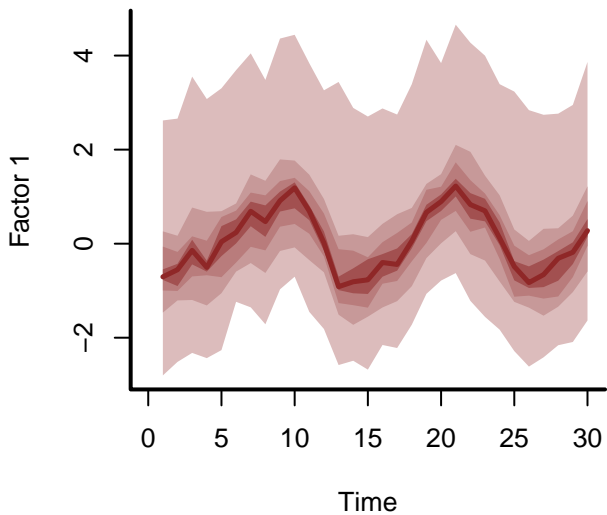
Estimated trend for series_1

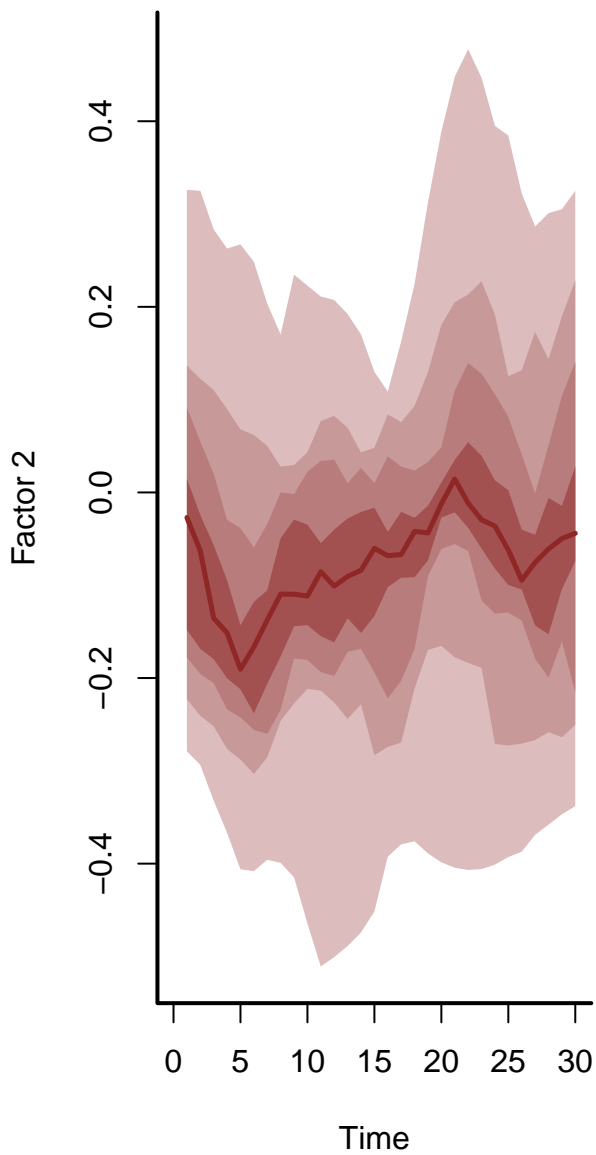
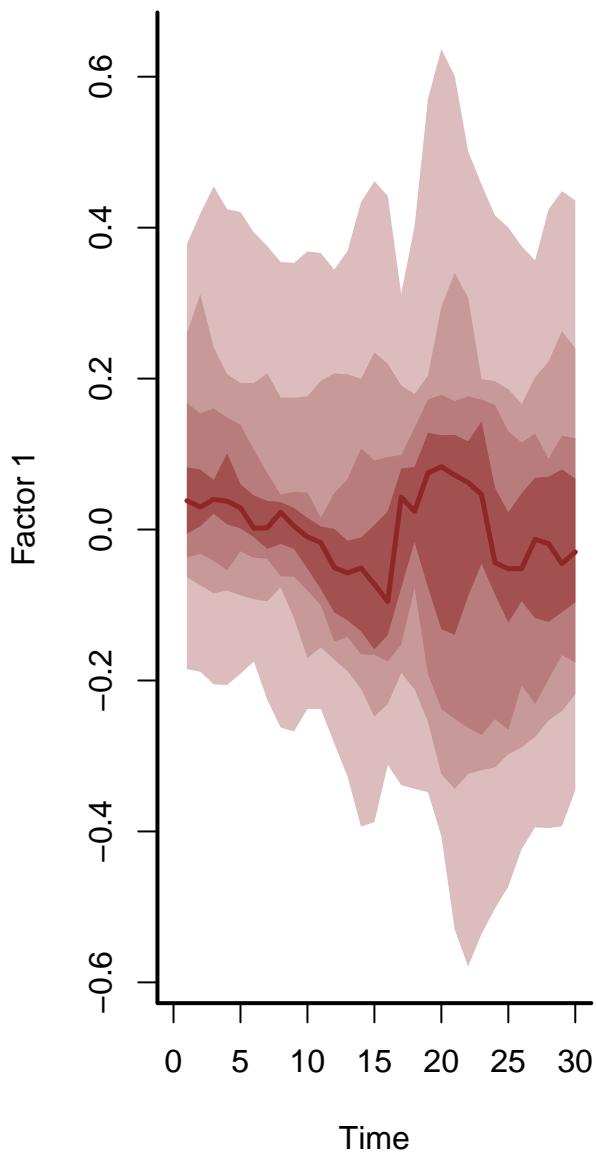


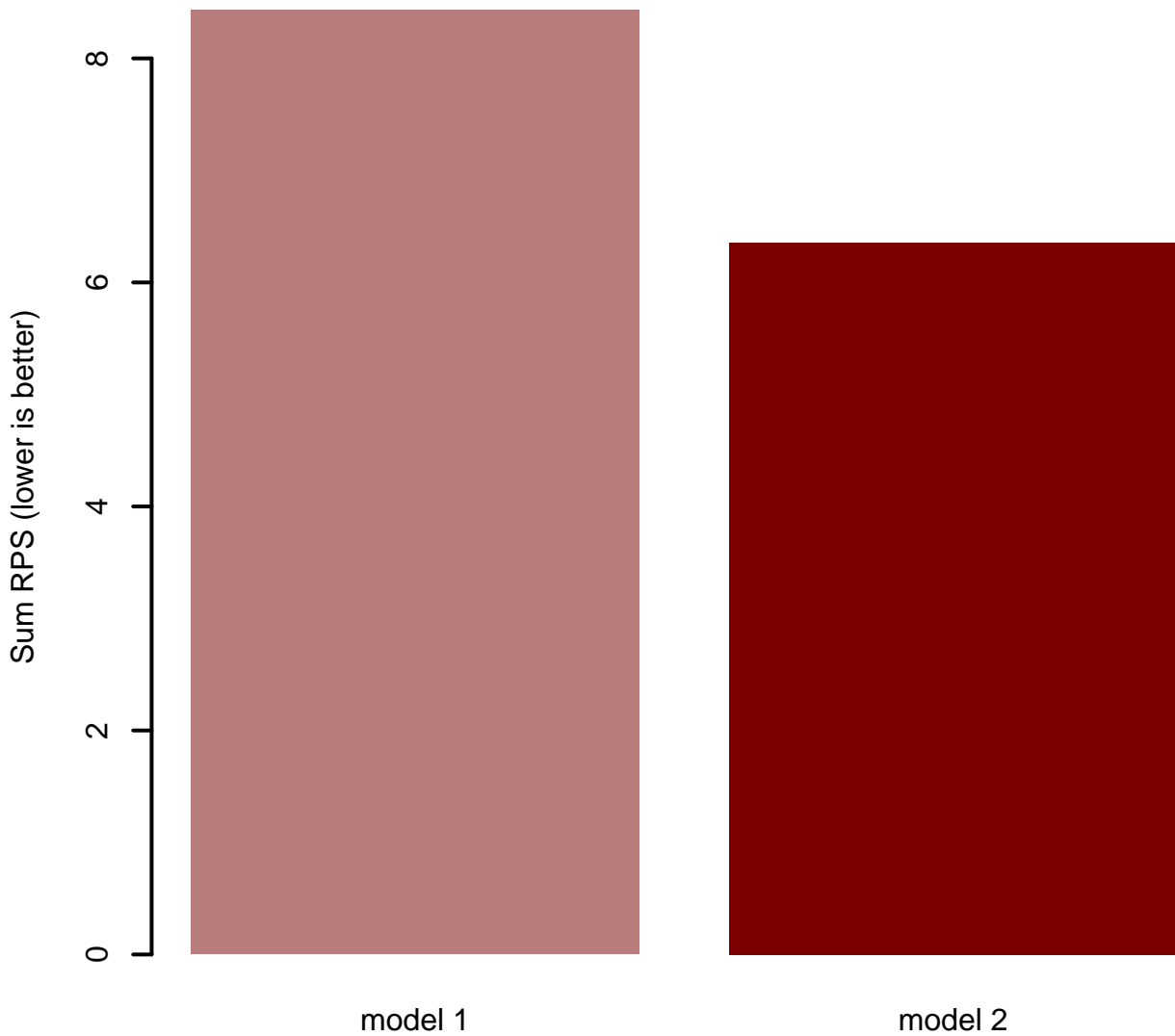
1st derivative

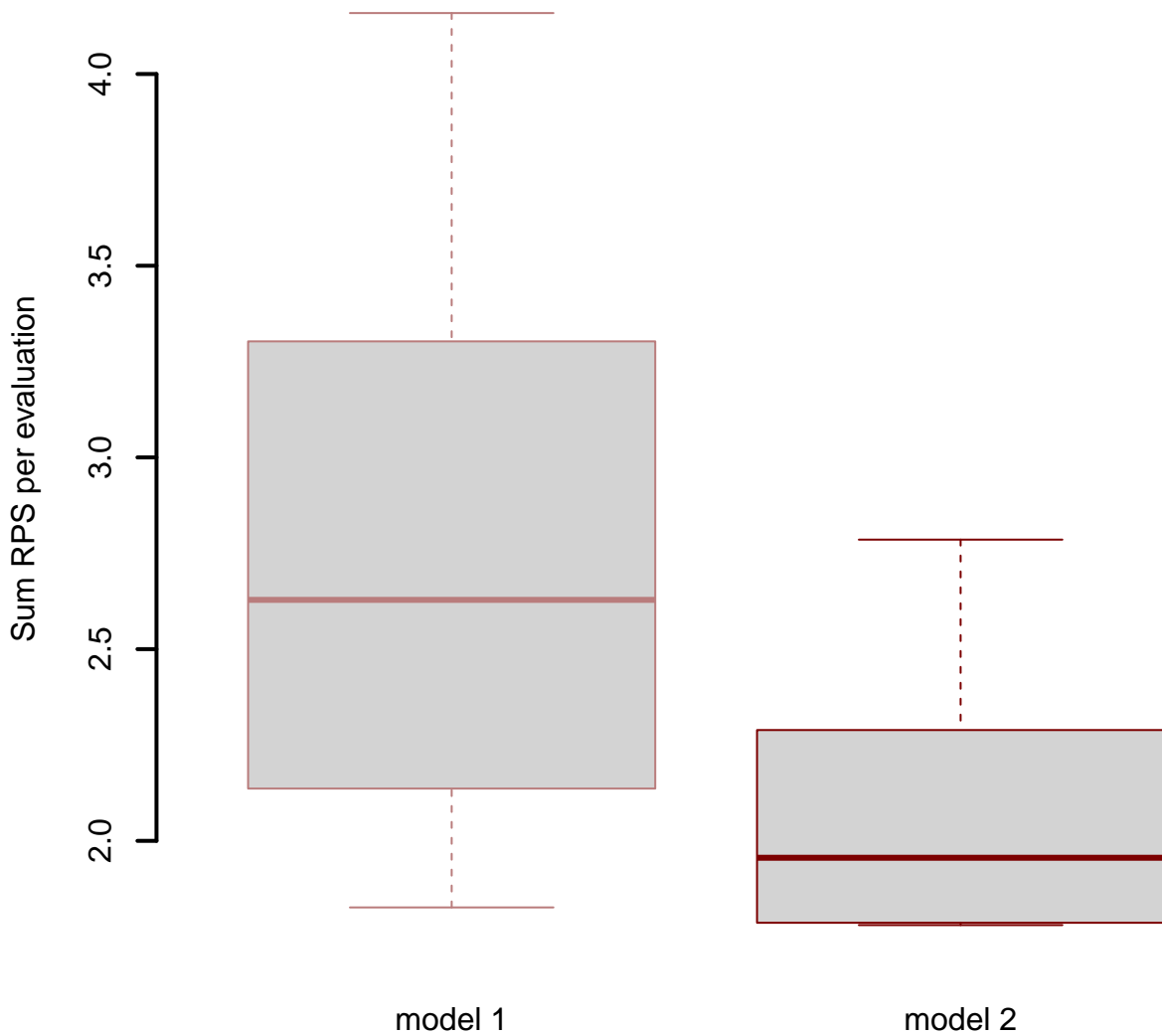


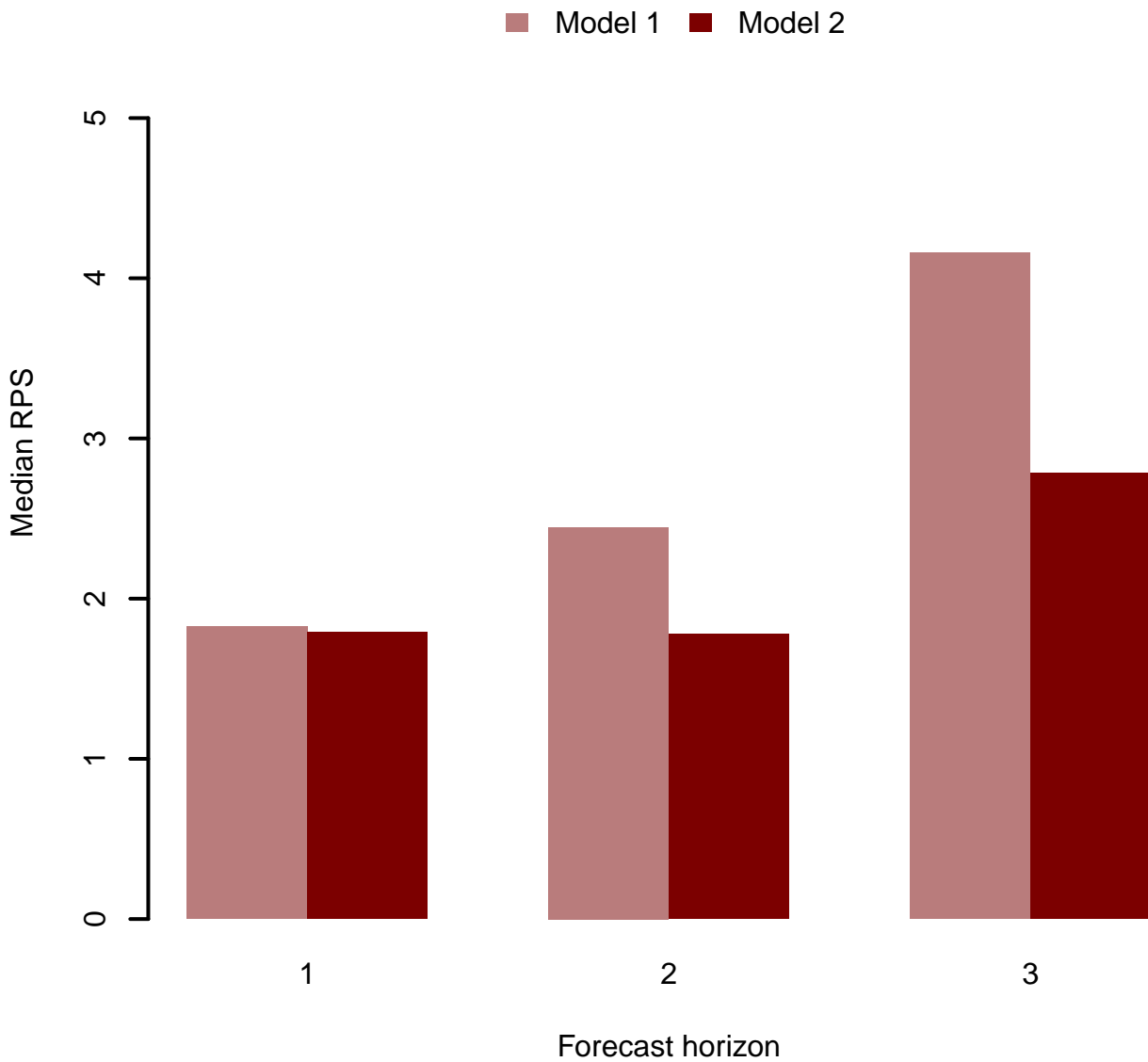


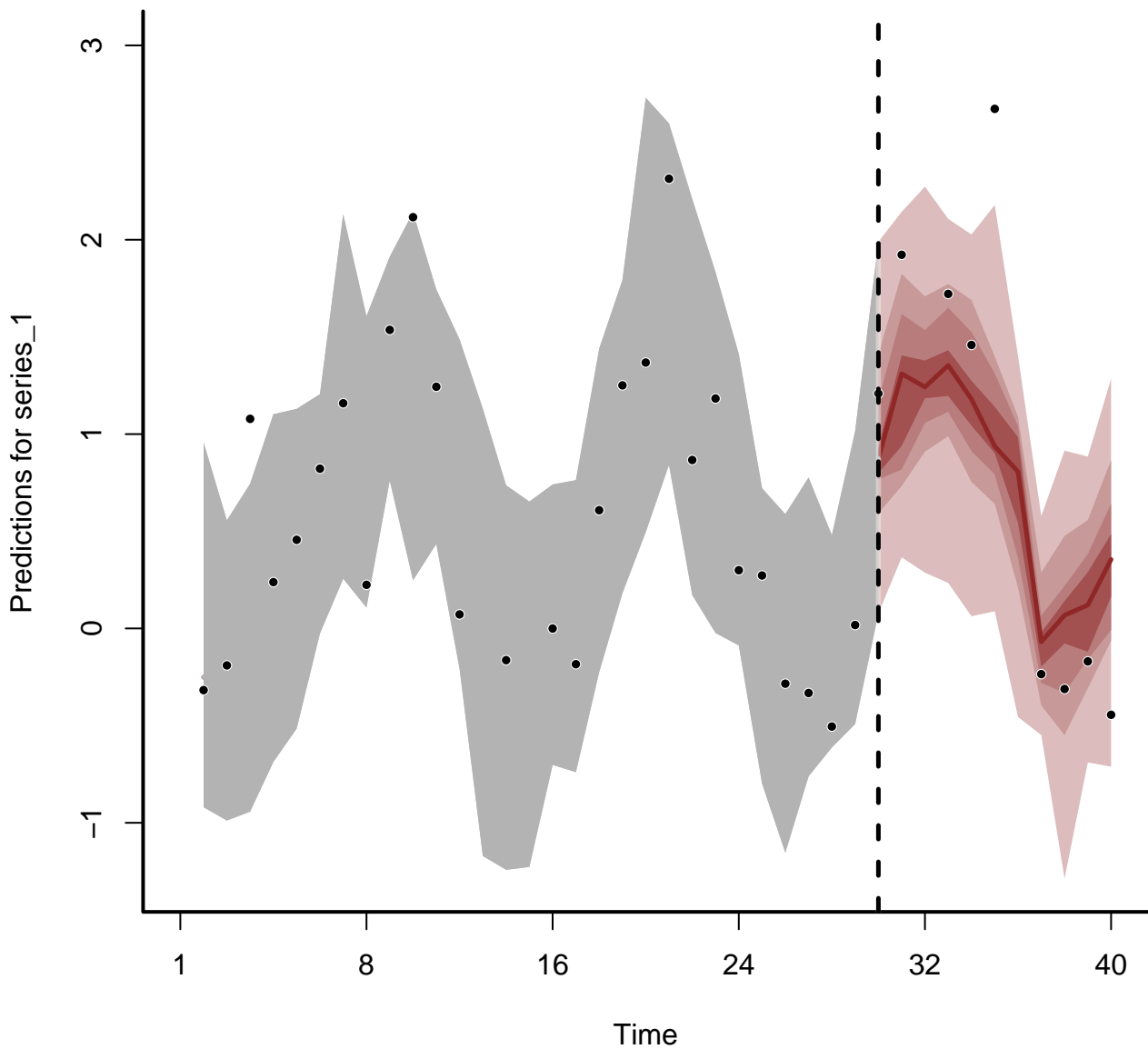


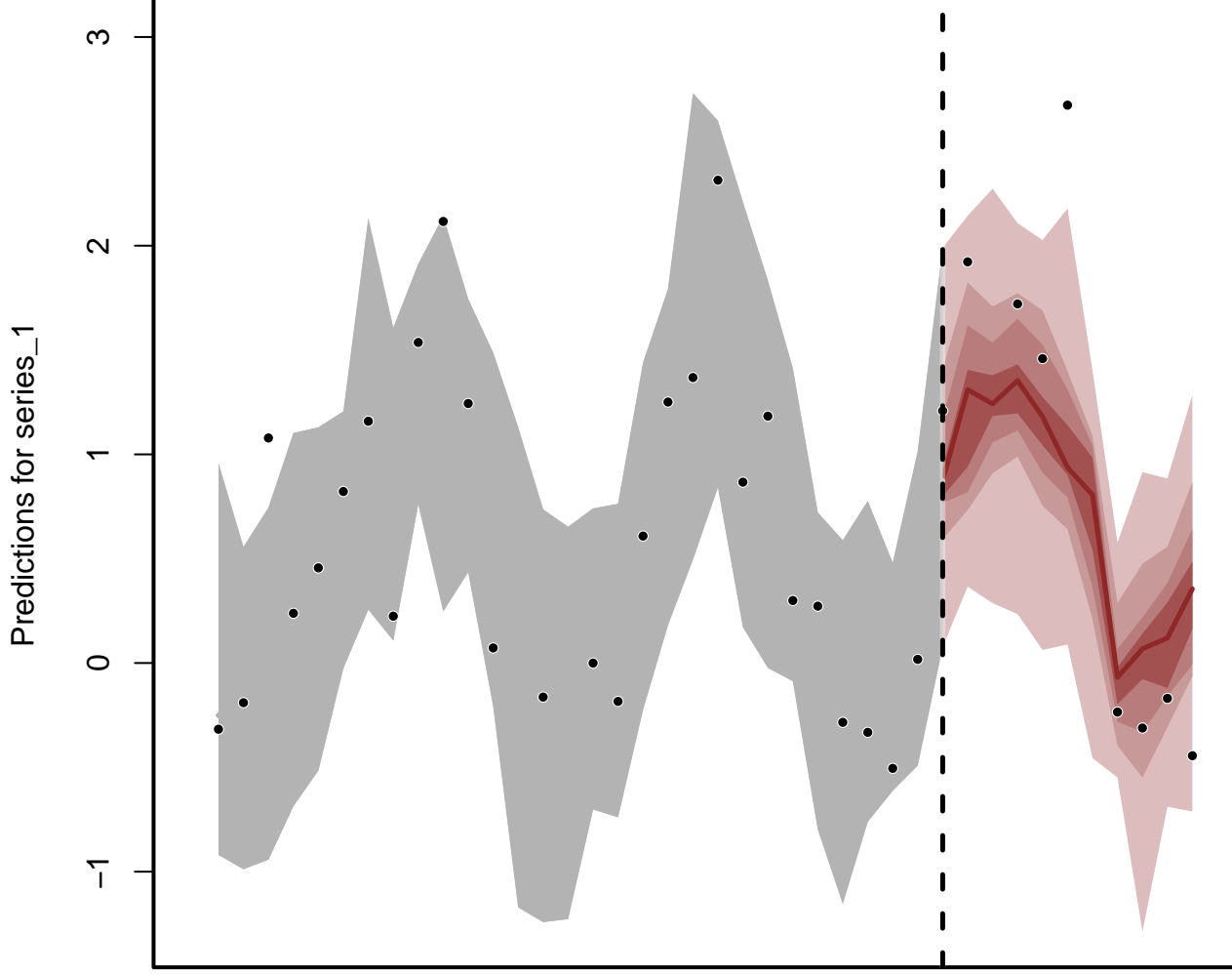


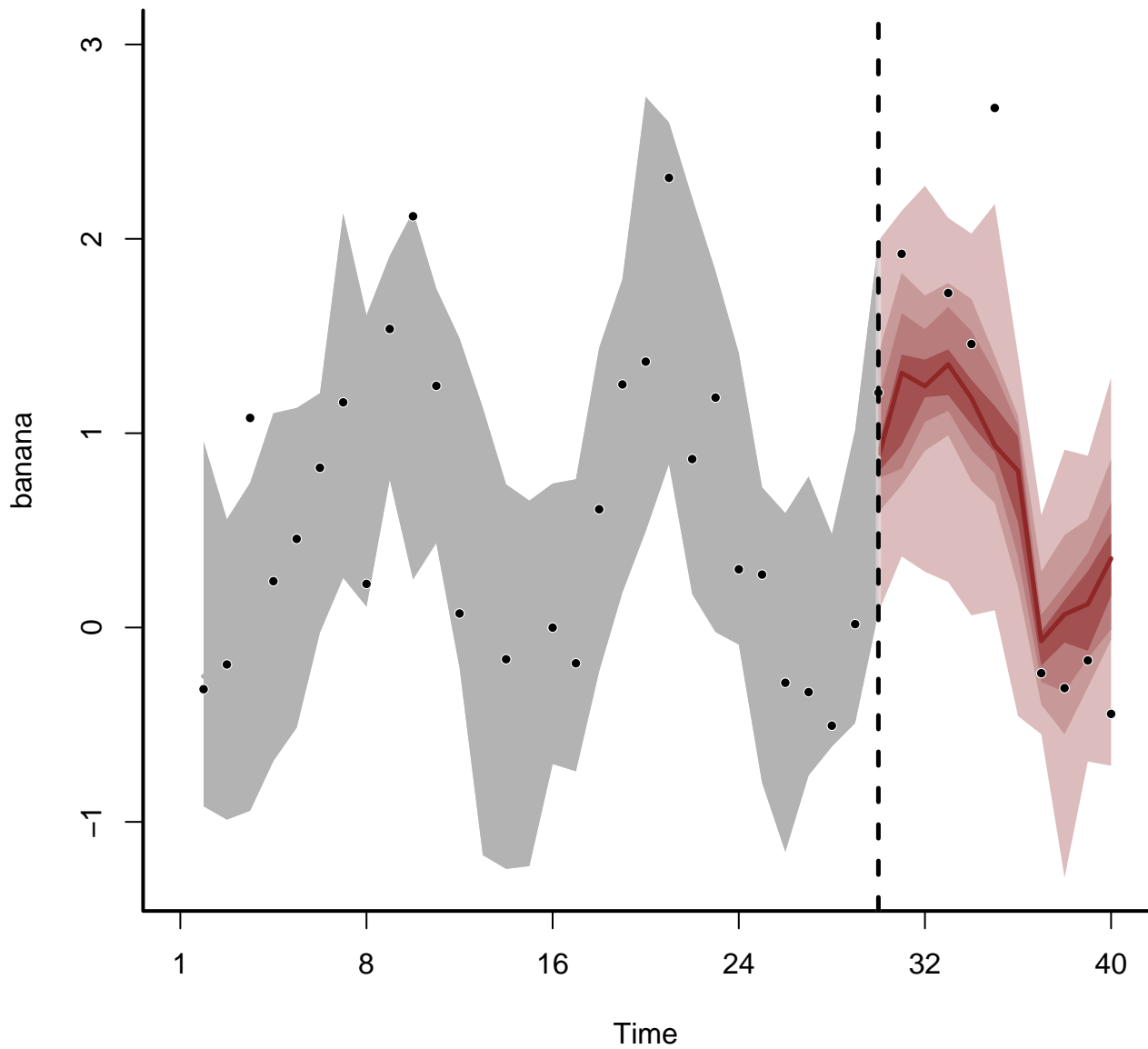


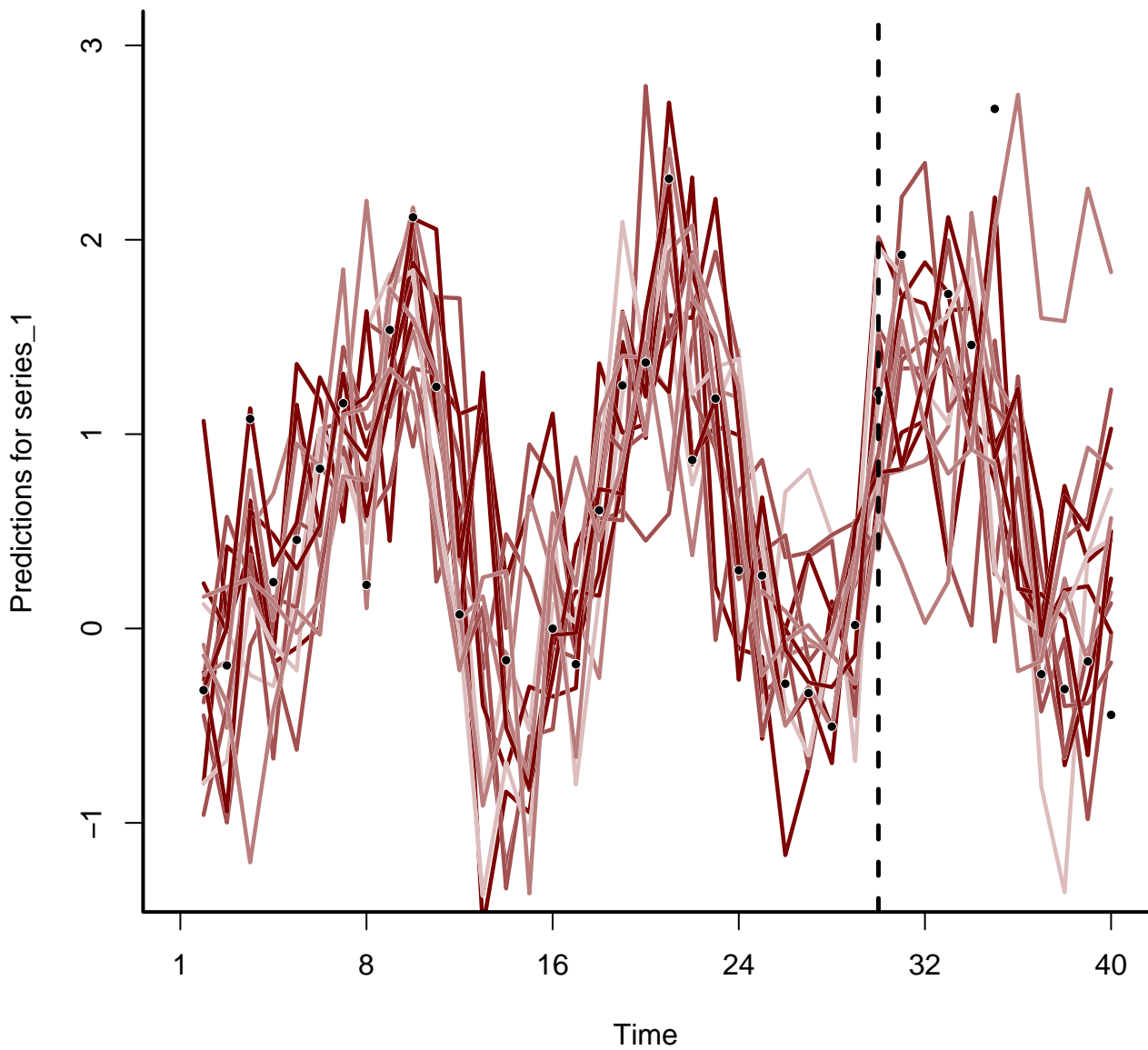


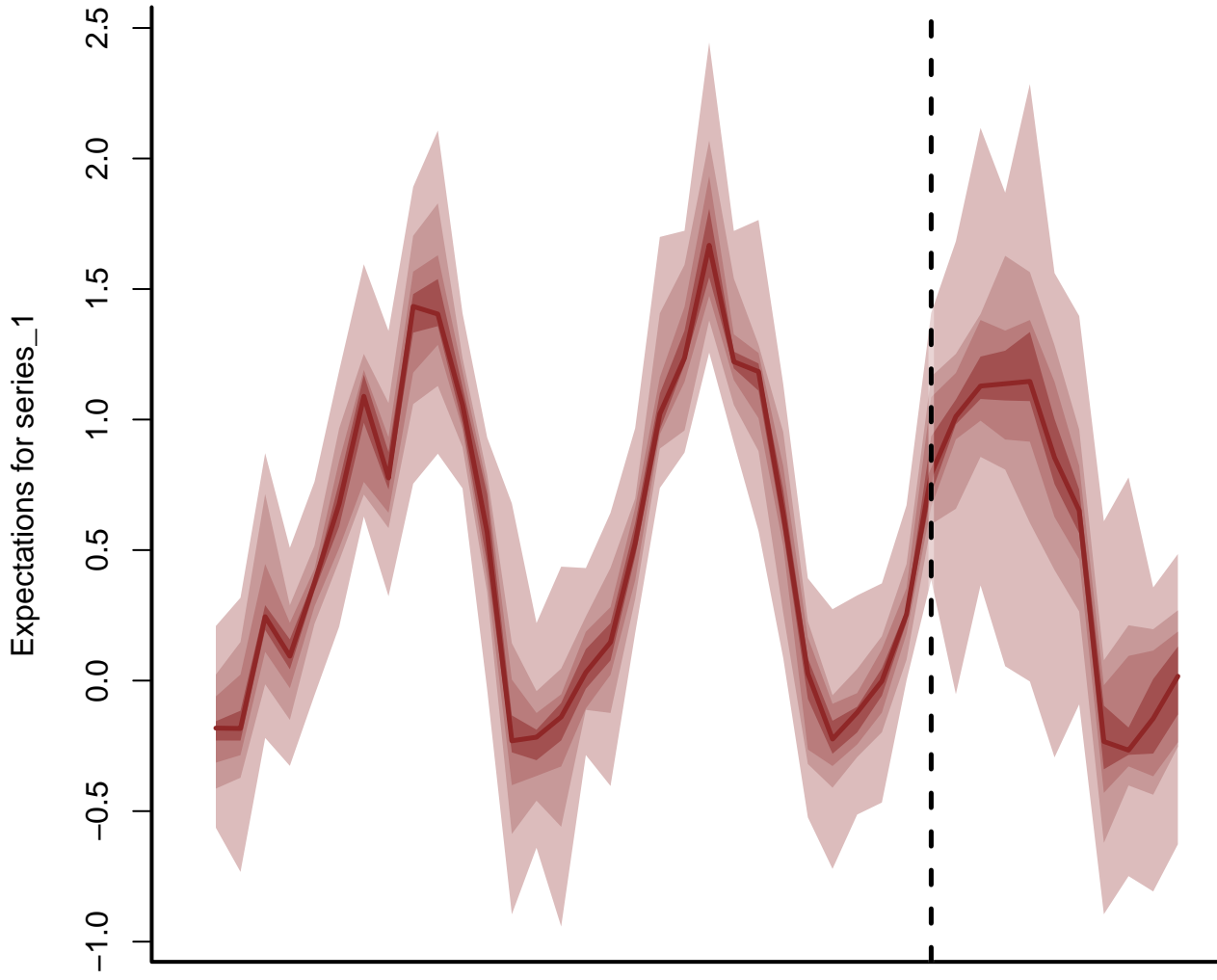


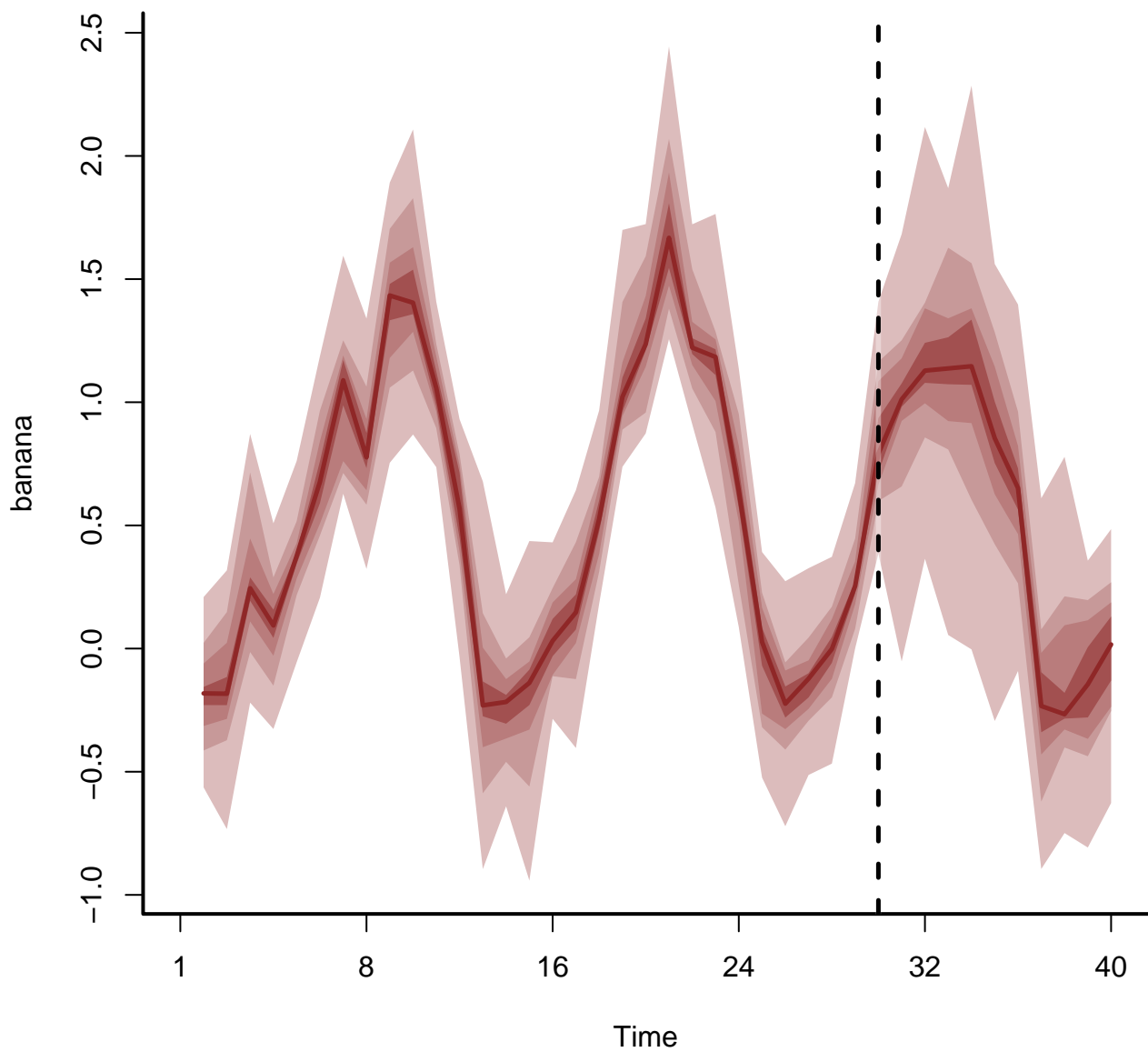


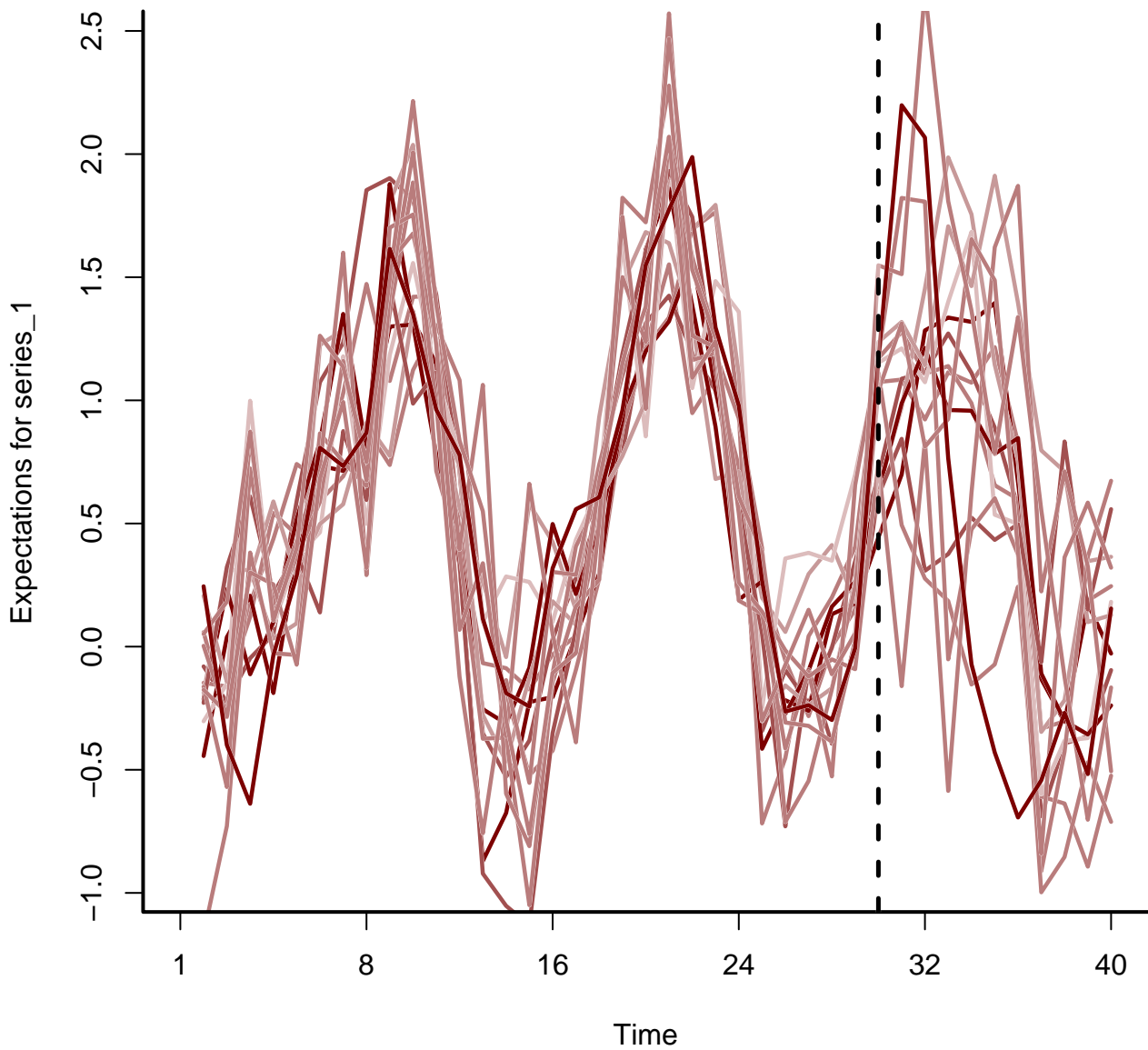


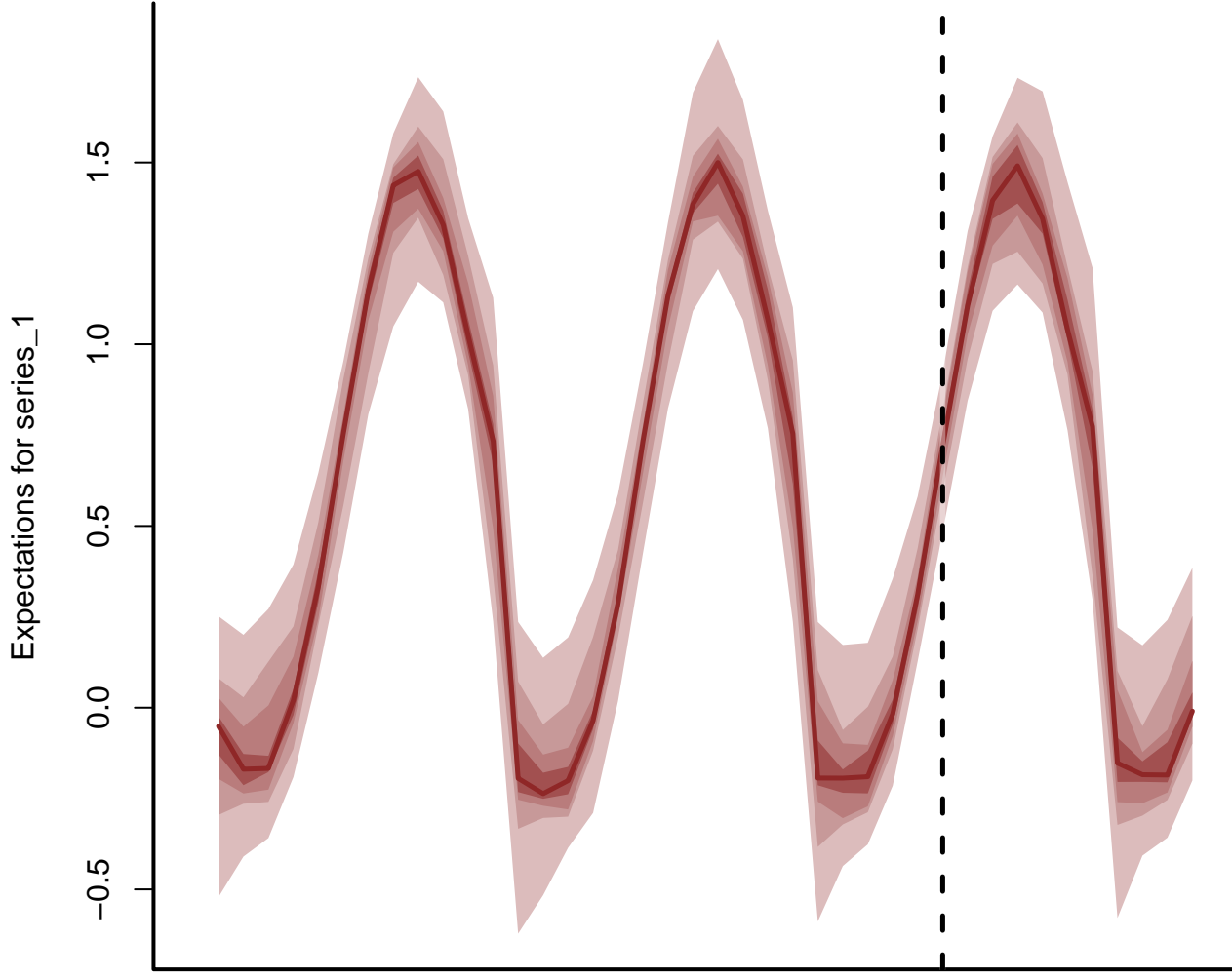


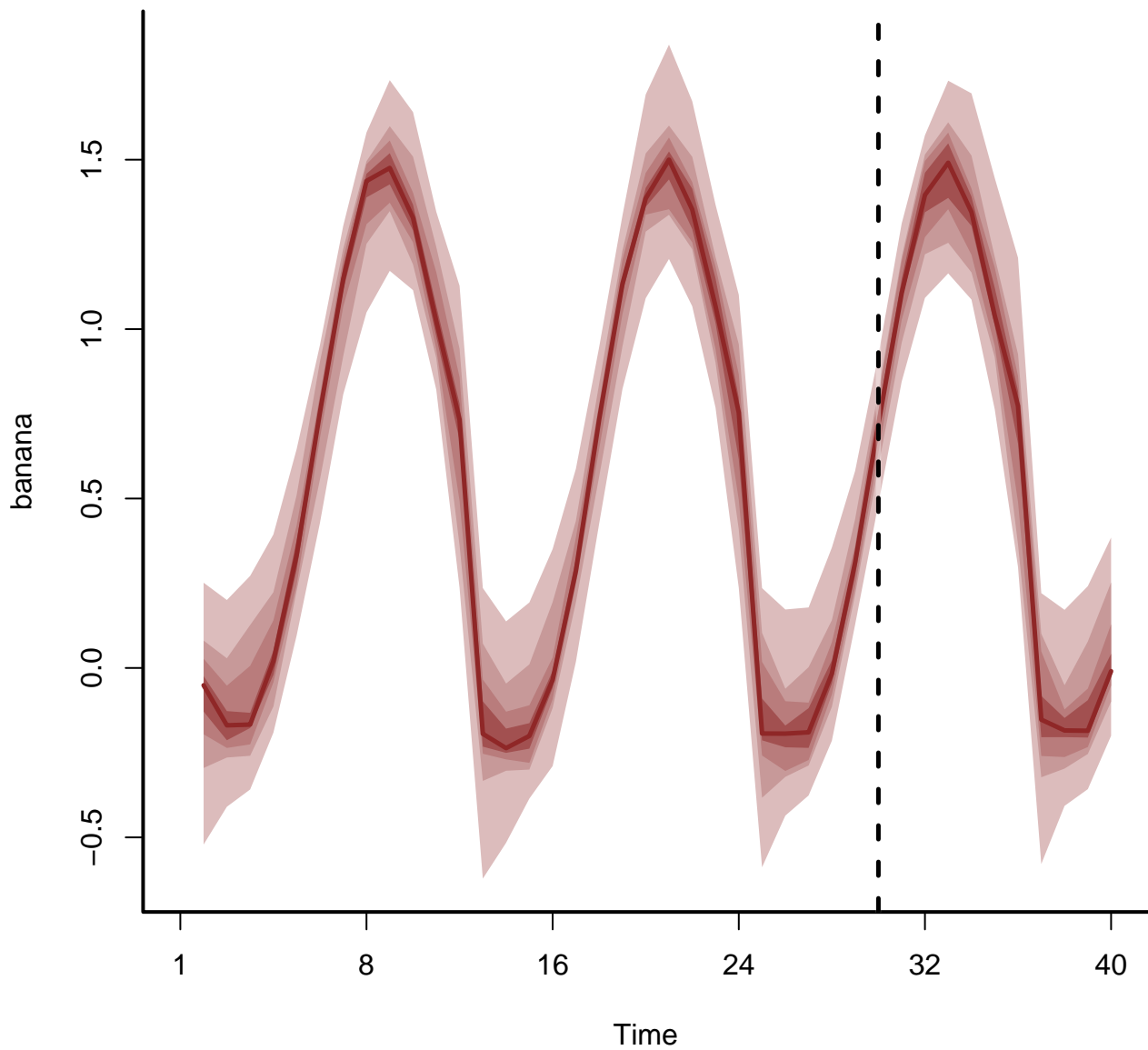


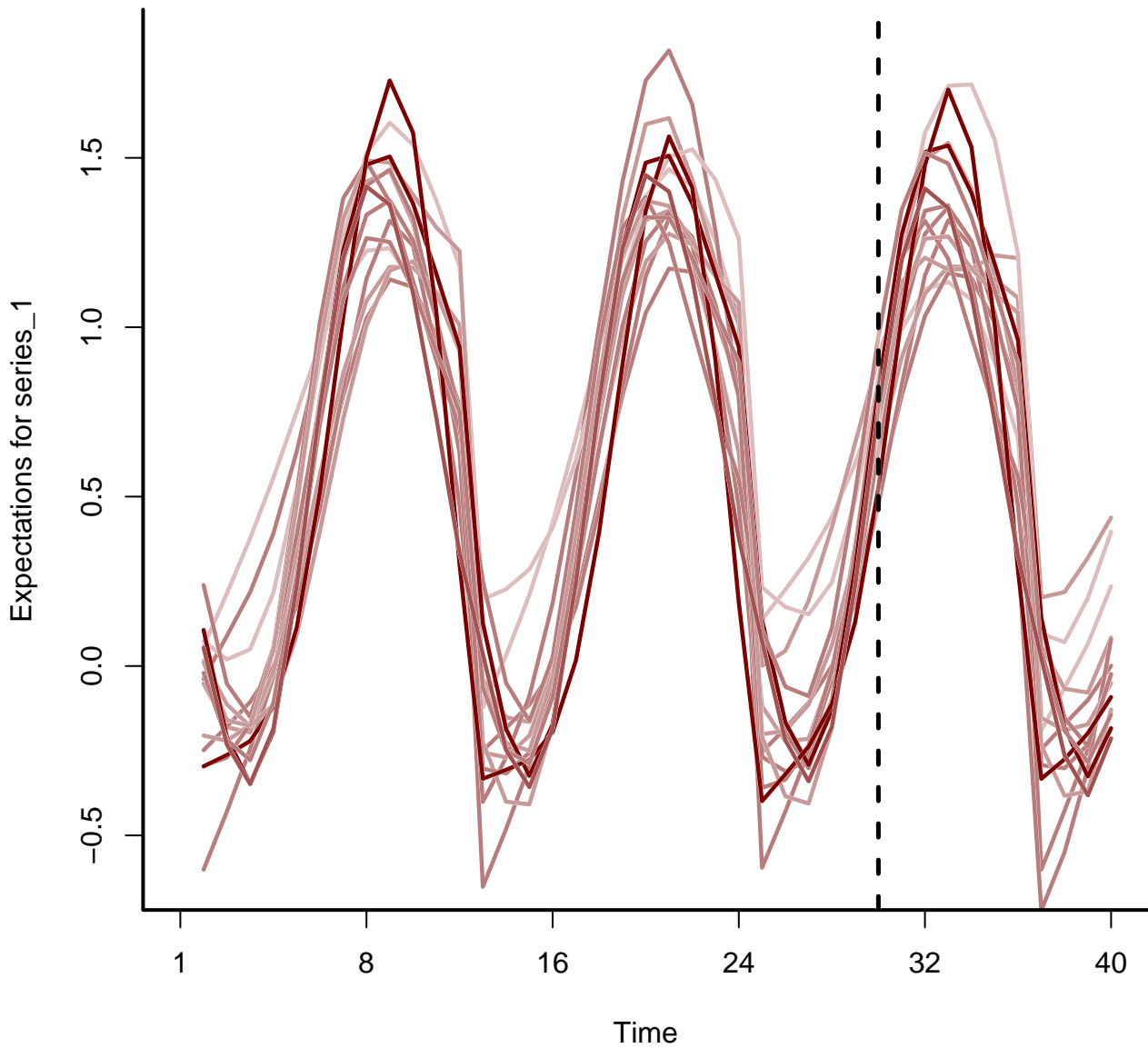


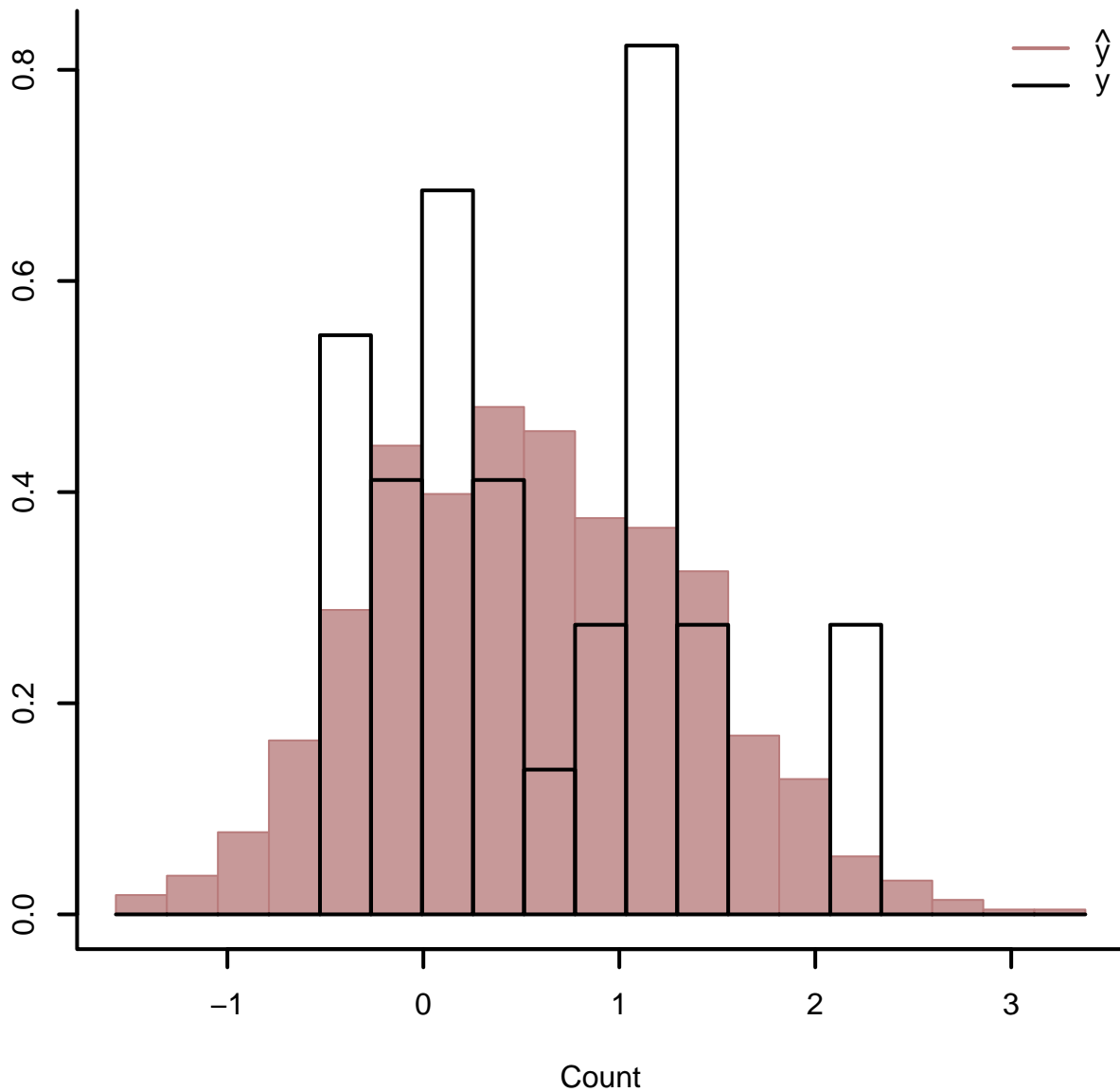


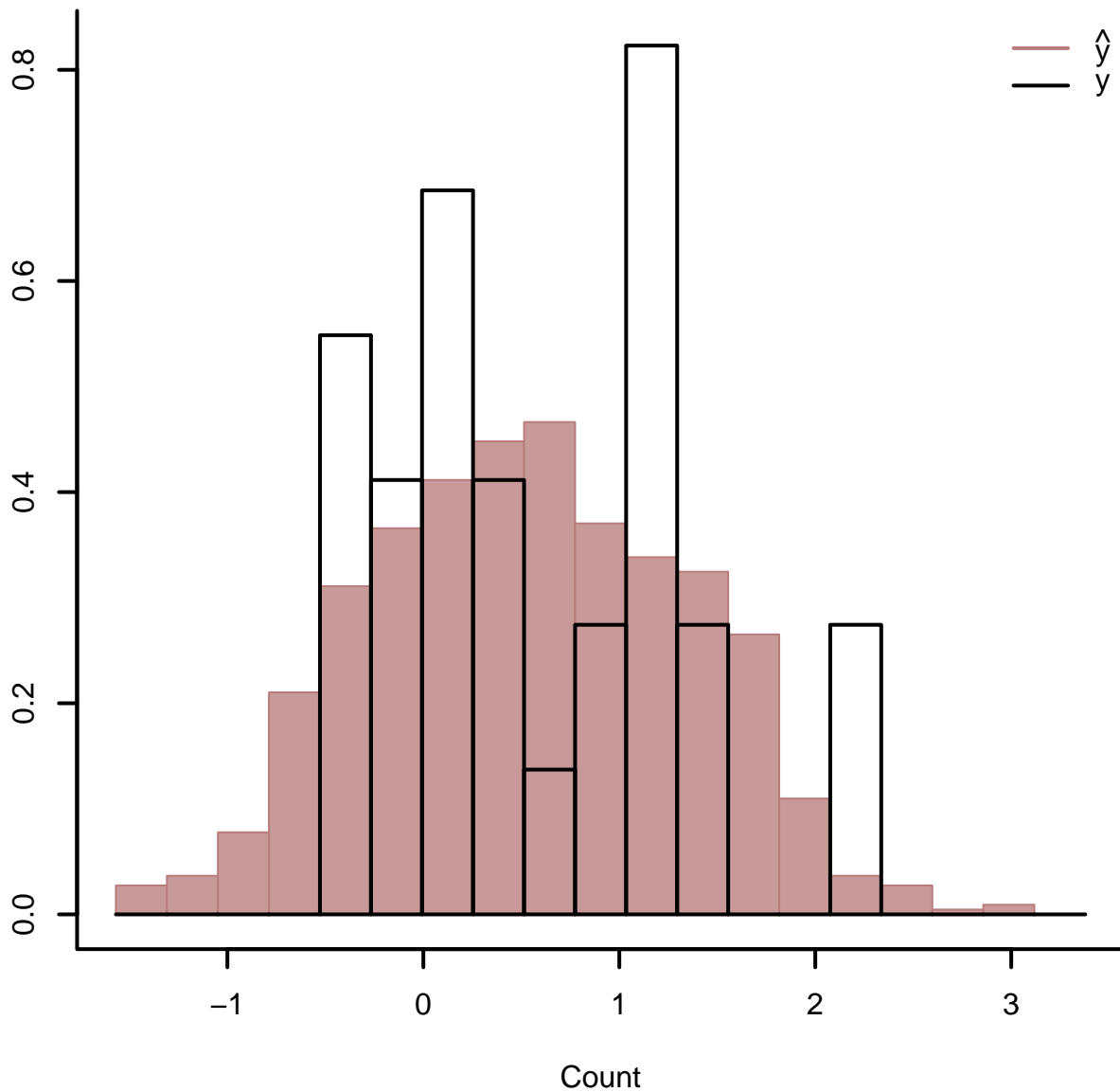




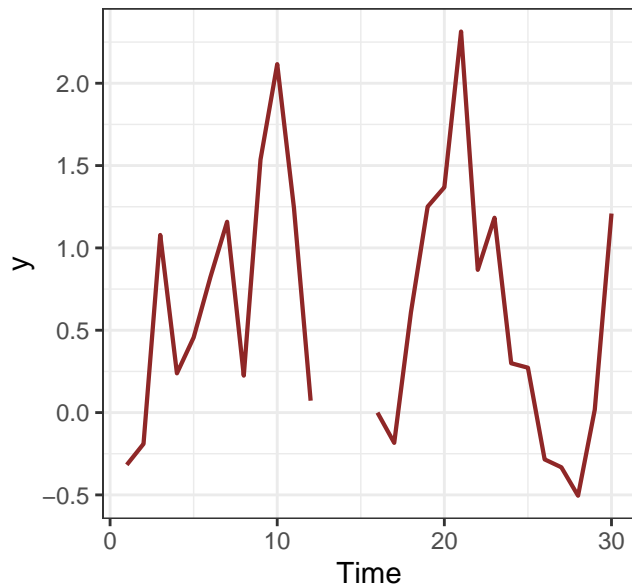




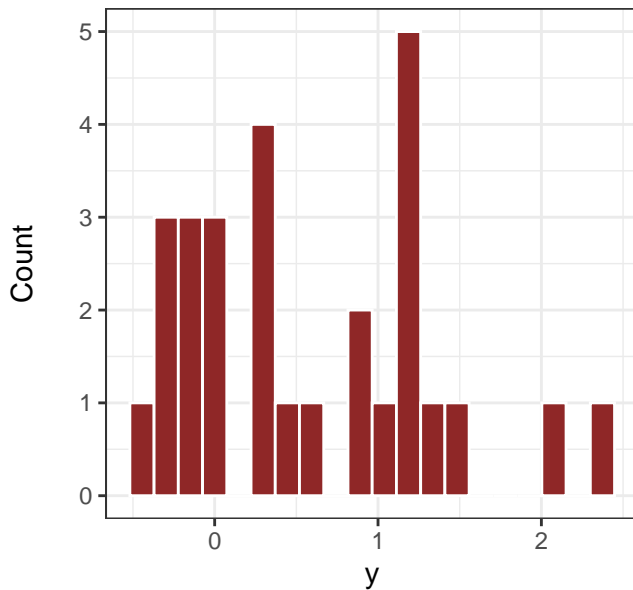




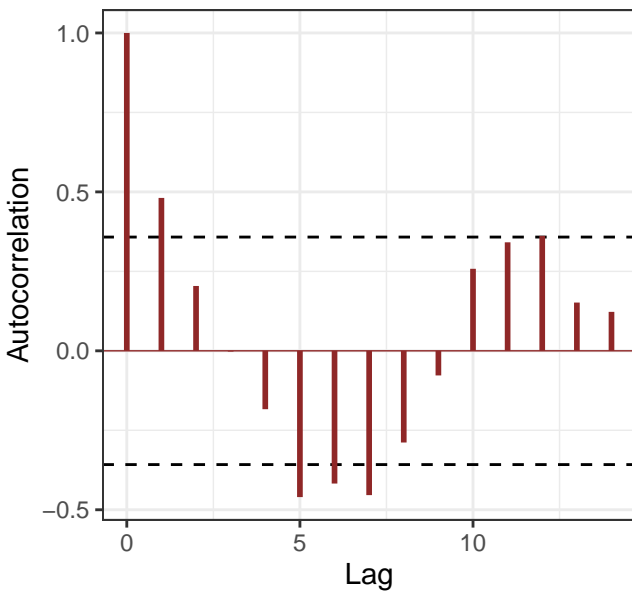
Time series



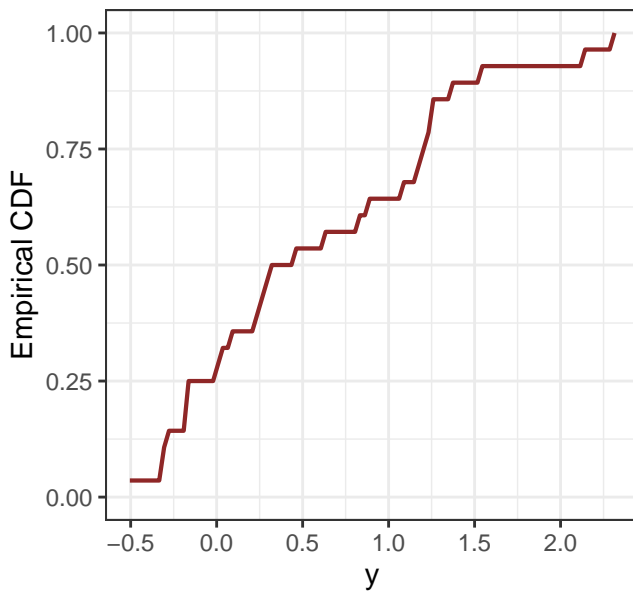
Histogram



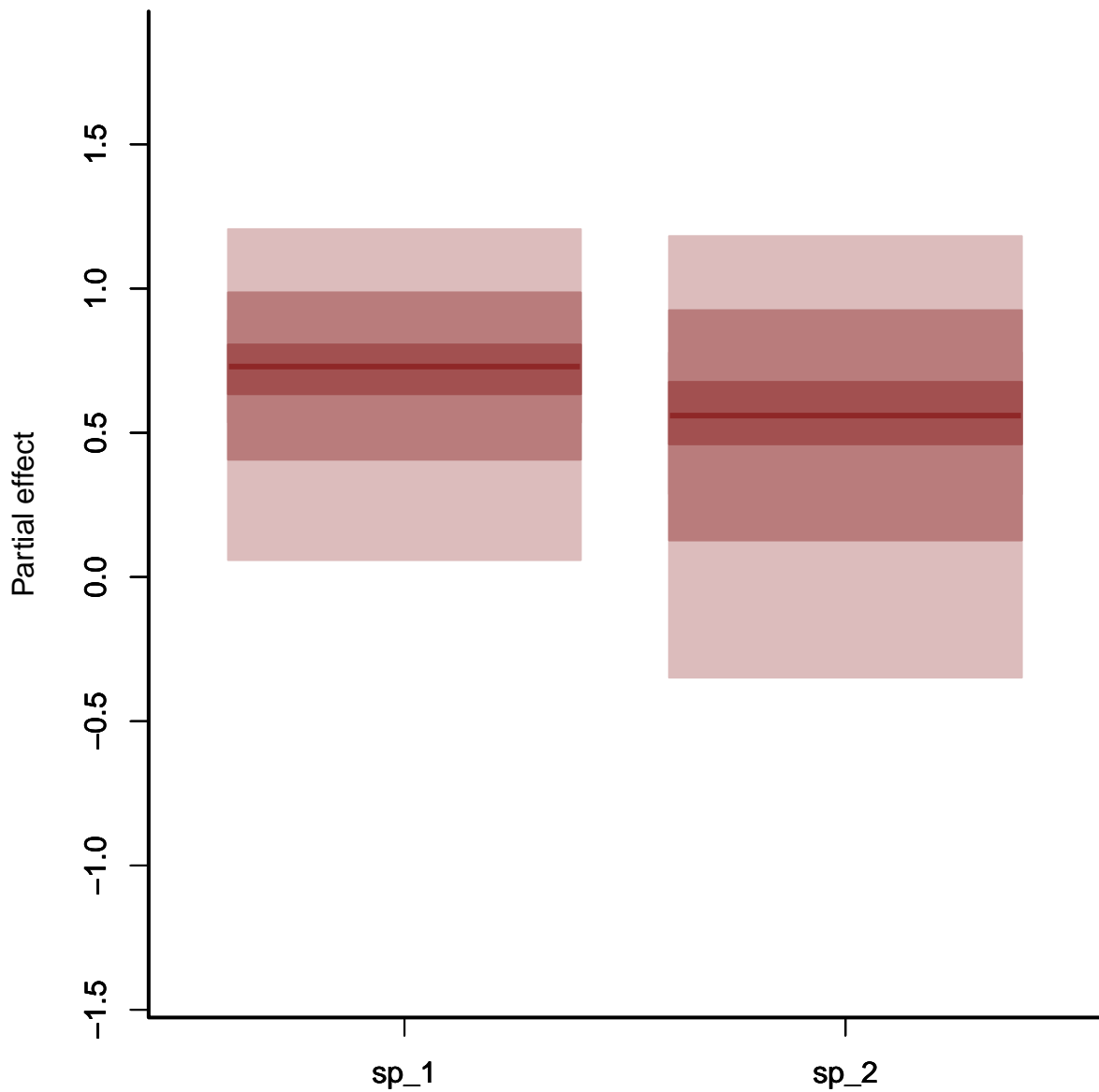
ACF



CDF



species



species

Partial effect

0.0

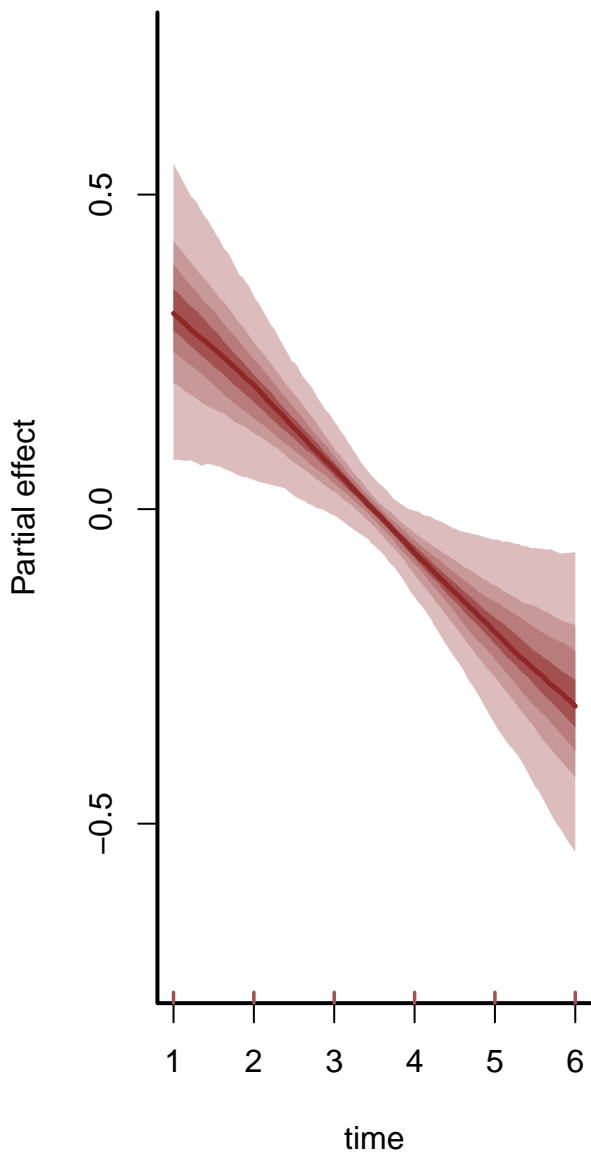
-0.5

-1.0

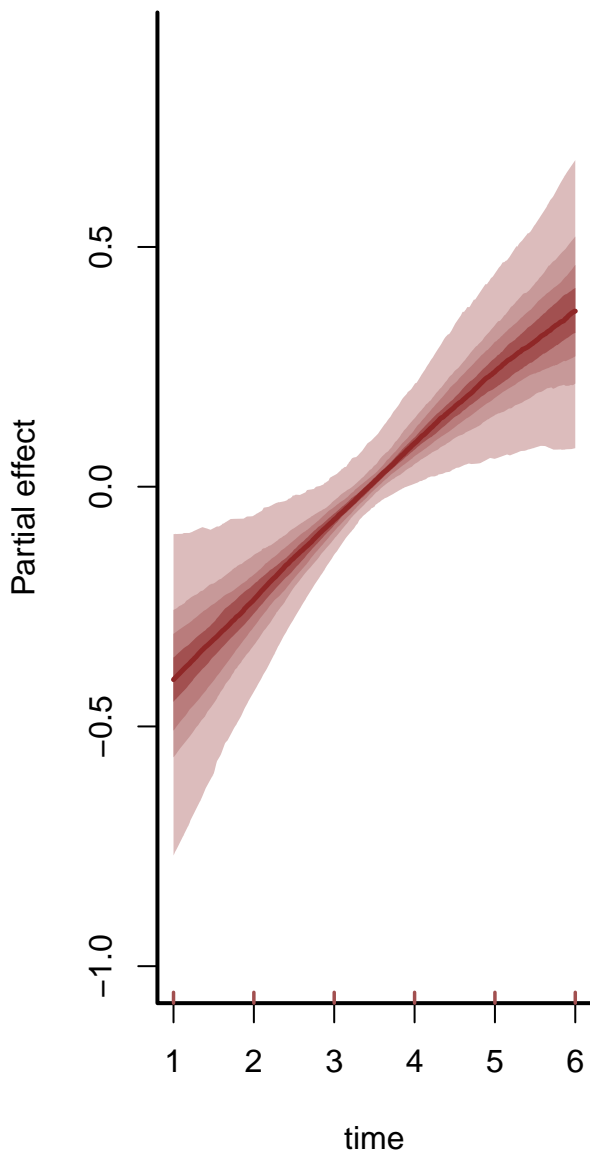
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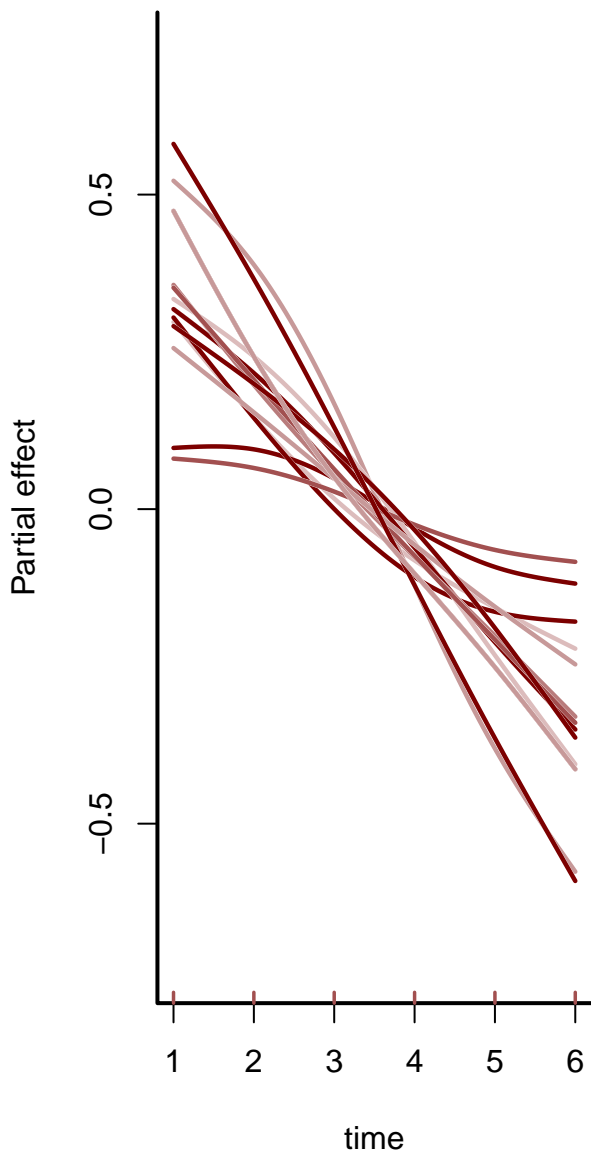
s(time):trendtrend1



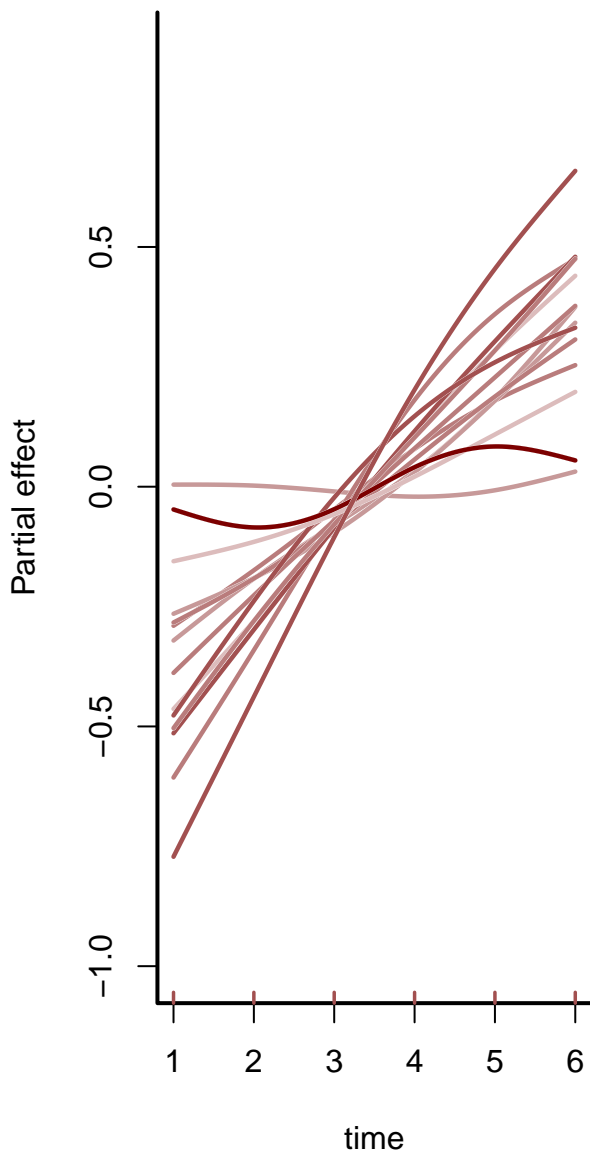
s(time):trendtrend2



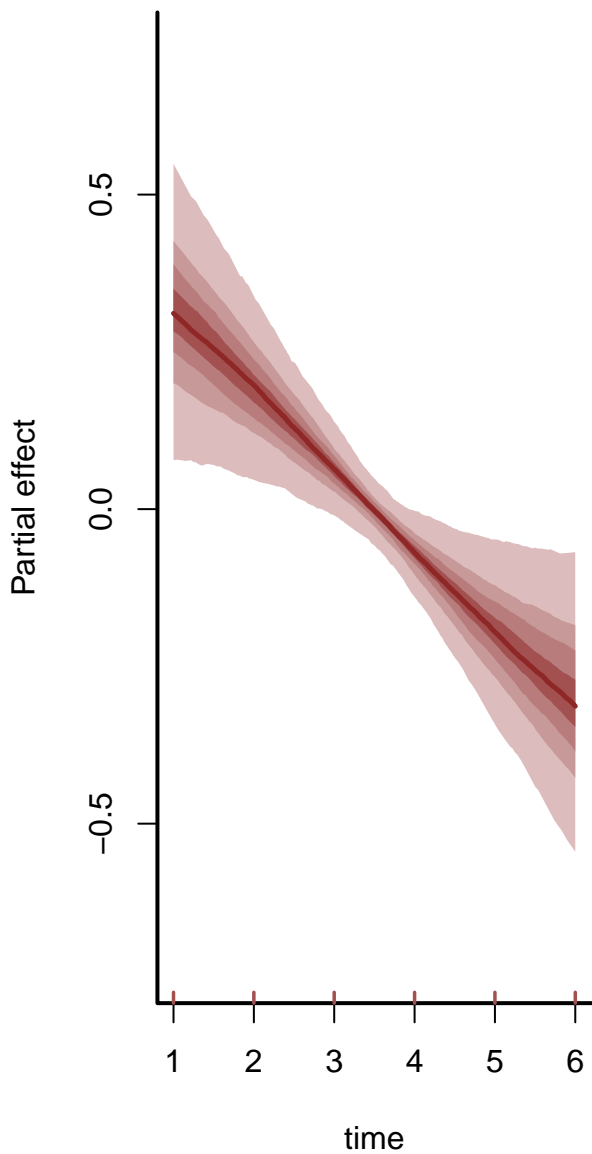
s(time):trendtrend1



s(time):trendtrend2



s(time):trendtrend1



s(time):trendtrend2

