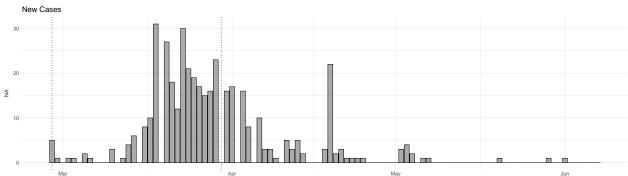
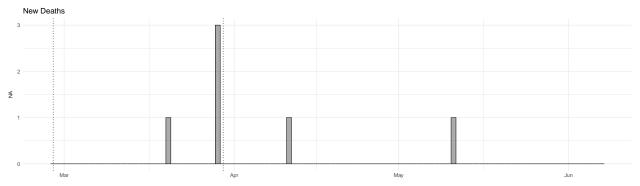
## Taiwan

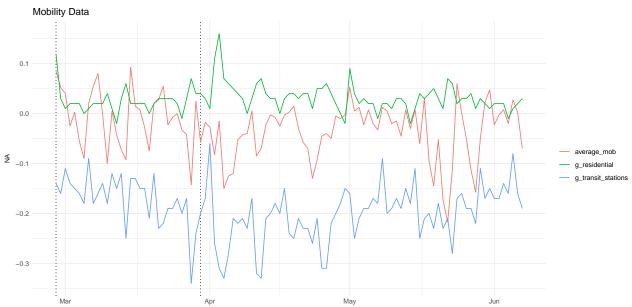
# Data



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



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

### **Analysis**

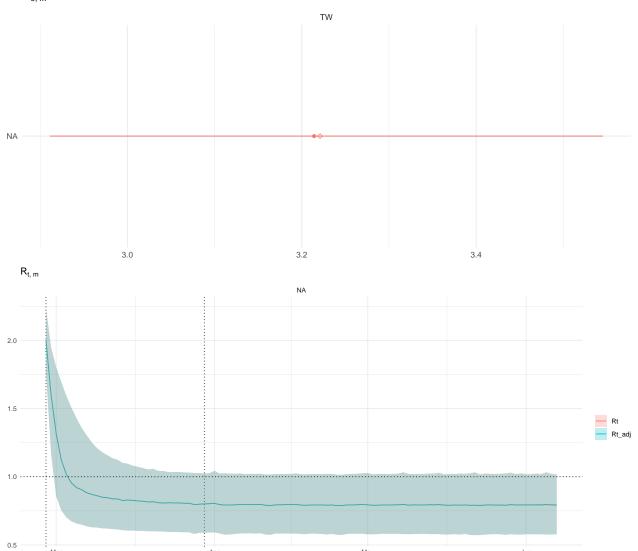
Number of divergent transitions = 0

Maximum  $\hat{R} = 1.007209$ 

Minimum Bulk ESS = 1422.769

Minimum Tail ESS = 1011.99

 $R_{0,\,m}$ 



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

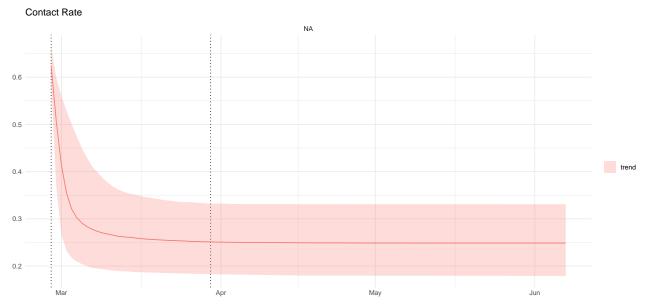
Ribbons represent the 80% credible intervals.

Contact rate function:

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

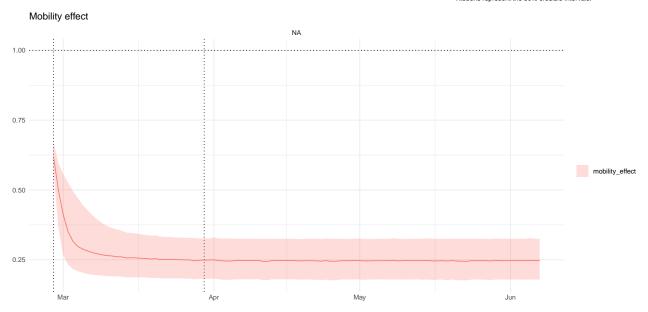
where

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

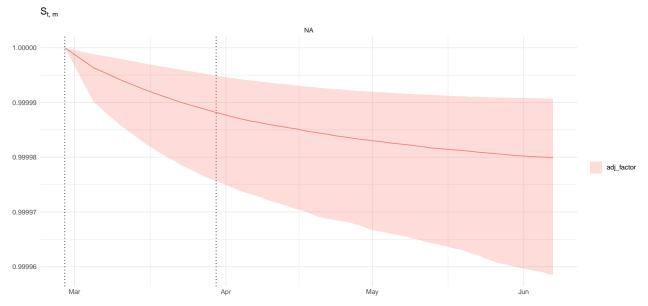


Vertical dotted lines represent the first seeding day and the epidemic start date.

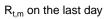
Ribbons represent the 80% credible intervals.

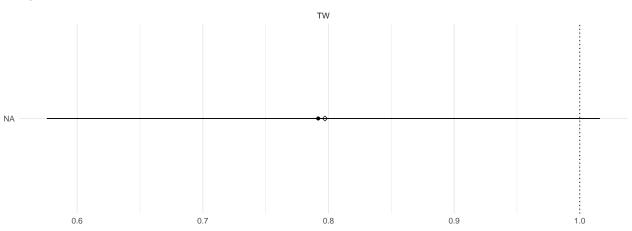


Vertical dotted lines represent the first seeding day and the epidemic start date. Ribbons represent the 80% credible intervals.



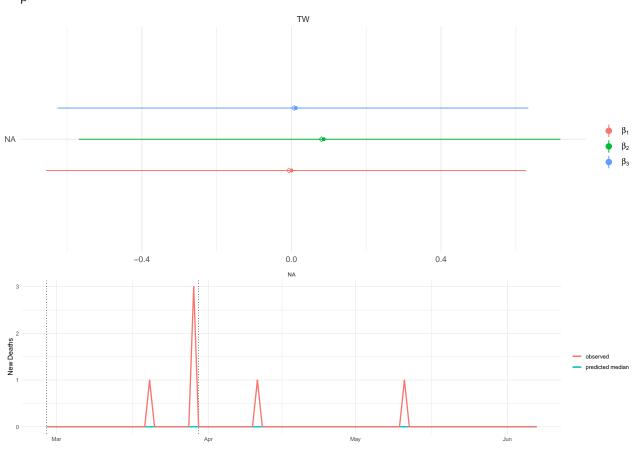
Vertical dotted lines represent the first seeding day and the epidemic start date. Ribbons represent the 80% credible intervals.





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





#### Solid black line: observed new deaths. Grey ribbon: posterior predicted new deaths

#### Imputed Cases

