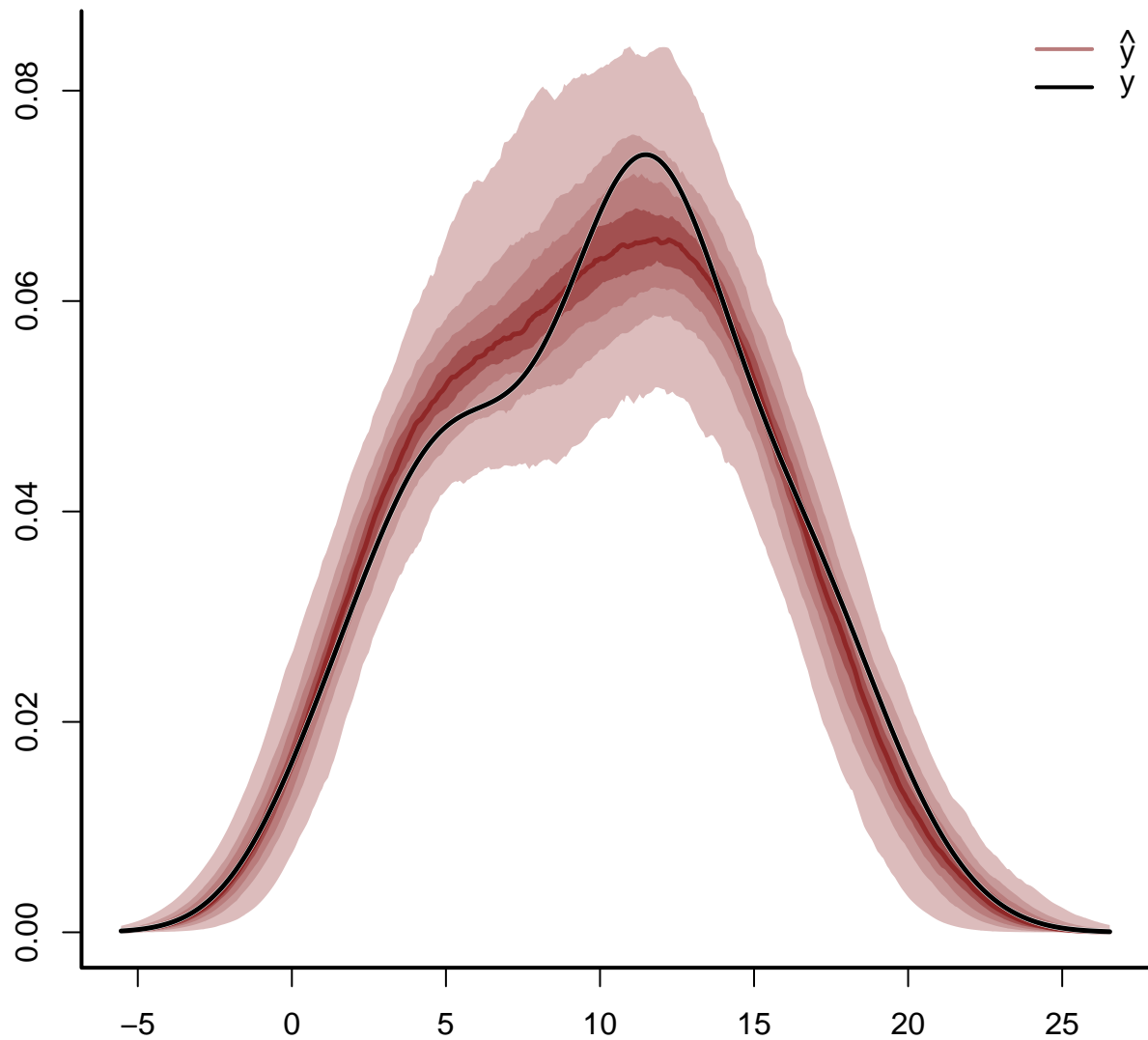
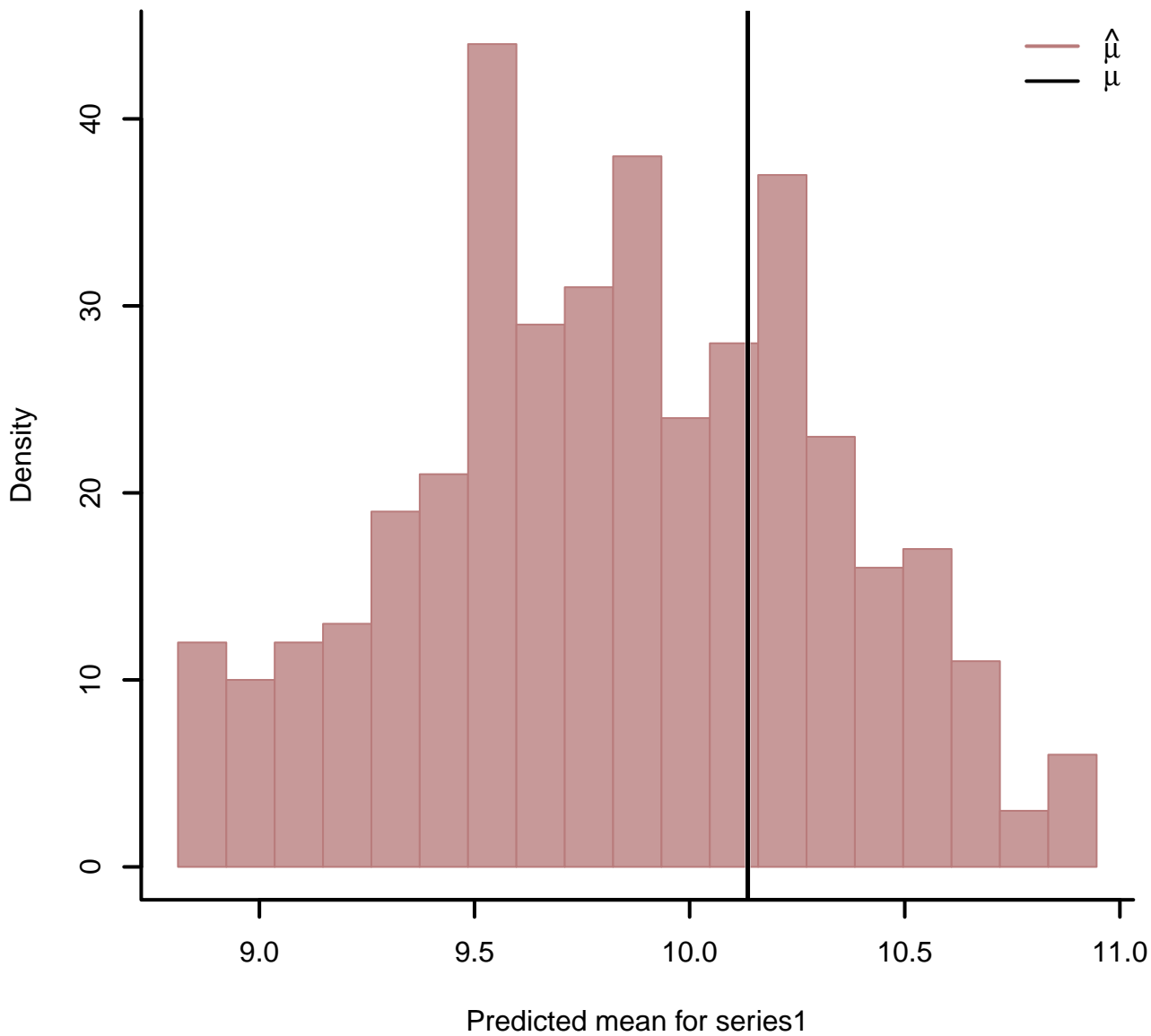
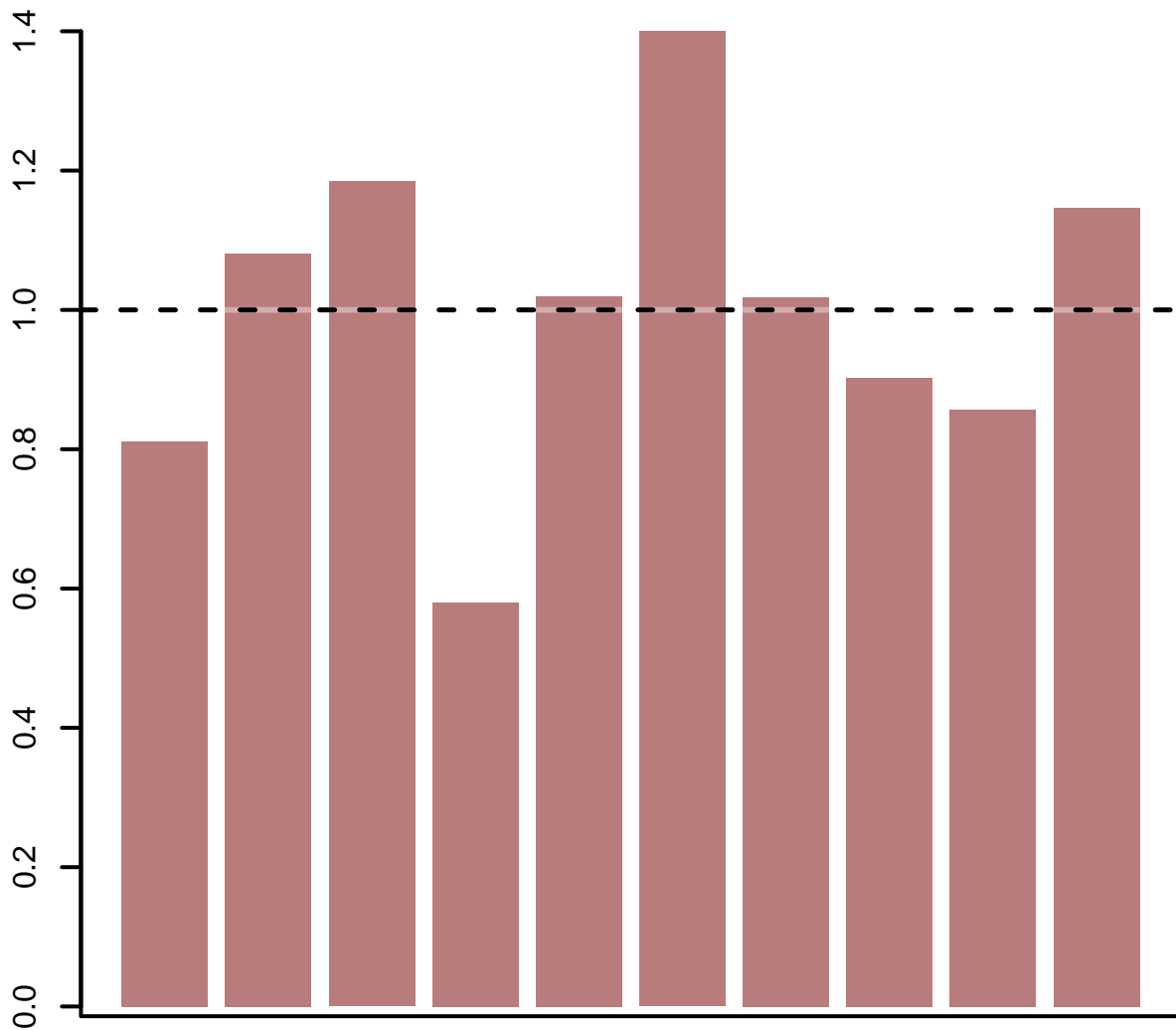


Predictive density for series1

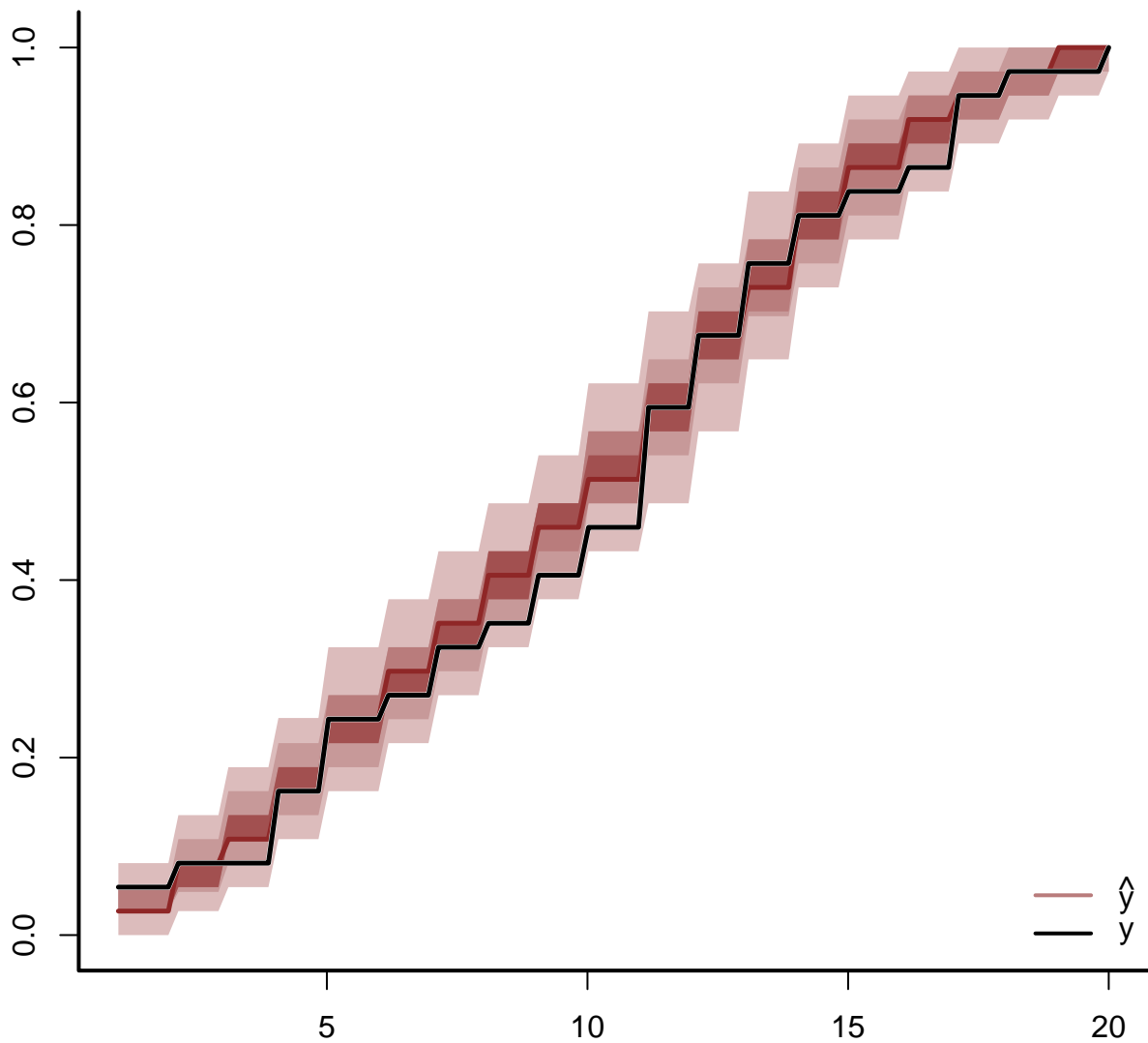


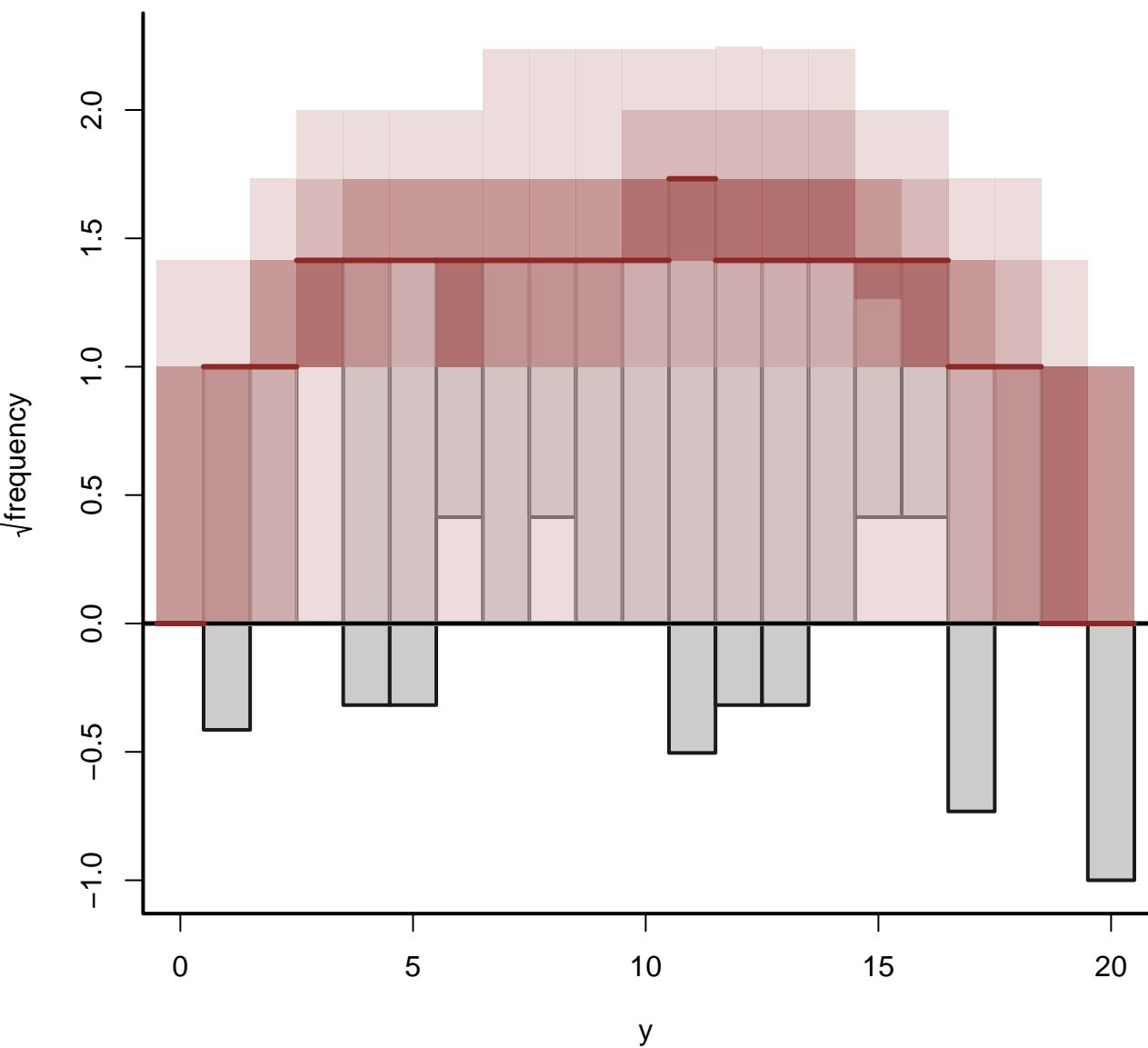




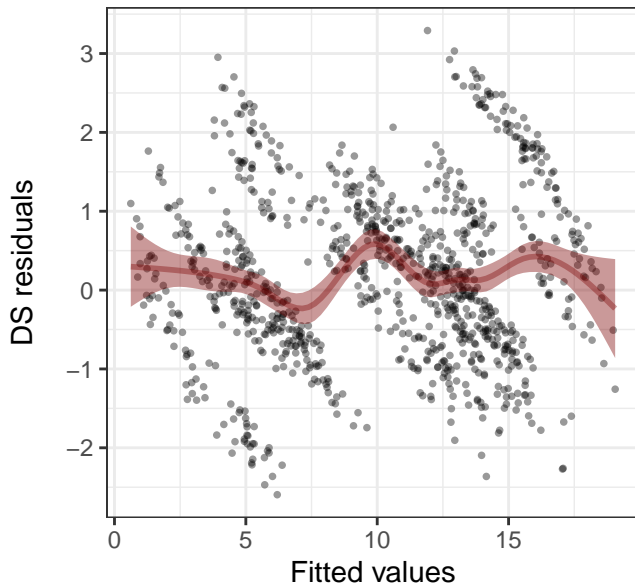
Predictive PIT for series1

Predictive CDF for series1

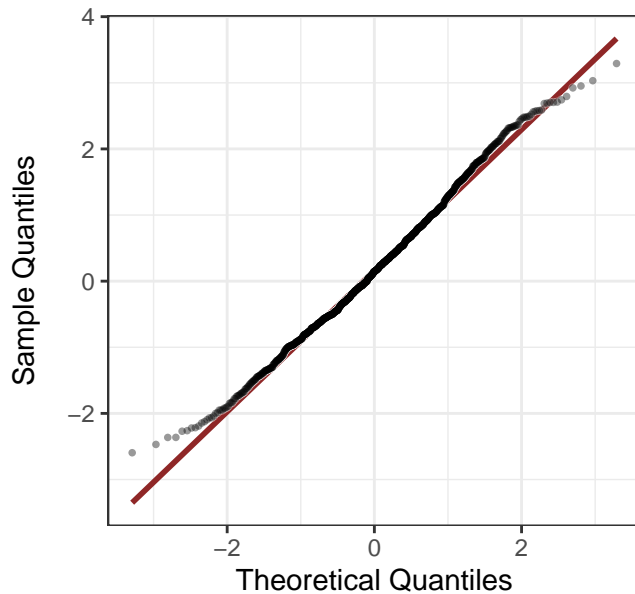




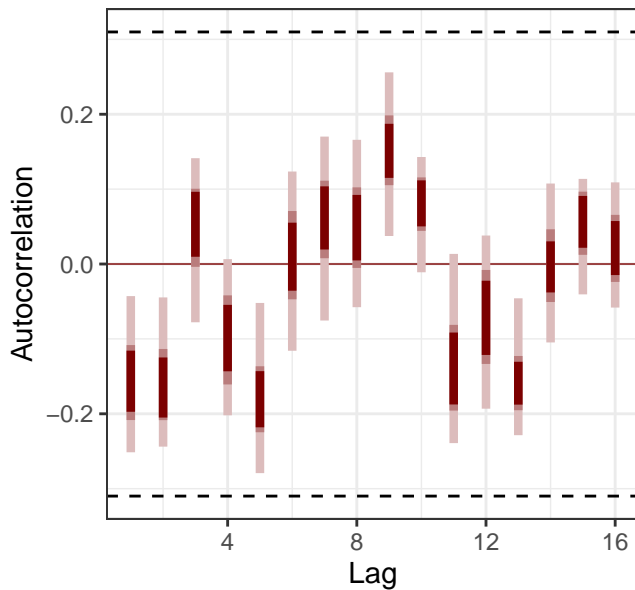
Resids vs Fitted



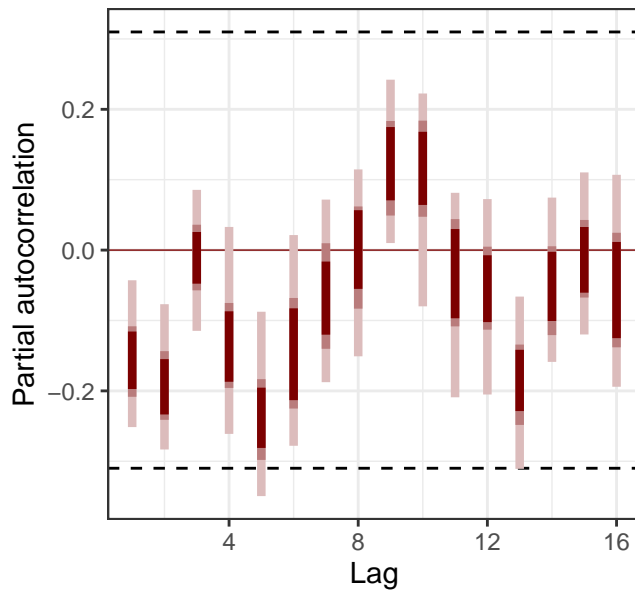
Normal Q-Q Plot

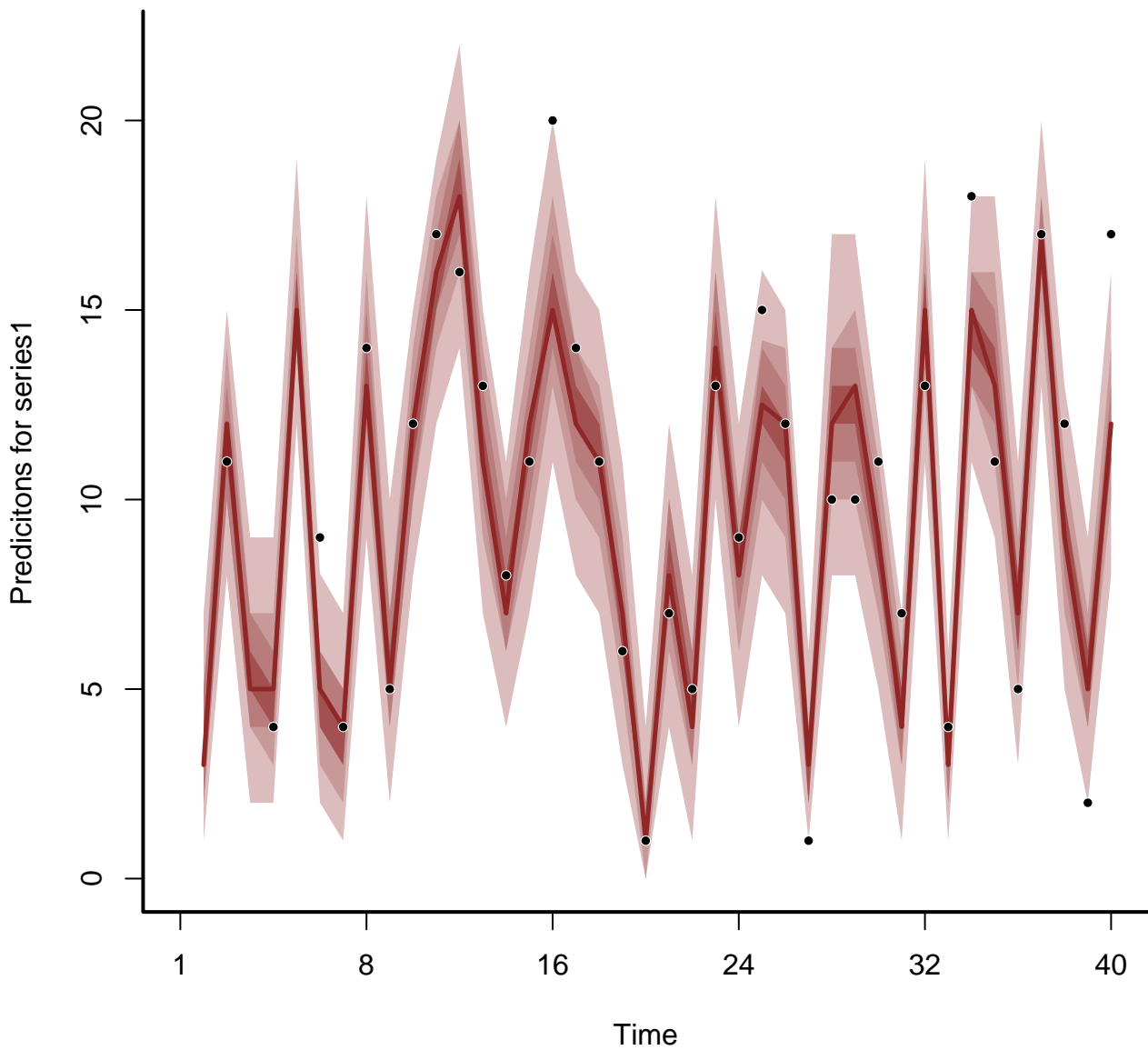


ACF

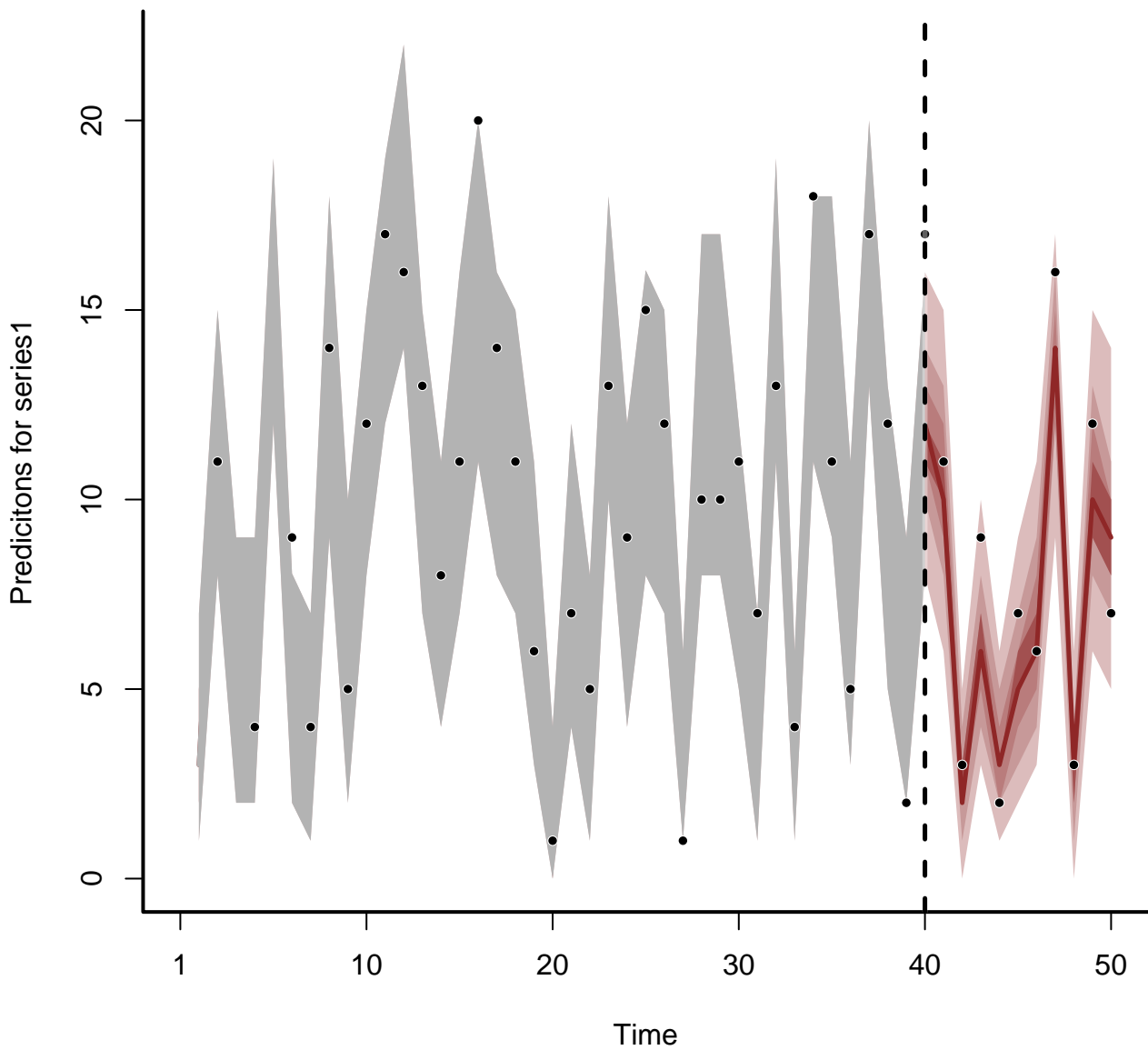


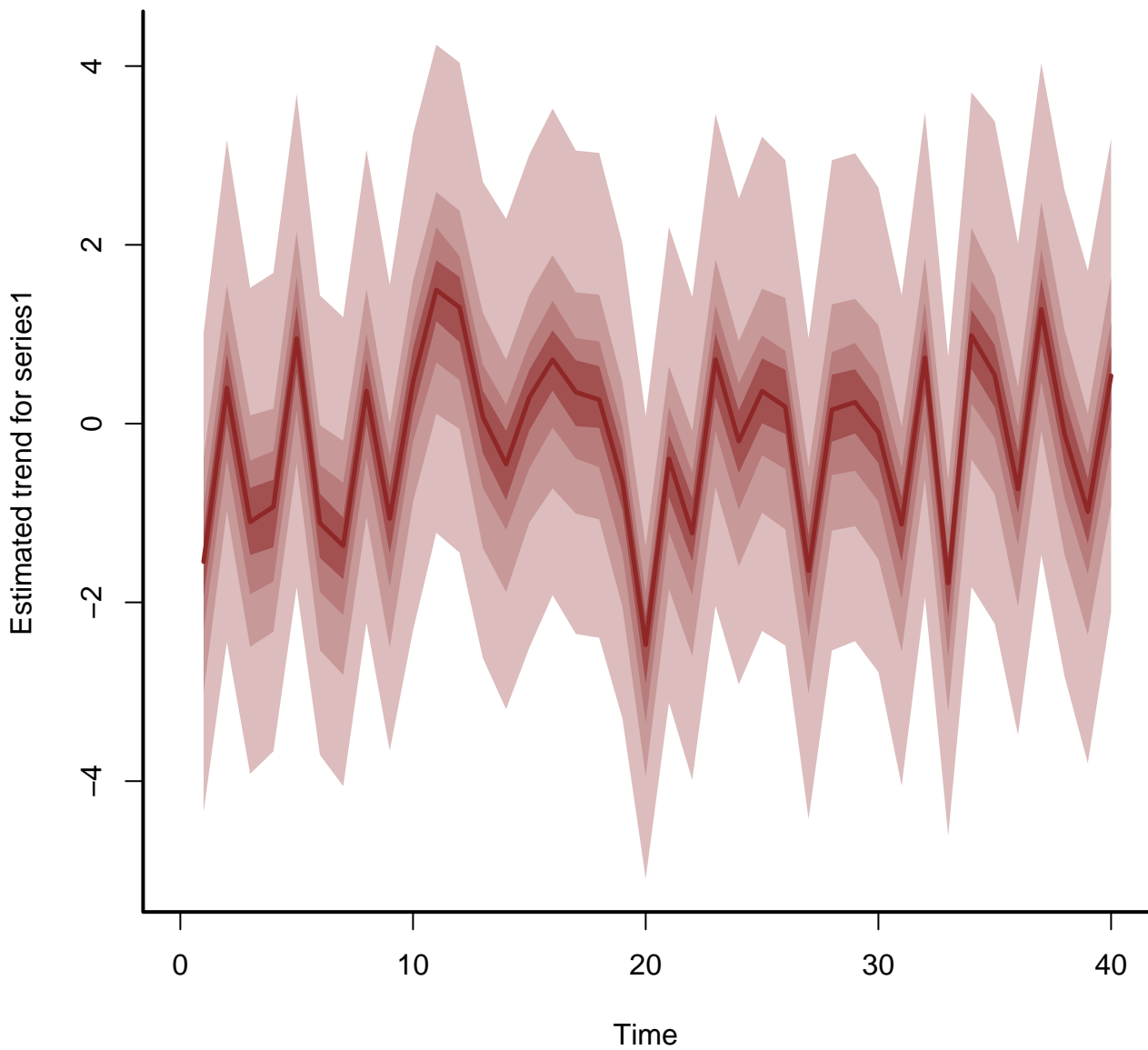
pACF

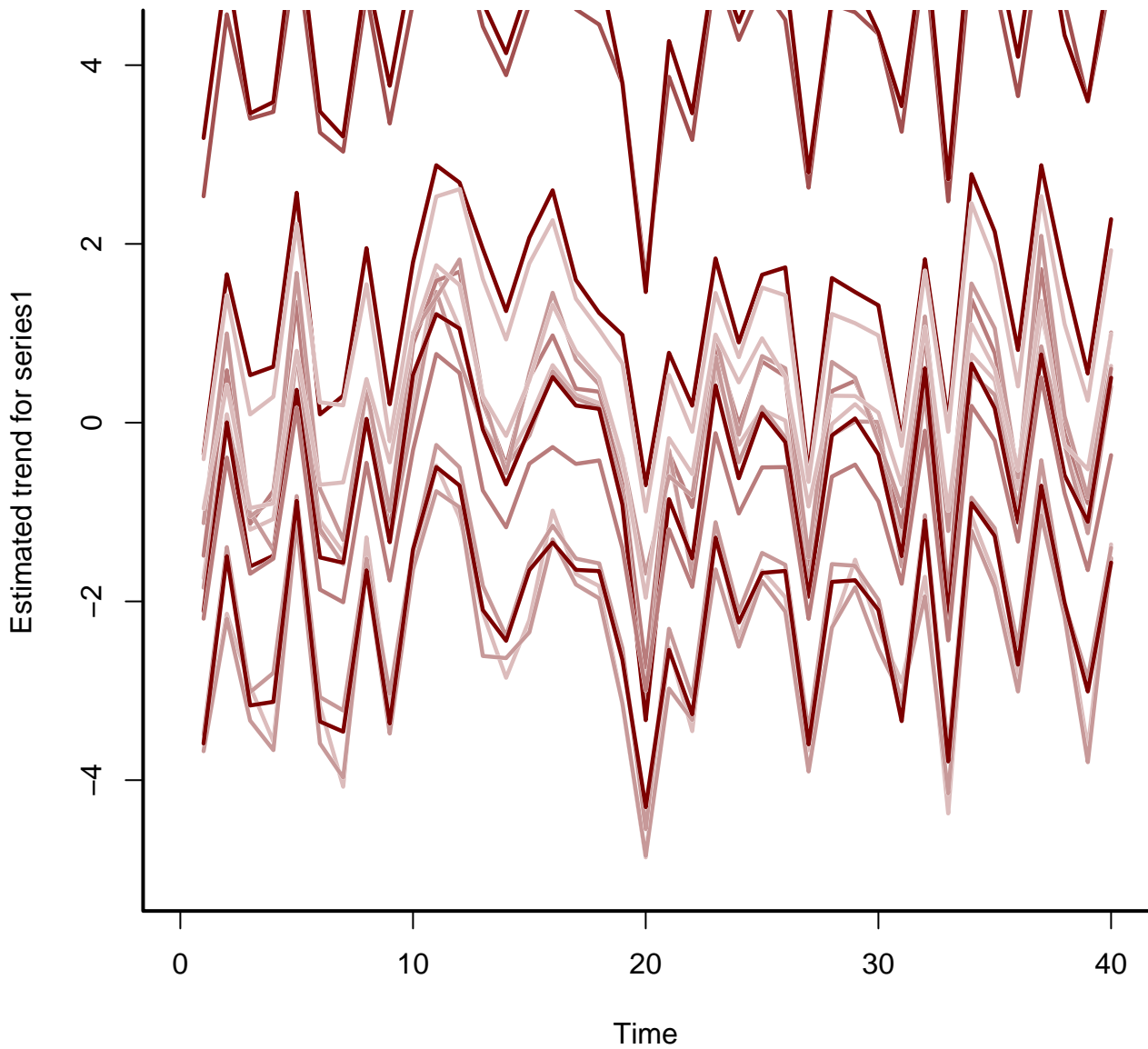


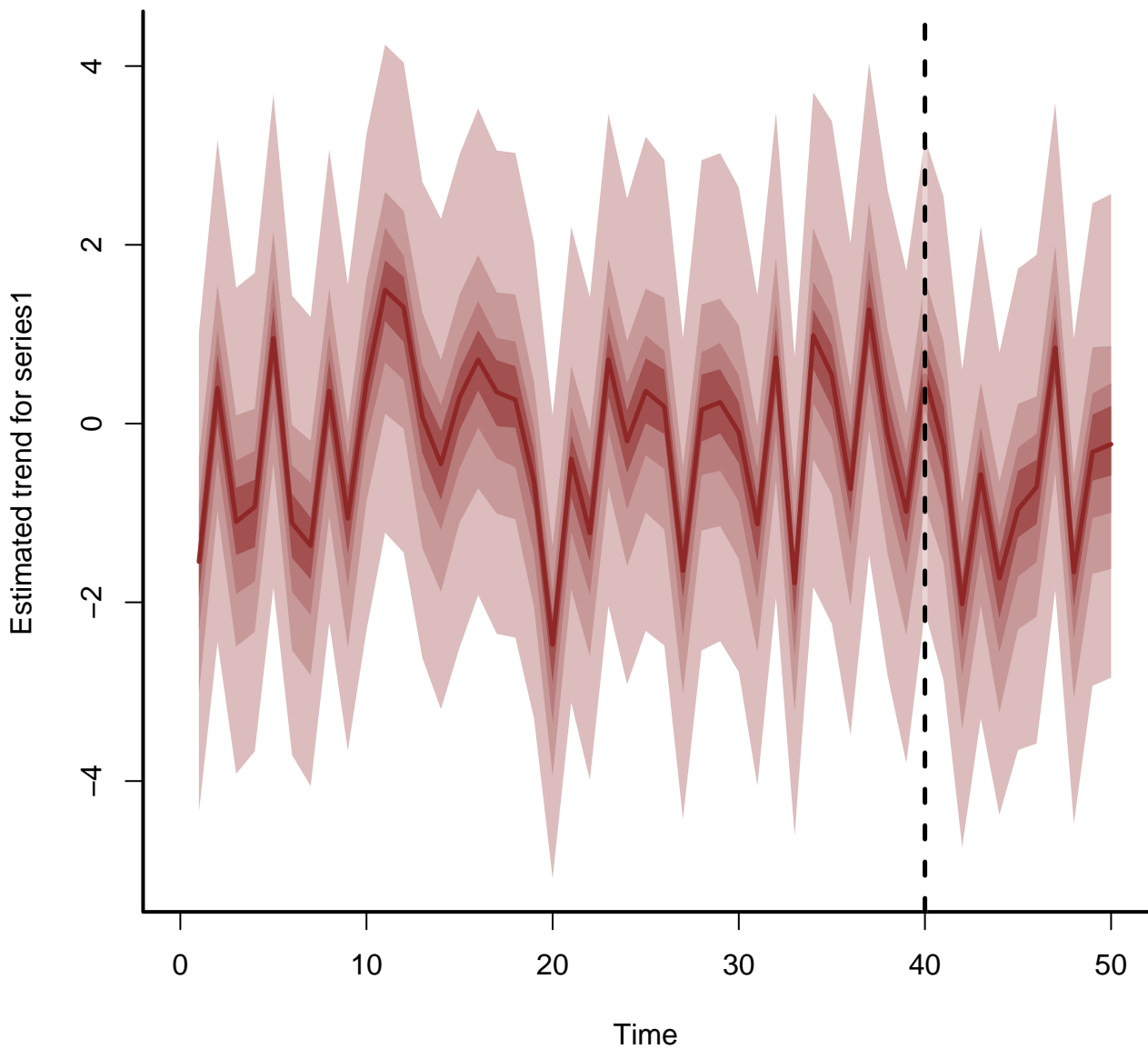


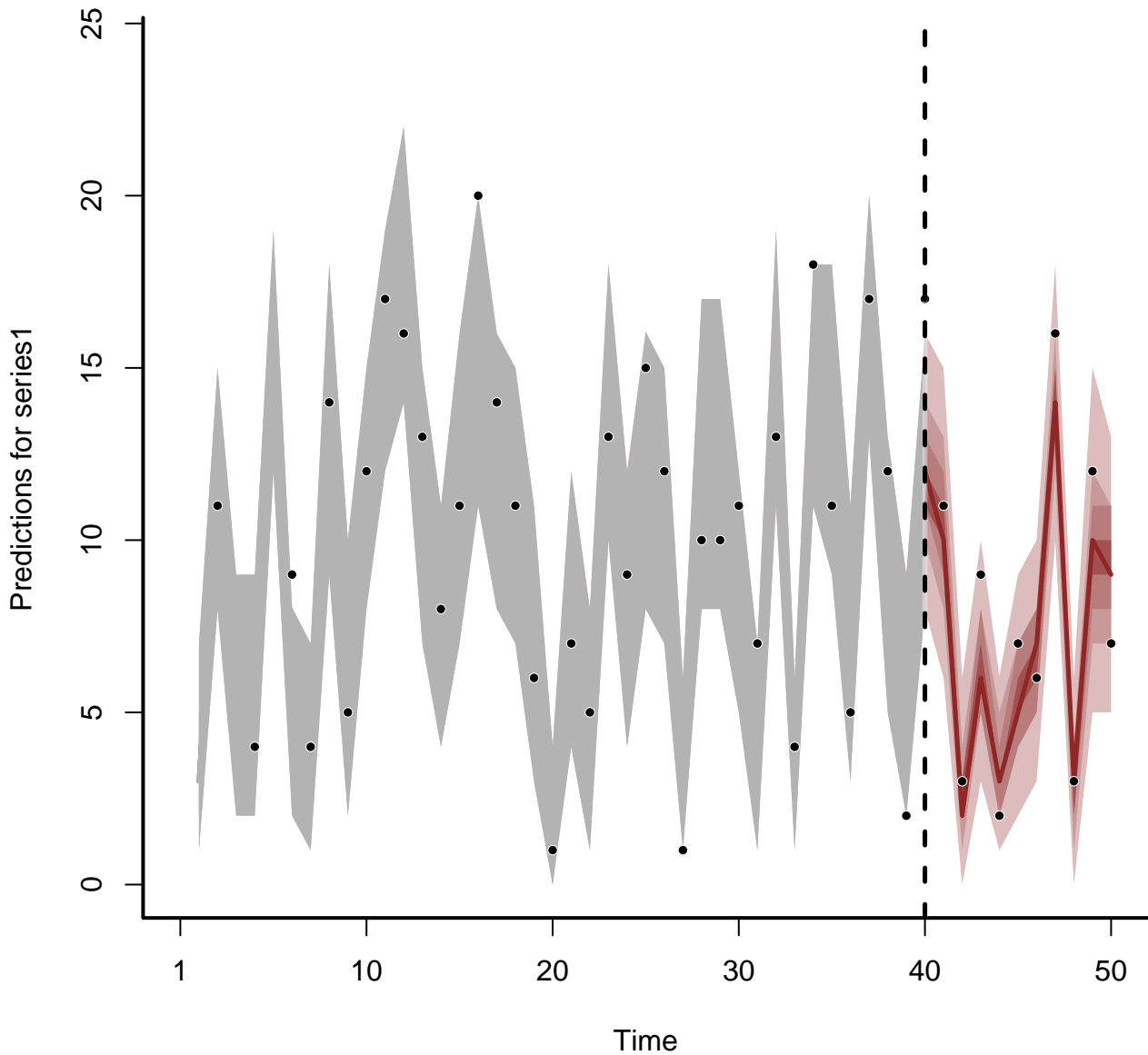


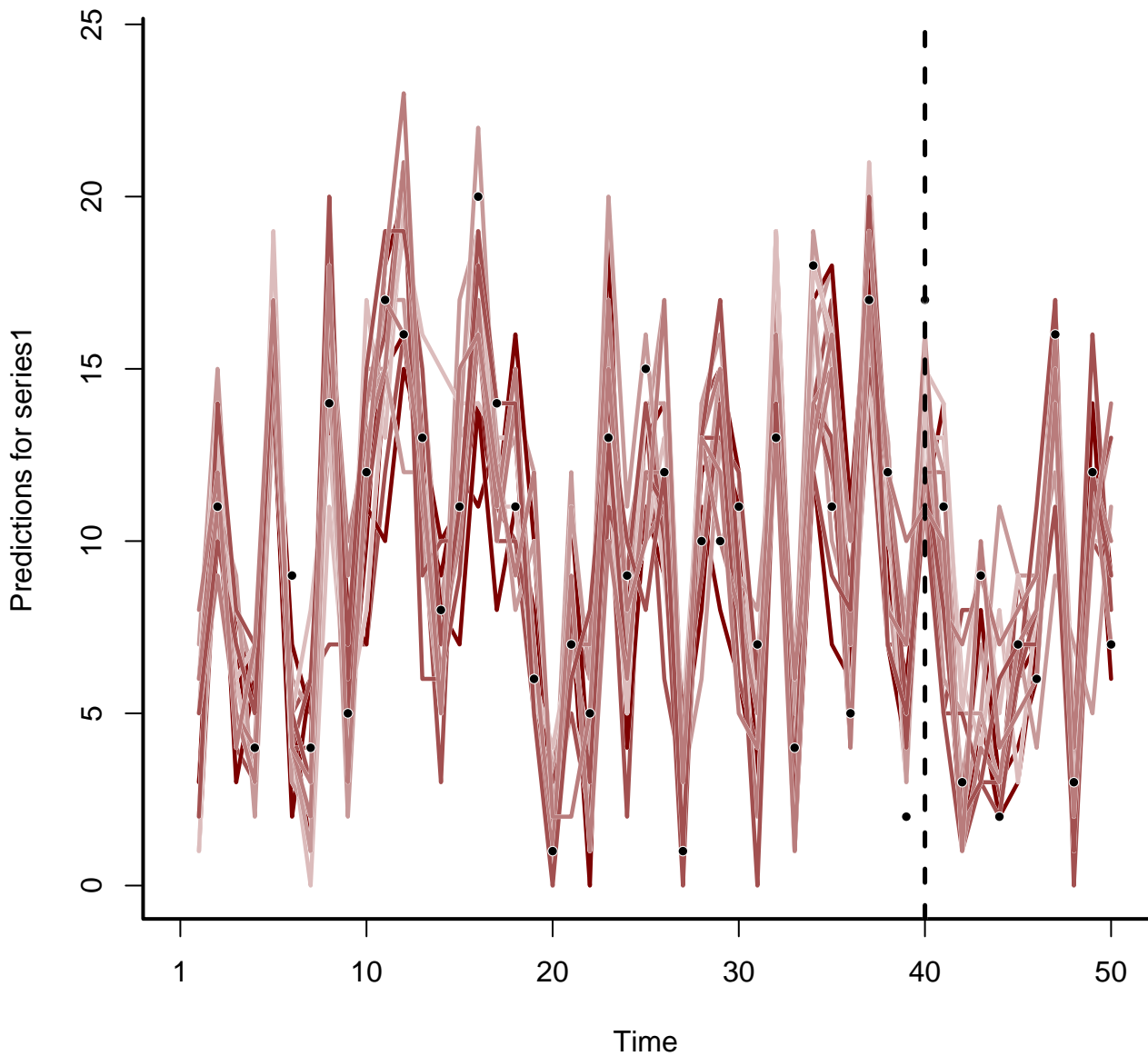




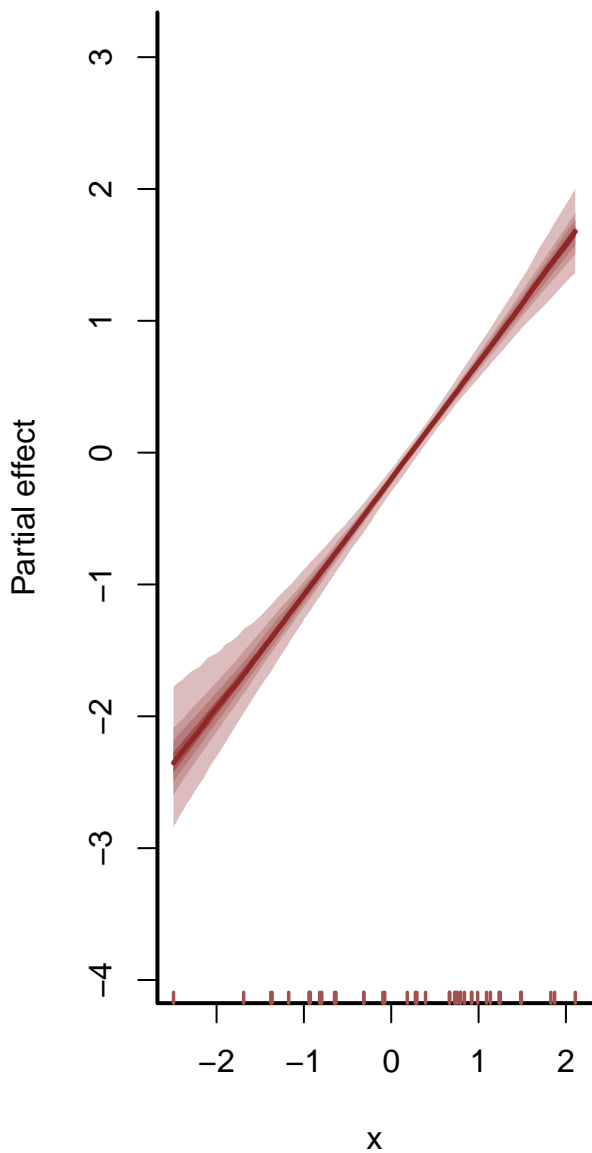




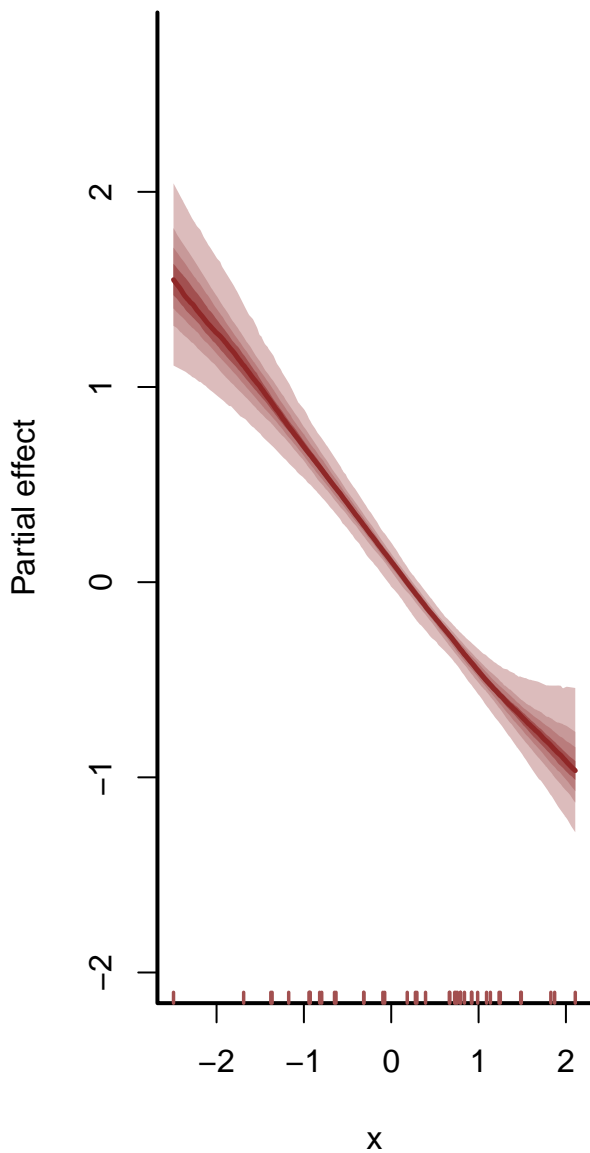




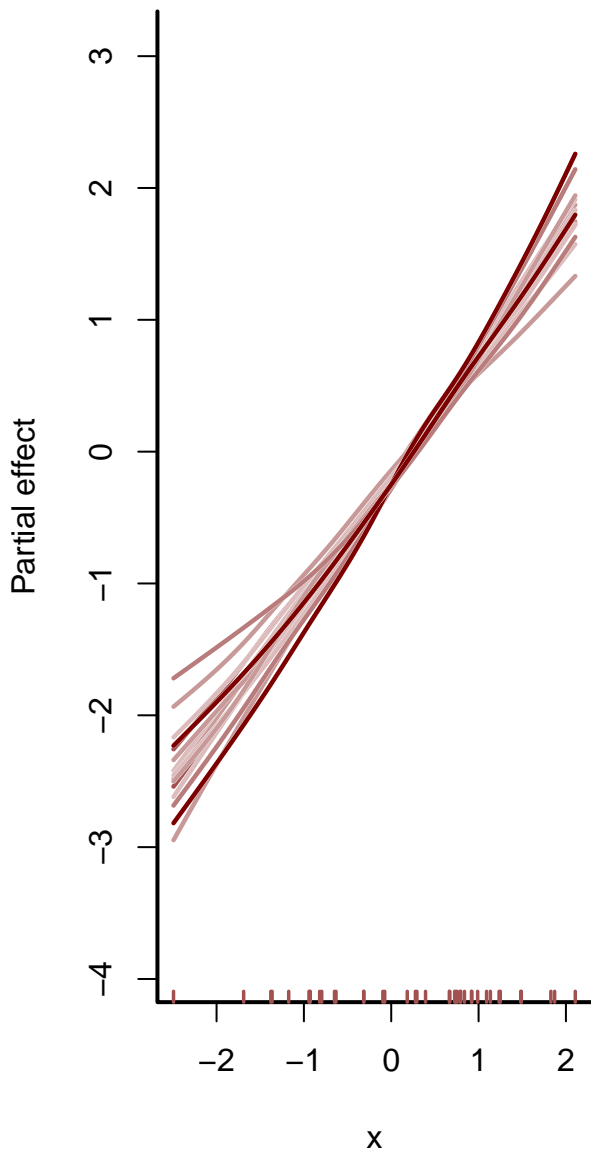
**s(x):trendtrend1**



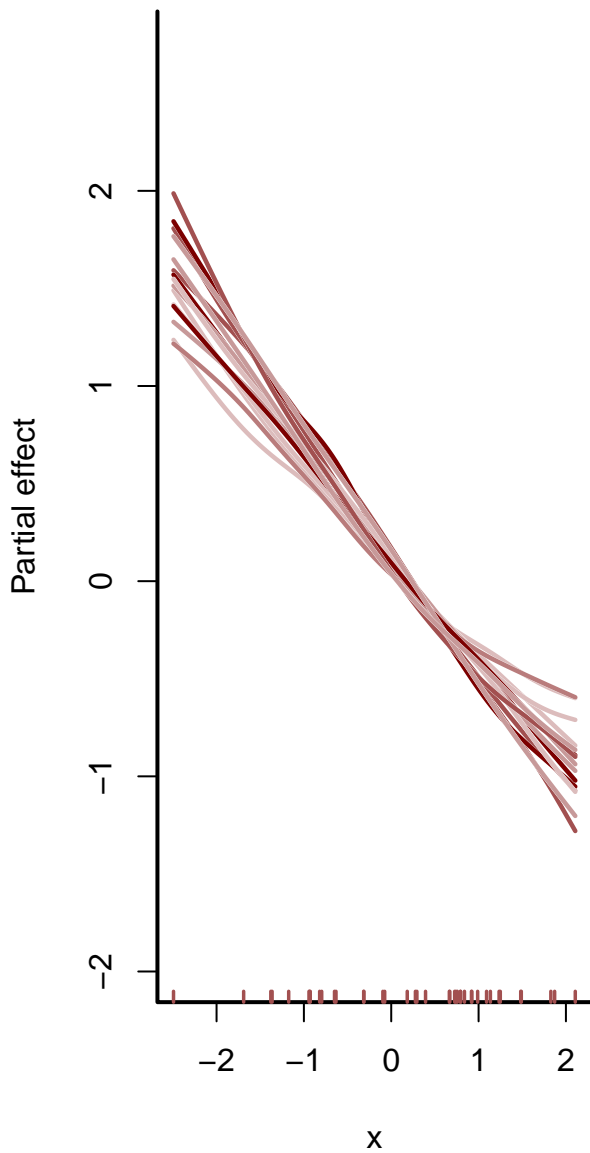
**s(x):trendtrend2**



**s(x):trendtrend1**

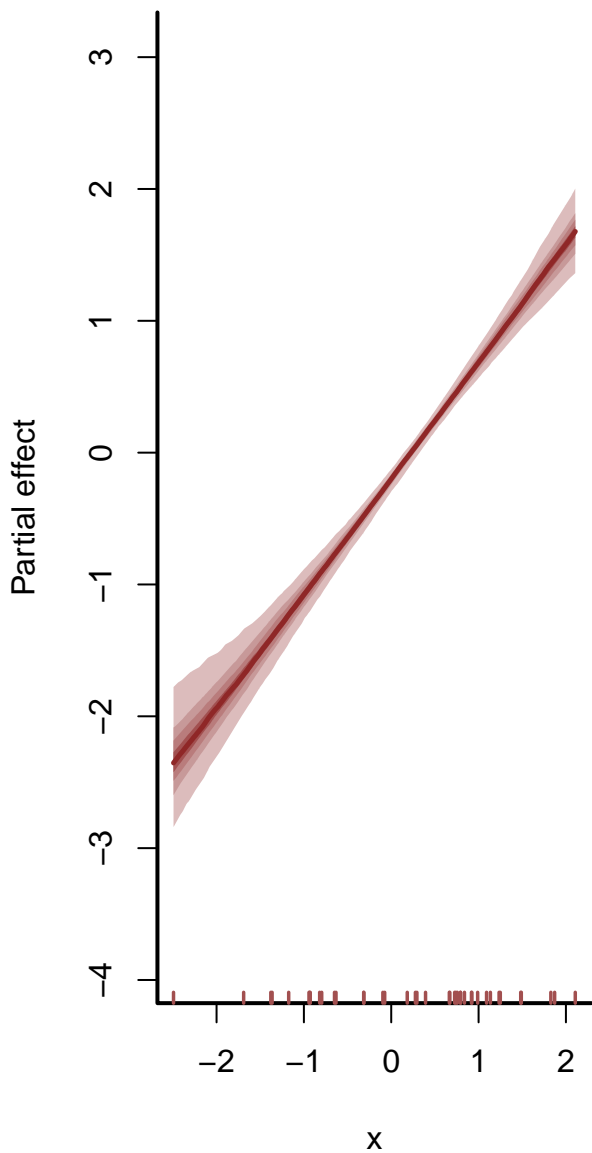


**s(x):trendtrend2**

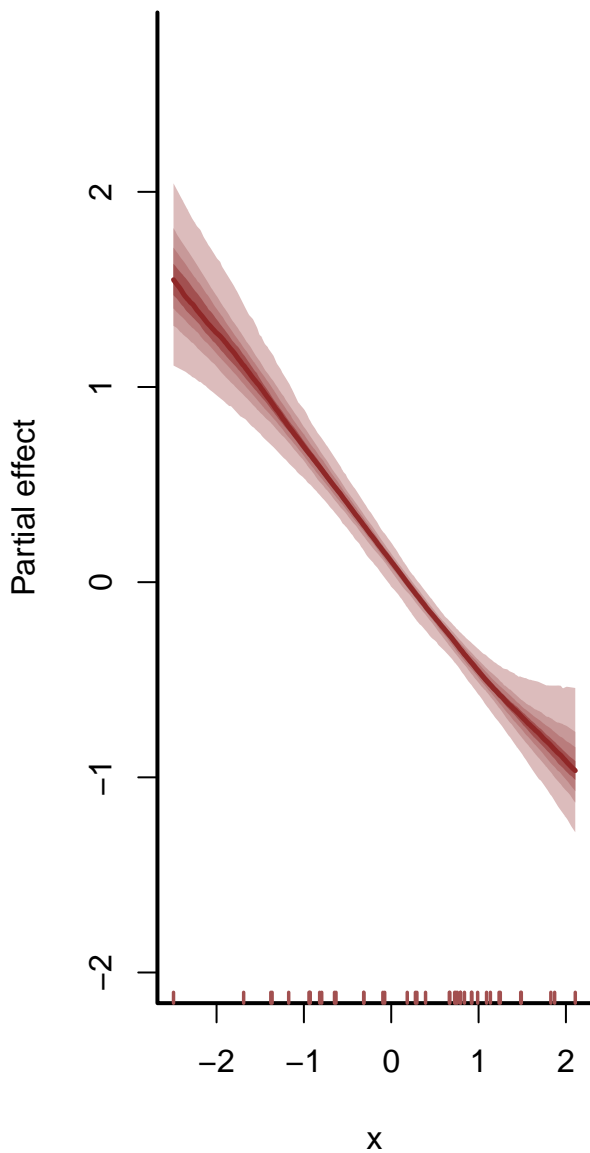




**s(x):trendtrend1**



**s(x):trendtrend2**

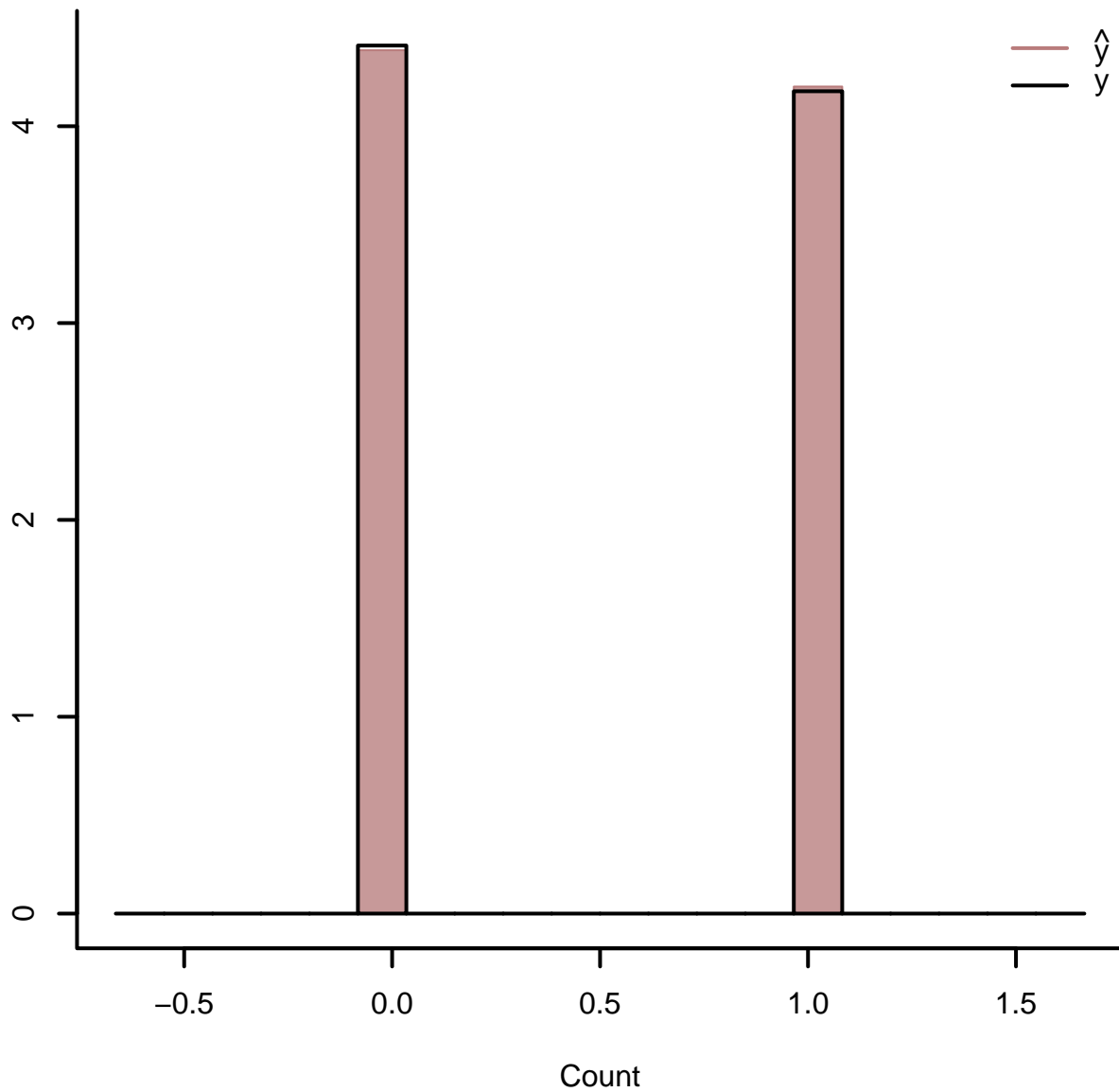


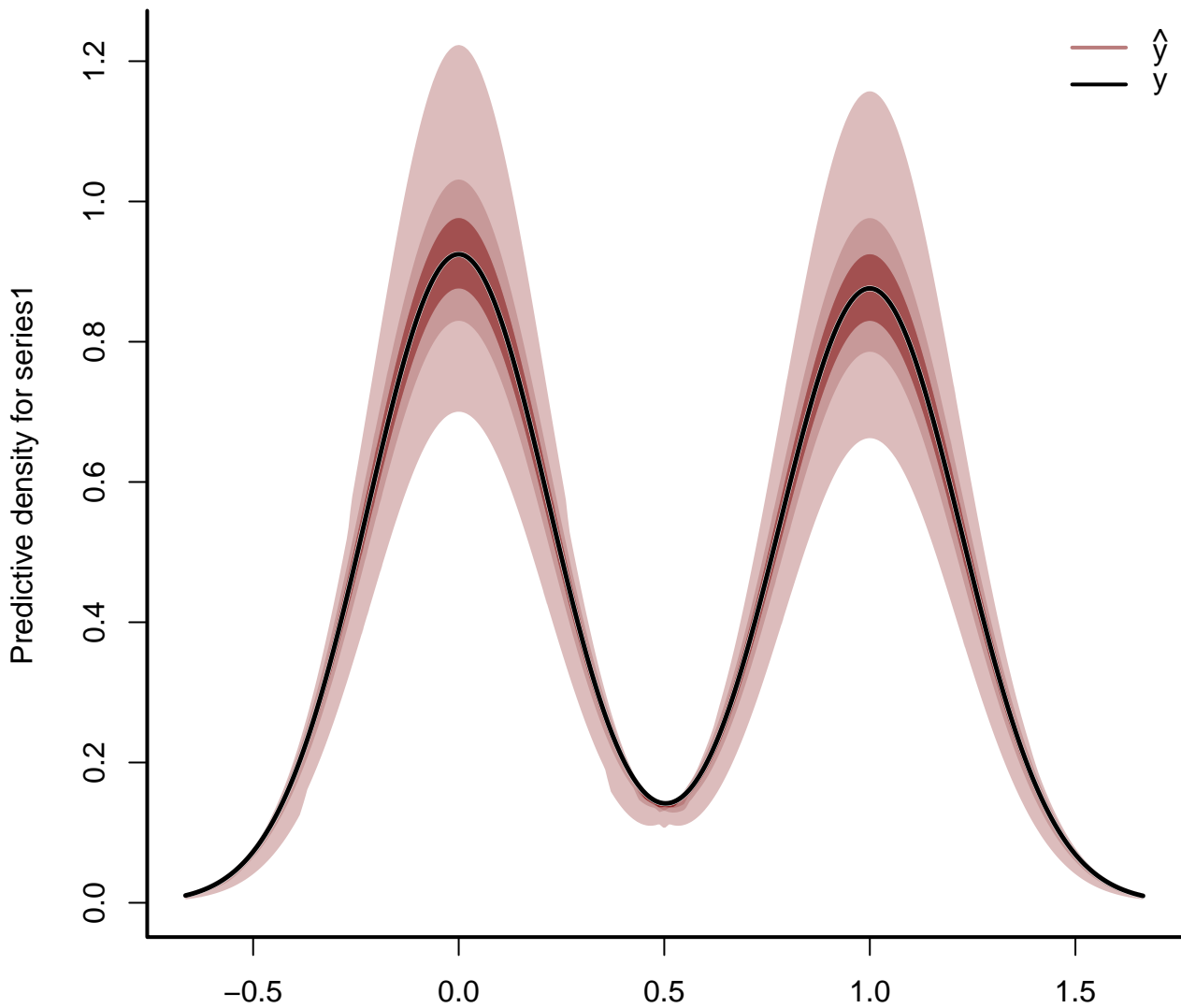
series

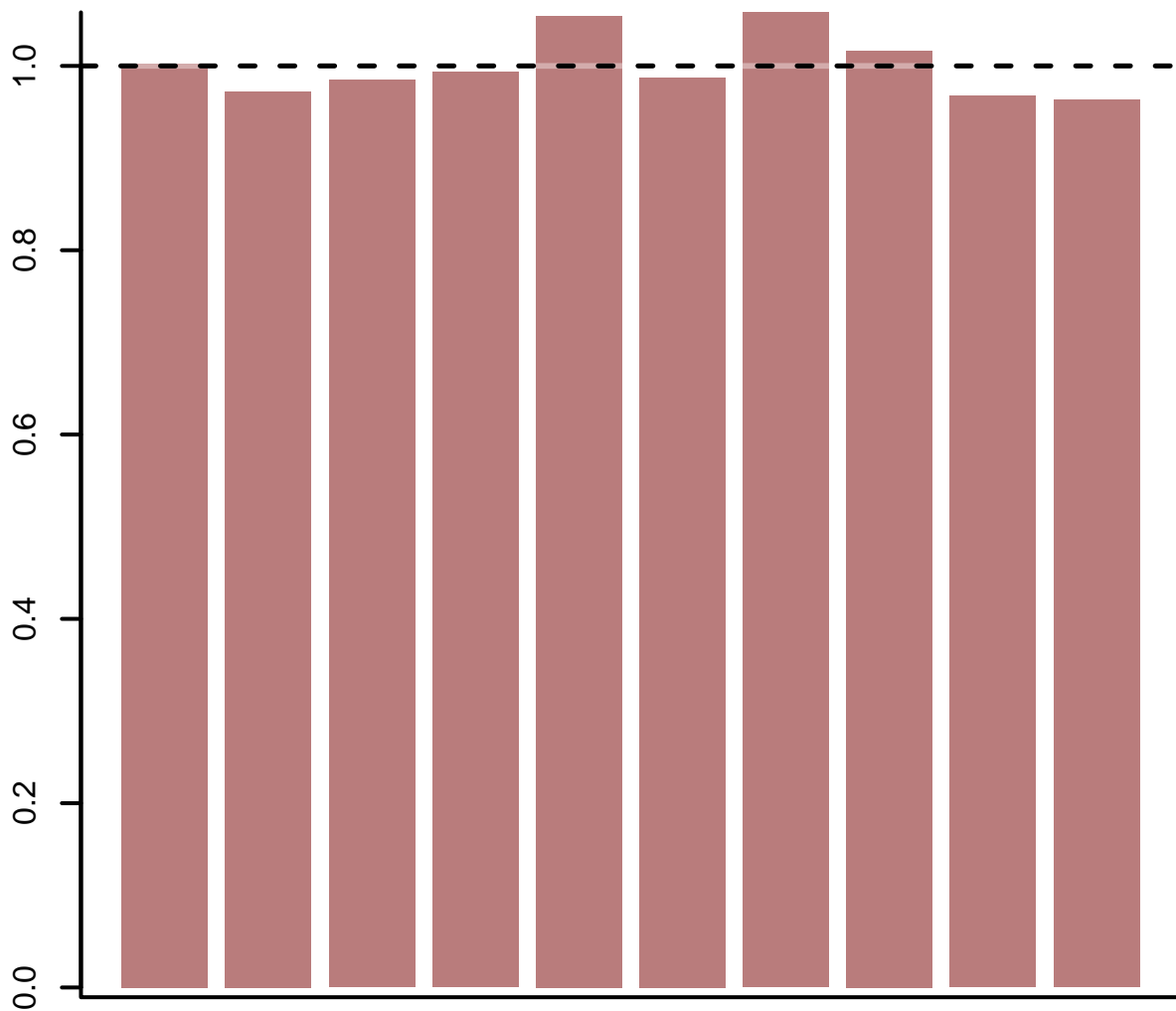
Partial effect

0.4  
0.3  
0.2  
0.1  
0.0  
-0.1  
-0.2  
-0.3



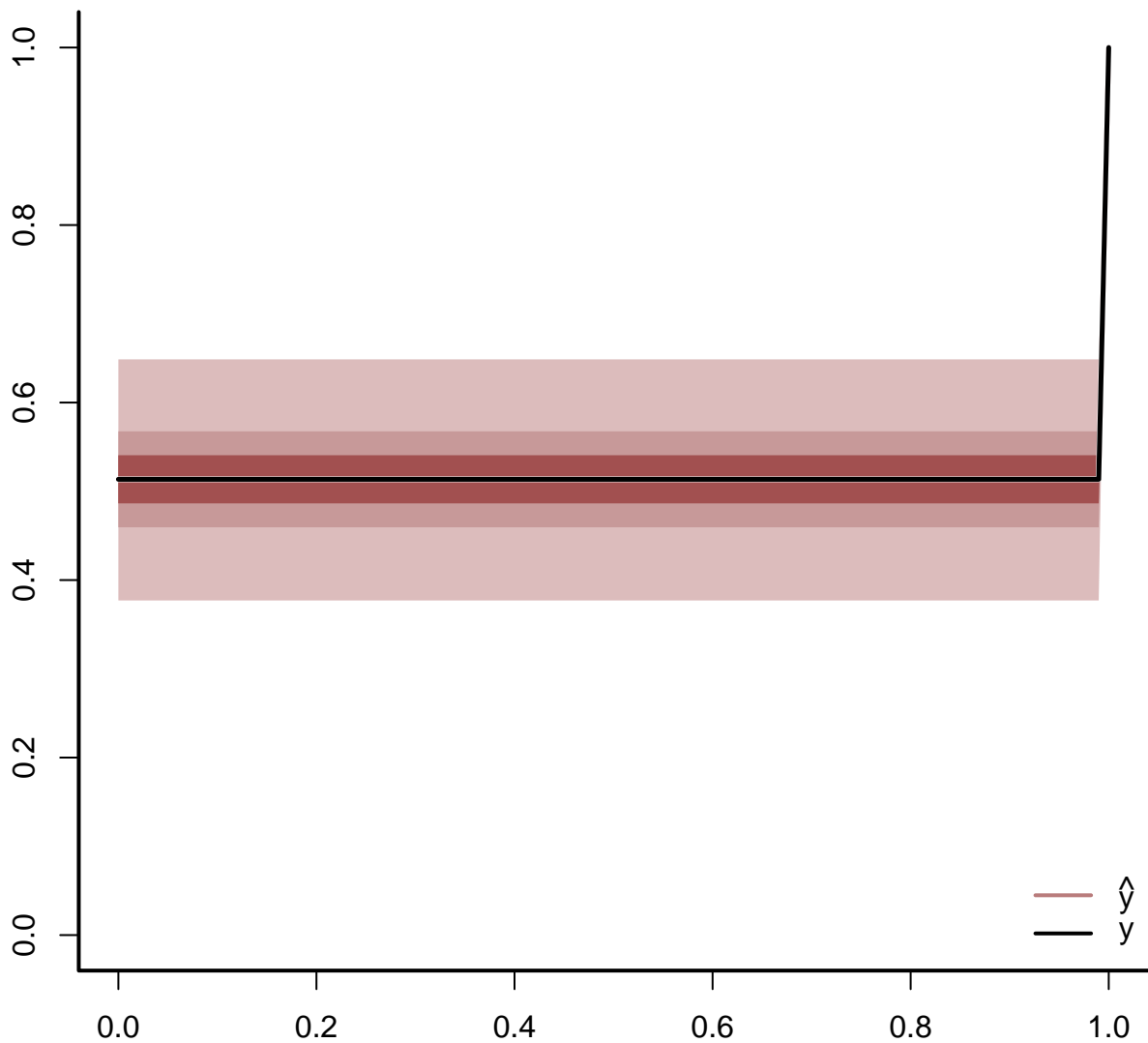




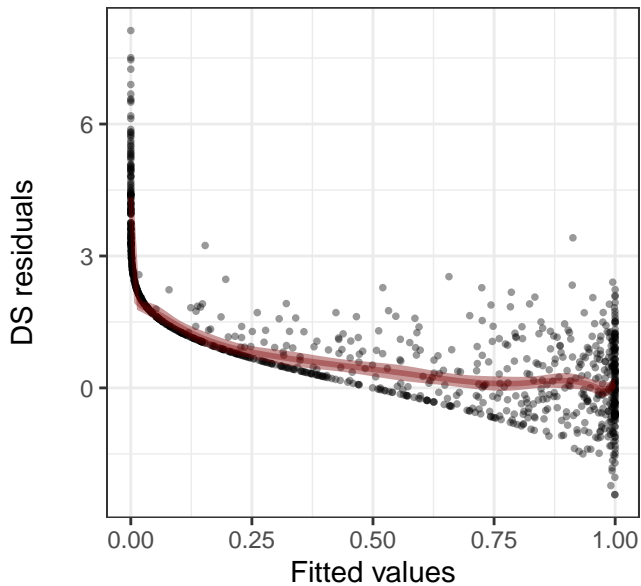


Predictive PIT for series1

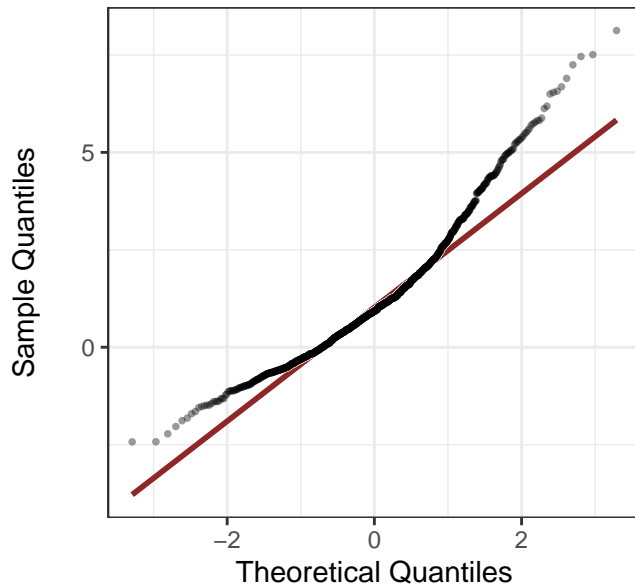
Predictive CDF for series1



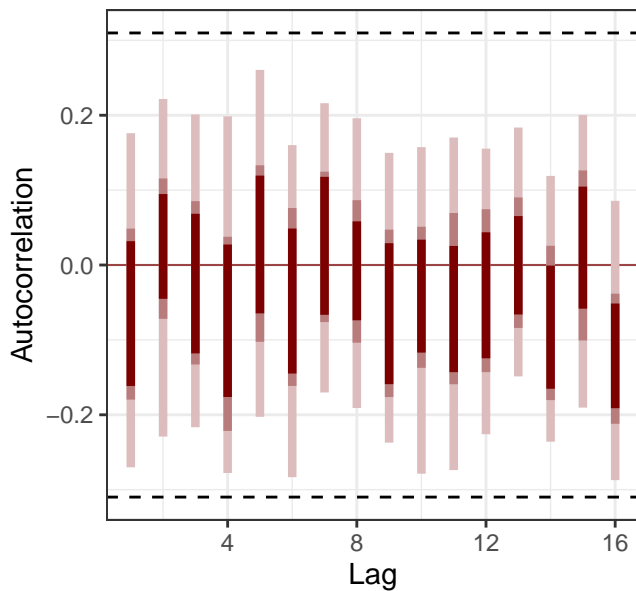
Resids vs Fitted



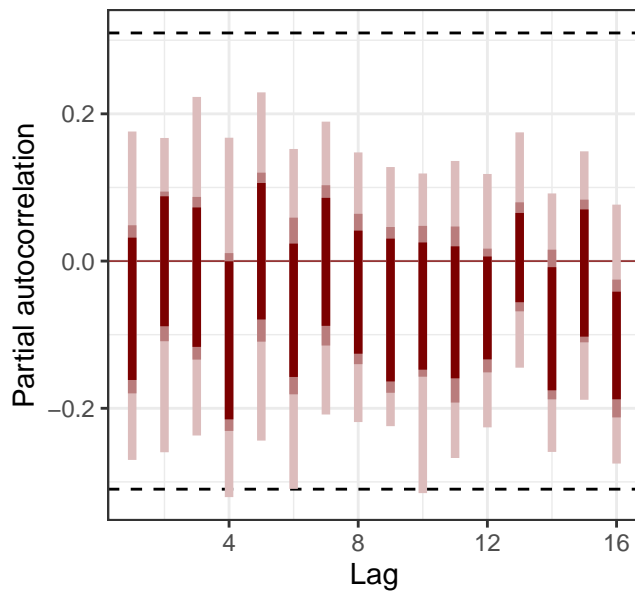
Normal Q-Q Plot

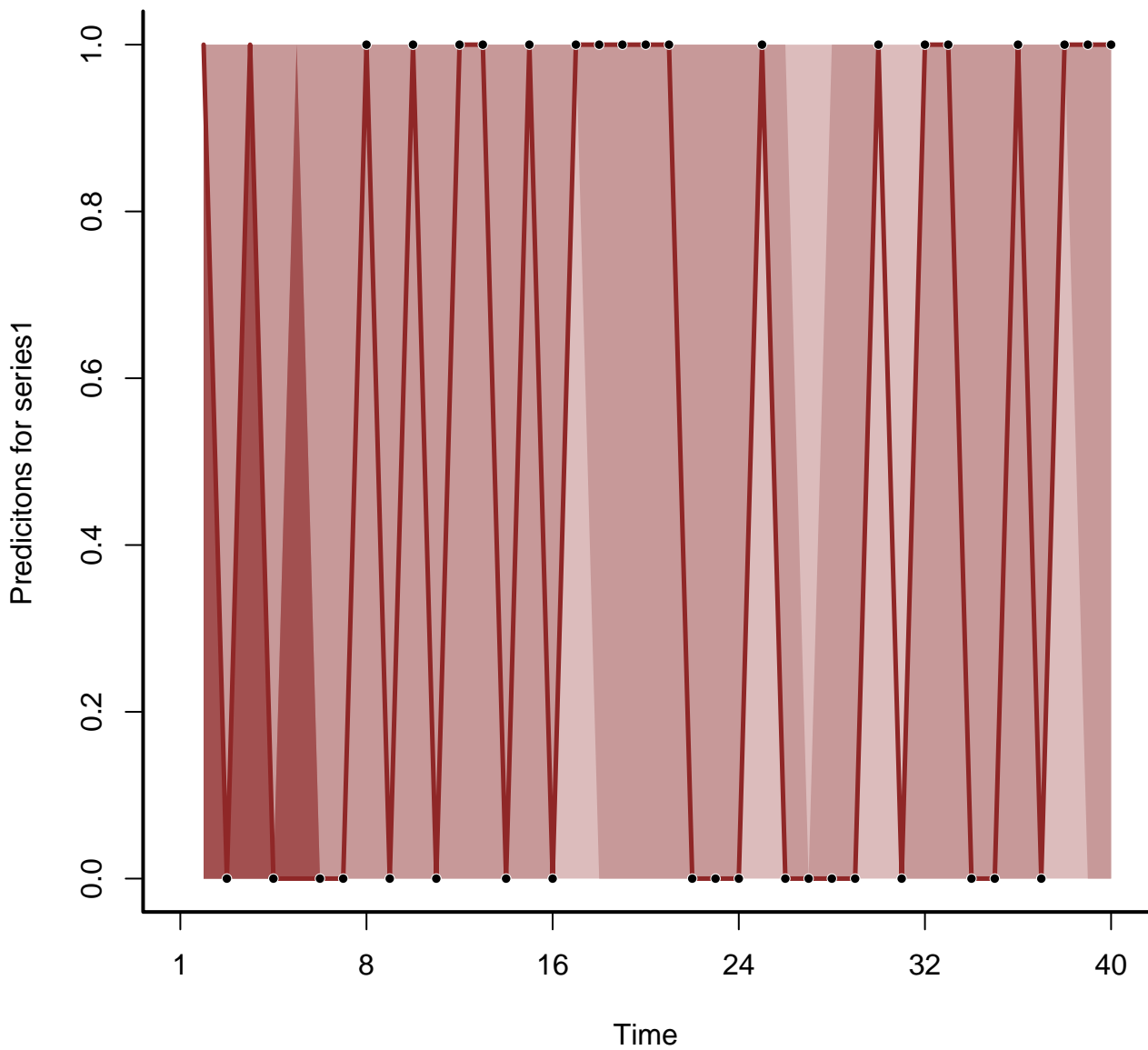


ACF



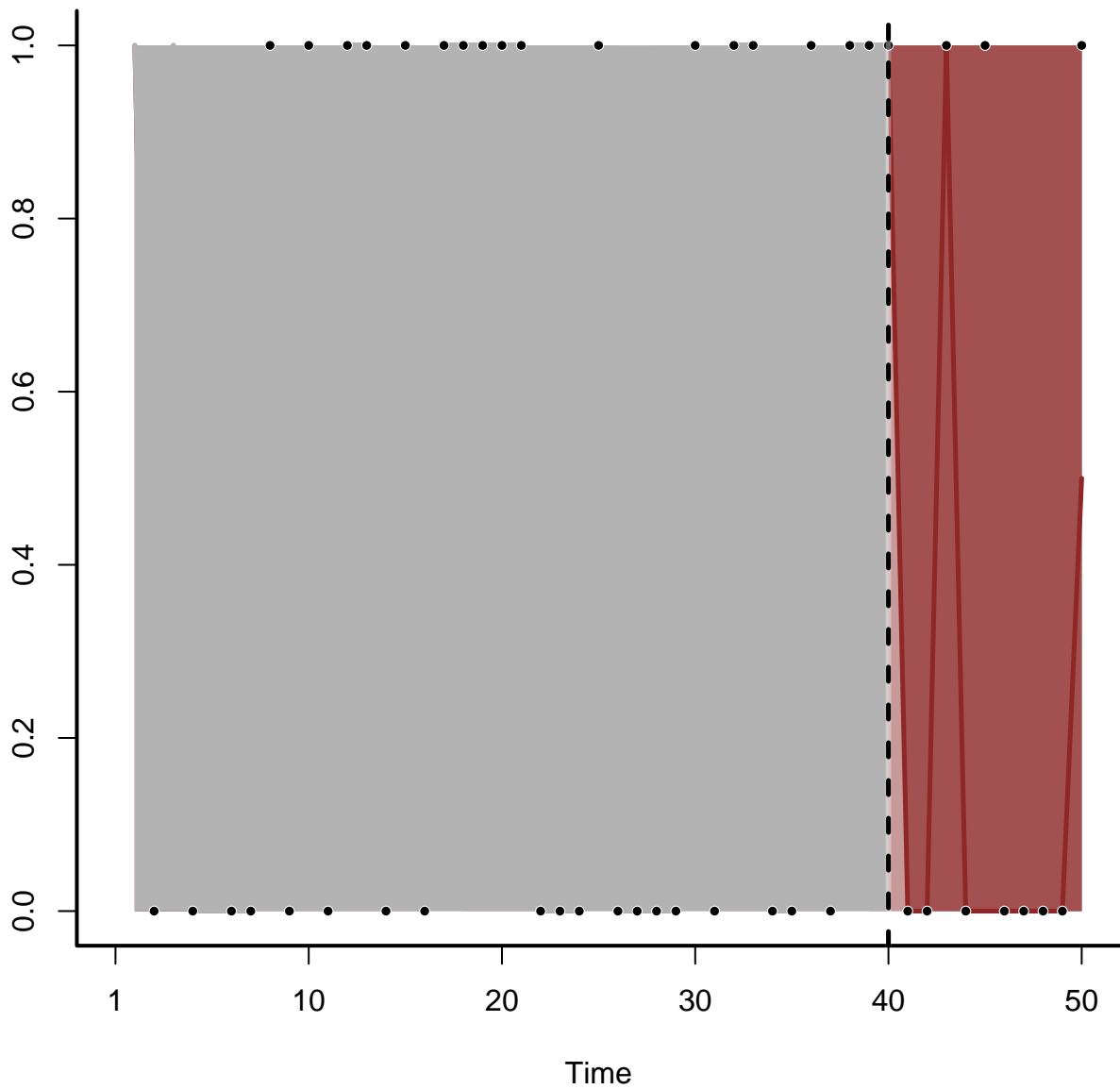
pACF

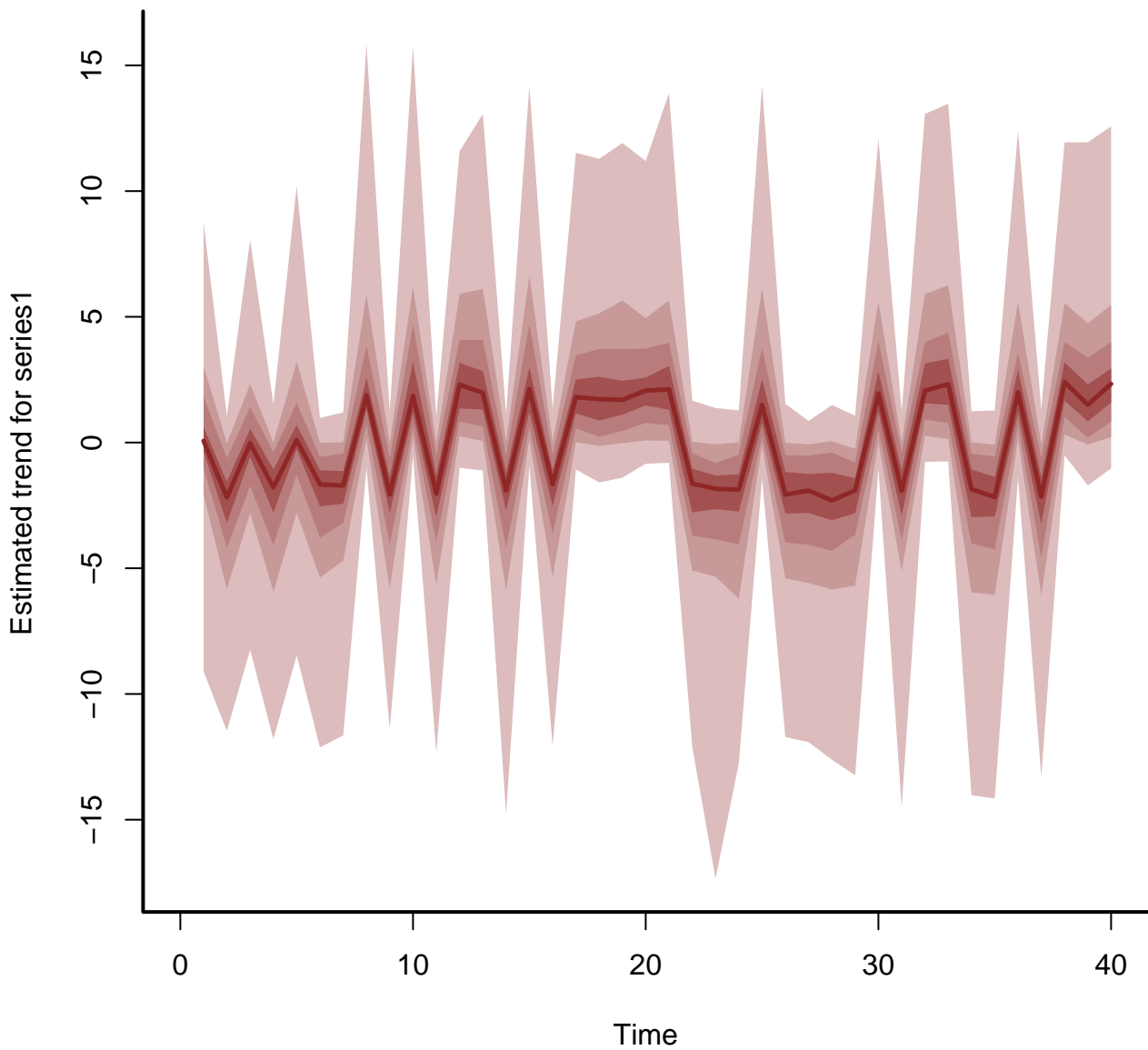


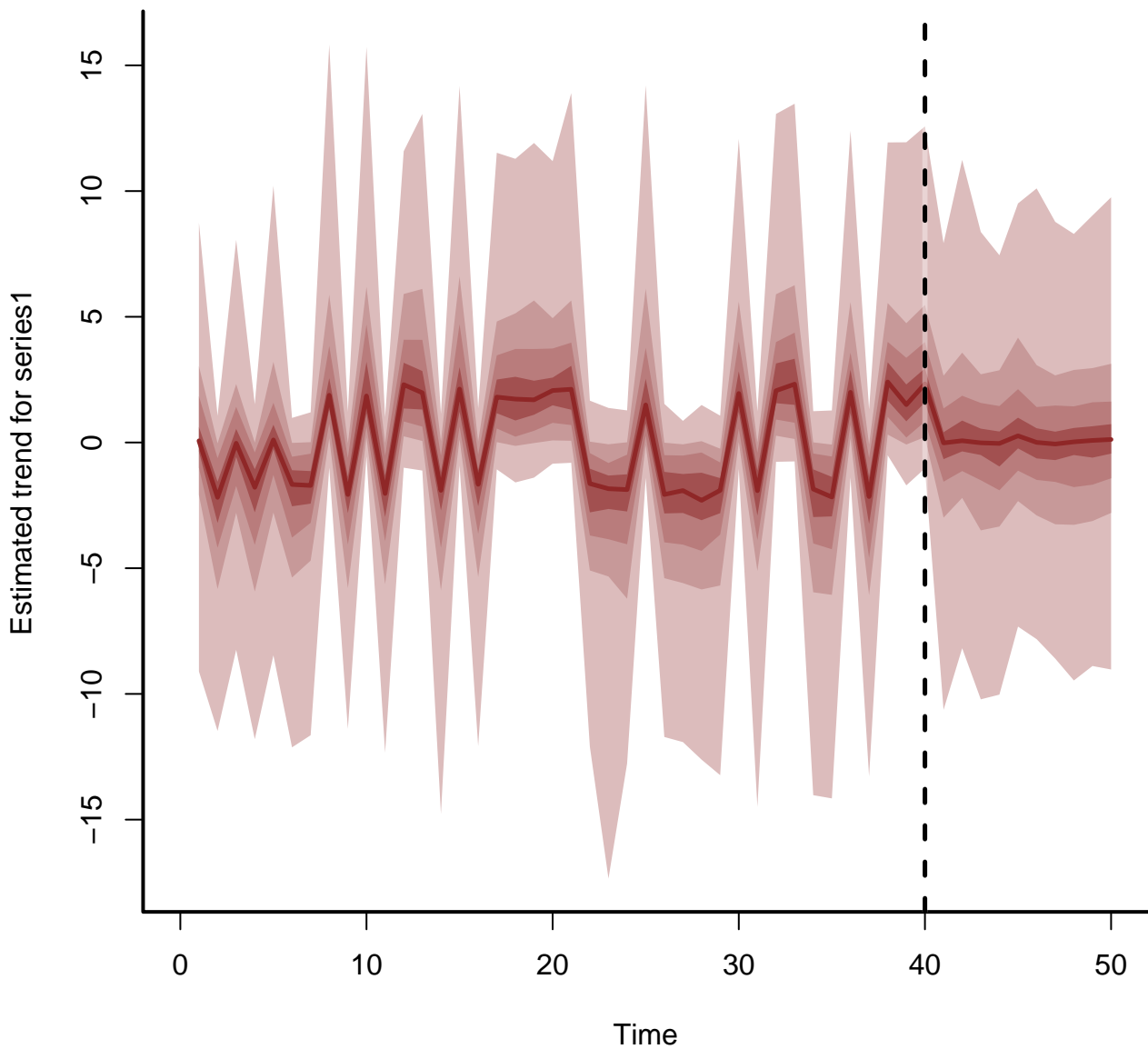




Predictions for series1

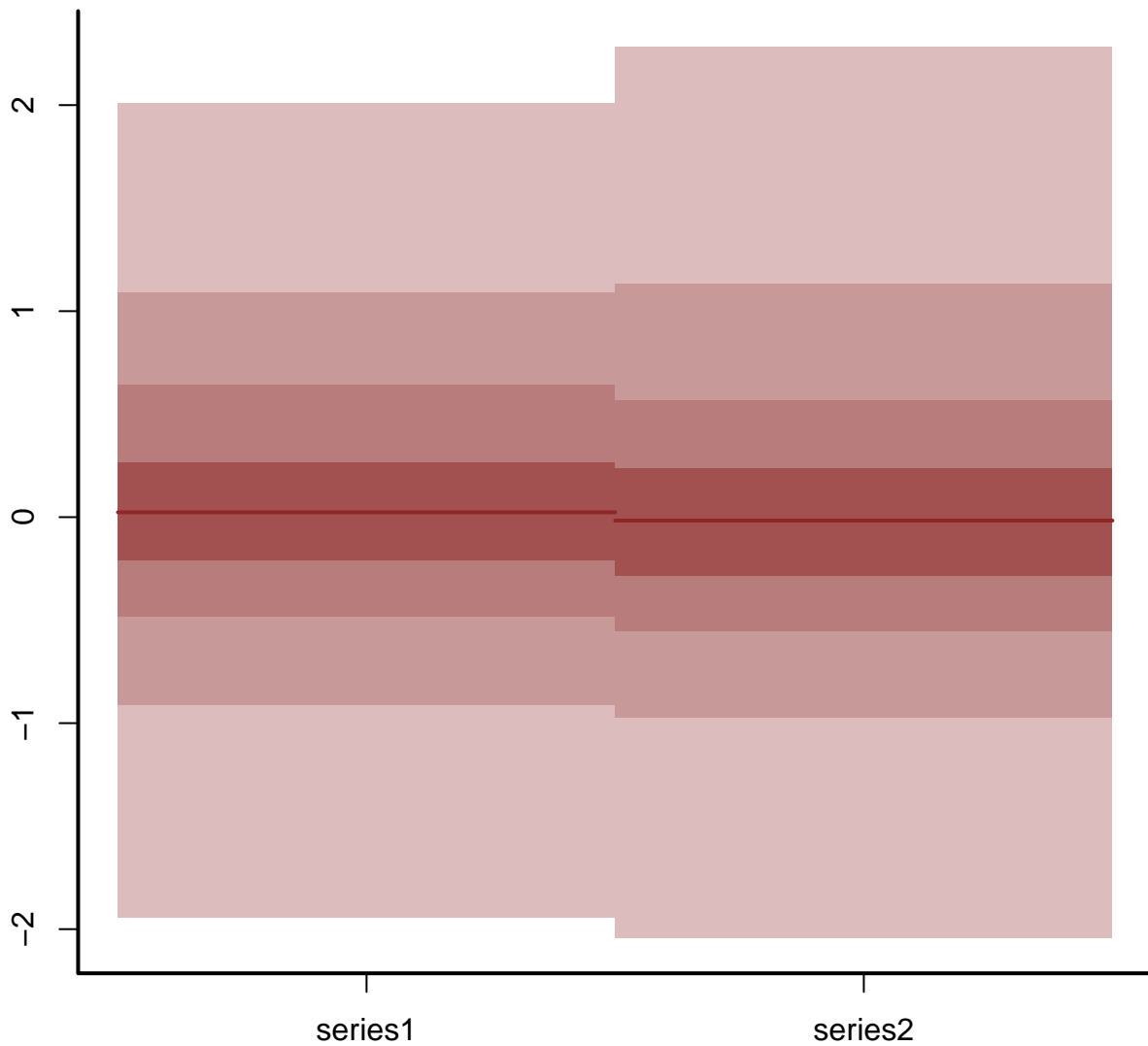




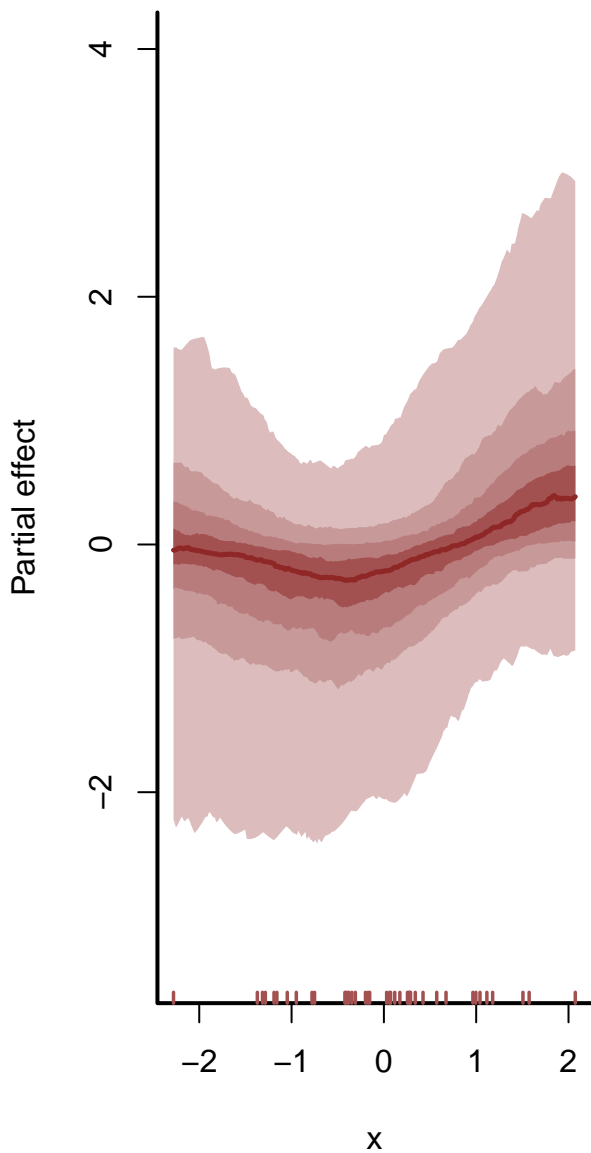


**s(series)**

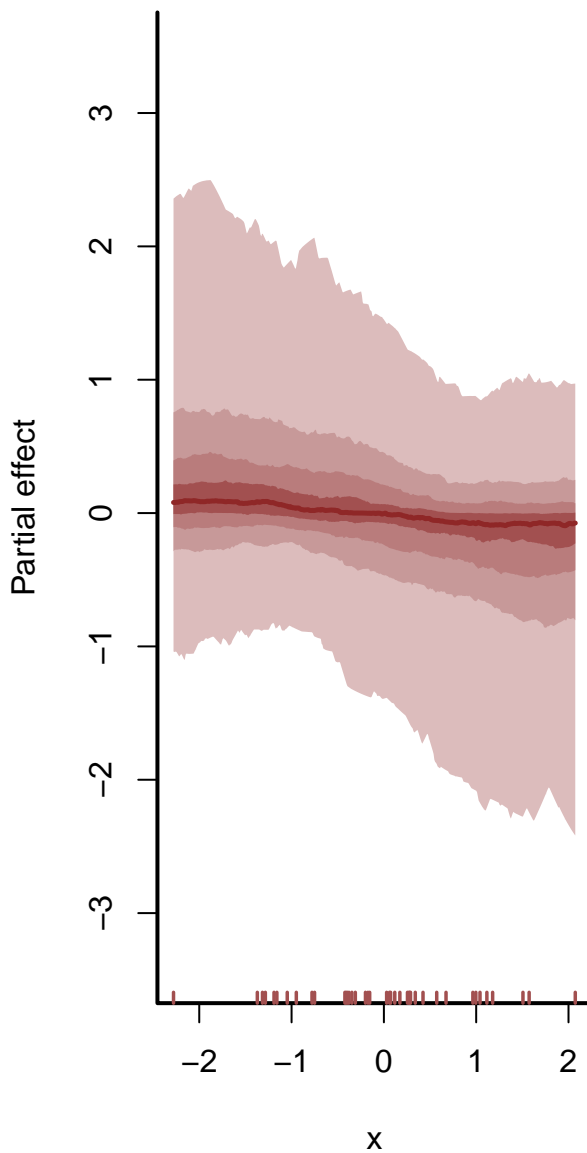
Partial effect



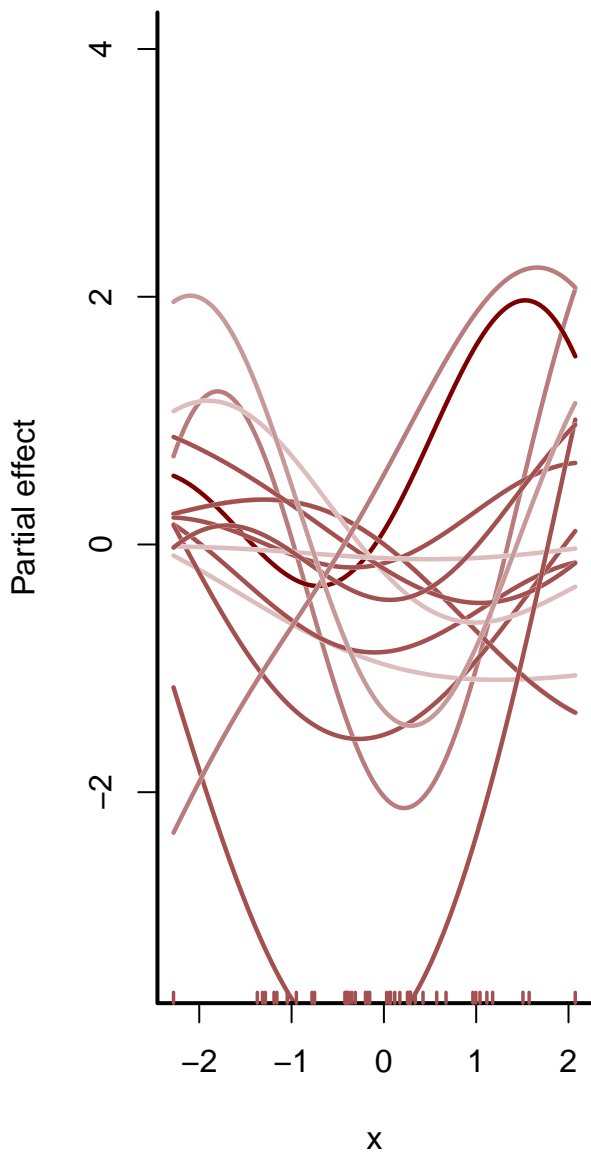
**gp(x):series1**



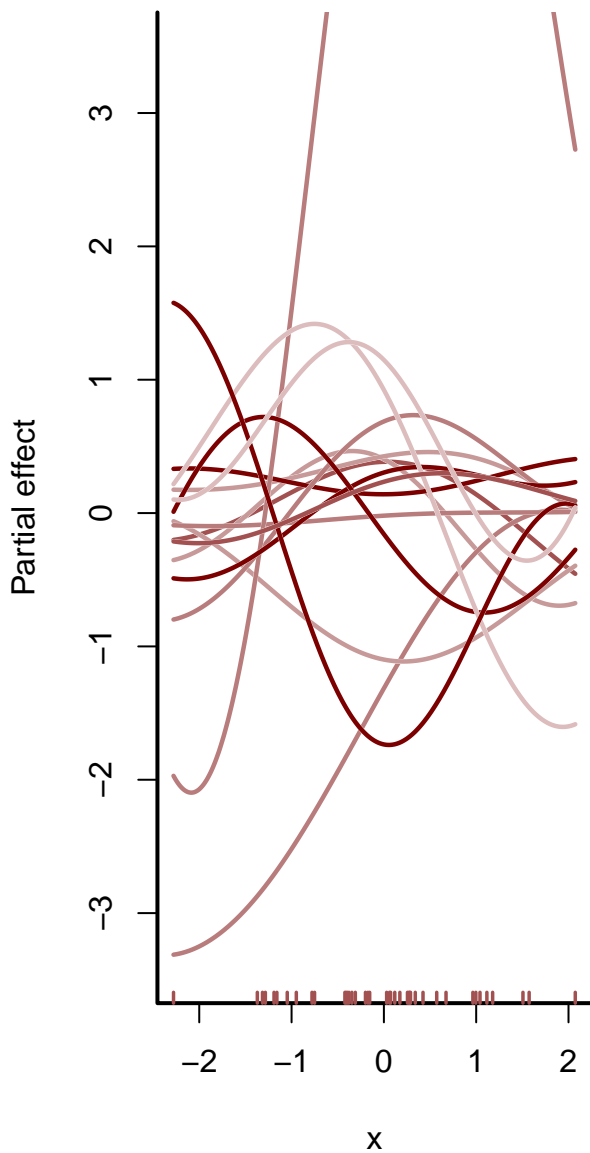
**gp(x):series2**



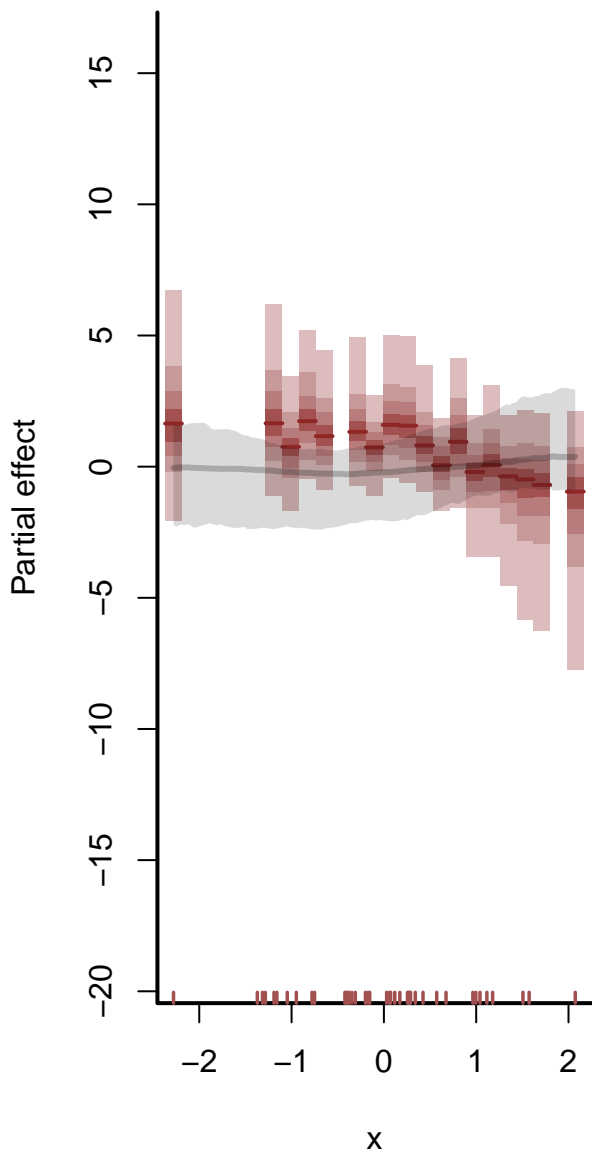
**gp(x):series1**



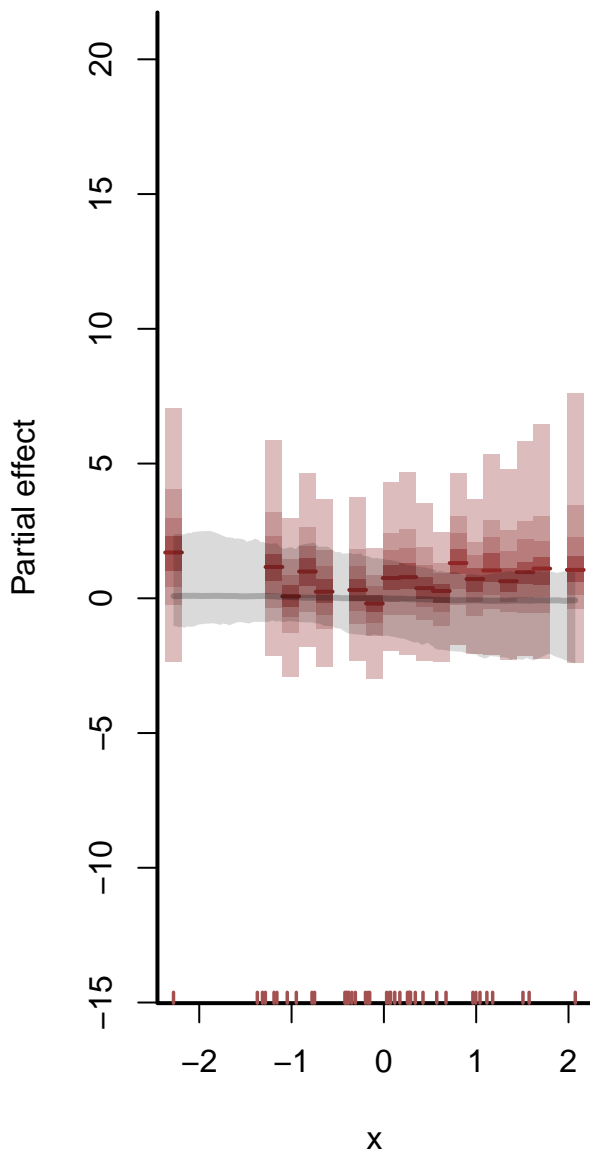
**gp(x):series2**

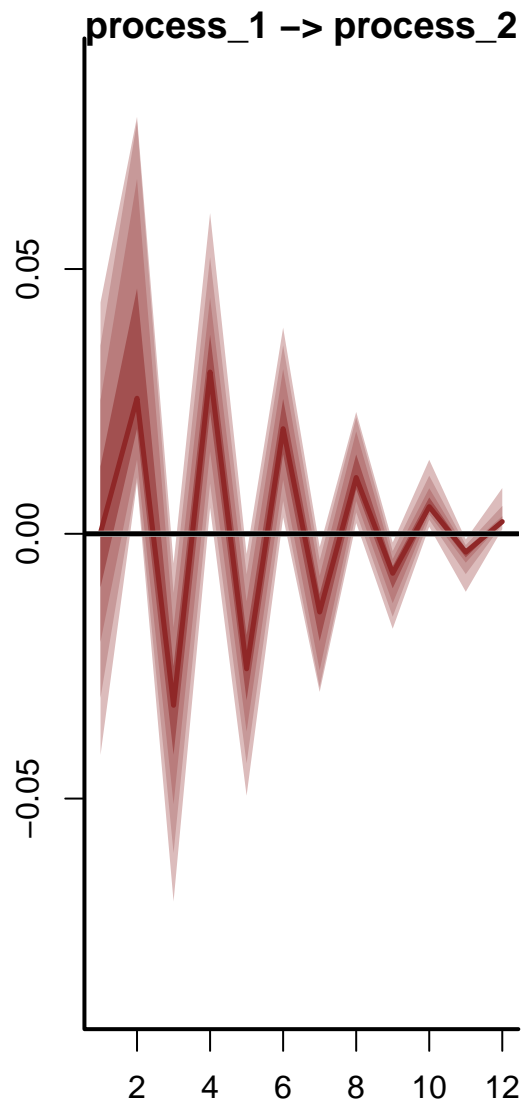
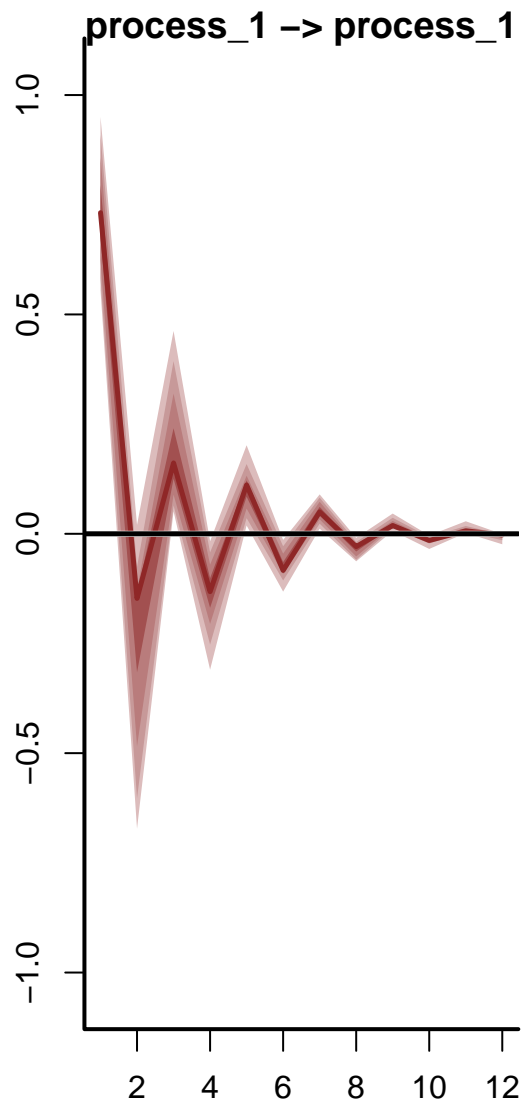


gp(x):series1

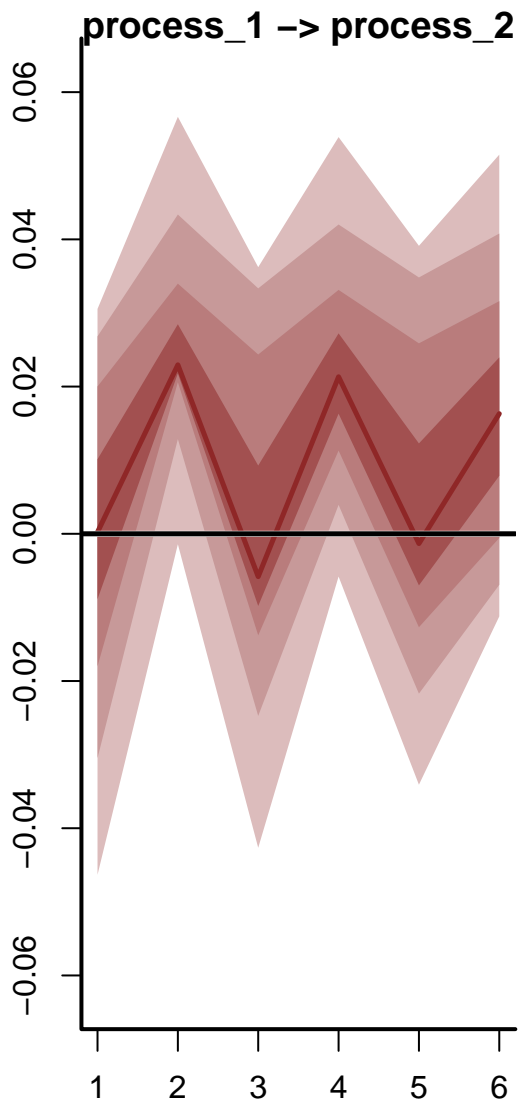
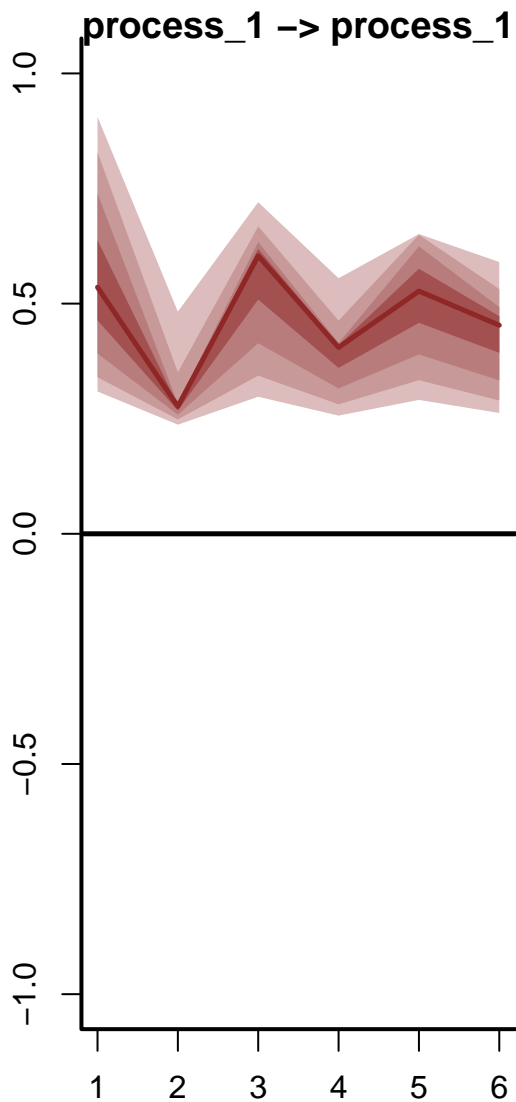


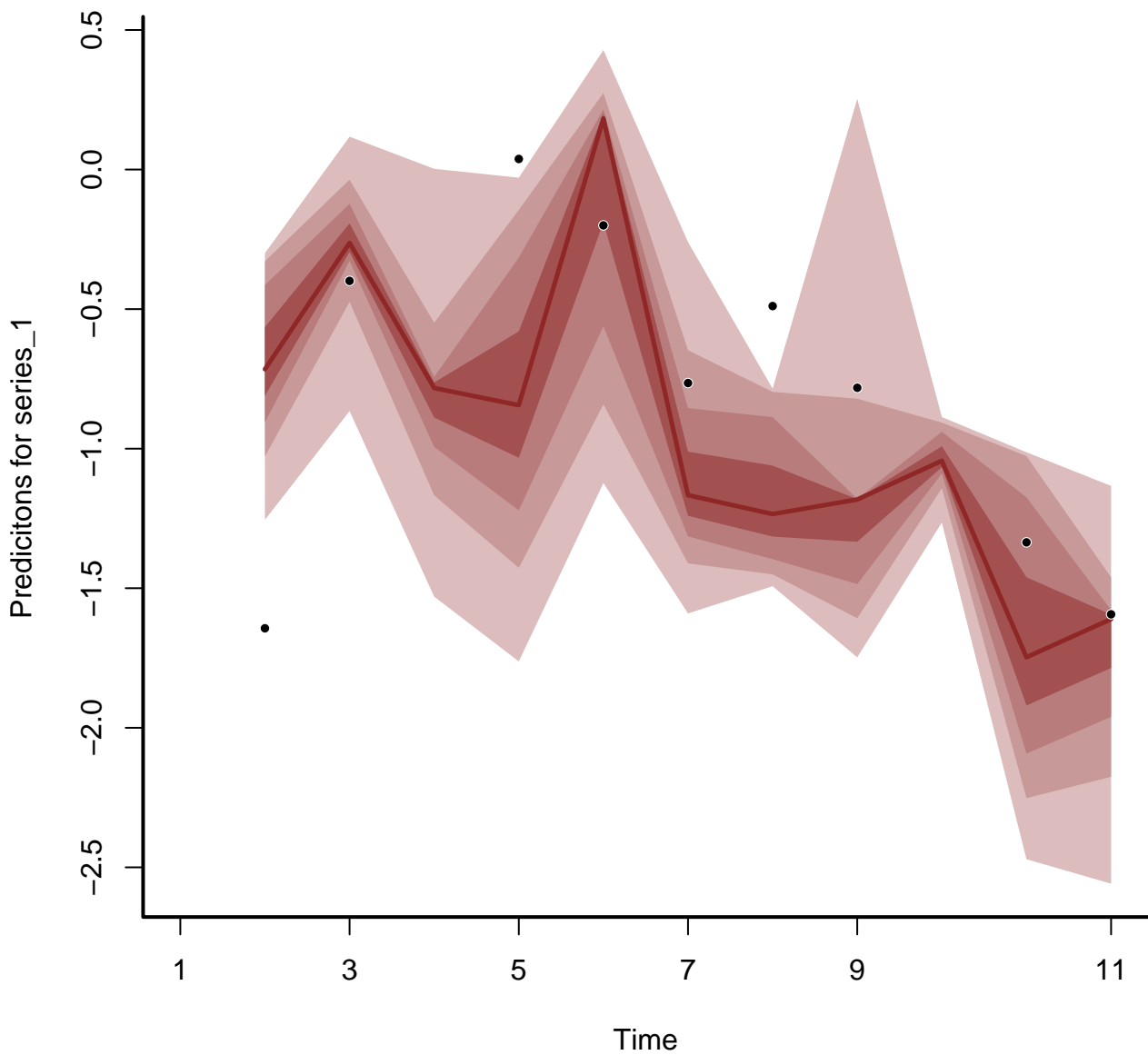
gp(x):series2

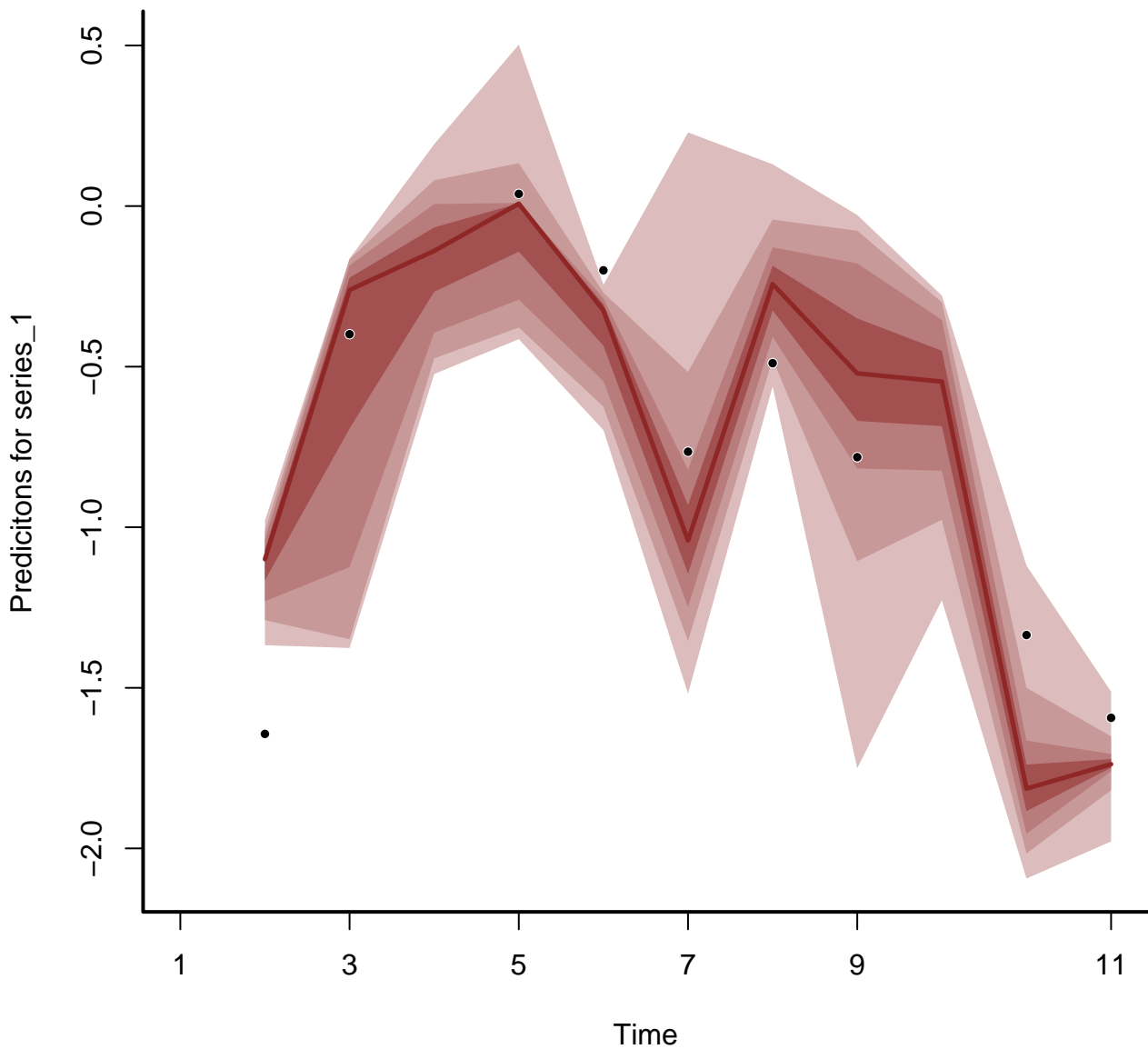


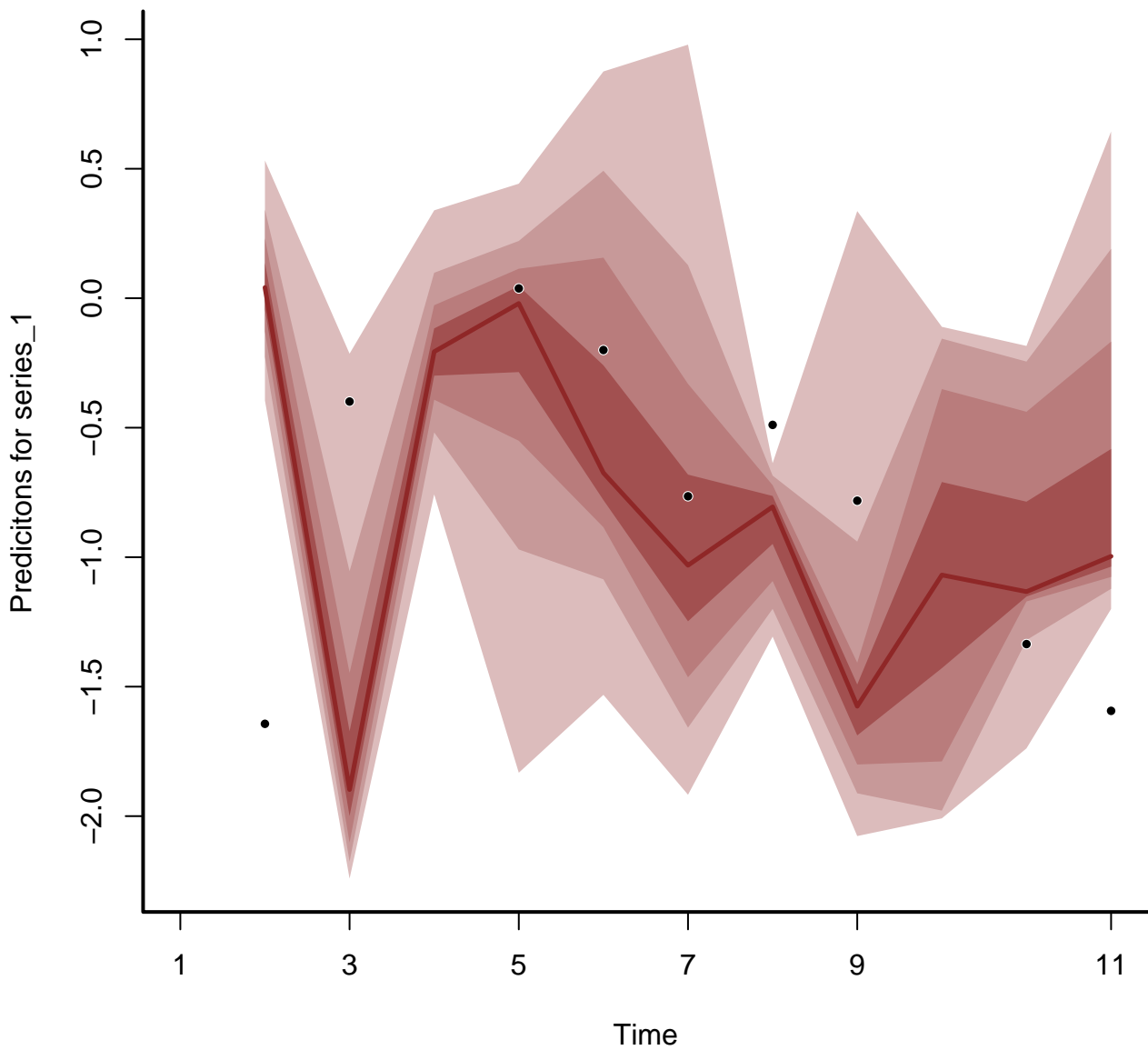




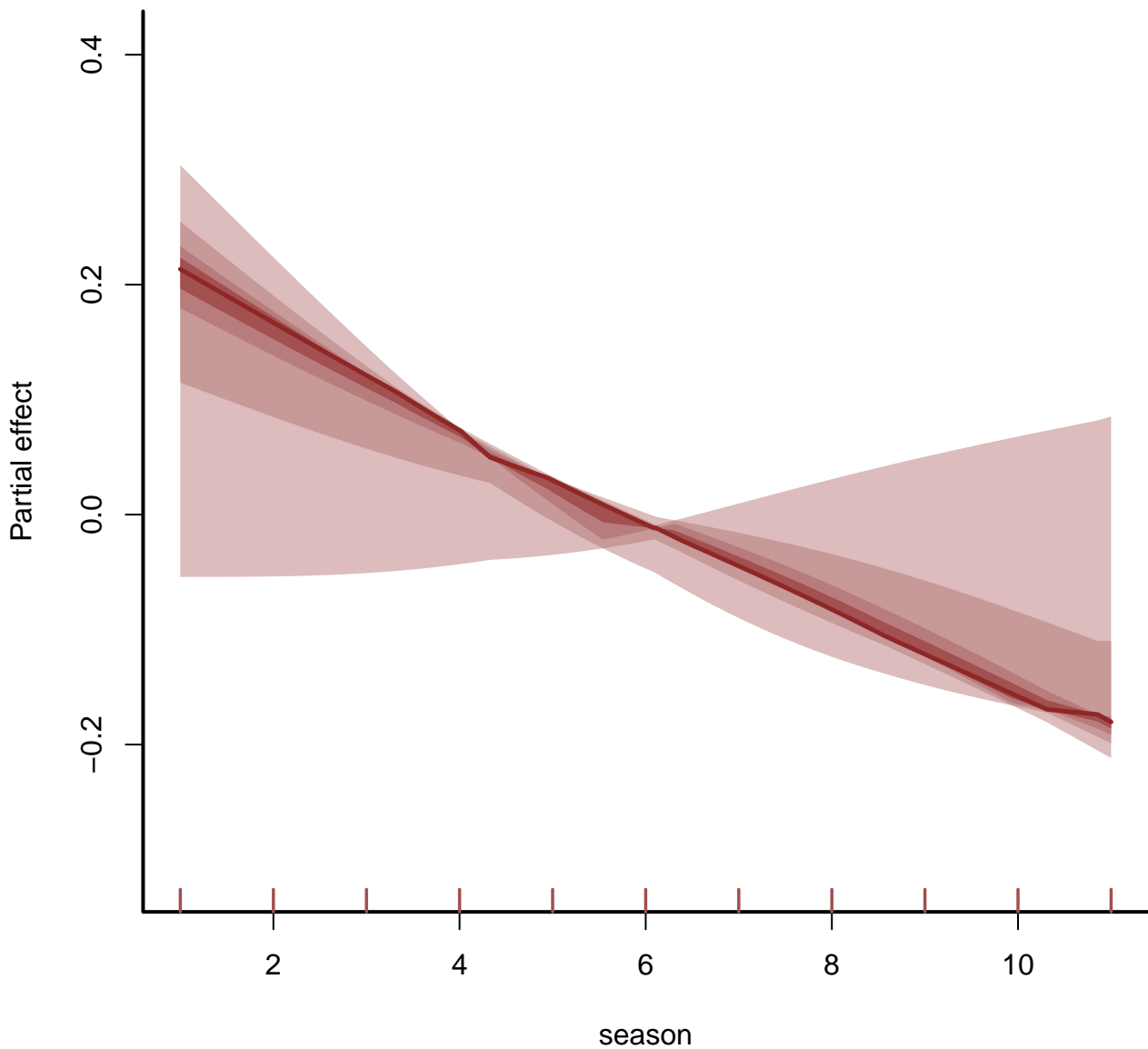




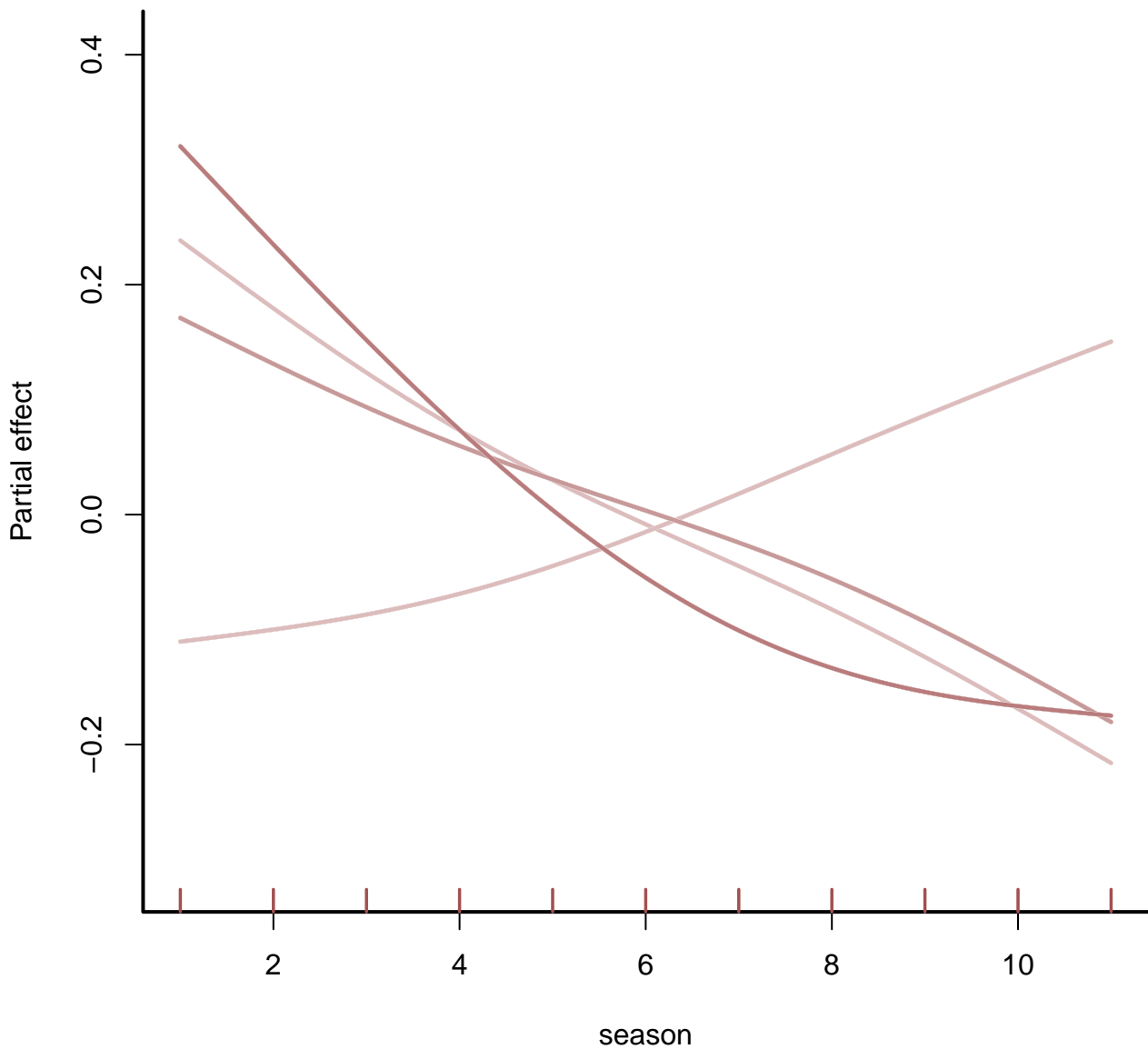




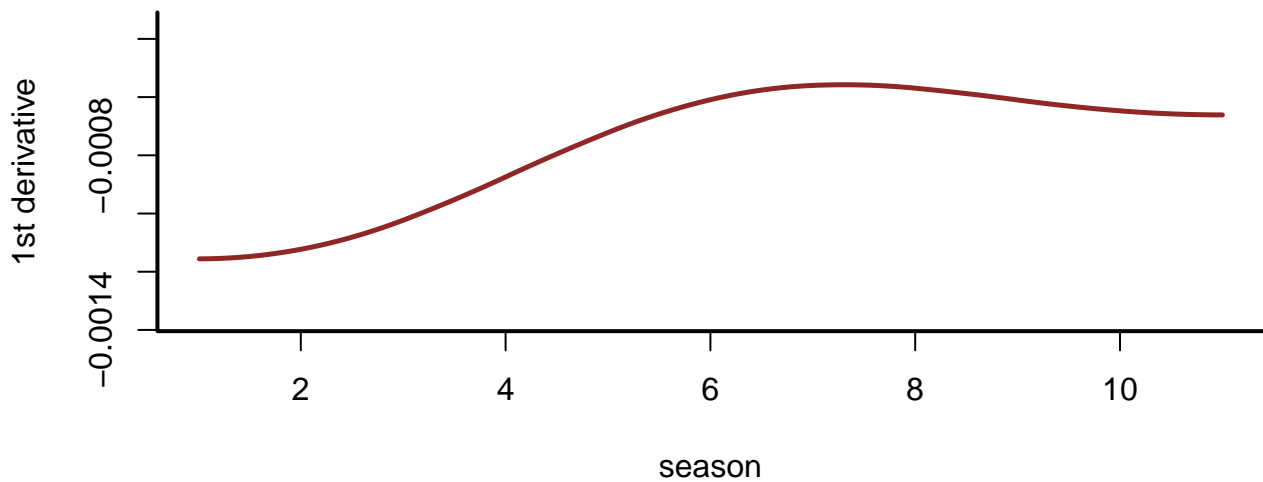
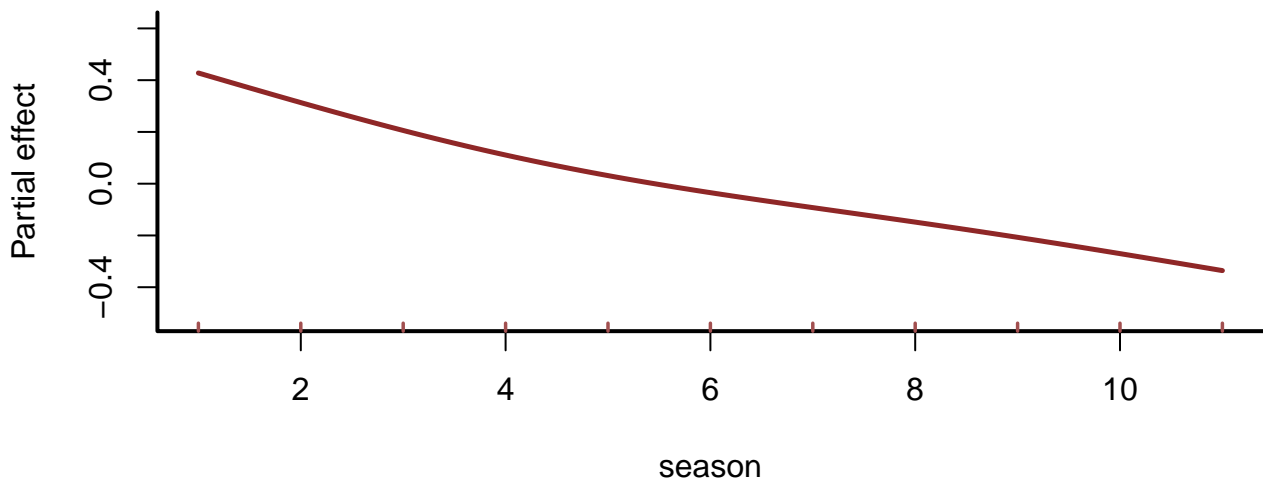
**s(season)**



**s(season)**

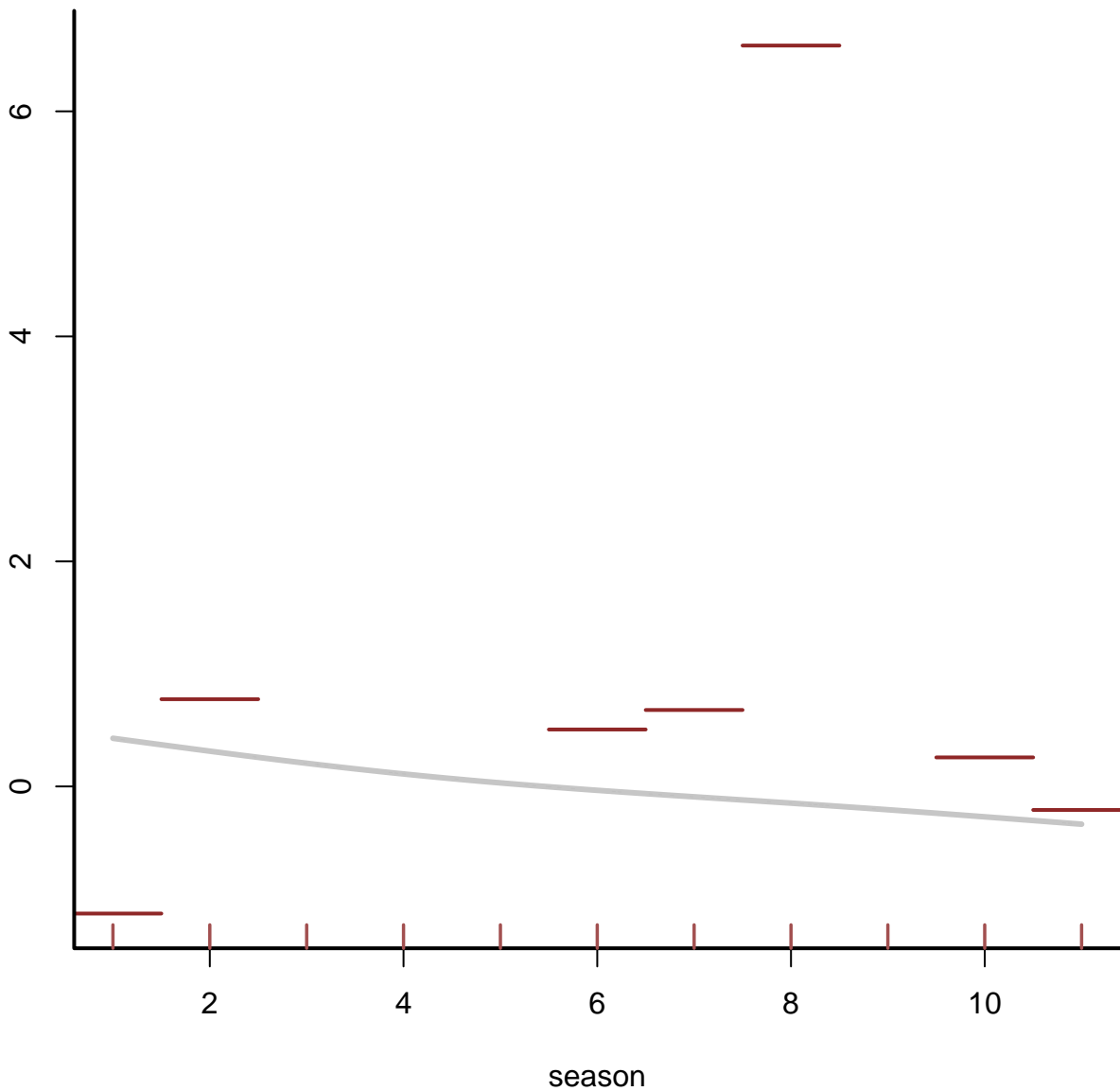


**s(season)**



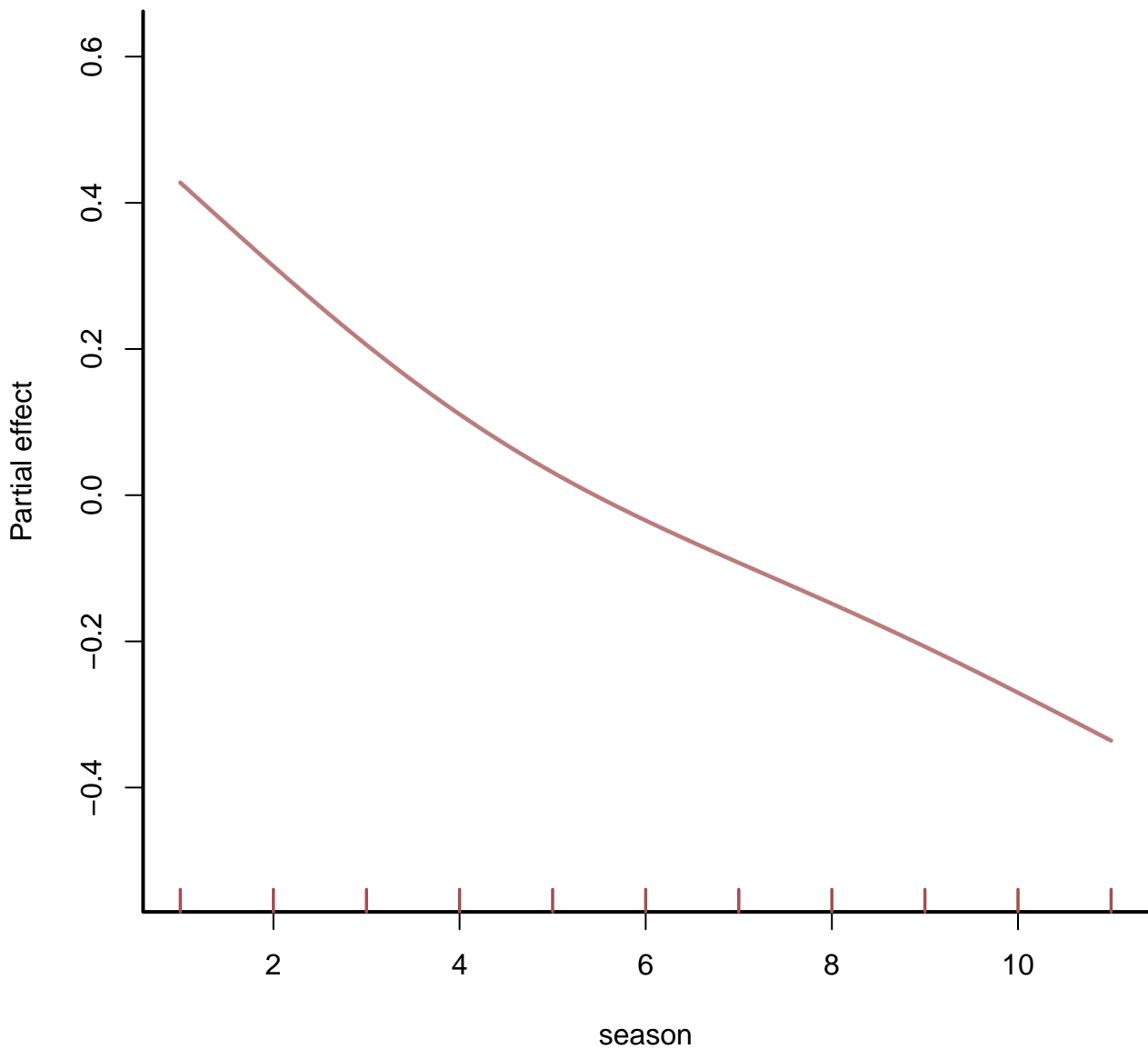
**s(season)**

Partial effect

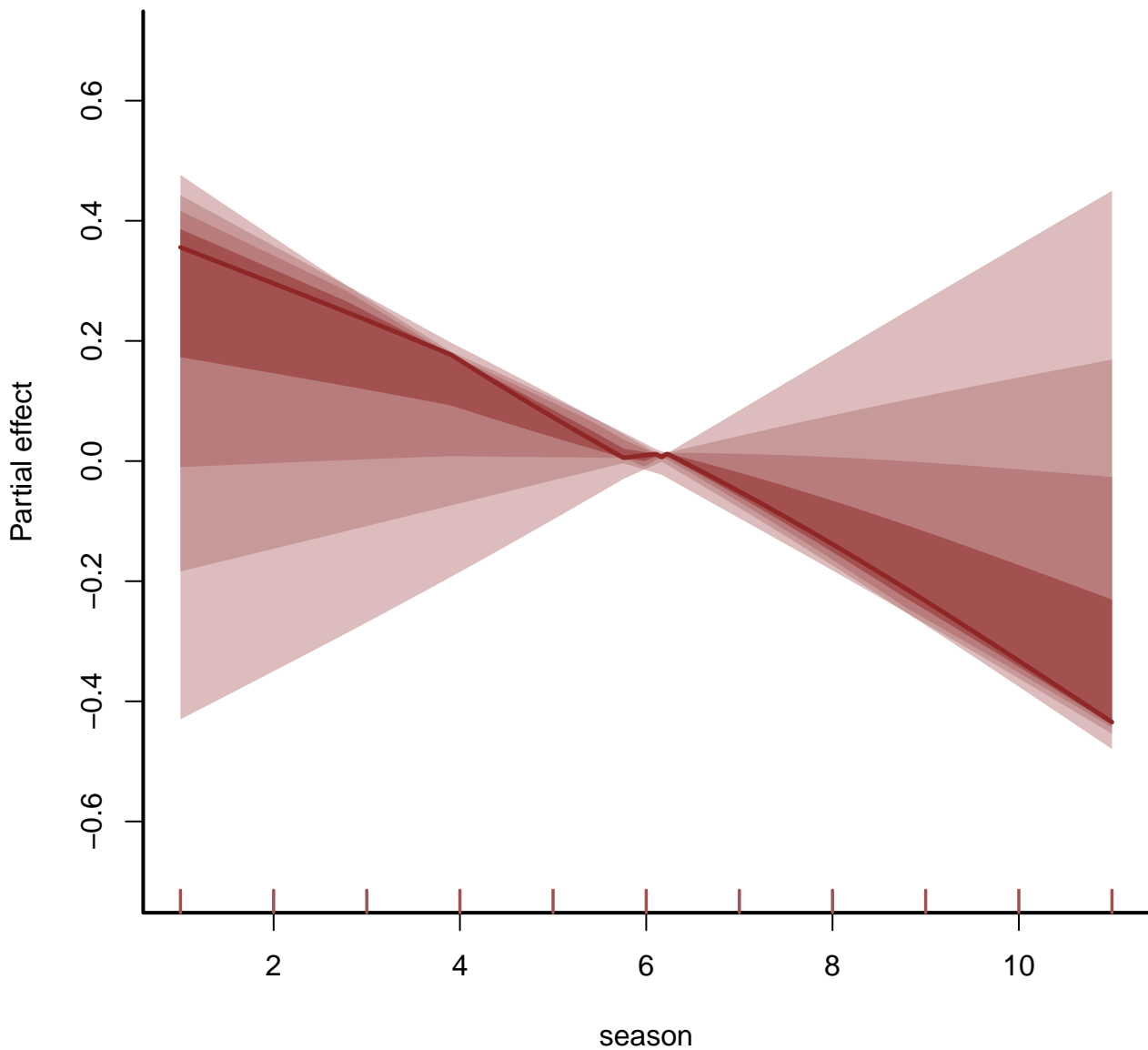




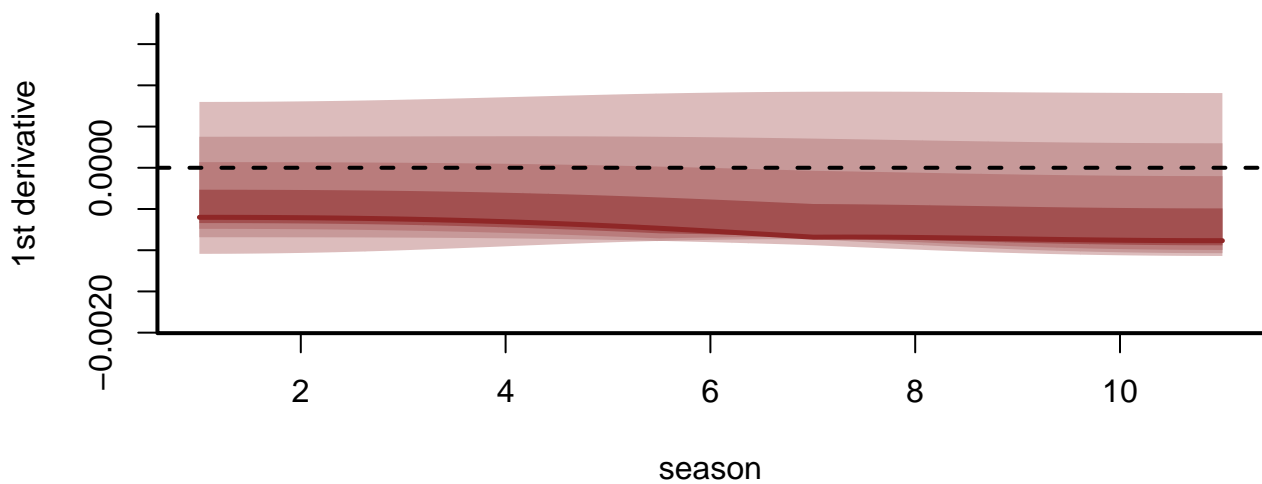
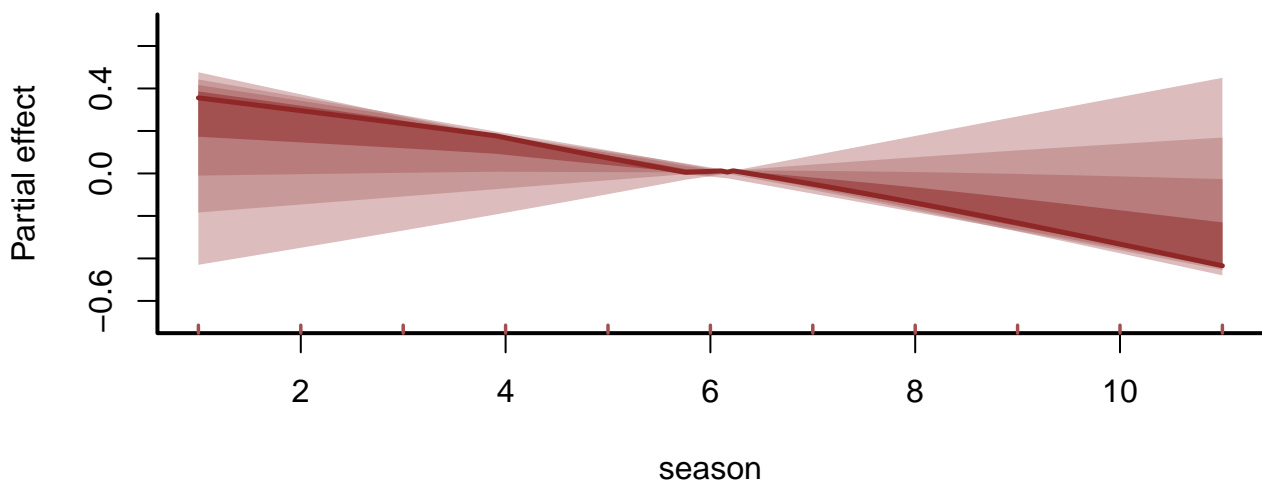
**s(season)**



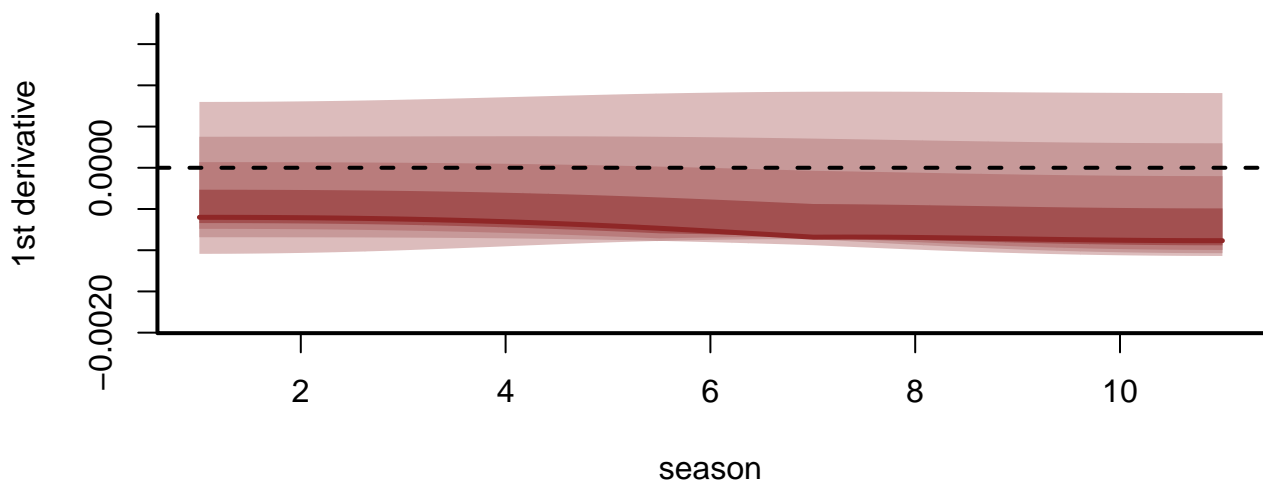
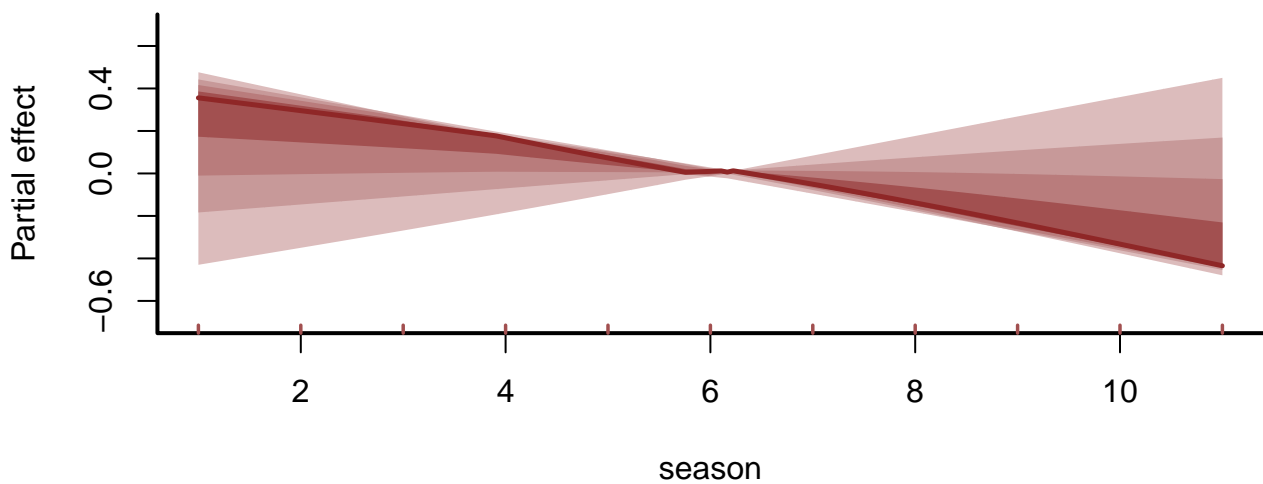
**s(season)**



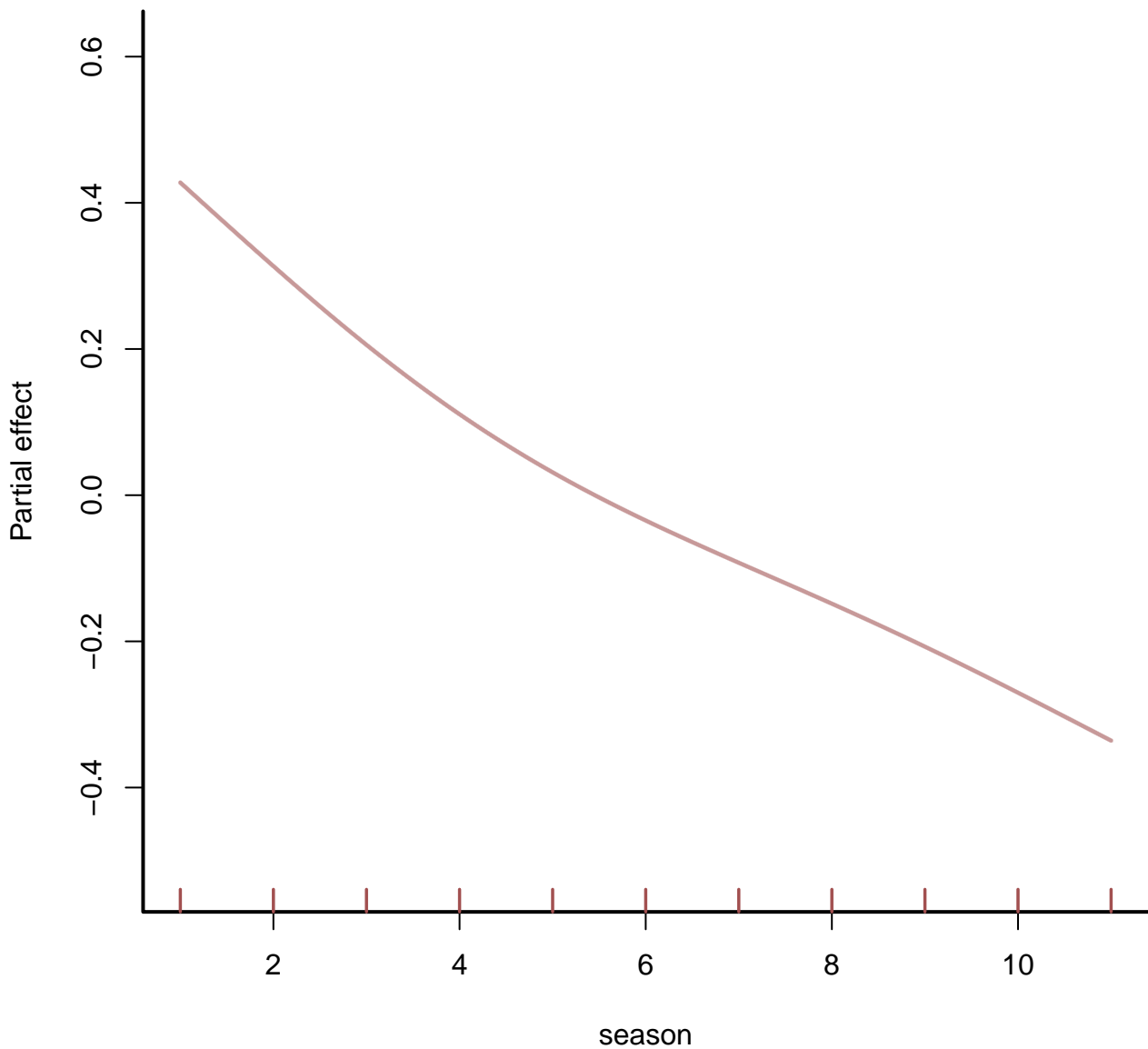
**s(season)**



**s(season)**



**s(season)**



**s(season)**

Partial effect

0.5

0.0

-0.5

2

4

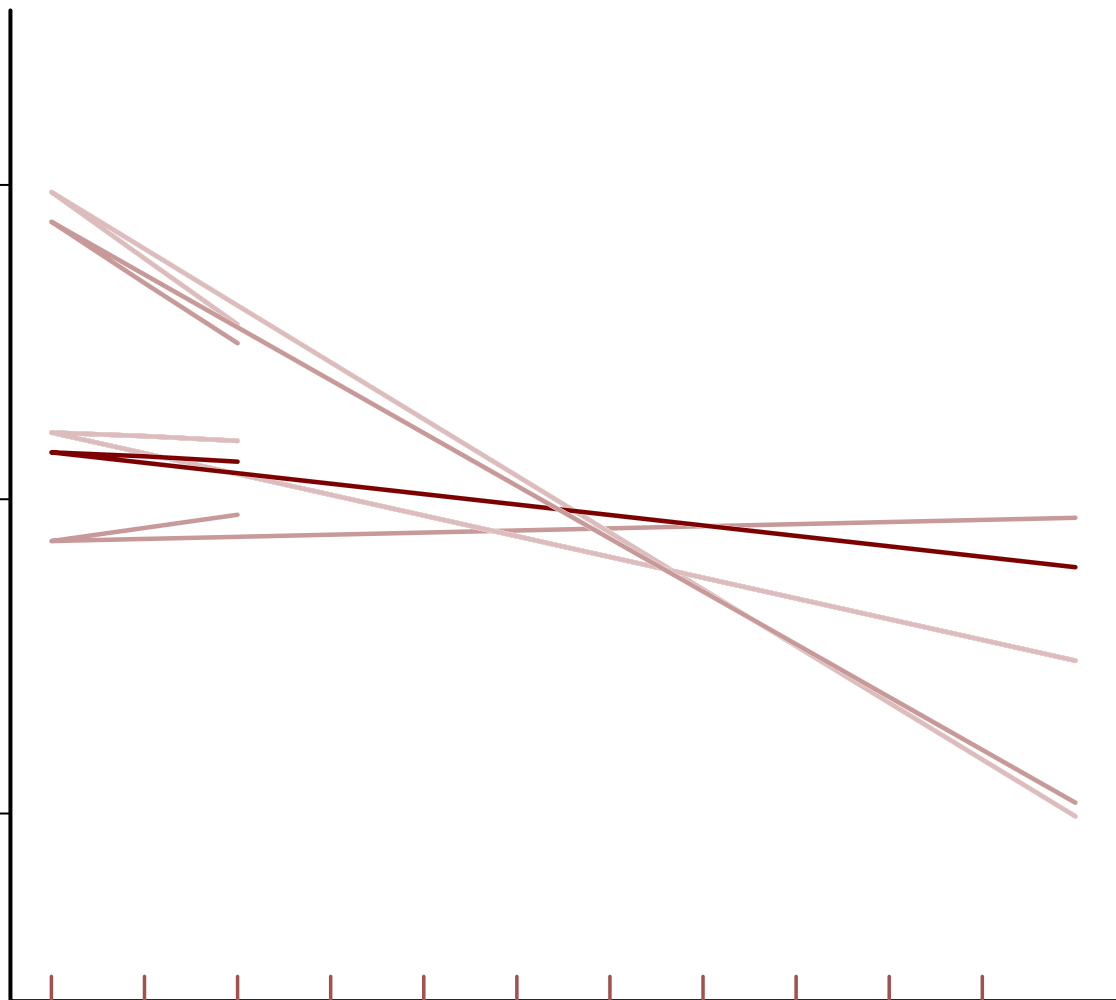
6

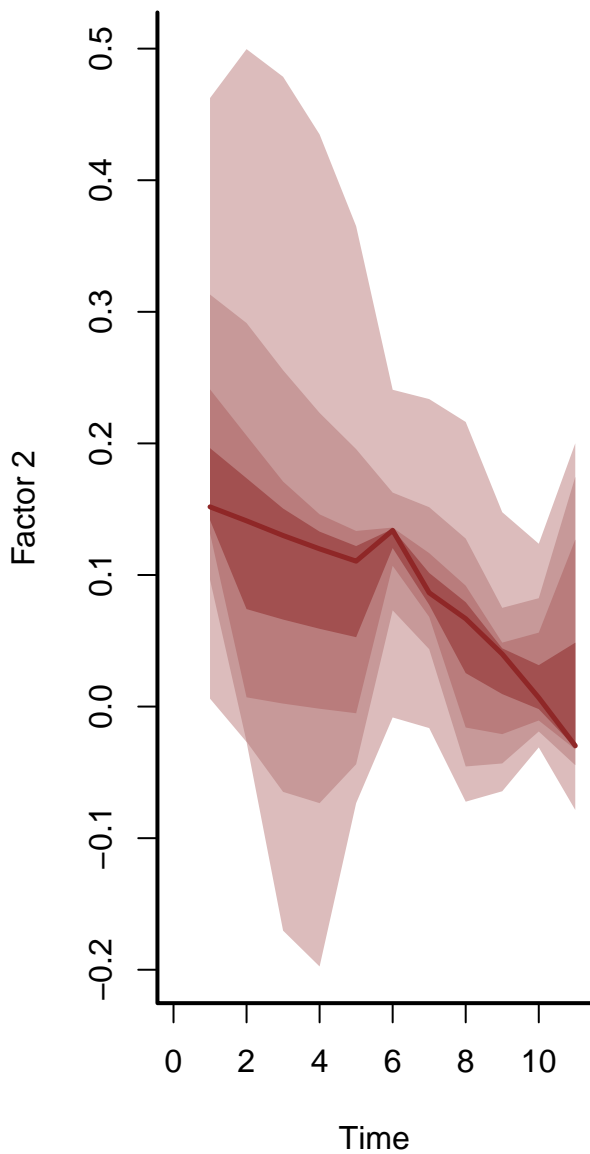
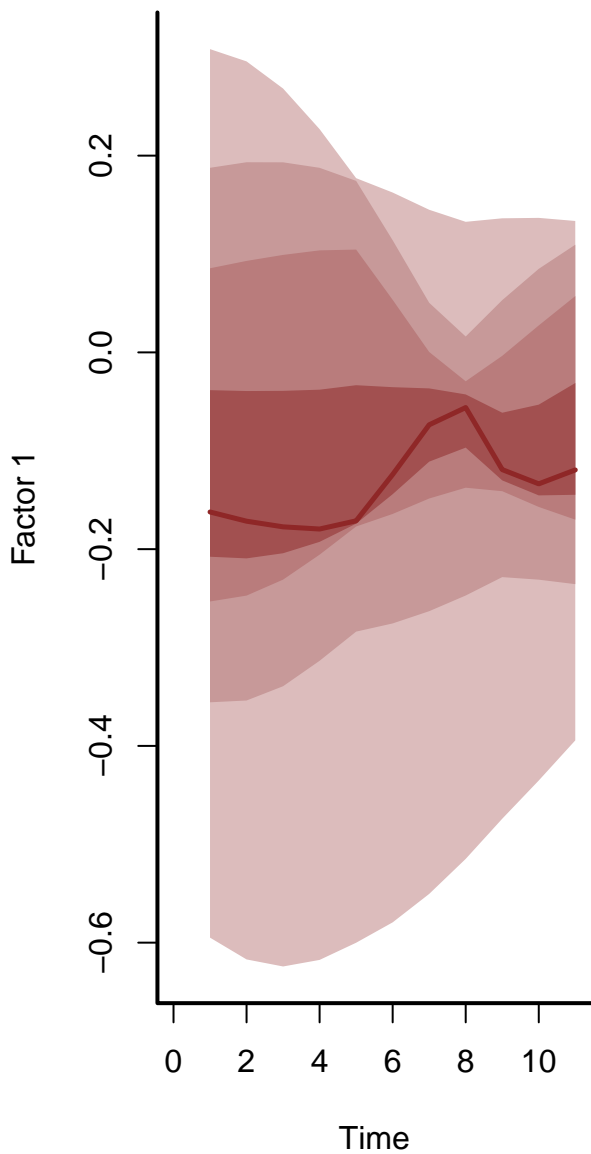
8

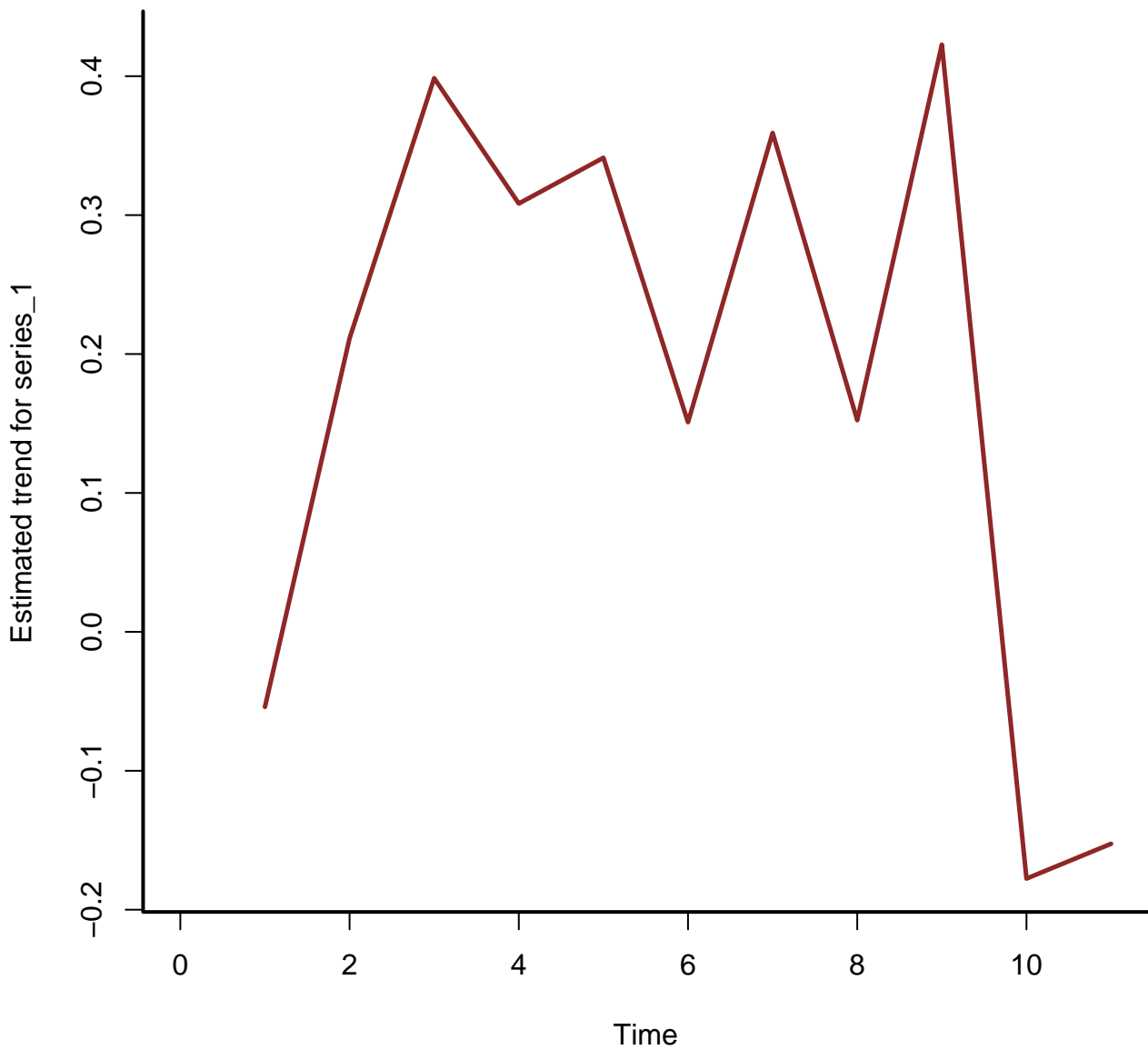
10

12

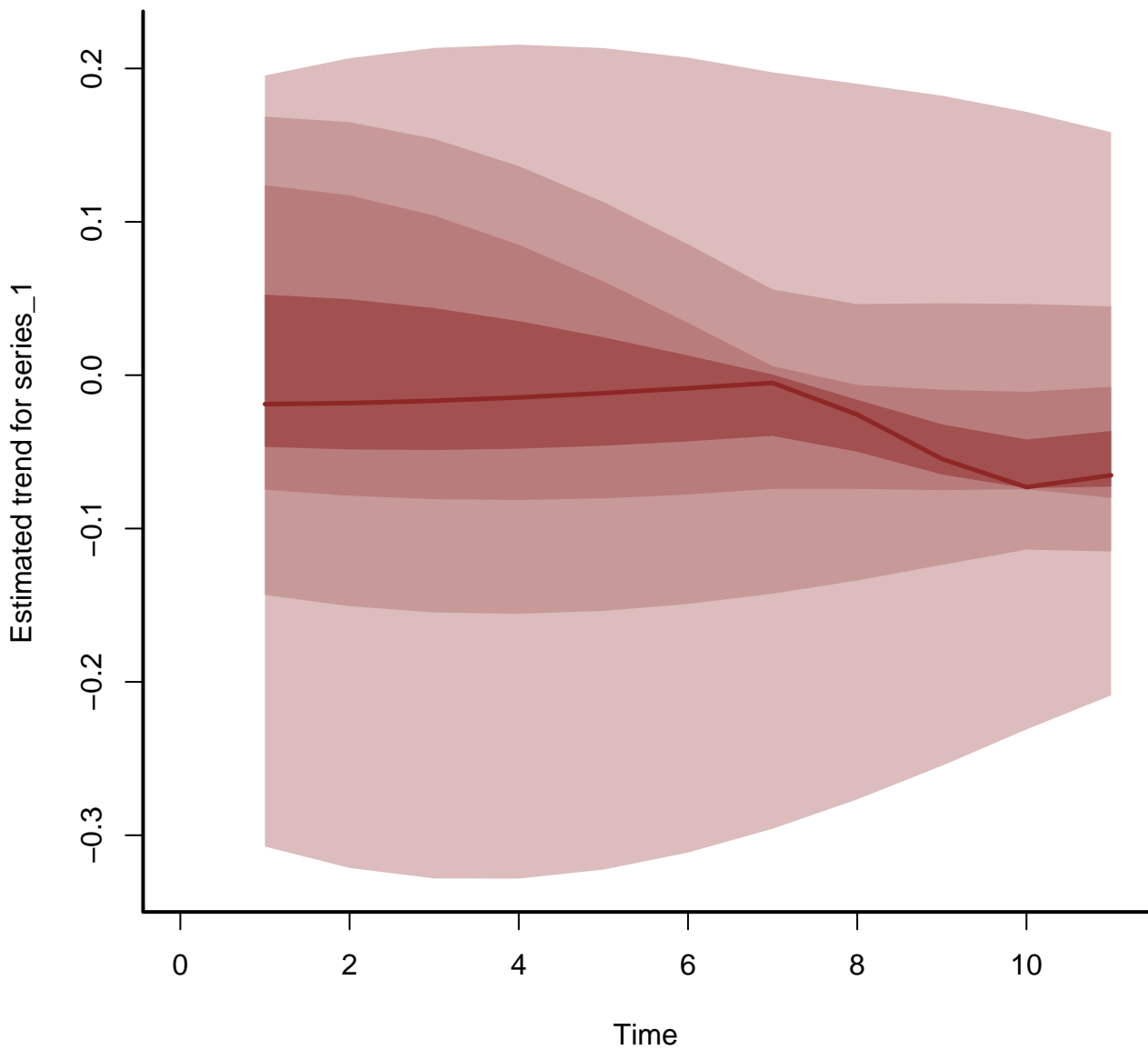
season



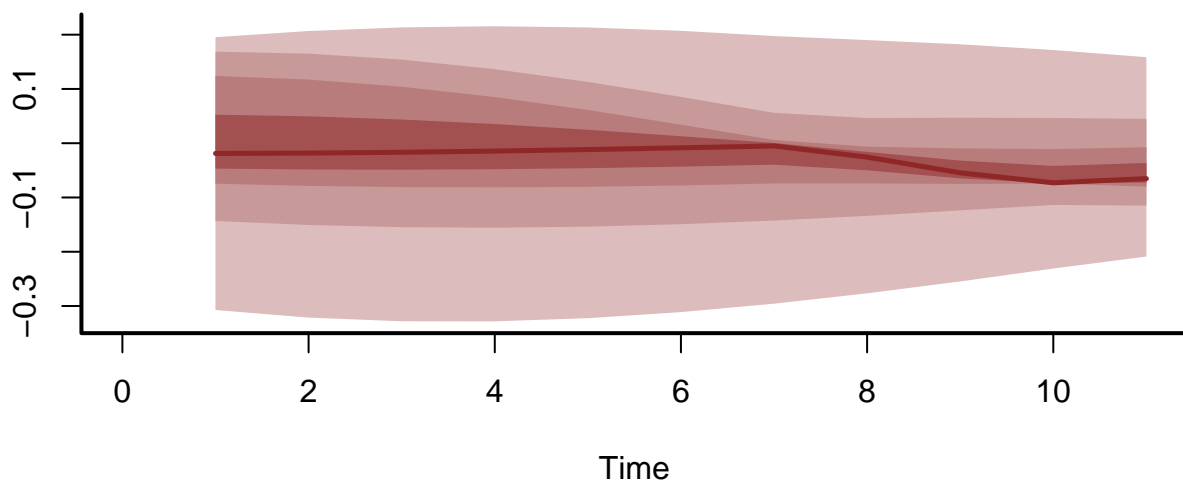




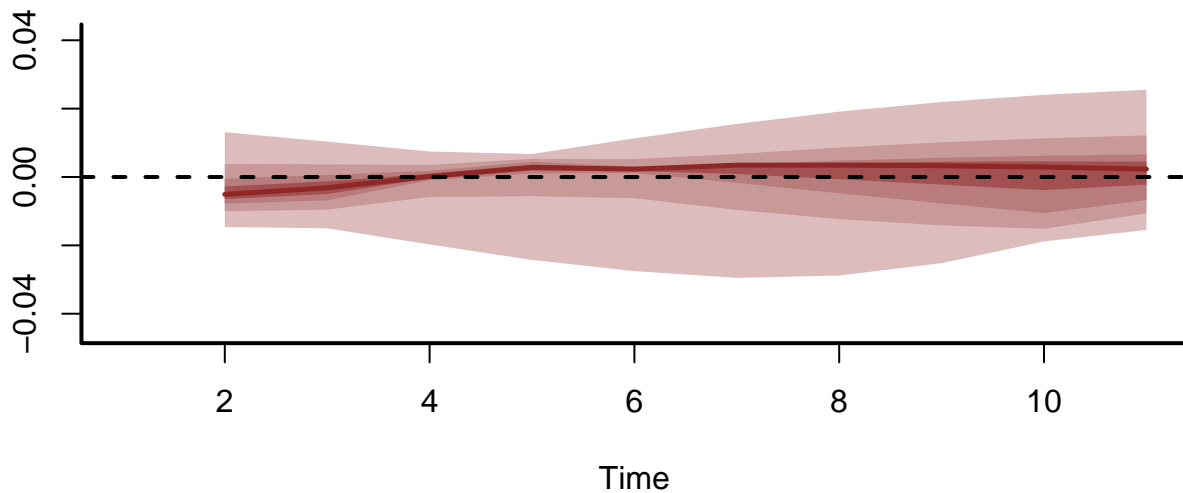


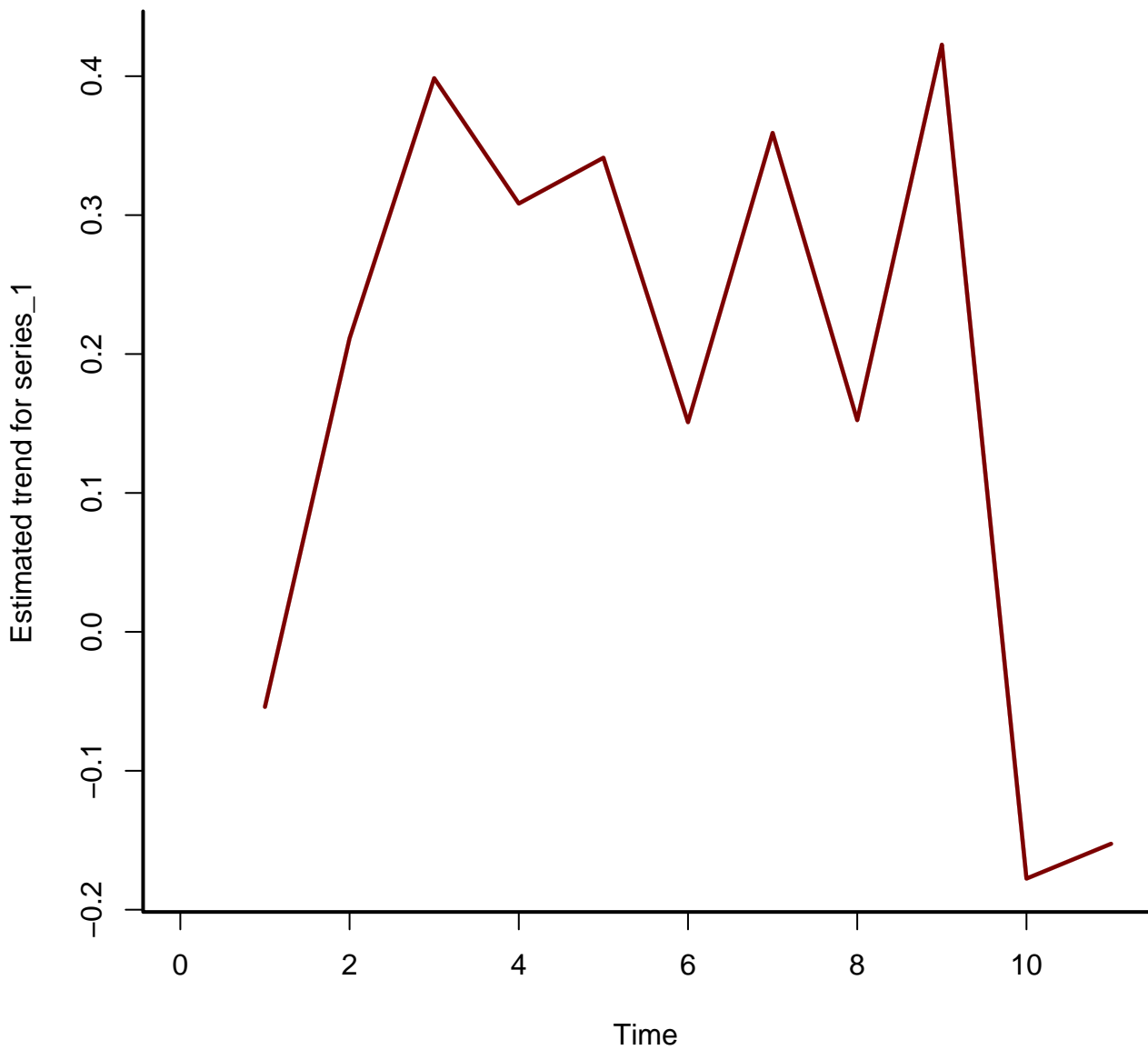


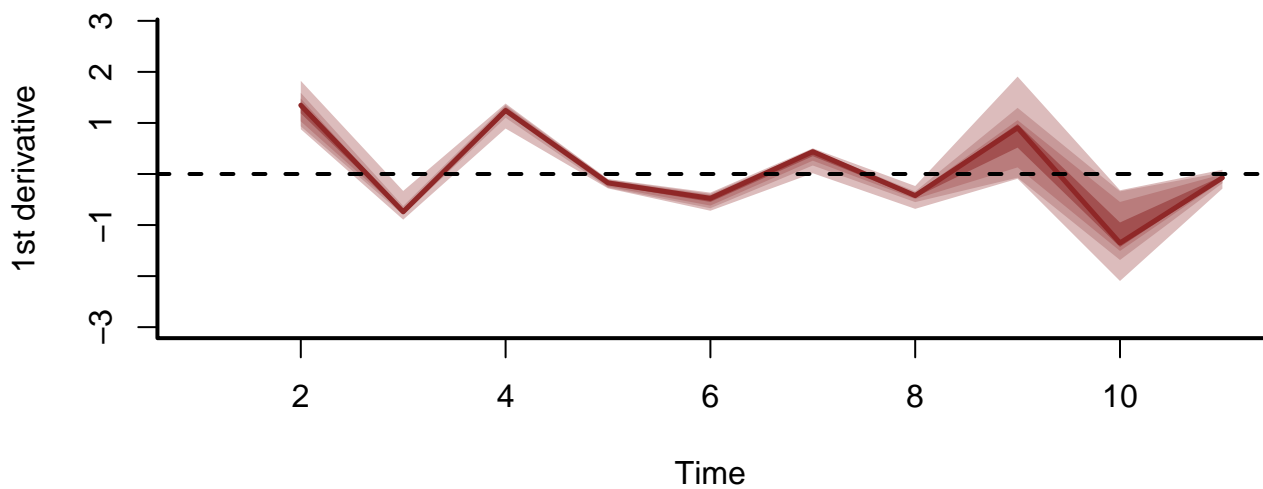
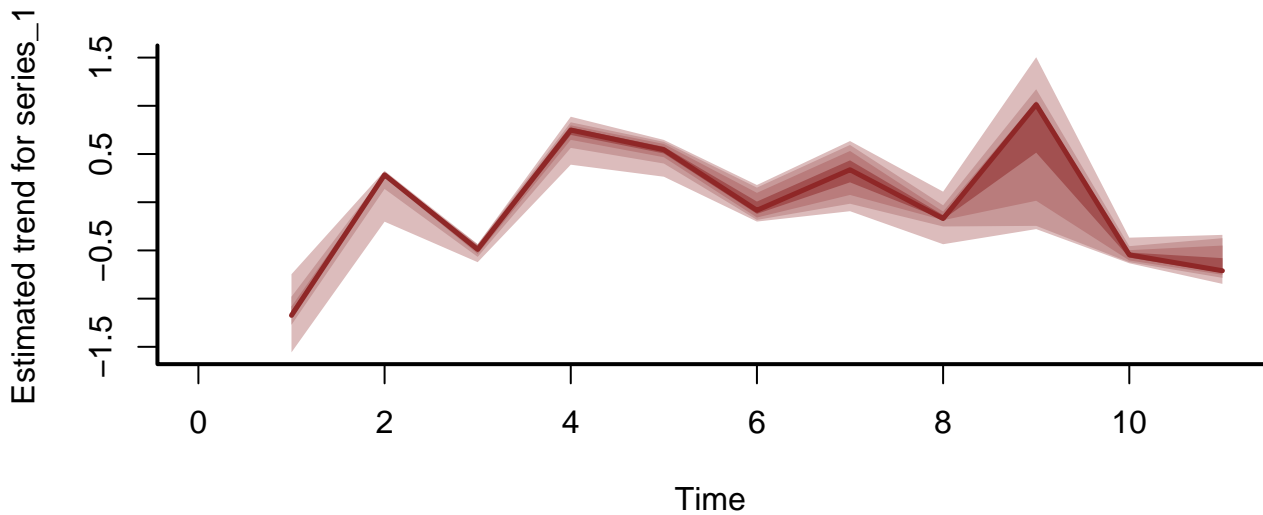
Estimated trend for series\_1

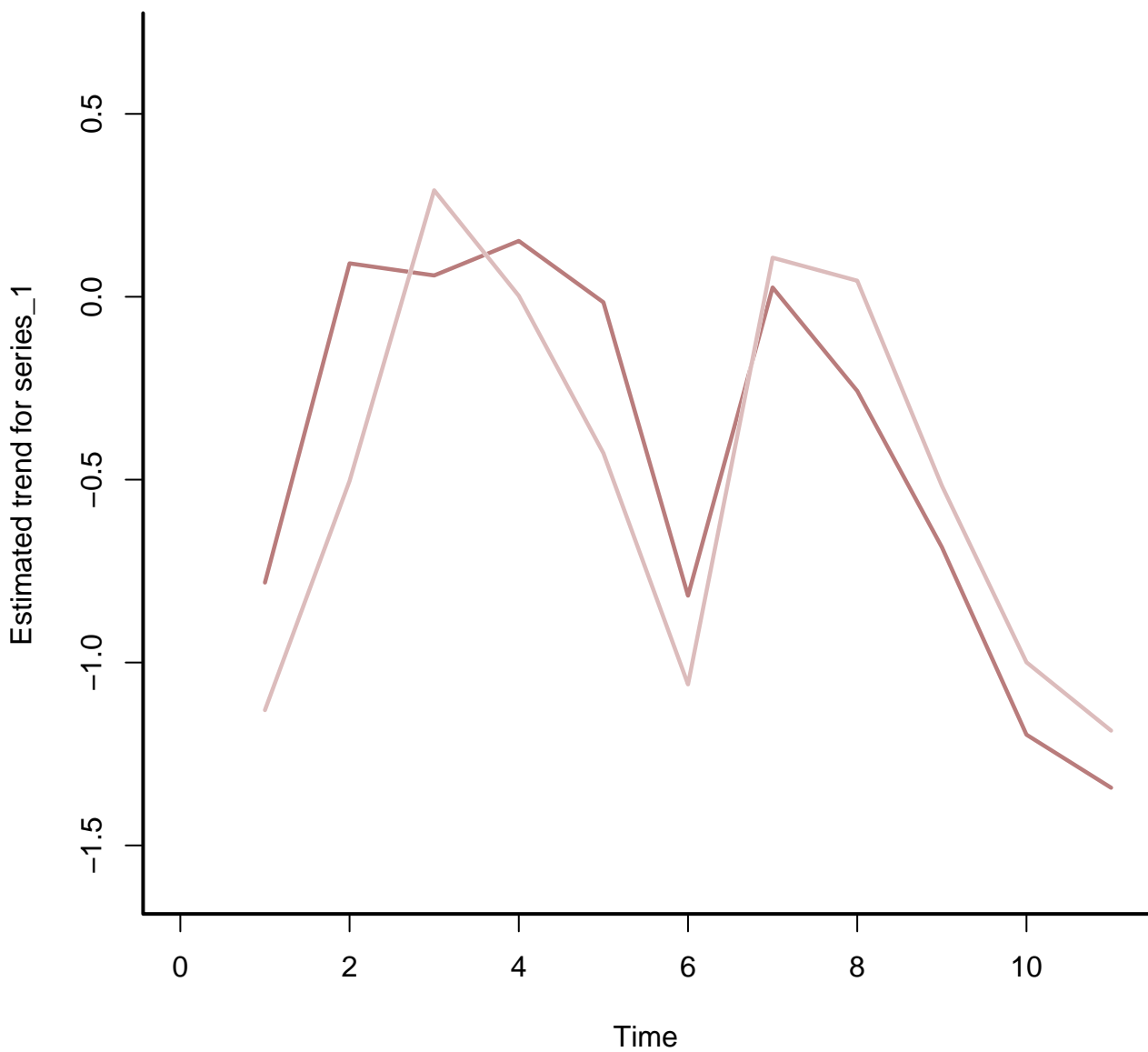


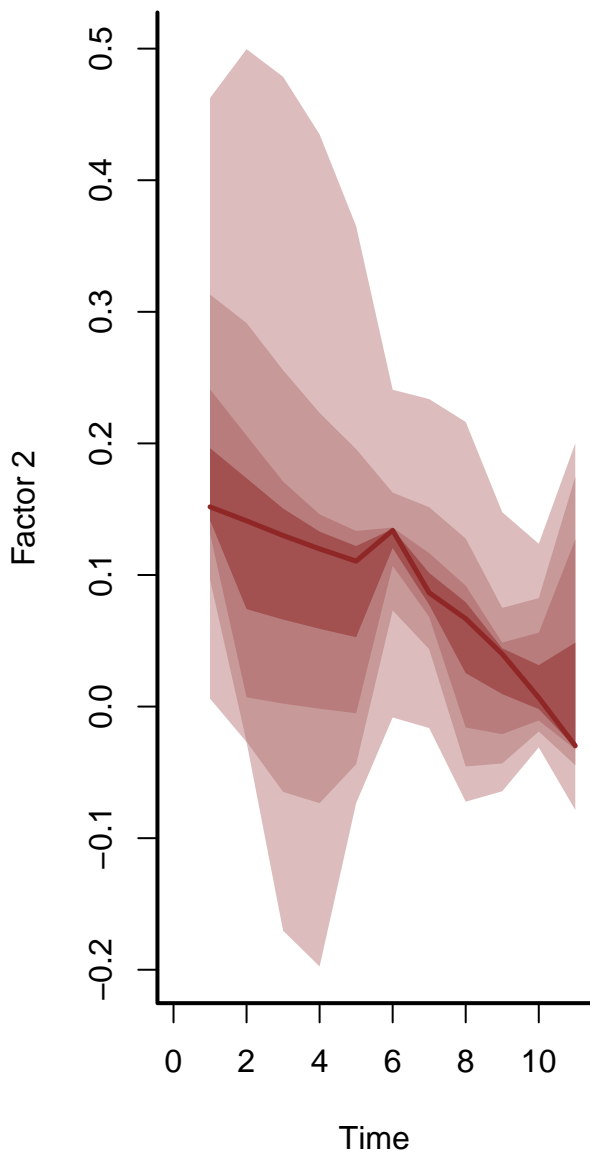
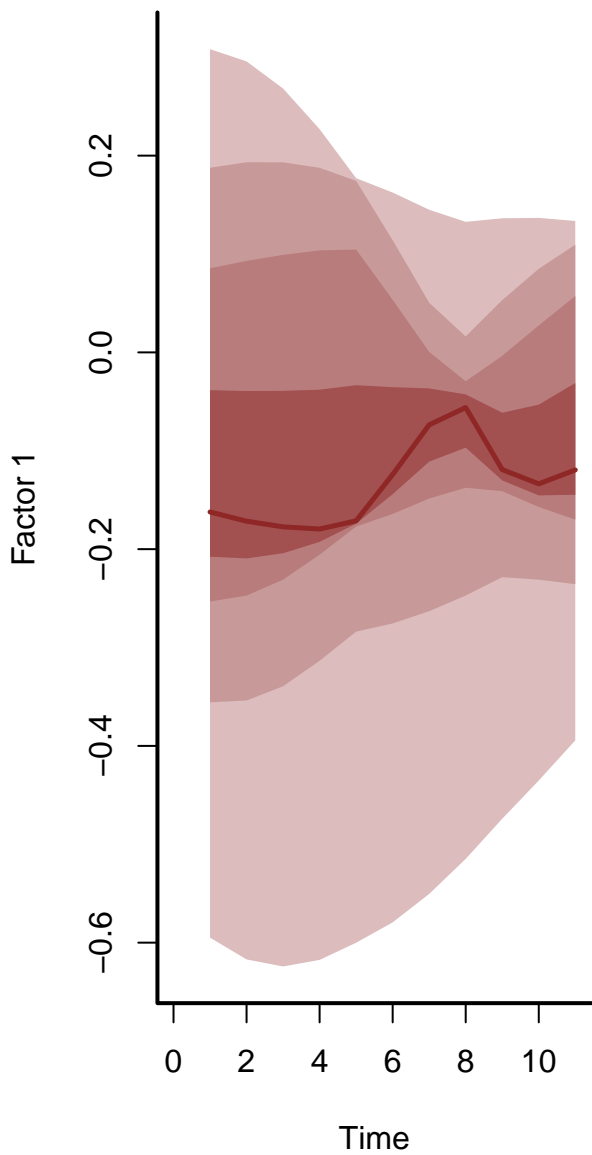
1st derivative











Sum RPS (lower is better)

0  
1  
2  
3  
4  
5  
6

model 1

model 2

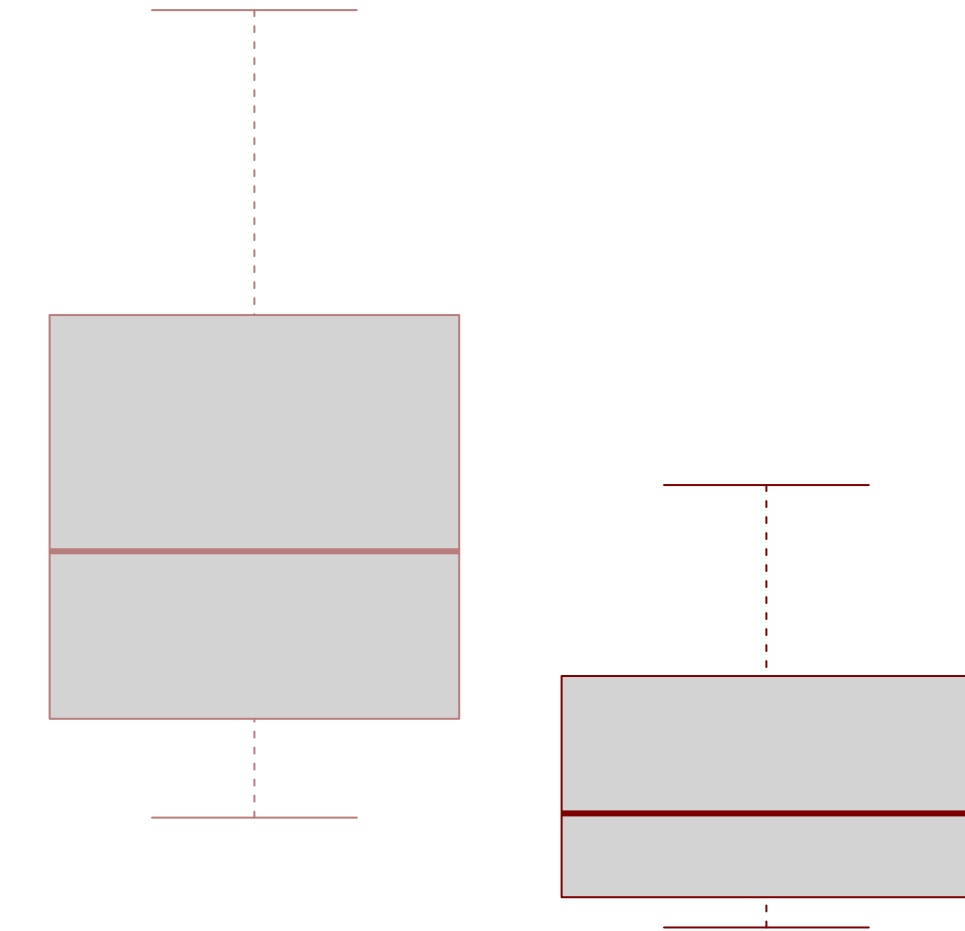


Sum RPS per evaluation

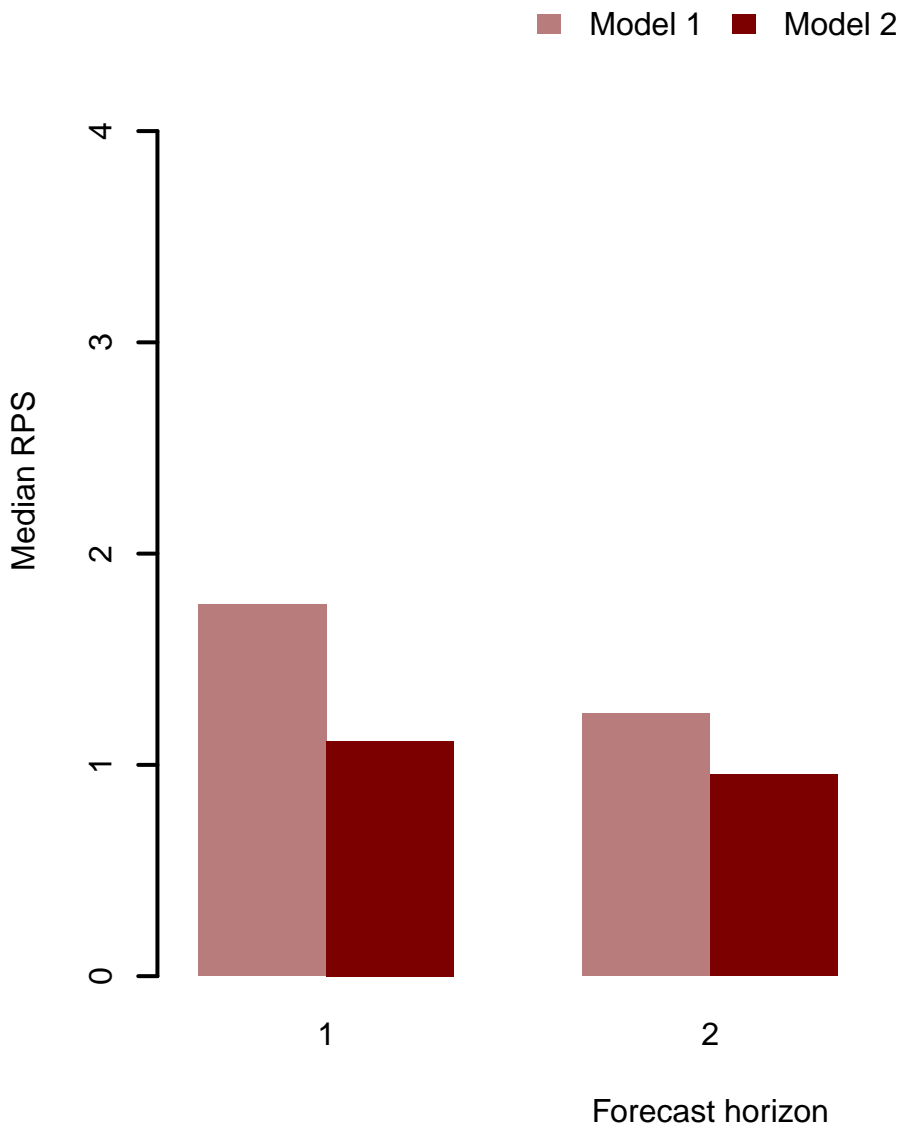
1.0  
1.5  
2.0  
2.5  
3.0

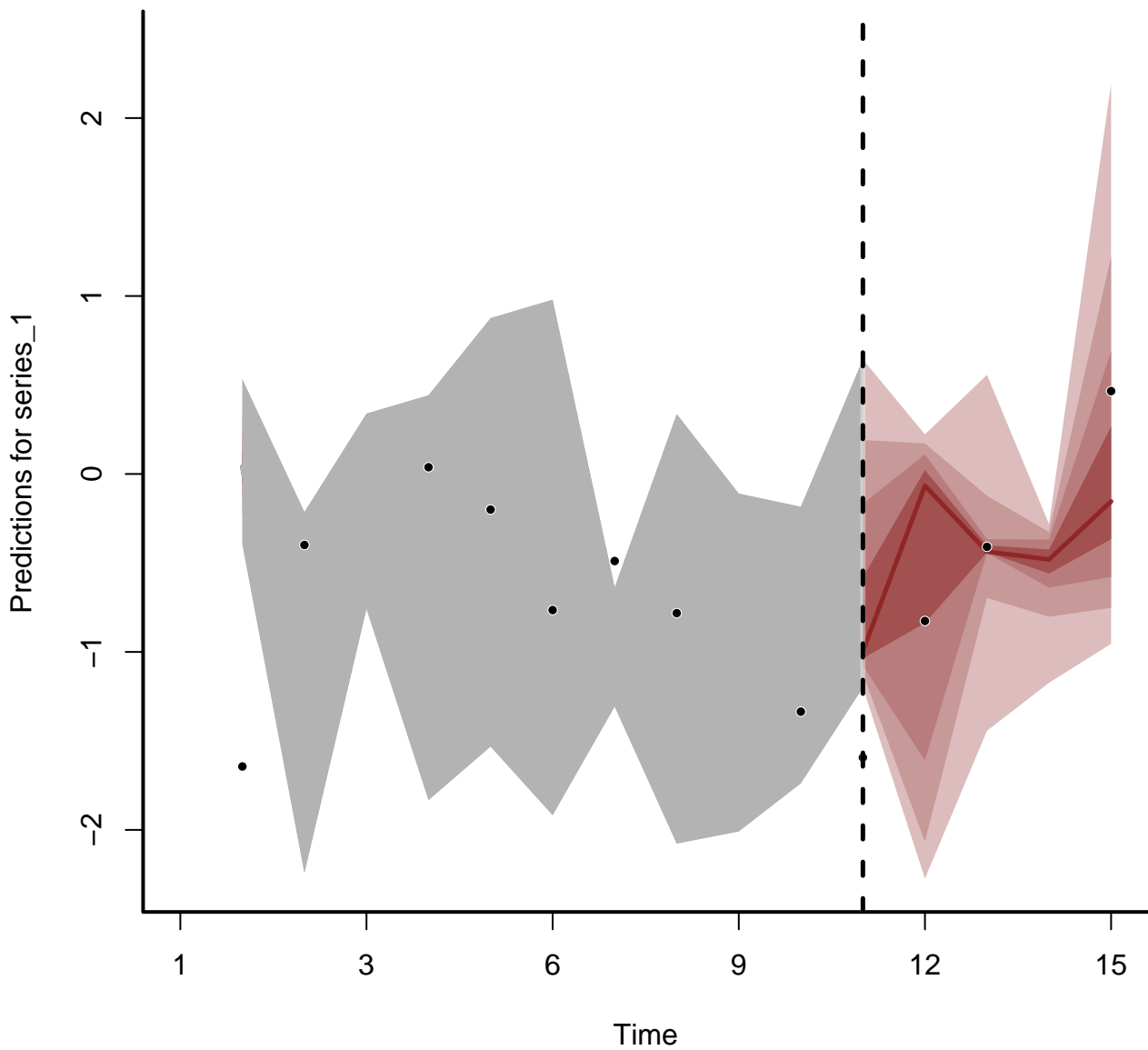
model 1

model 2

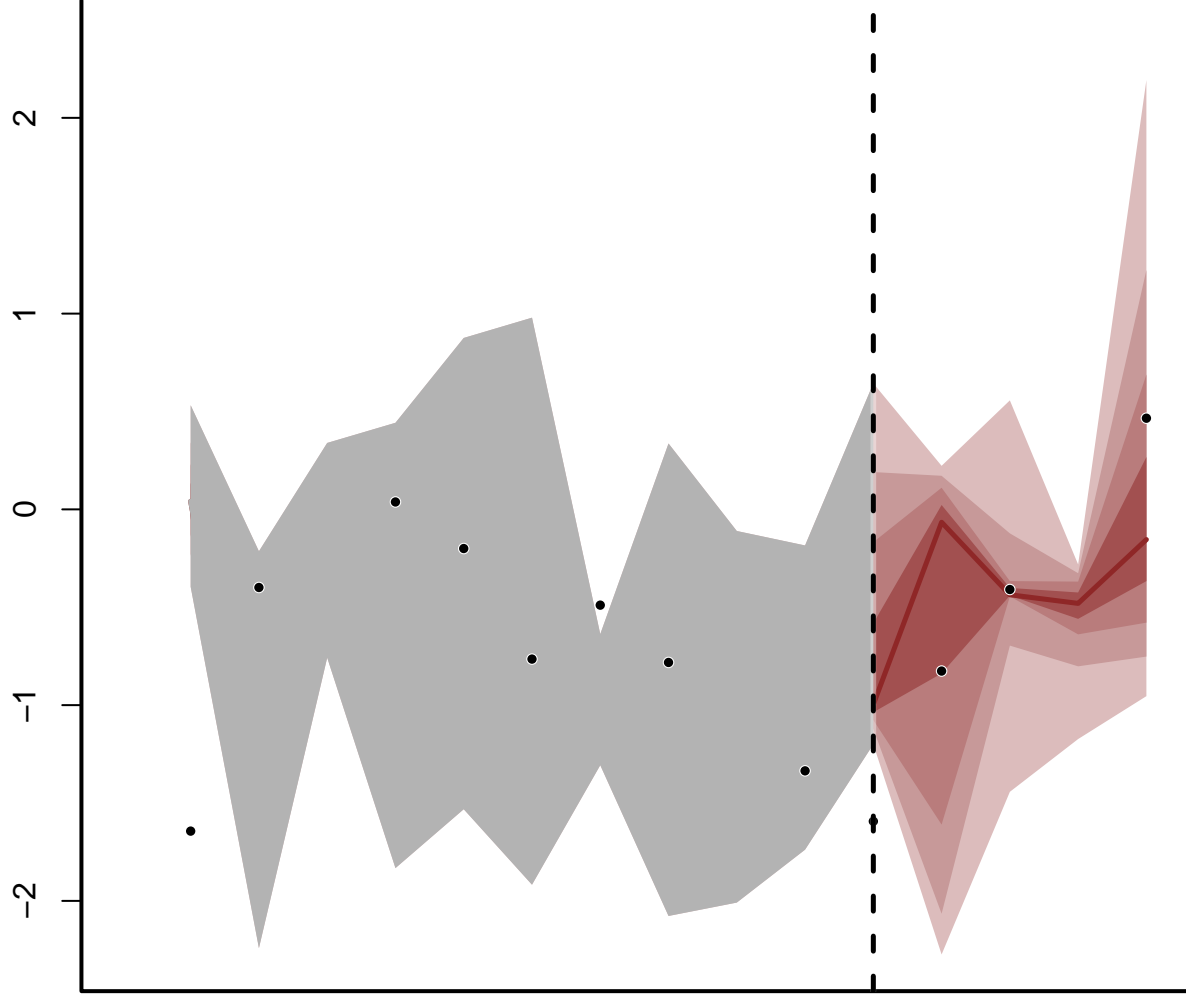


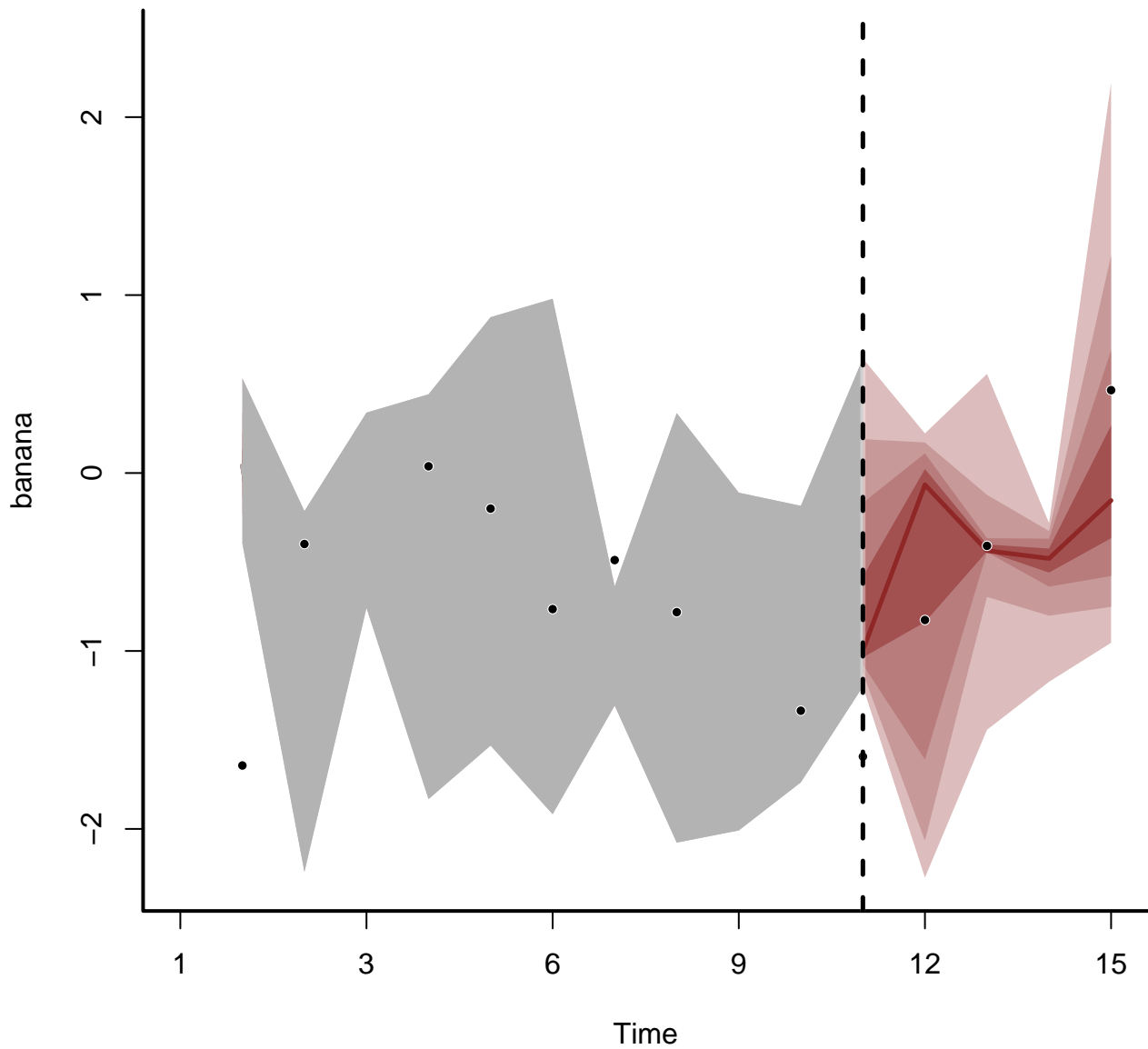


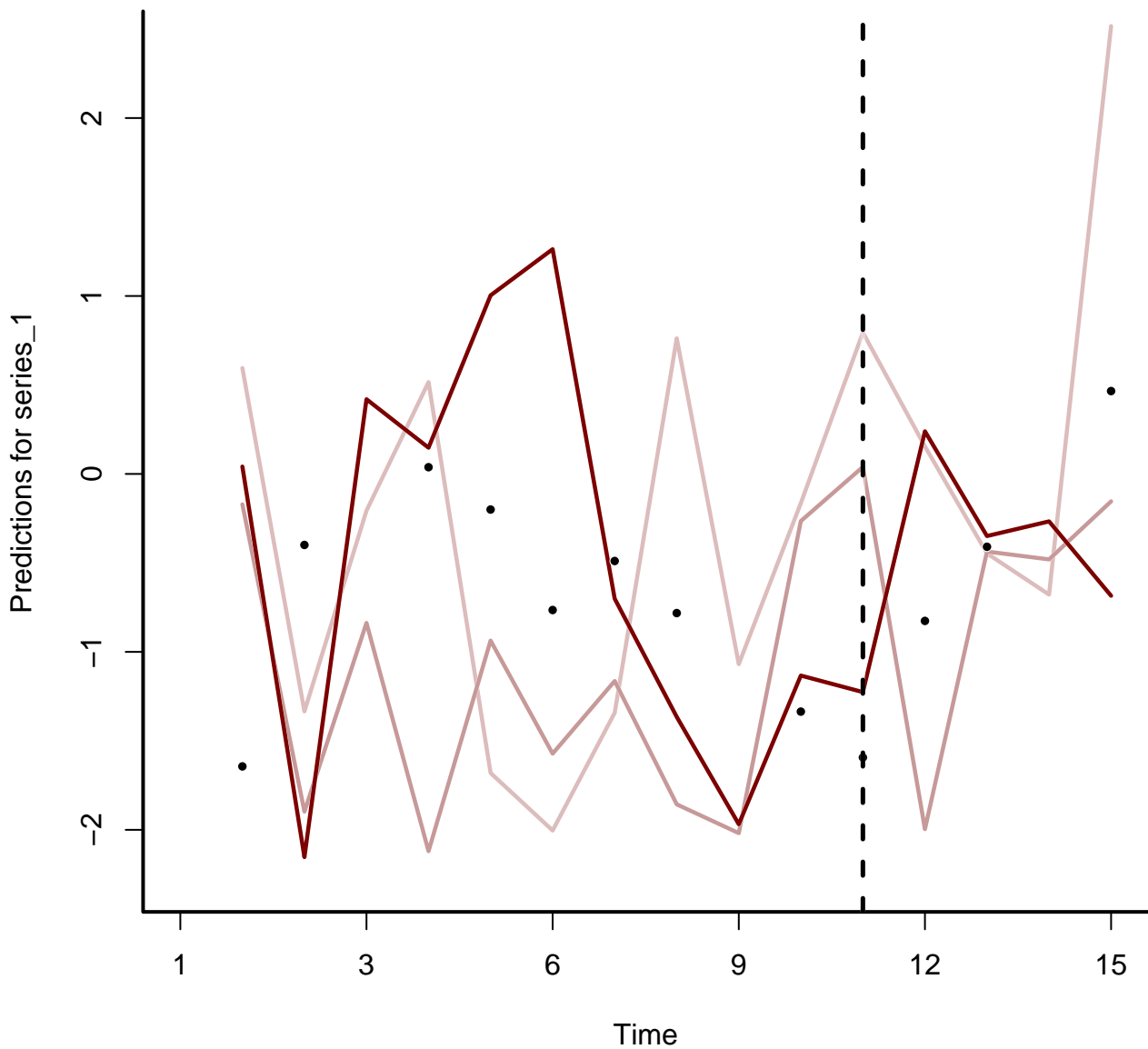




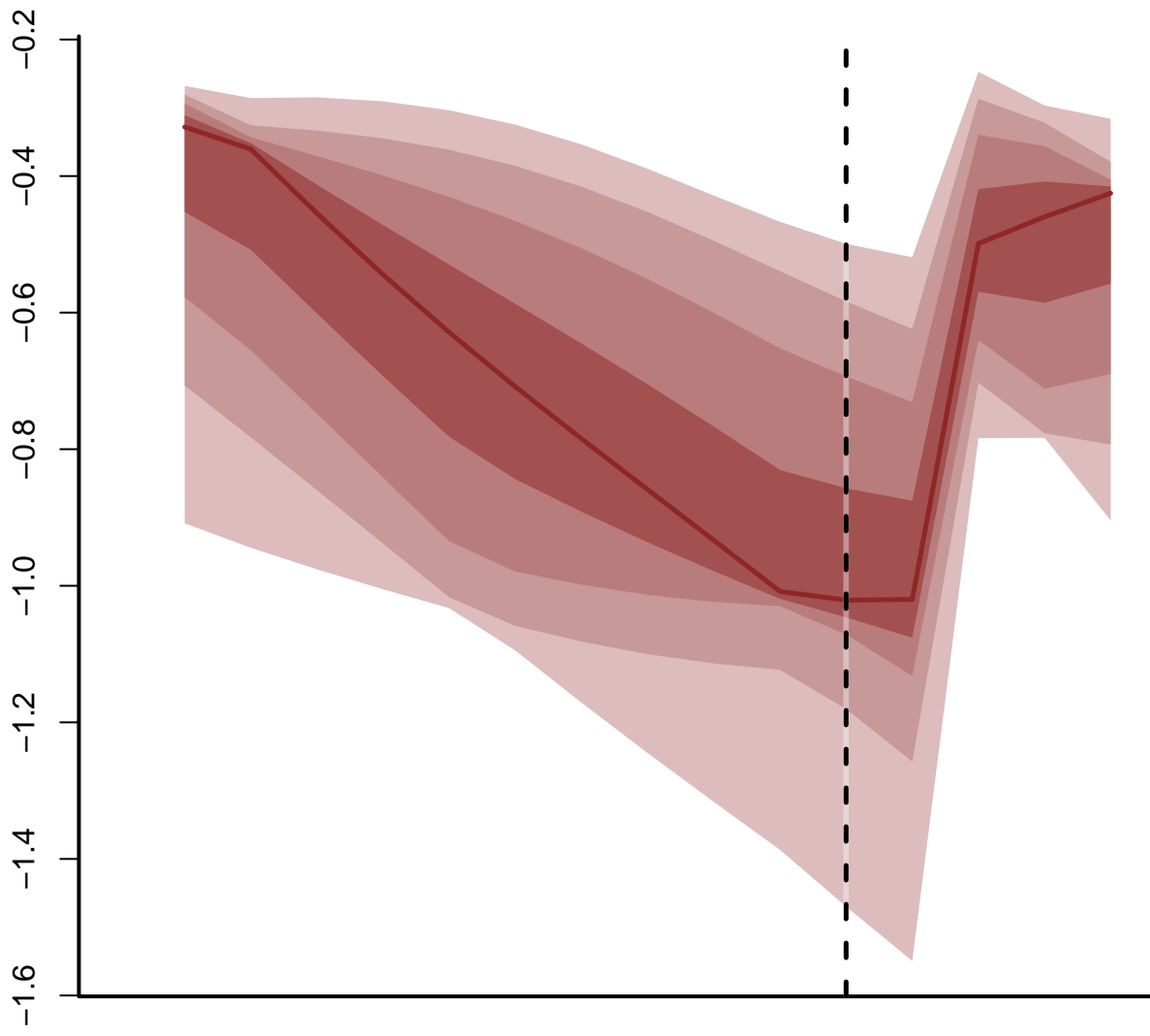
Predictions for series\_1

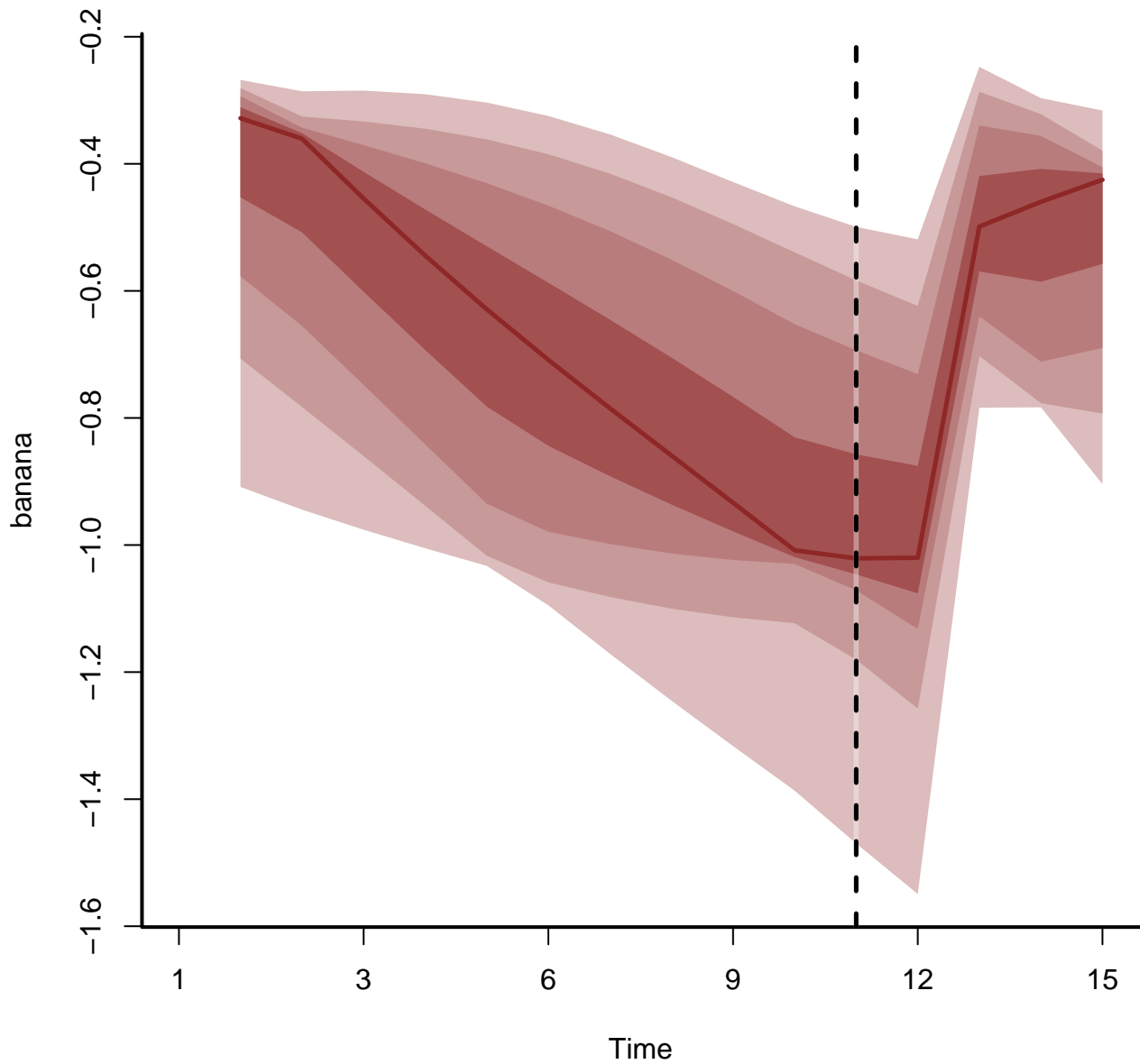


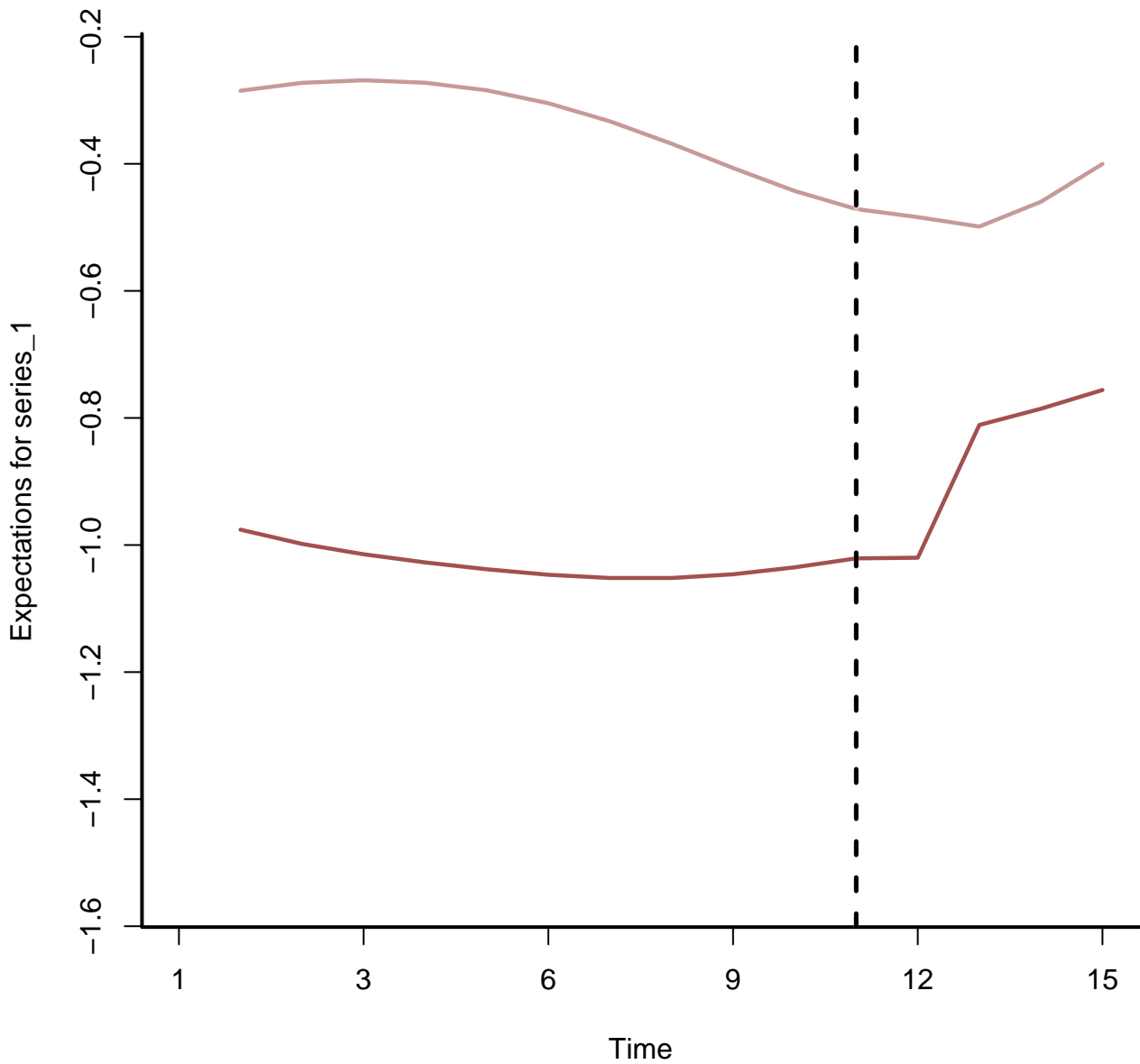




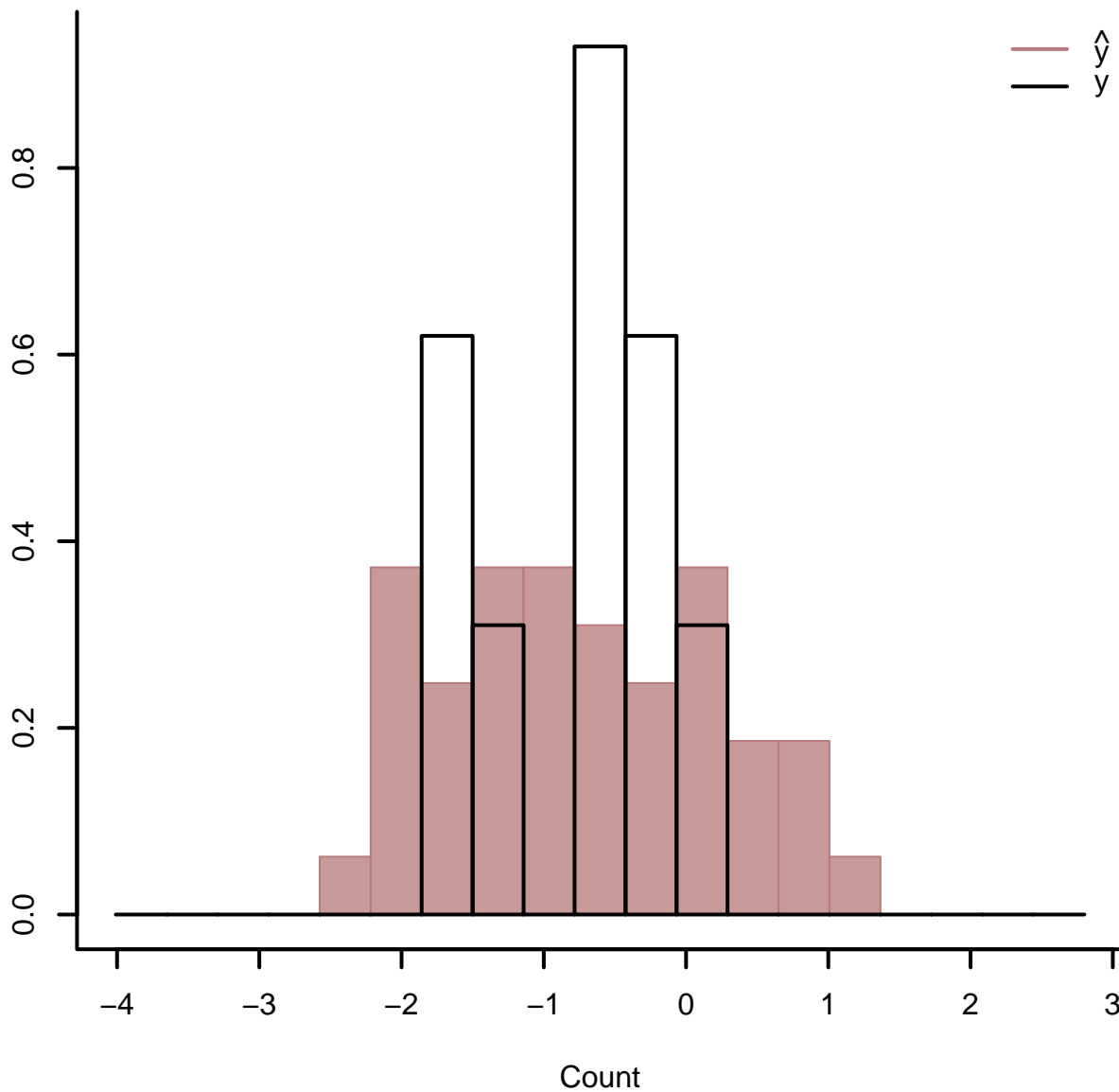
Expectations for series\_1

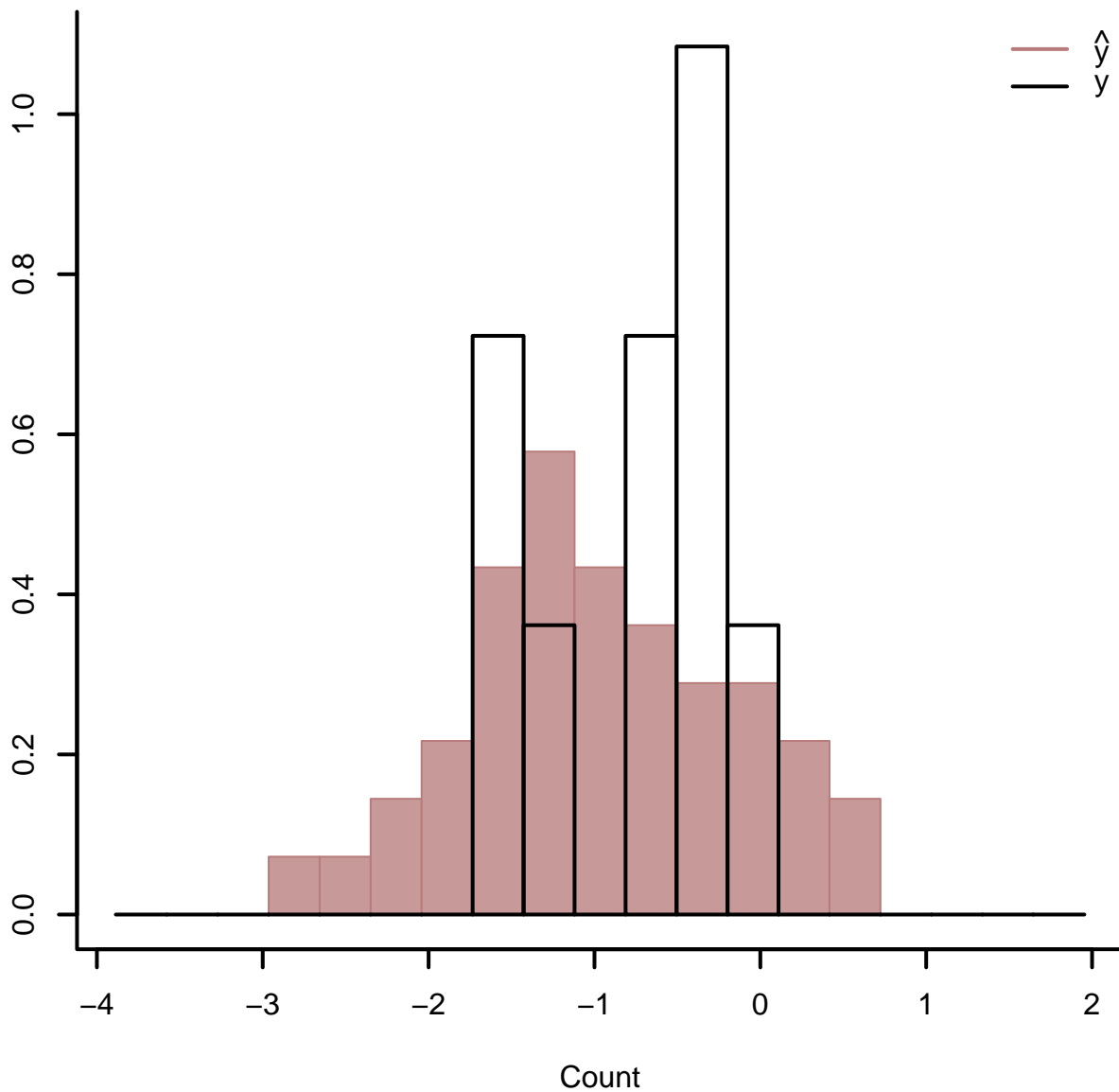




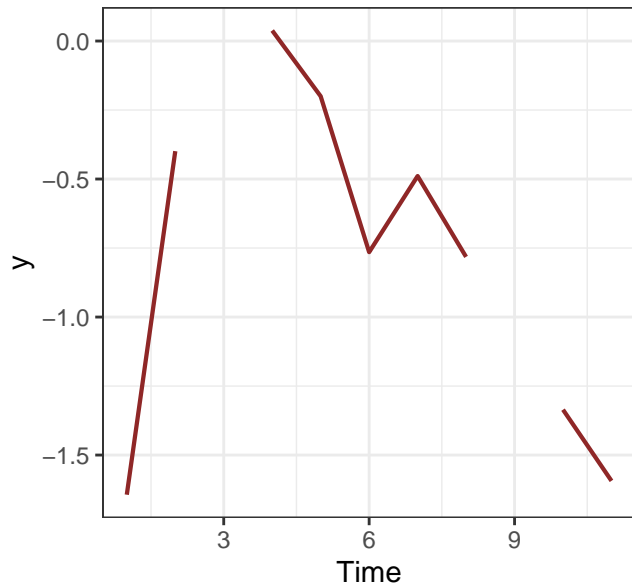




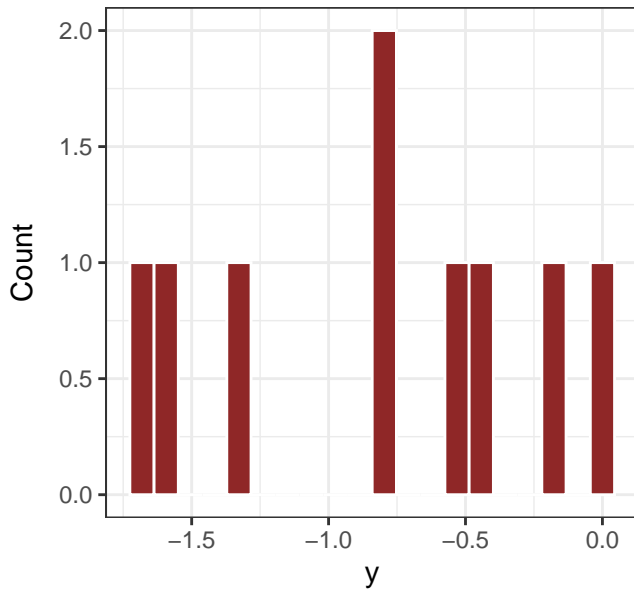




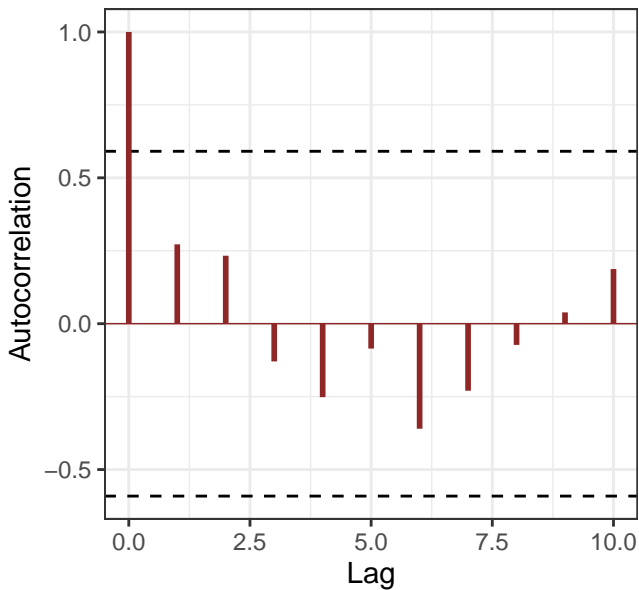
Time series



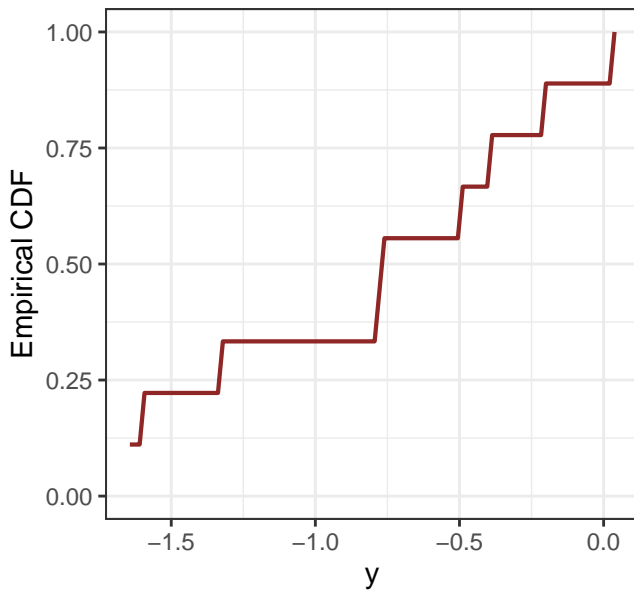
Histogram



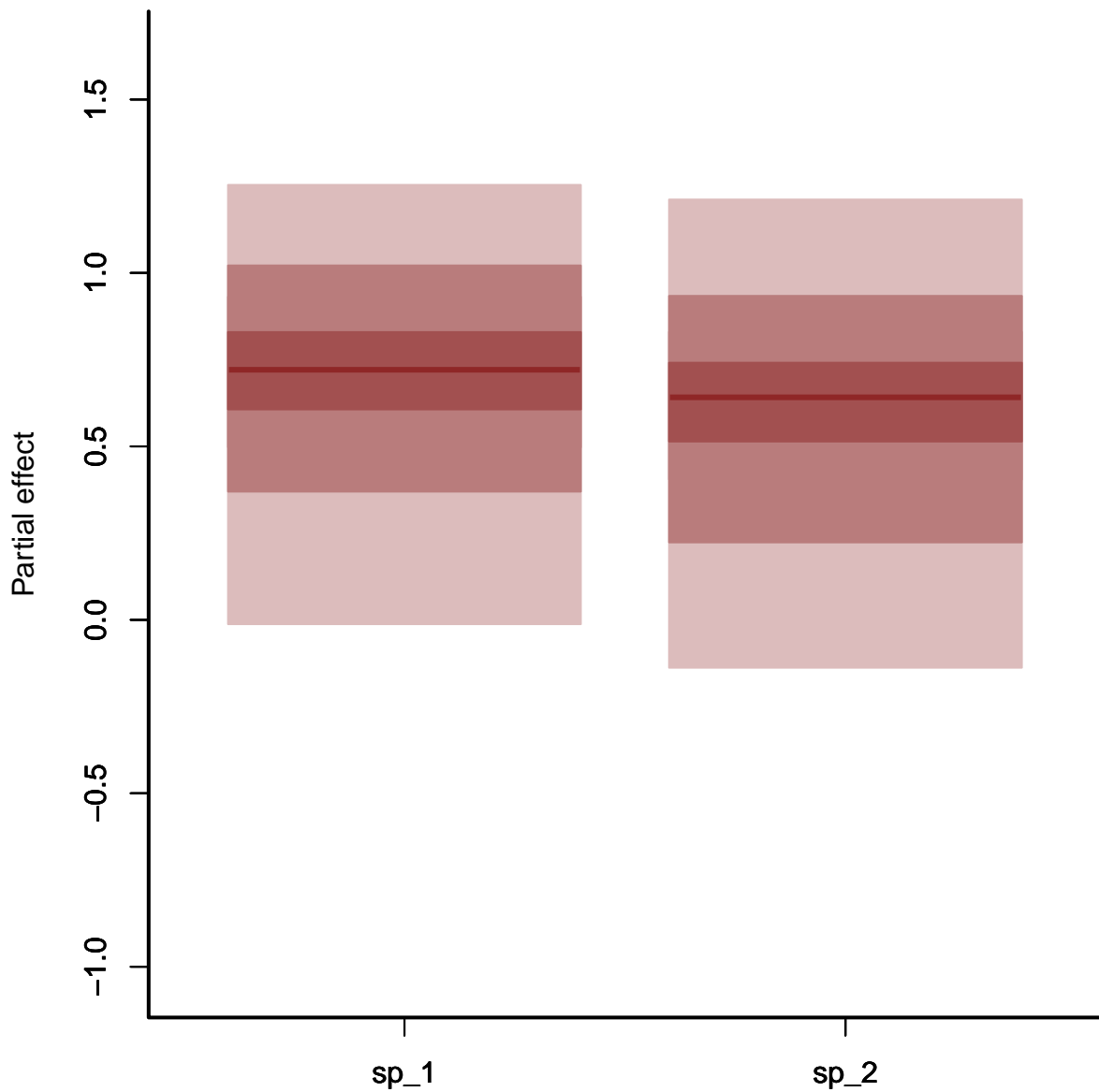
ACF



CDF



species



species

0.0

-0.5

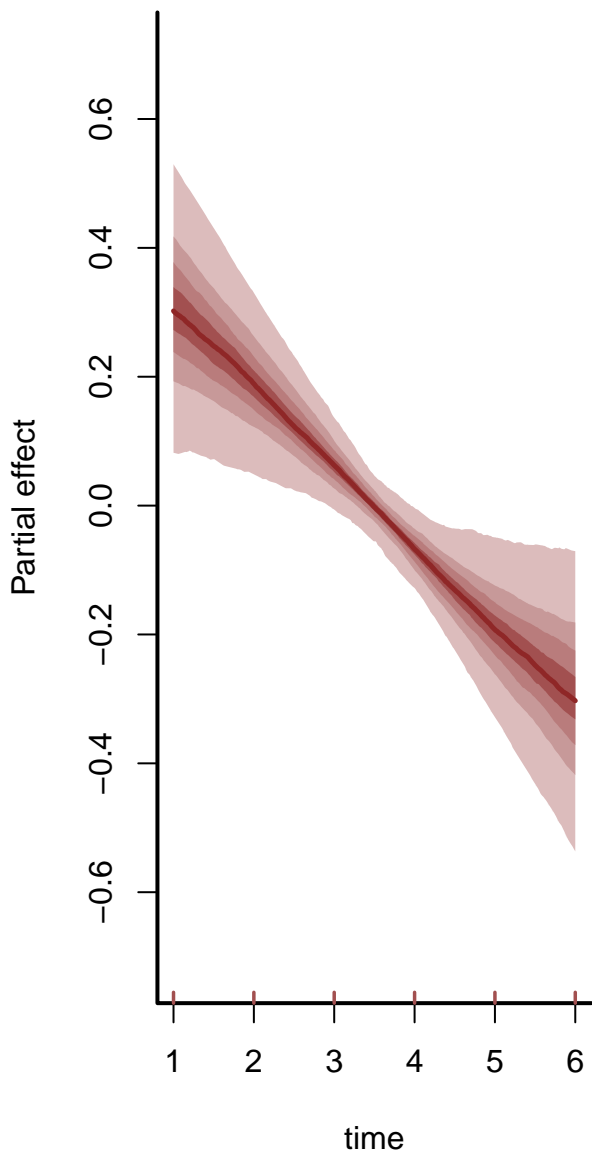
-1.0

-1.5

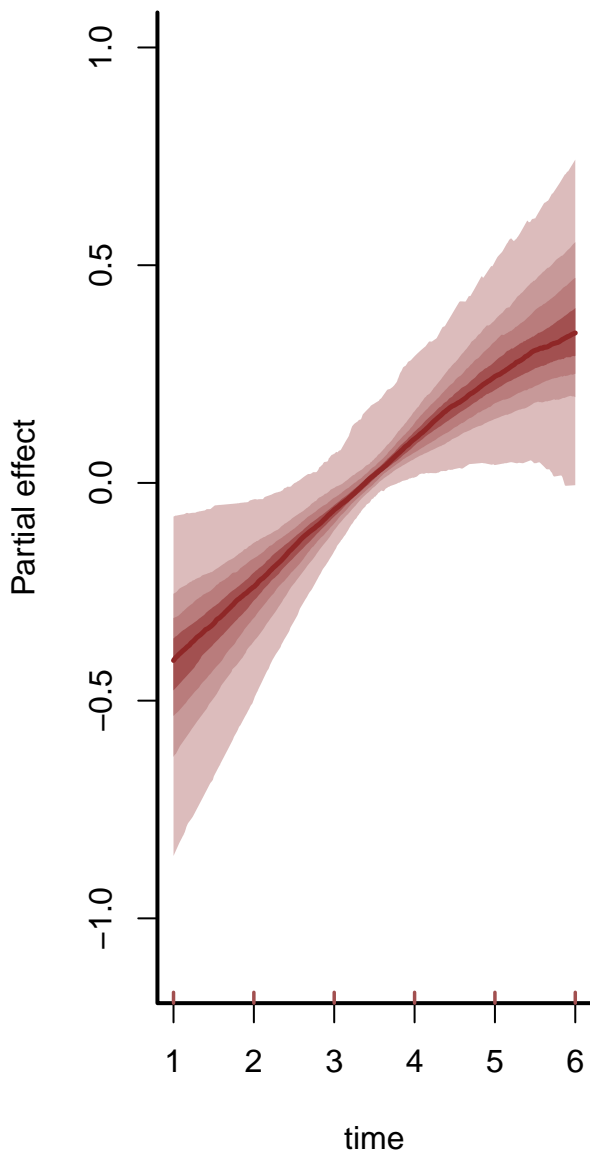
Partial effect



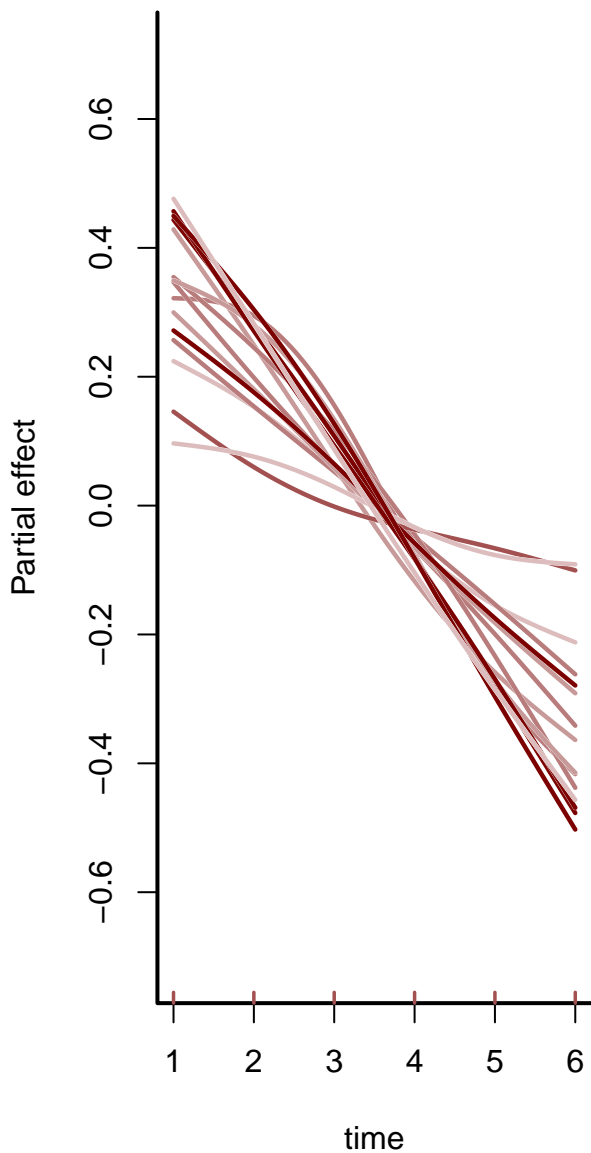
**s(time):trendtrend1**



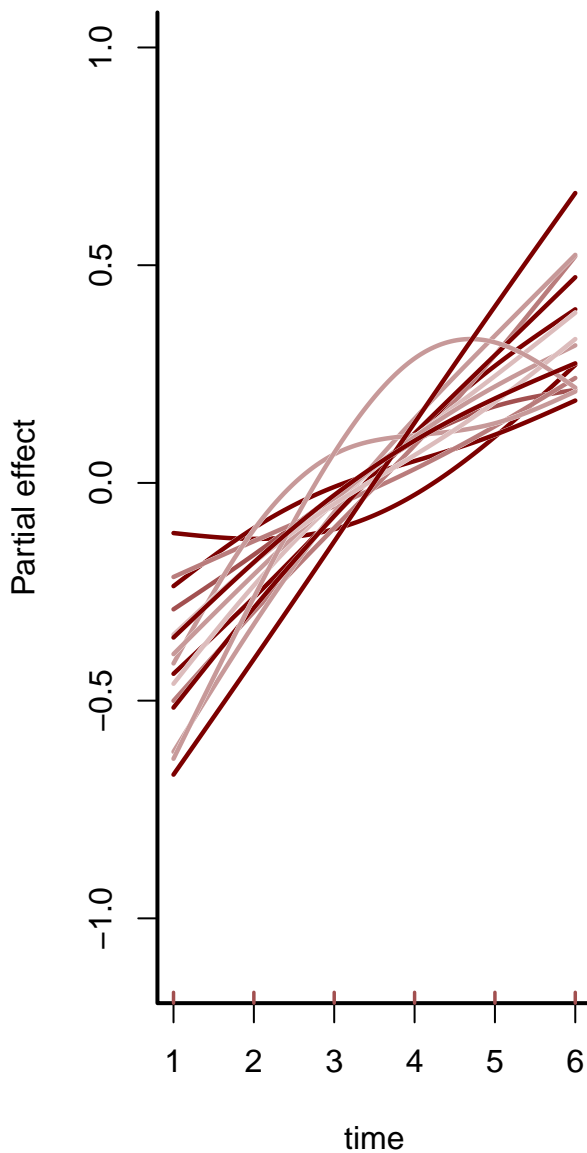
**s(time):trendtrend2**



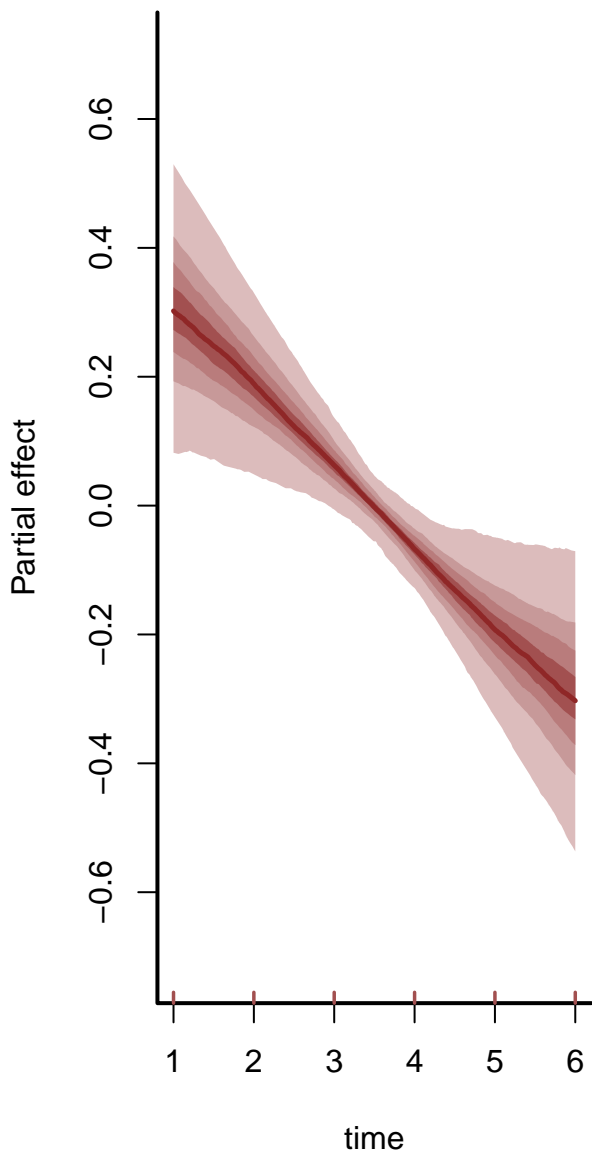
**s(time):trendtrend1**



**s(time):trendtrend2**



**s(time):trendtrend1**



**s(time):trendtrend2**

