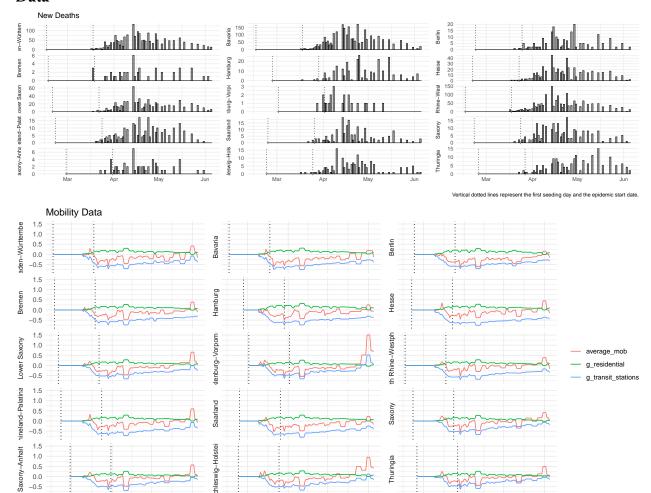
Germany

Data



Vertical dotted lines represent the first seeding day and the epidemic start date.

Saxony

Analysis

1.5 1.0 0.5

0.0 -0.5

Number of divergent transitions = 0

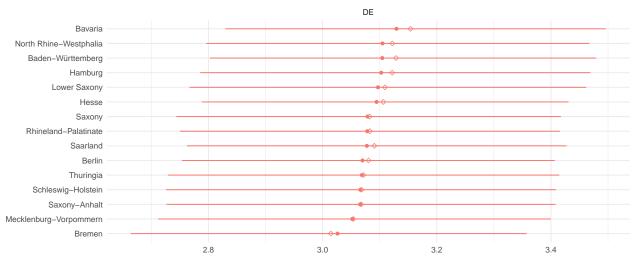
chleswig-Holstei

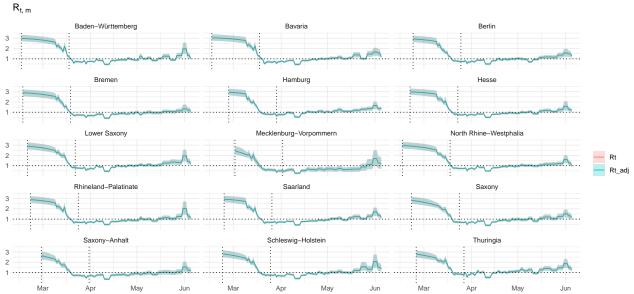
Maximum $\hat{R} = 1.005097$

Minimum Bulk ESS = 823.5165

Minimum Tail ESS = 1088.014







Vertical dotted lines represent the first seeding day and the epidemic start date. Ribbons represent the 80% credible intervals.

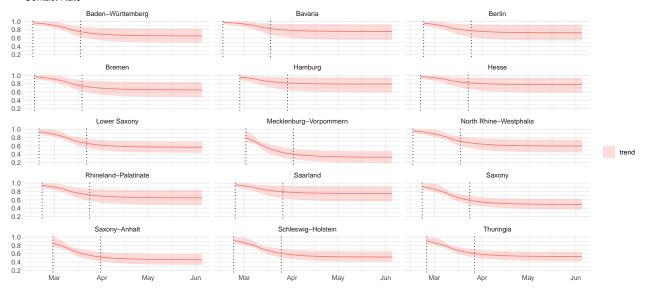
Contact rate function:

$$cr(t;t^*,\lambda_j,\kappa) = \lambda_j + \frac{1-\lambda_j}{1+\exp(\kappa(t-t^*))}$$

where

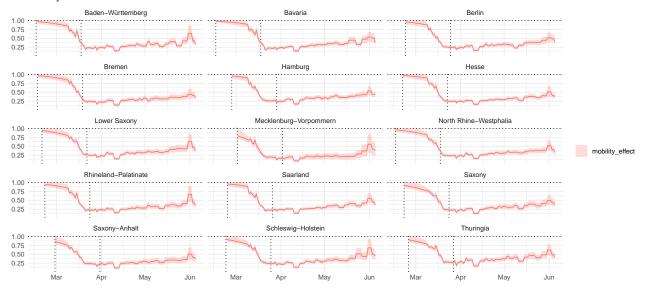
$$\lambda_j \sim \text{Beta}(3,1)$$
 $\kappa \sim \text{NegHalfNormal}(0,1).$

Contact Rate

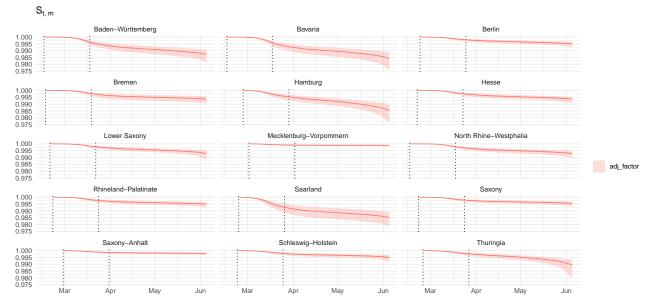


Vertical dotted lines represent the first seeding day and the epidemic start date. Ribbons represent the 80% credible intervals.

Mobility effect

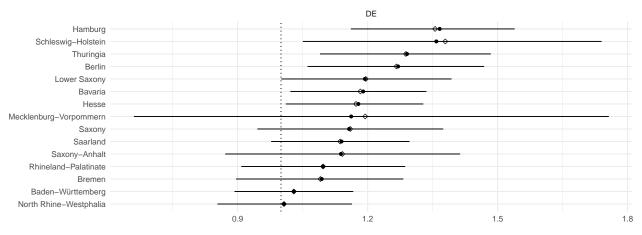


Vertical dotted lines represent the first seeding day and the epidemic start date. Ribbons represent the 80% credible intervals.



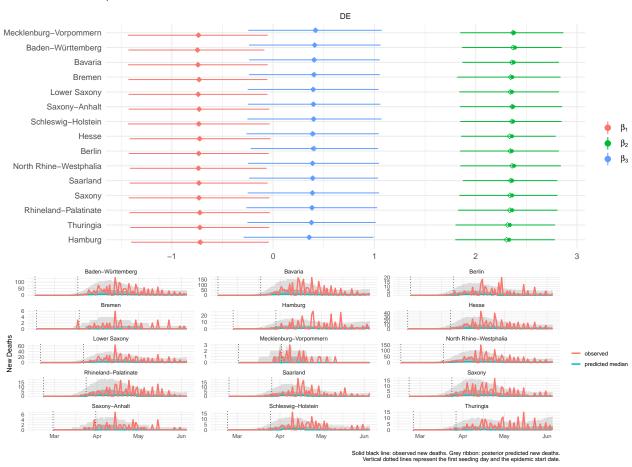
Vertical dotted lines represent the first seeding day and the epidemic start date. Ribbons represent the 80% credible intervals.

$R_{t,m}$ on the last day



Mobility linear model: $\beta_1 \cdot X_{residential} + \beta_2 \cdot X_{transit} + \beta_3 \cdot X_{average}$.





Imputed Cases

