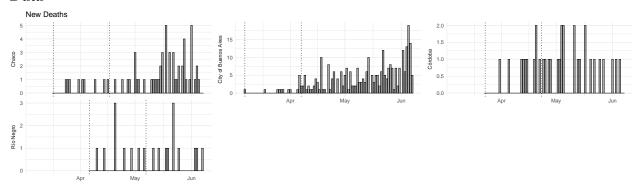
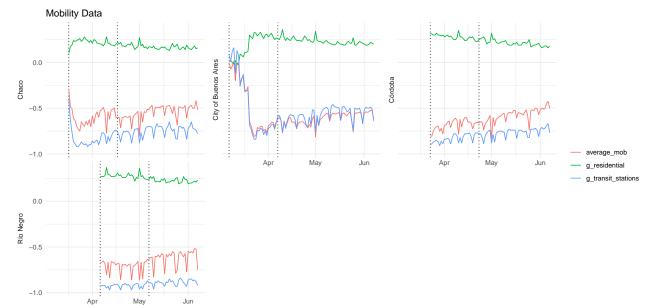
Argentina

Data



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



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

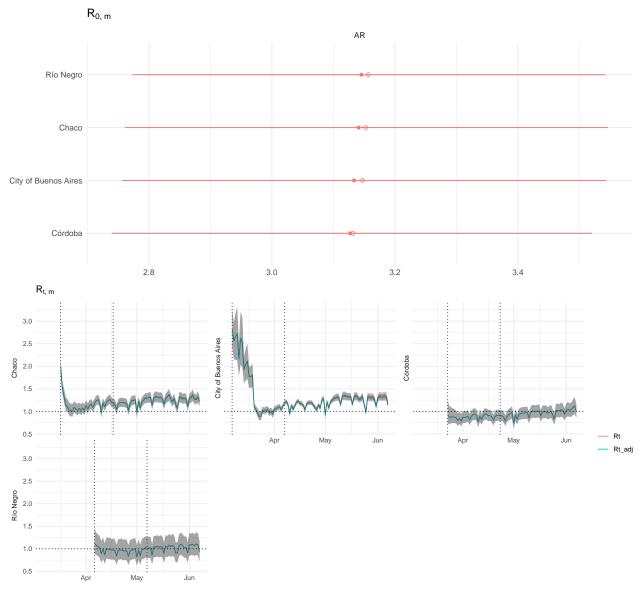
Analysis

Number of divergent transitions = 0

Maximum $\hat{R} = 1.003324$

Minimum Bulk ESS = 1289.606

Minimum Tail ESS = 1888.476



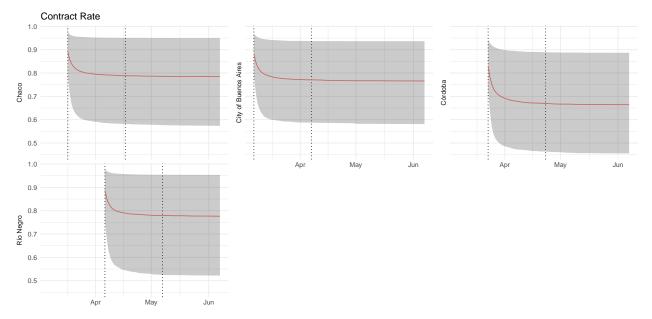
Vertical dotted lines represent the first seeding day and the epidemic start date.

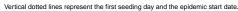
Contact rate function:

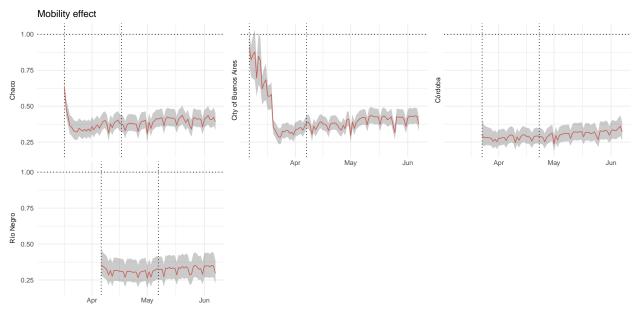
$$cr(t;t^*,\lambda_j,\kappa) = \lambda_j + \frac{1-\lambda_j}{1+\exp(\kappa(t-t^*))}$$

where

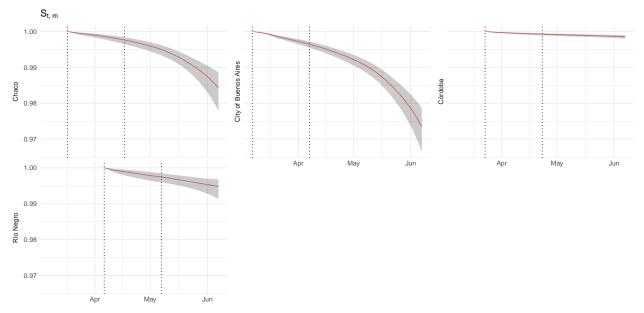
$$\begin{split} &\lambda_{j} \sim \texttt{Beta}(3,1) \\ &\kappa \sim \texttt{NegHalfNormal}(0,1). \end{split}$$



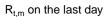


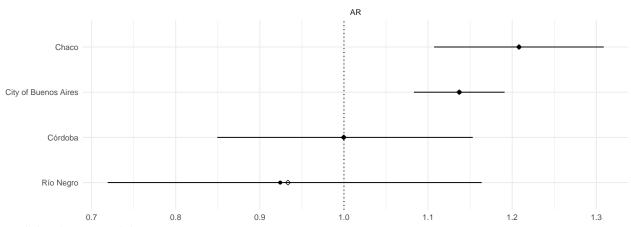


Vertical dotted lines represent the first seeding day and the epidemic start date.

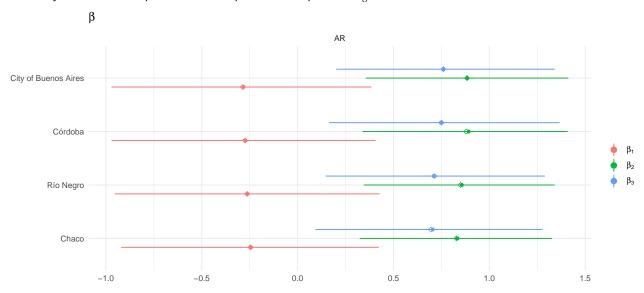


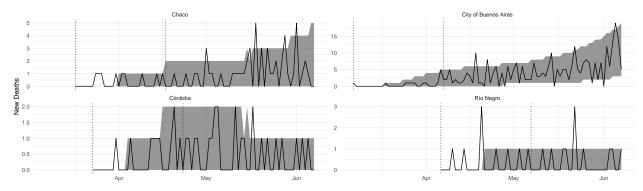
Vertical dotted lines represent the first seeding day and the epidemic start date.





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

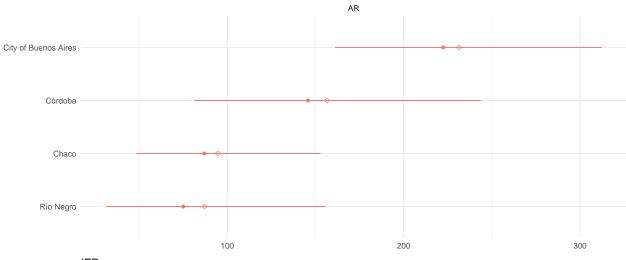




Solid black line: observed new deaths. Grey ribbon: posterior predicted new deaths.

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

Imputed Cases



IFR

