Estimation del la Constante Básica de Reproducción por Municipio y Estado en México

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Este programa estima R_t , la constante básica de reproducción para los municipios y estados de México. En nuestra opinión, una vez entendida la magnitud de la epidemia, R_t representa el comportamiento que debe guiarnos sobre si podemos movernos o debemos quedarnos confinados. Valores de $R_t > 1$ significan que el número de infectados está creciendo exponencialmente, mientras que valores de $R_t < 1$ significan que el número de infectados tiende a ser menor en el tiempo.

El presente programa está basamos en la librería para \mathbf{R} (el lenguaje) EpiEstim, la cual se construye alrededor del trabajo de Cori et al.(2013).

Cori et al. asumieron que la tasa a la que una persona infectada contagia a otras sigue un proceso de Poisson. Enseguida utilizan un proceso de inferencia bayesiano en donde asumen un prior en la forma de una distribución Gamma, lo cual resulta en un posterior que también sigue una distribución Gamma. Este documento describe la media y desviación estándar resultante como elemento más verosímil del comportamiento y la incertidumbre del estimado. Siguiendo la recomendación de Cori et al. solo calculamos R_t cuando el número de casos es mayor a 12 infectados. Además, siguiendo un estudio de periodicidad propio, calculamos τ como una semana. Finalmente, usando la investigación de Aghaali et al. (2020) asignamos una media de 4.55 y una desviación estándar de 3.30 al prior Gamma. Notando que la caracterización del intervalo serial varía ampliamente y posiblemente requiera valores que reflejen la dinámica del país (Griffin et al. 2020).

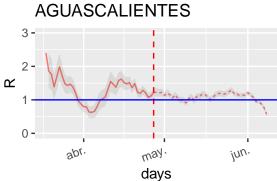
Para construir los gráficos, para cada entidad bajo análisis, comparamos los registros entre el conjunto de datos más actual y el día anterior. Luego, encontramos la fecha más remota en la que hubo un cambio de un día para otro en el número de casos confirmados. Finalmente, mostramos una línea discontinua vertical en esa fecha y a partir de ahí una línea discontinua para el resto de las fechas. La estimación de R_t que proporcionamos tiene la media y desviación estándar en ese momento.

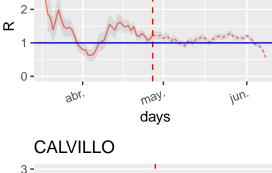
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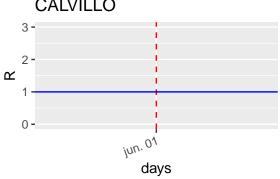
These are the daily confirmed positives for COVID-19. The horizontal line indicates the date and the vertical one, the daily incidence.

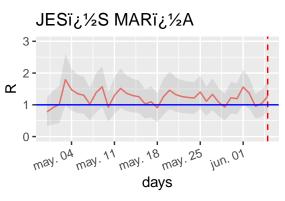
The following figure plots the estimated value of R_t for the given epidemic curve. SI is the serial interval, the probability distribution for the period between the onset of the symptoms in the case and its infector.

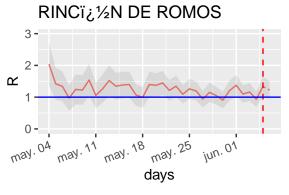
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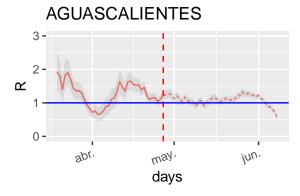


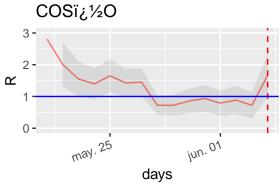


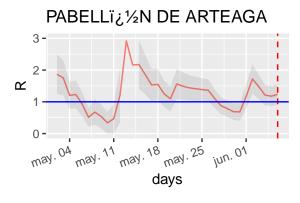


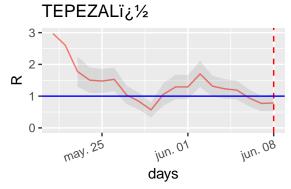




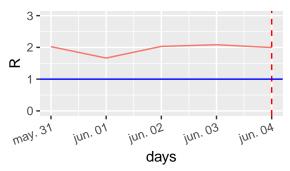






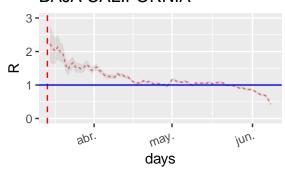


SAN FRANCISCO DE LOS RON

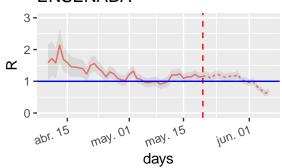


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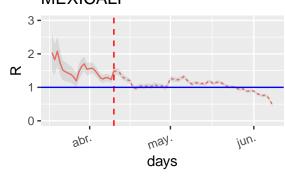
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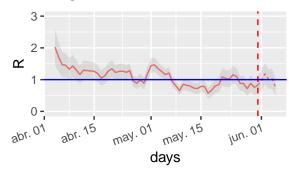
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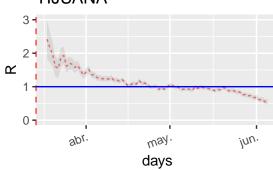
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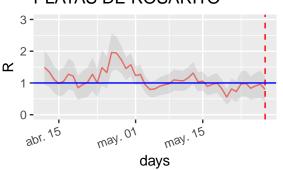
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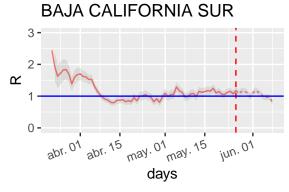
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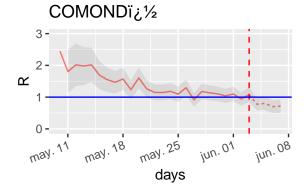


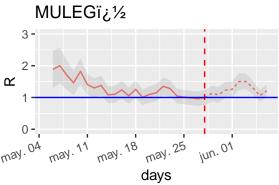
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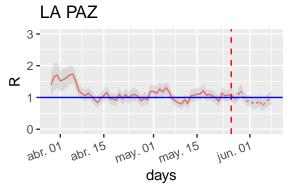


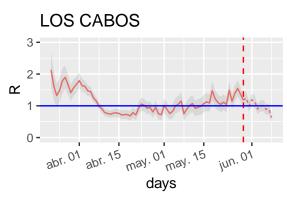
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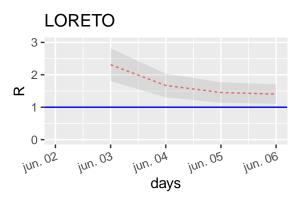




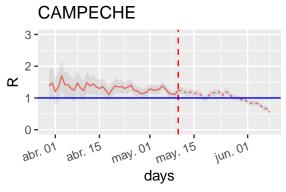


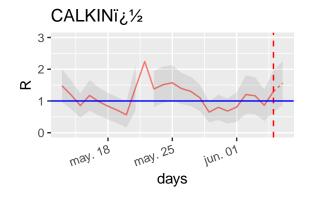


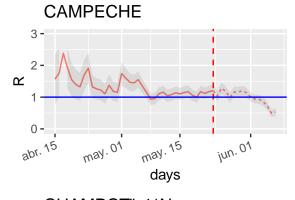


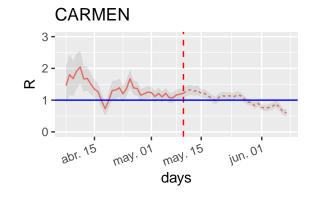


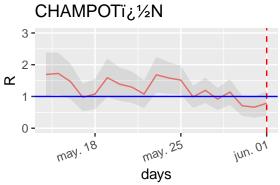


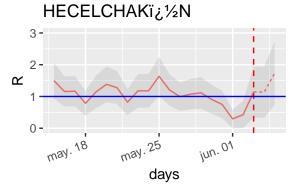


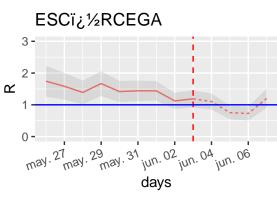


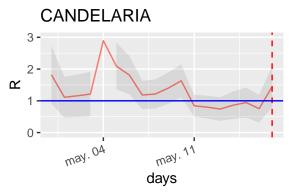




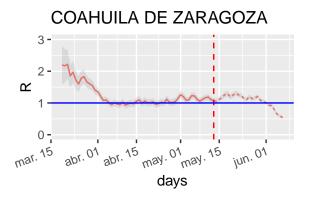


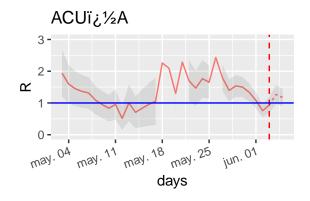


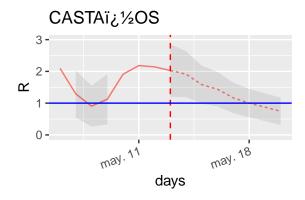


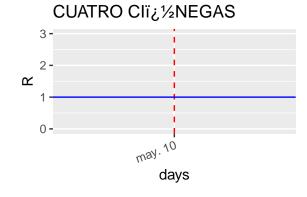


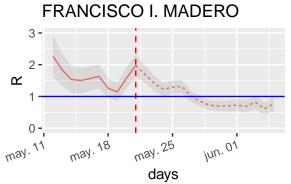


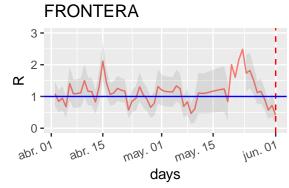


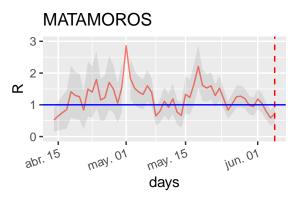


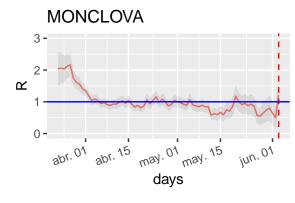


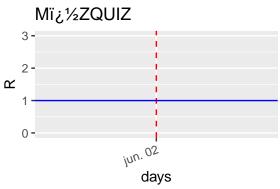


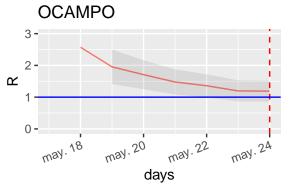


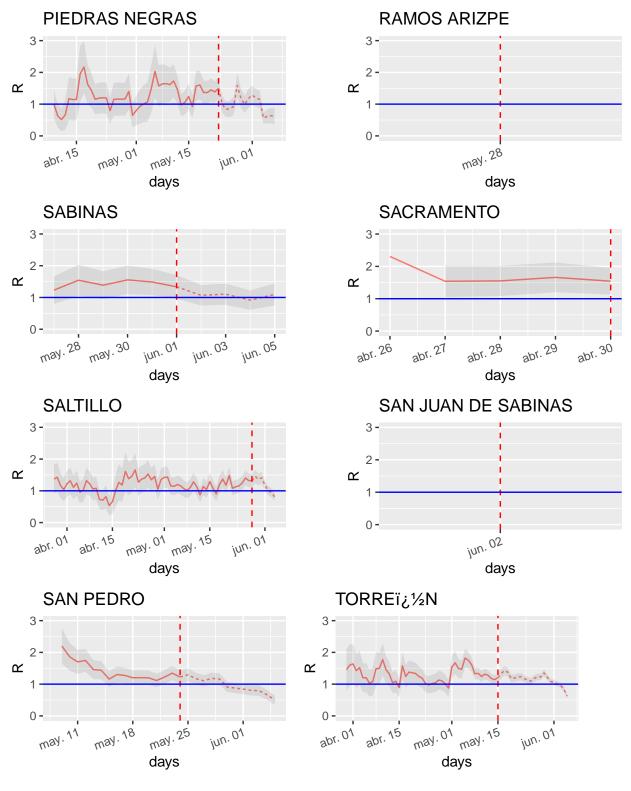




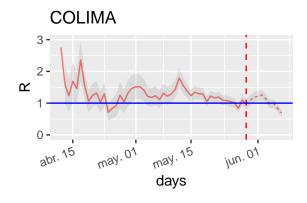


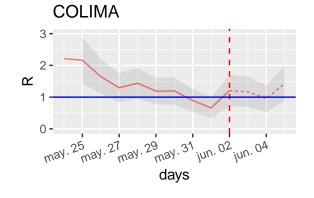


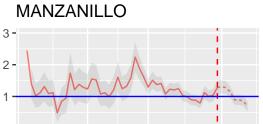


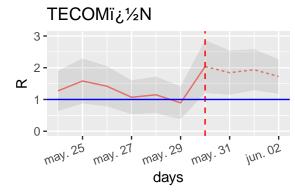


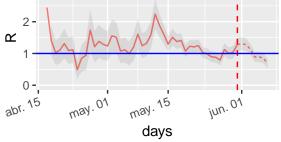
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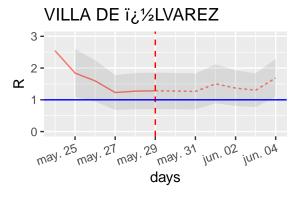


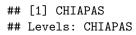


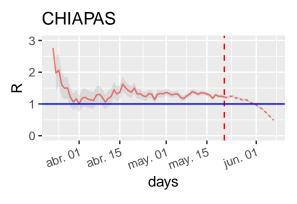


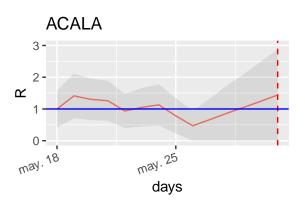


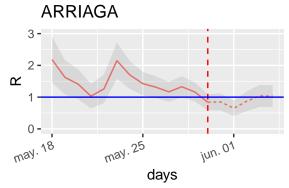




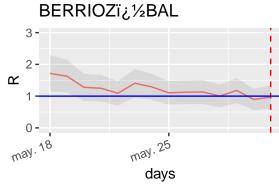


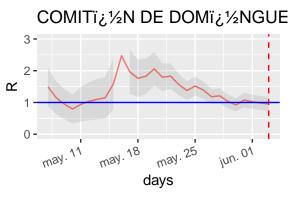


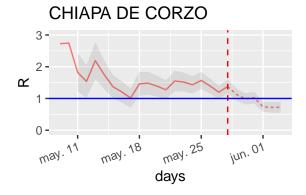


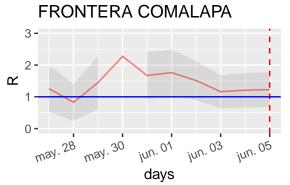


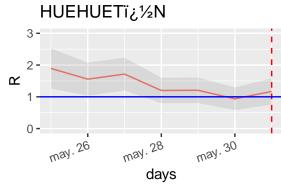


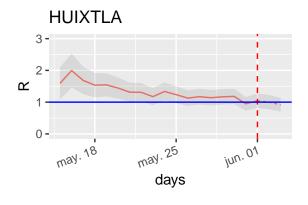


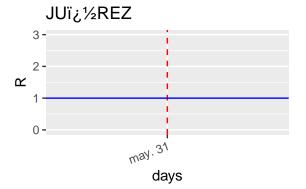


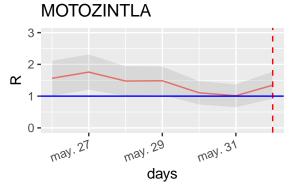


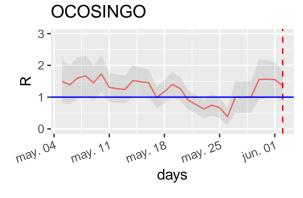


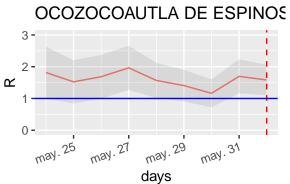


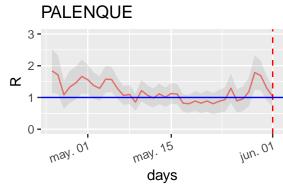


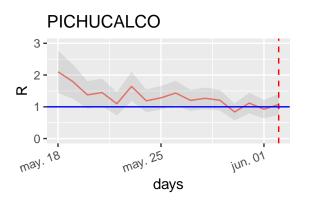


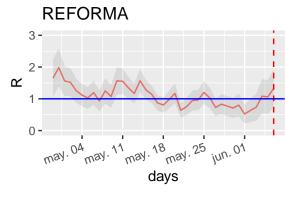


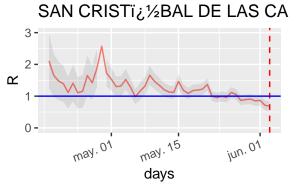


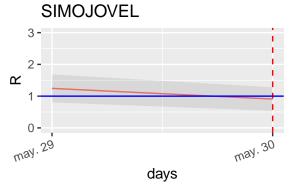


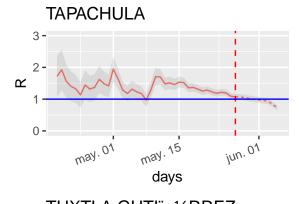


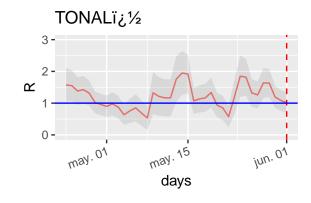


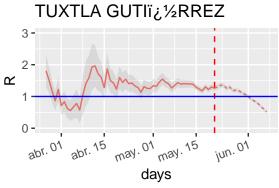


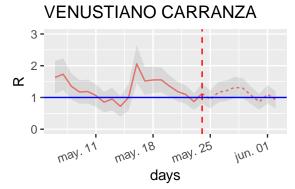


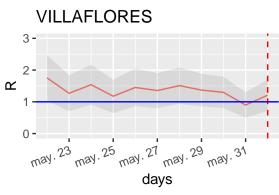


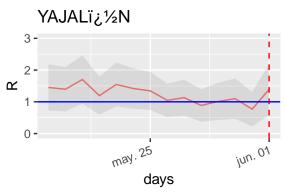


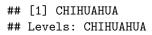


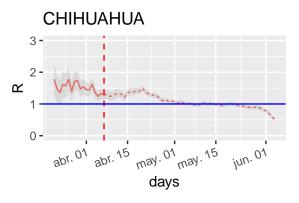


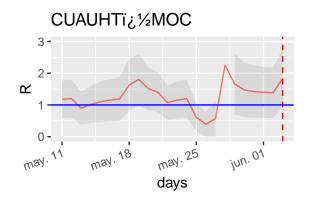


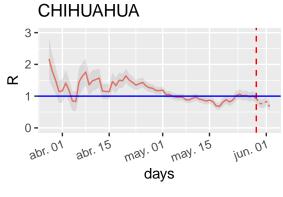


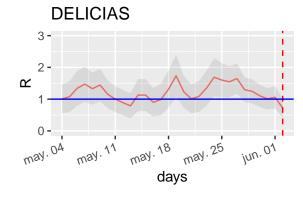




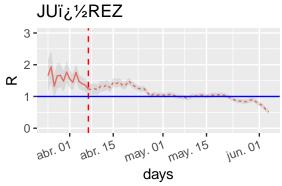


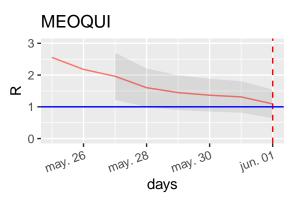


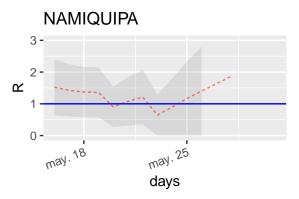


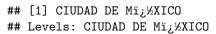


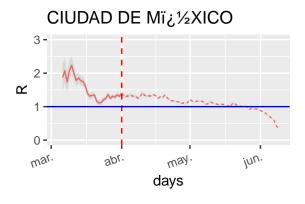


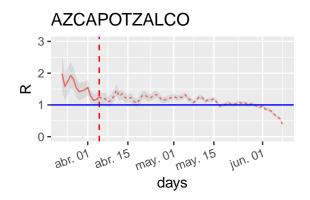


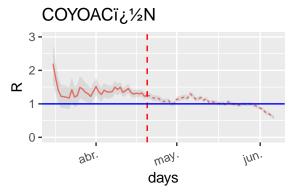


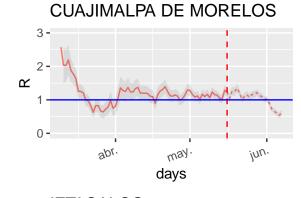


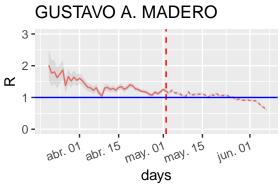


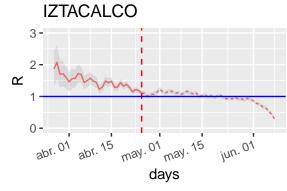


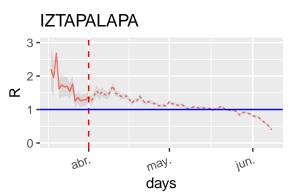


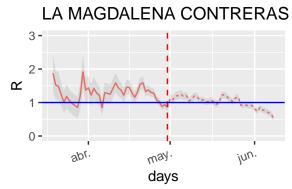


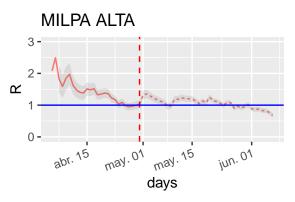


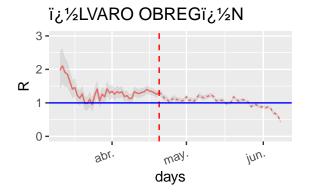


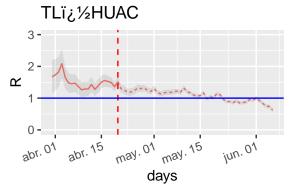


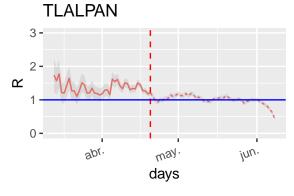


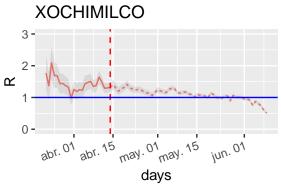


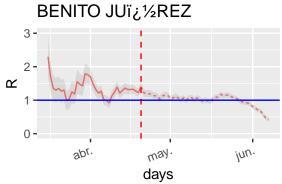


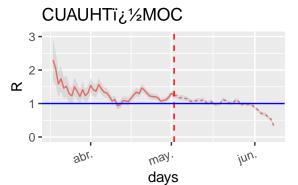


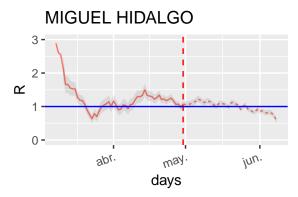




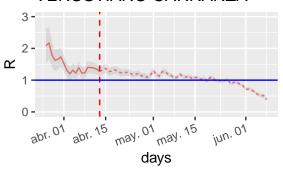




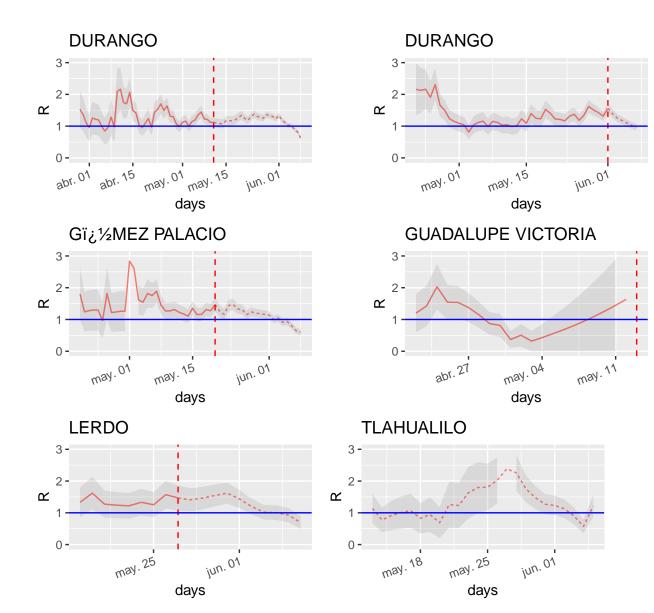


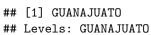


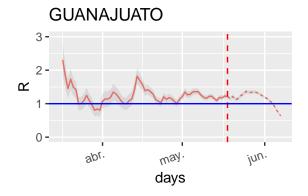
VENUSTIANO CARRANZA

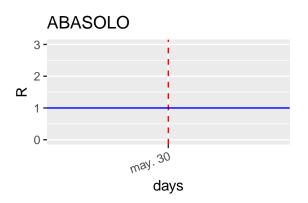


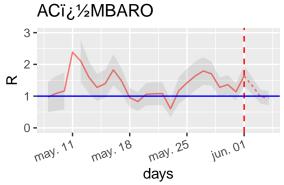
[1] DURANGO
Levels: DURANGO

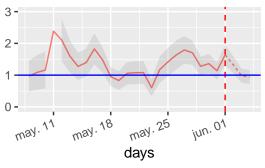


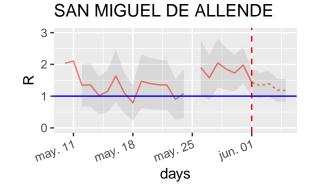


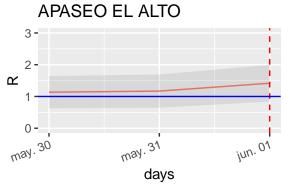


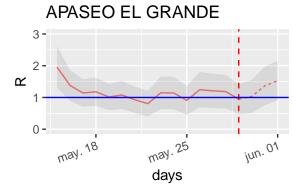


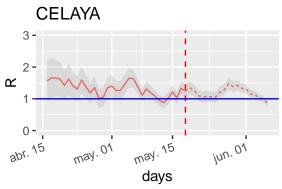


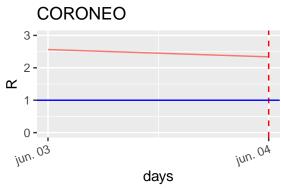


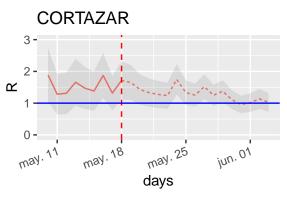


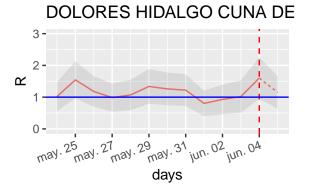


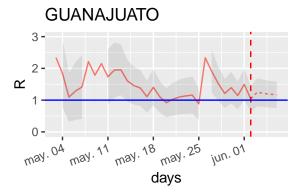


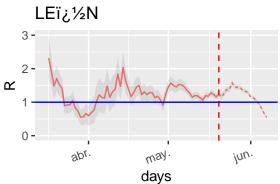


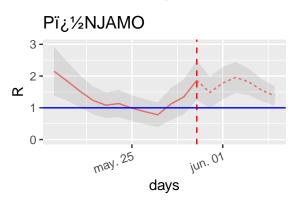


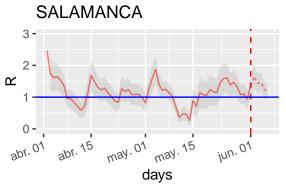


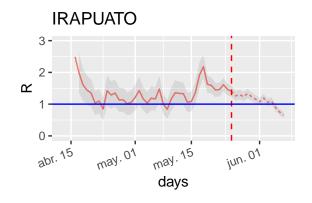


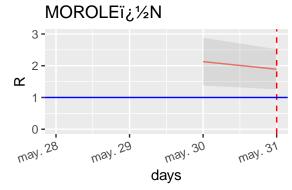


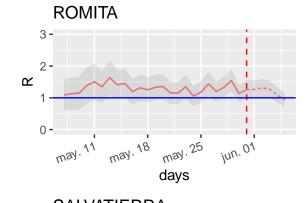


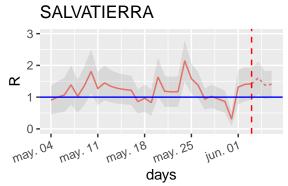


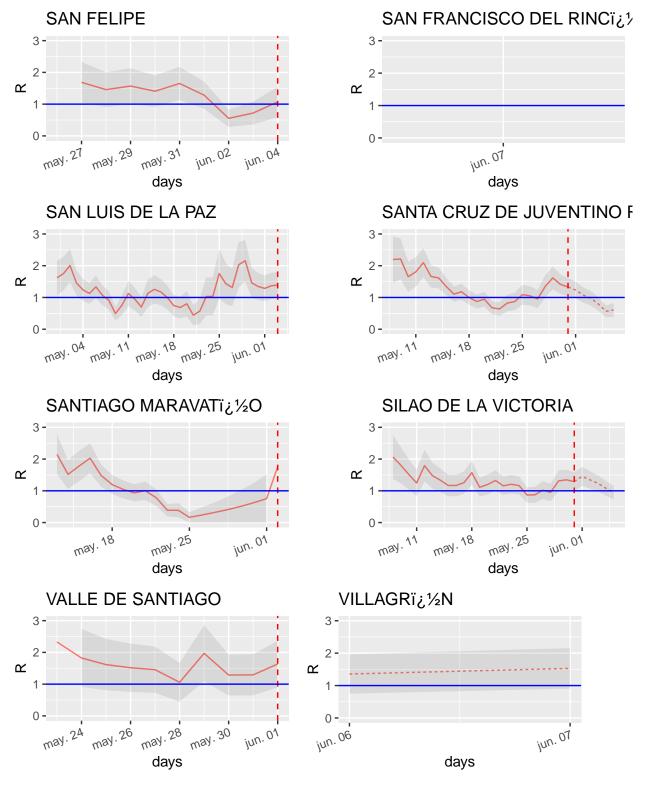




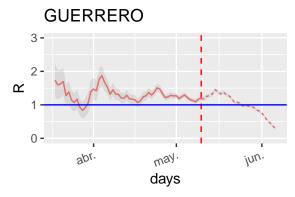


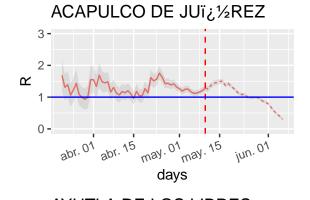


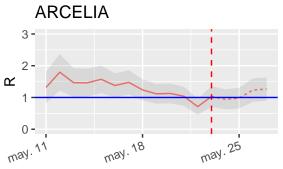




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Levels: GUERRERO



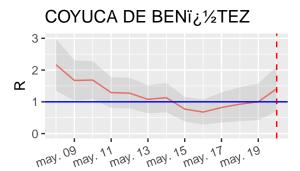




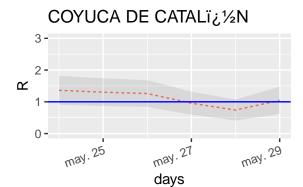
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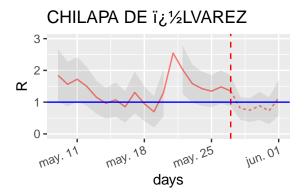


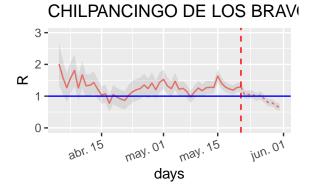
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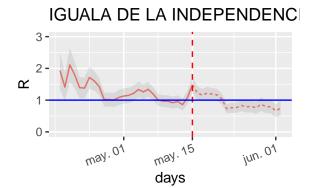


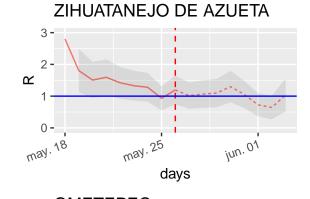
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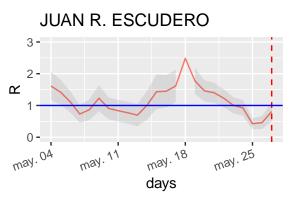


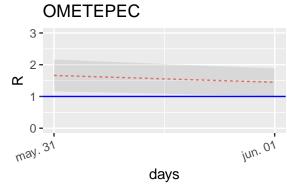


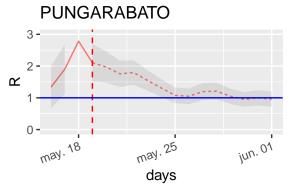


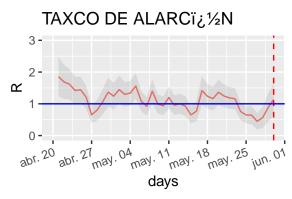


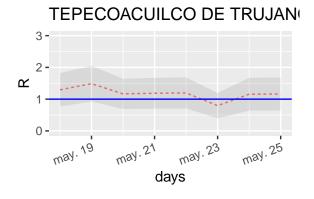


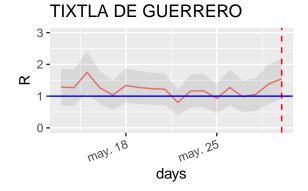


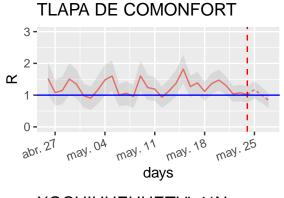


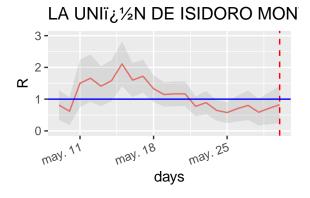


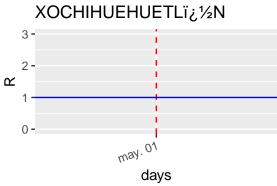


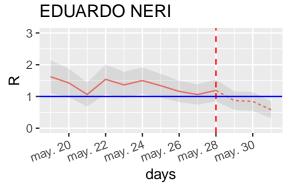


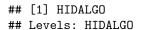


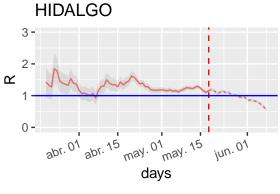


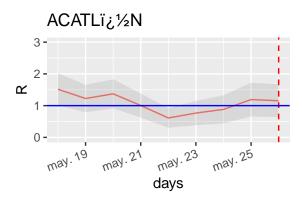


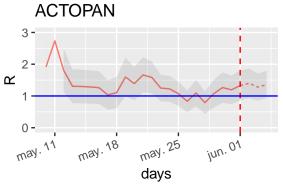


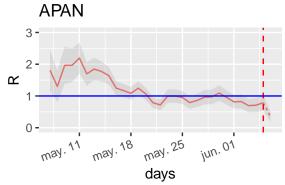


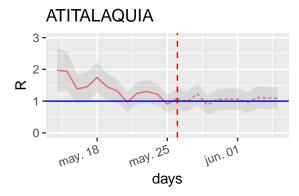


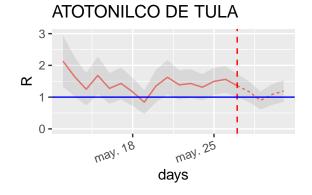




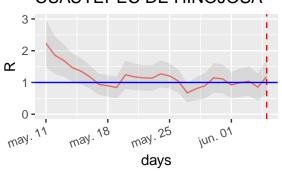






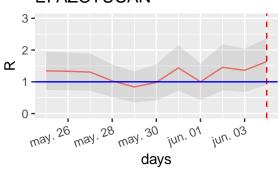


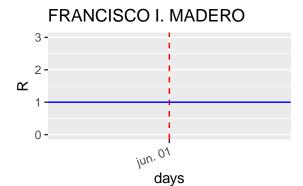




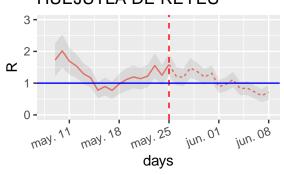


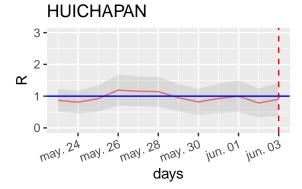
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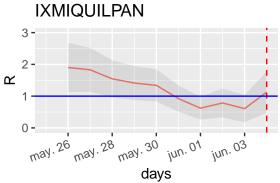


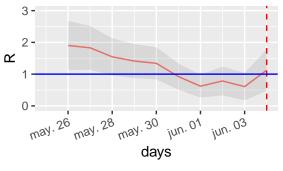


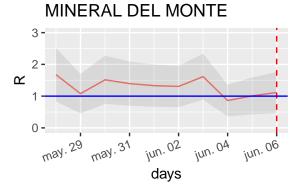
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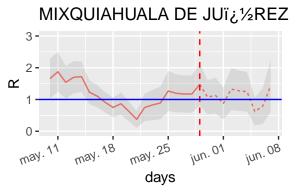


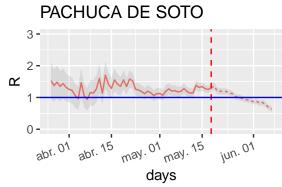


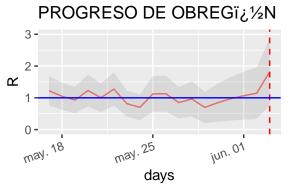


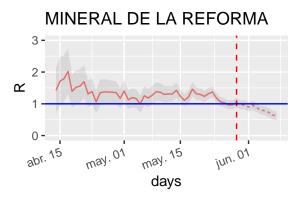


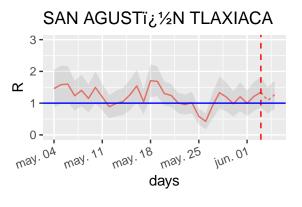


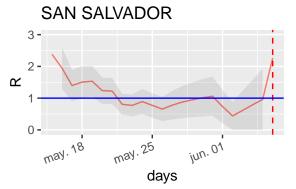


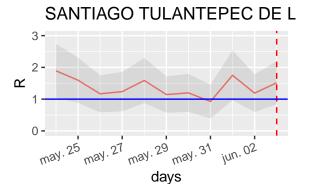


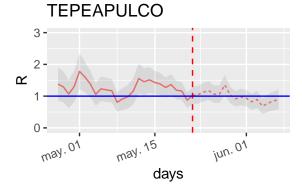


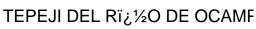


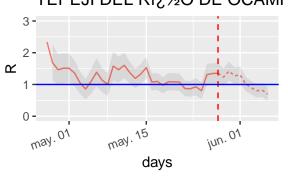




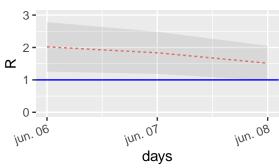




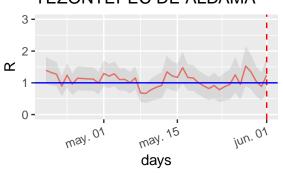




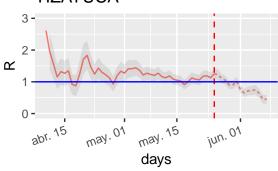




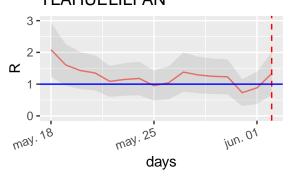
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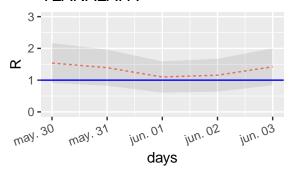
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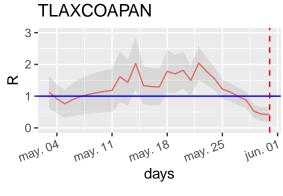


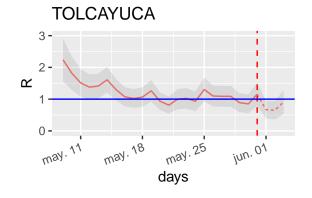
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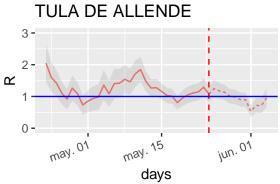


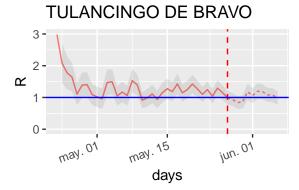
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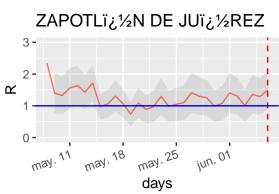


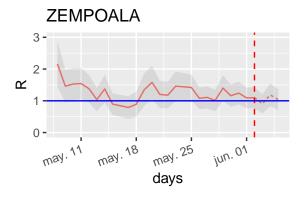


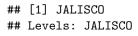


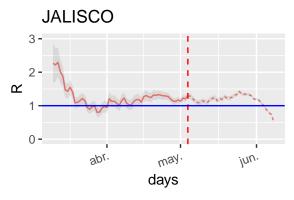


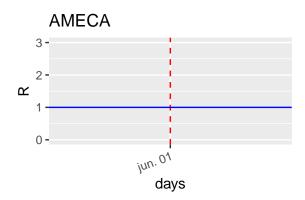


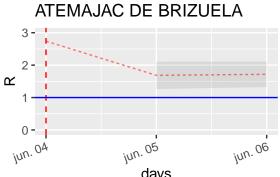


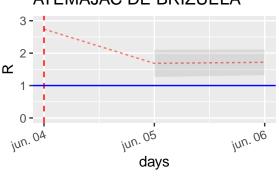


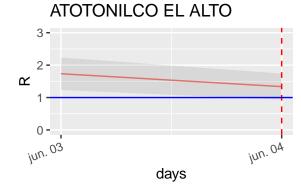


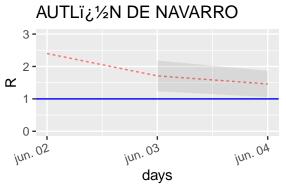


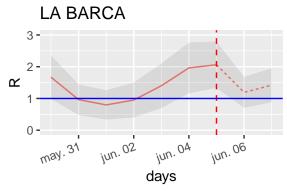


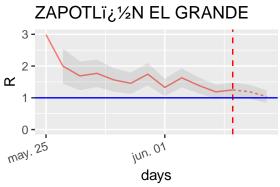


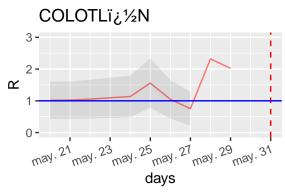


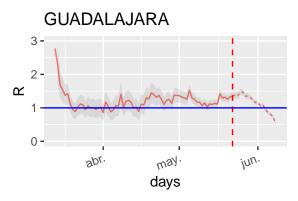


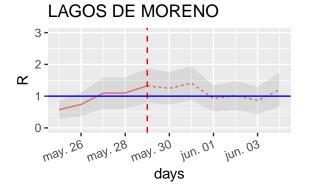


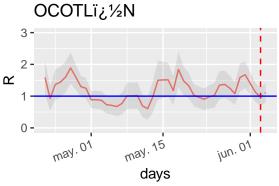


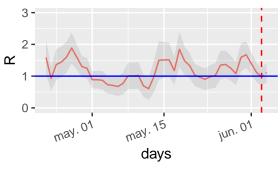


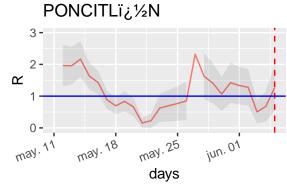


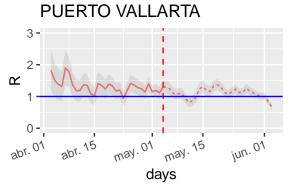


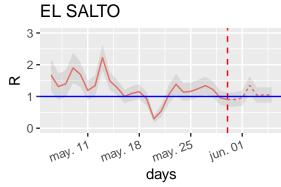


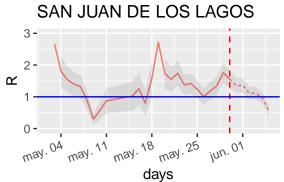


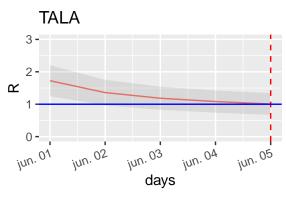


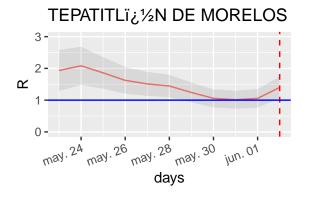


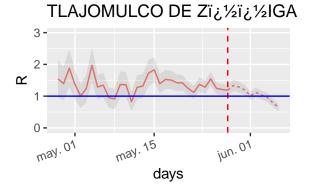




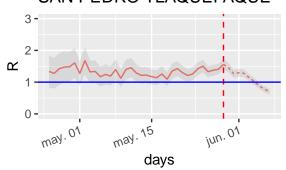






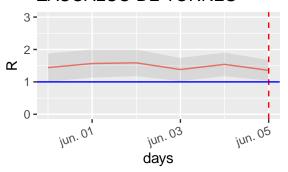


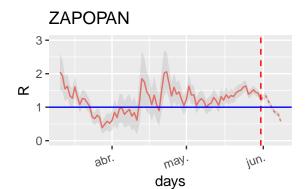
SAN PEDRO TLAQUEPAQUE



TONAL� 32210abr. 15 may. 01 may. 15 i.i.m. 01

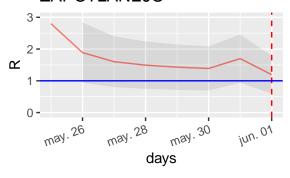
ZACOALCO DE TORRES





days

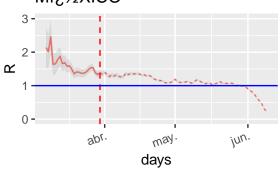
ZAPOTLANEJO



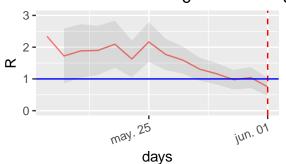
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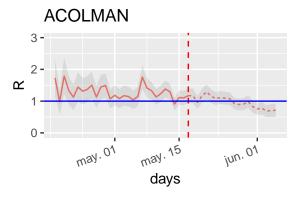
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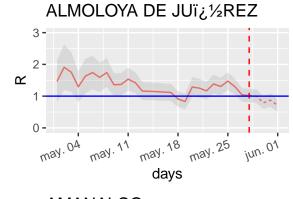


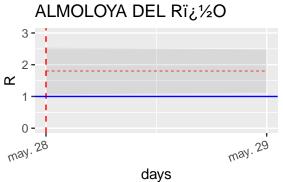


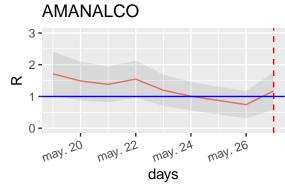
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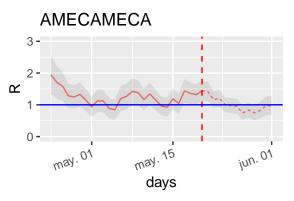


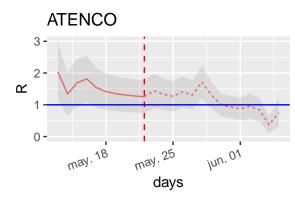


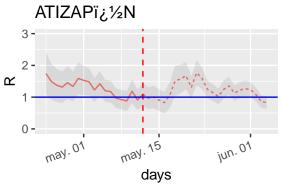


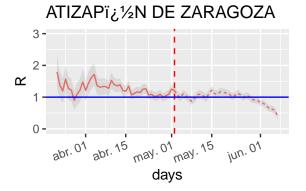


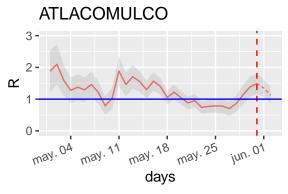


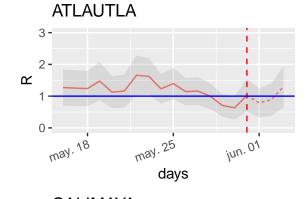


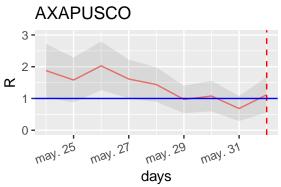


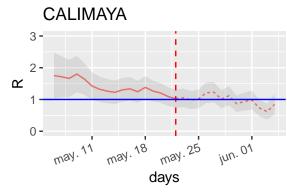


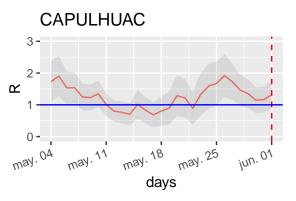


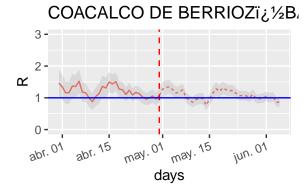


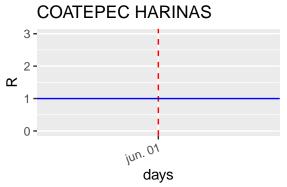


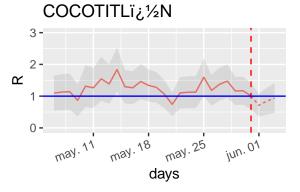


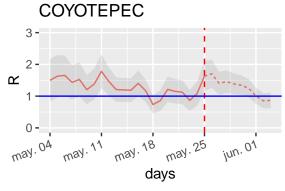


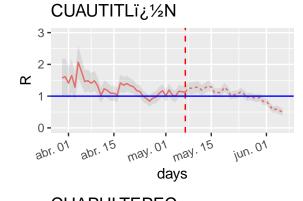


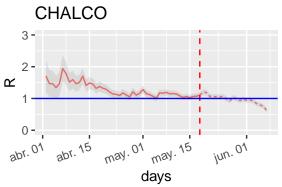


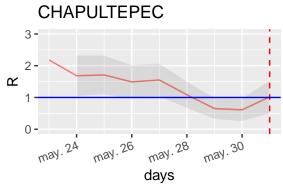


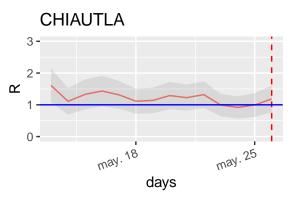


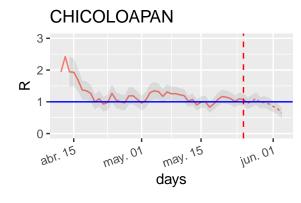


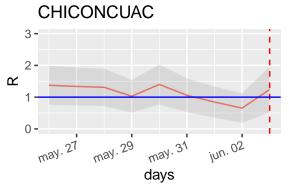


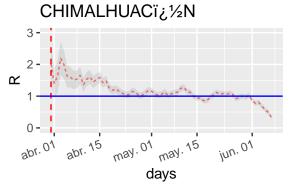


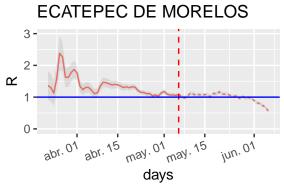


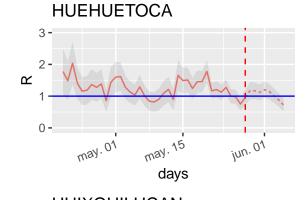


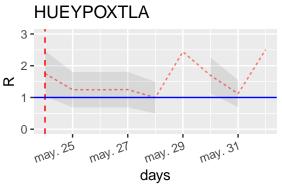


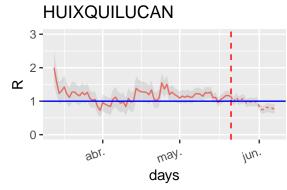


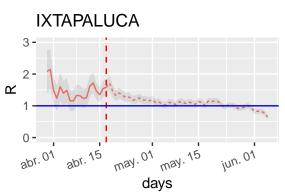


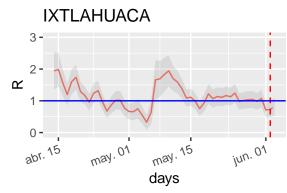


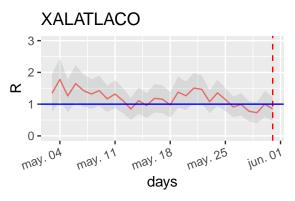


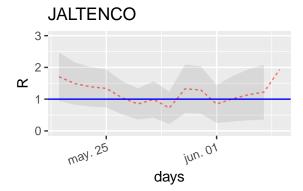


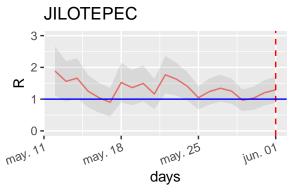


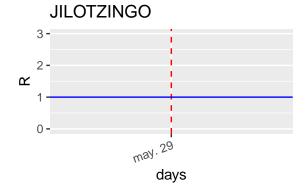


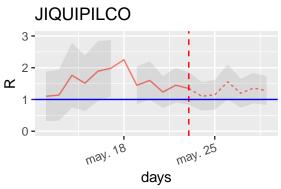


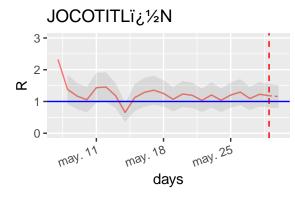


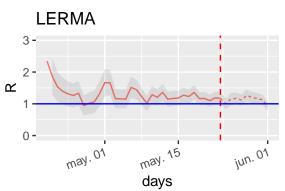


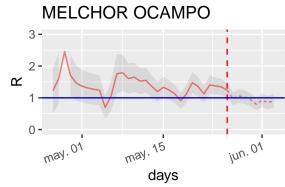


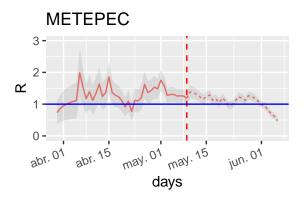


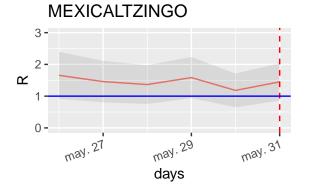


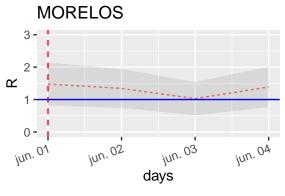


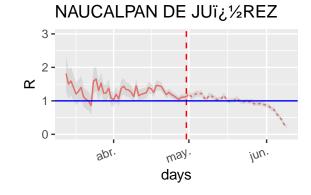


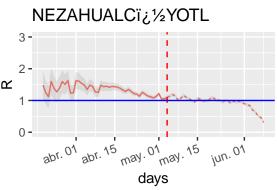


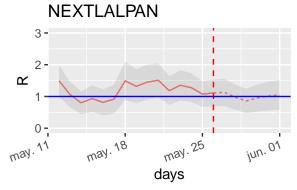


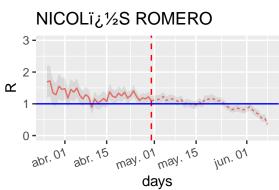


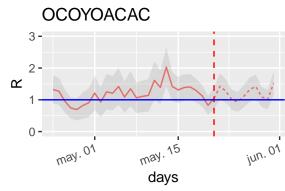


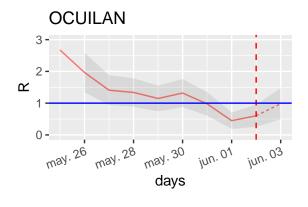


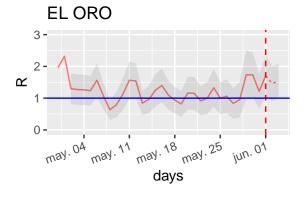


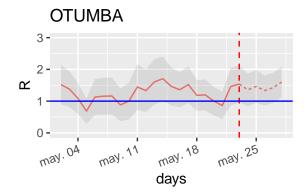


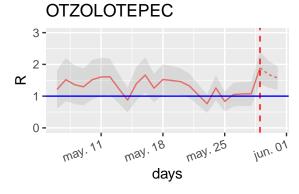


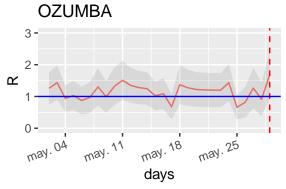


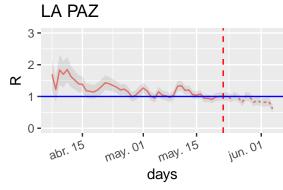


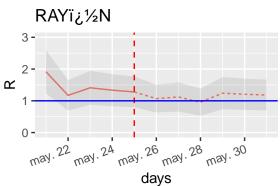


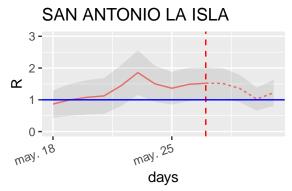


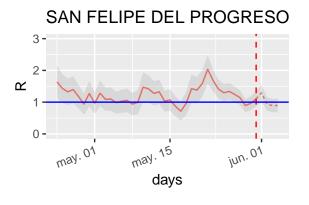


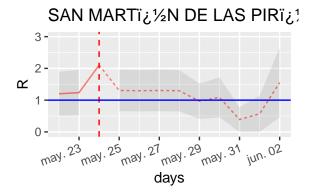


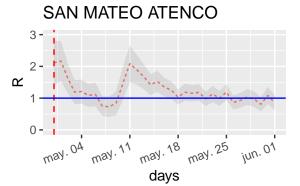


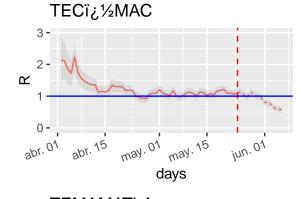


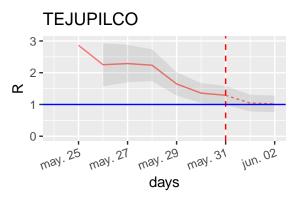


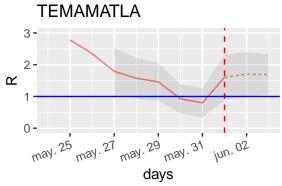


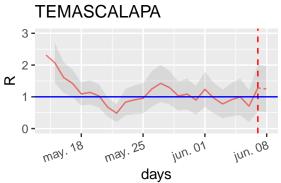


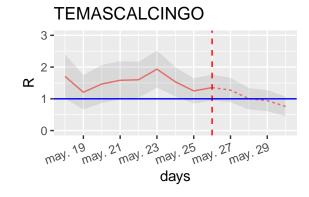


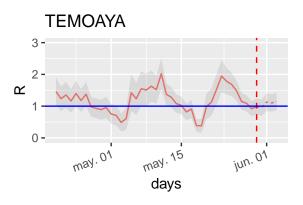


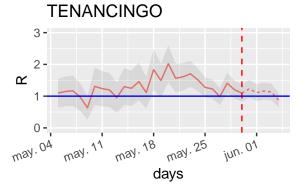


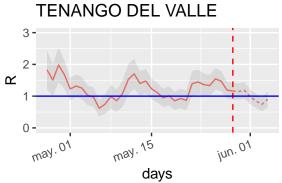


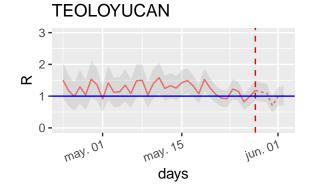


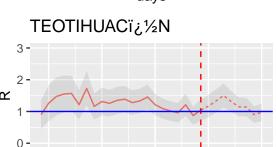


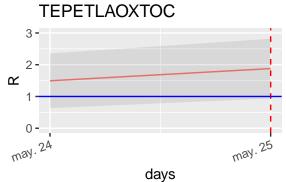


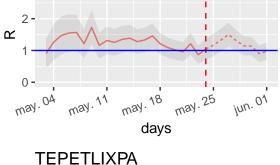


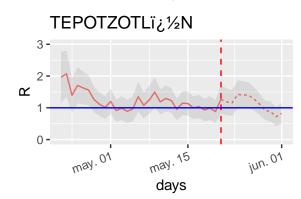


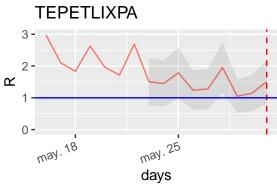


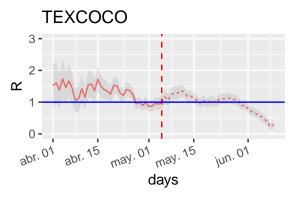


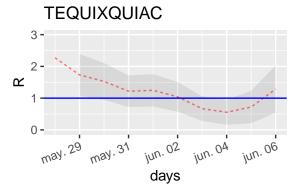


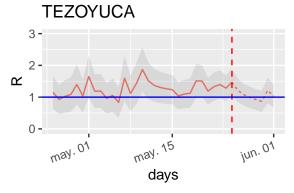


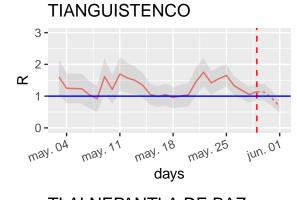


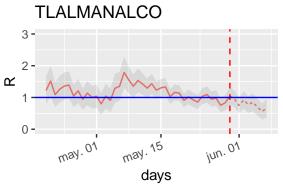


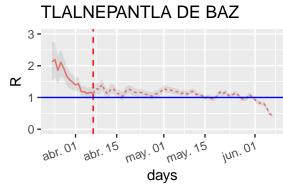


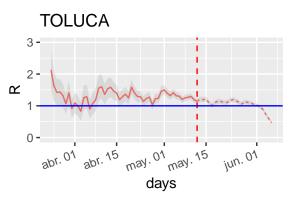


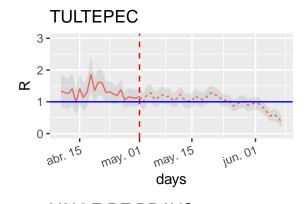


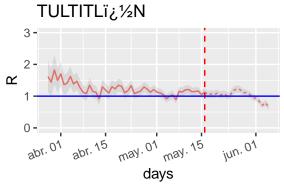


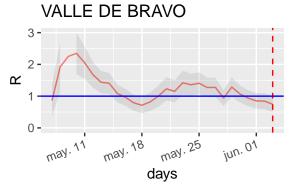


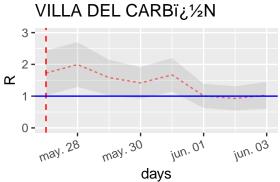


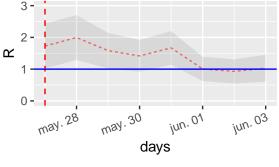


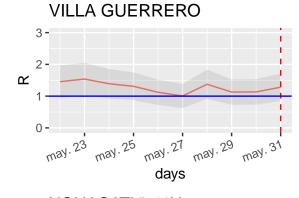




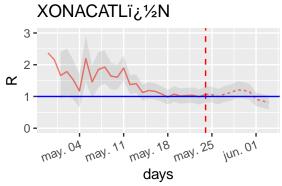


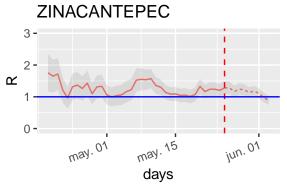


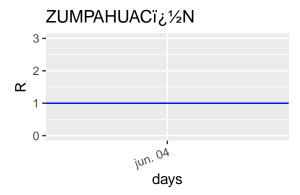


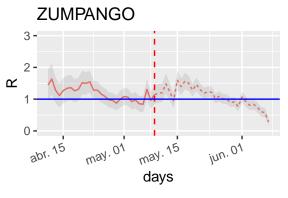


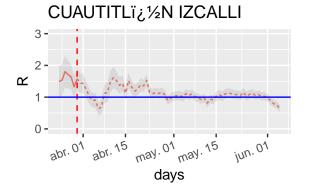








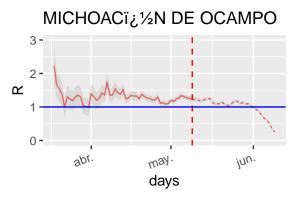


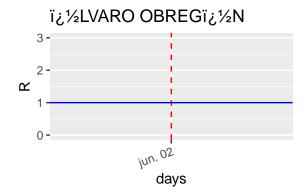


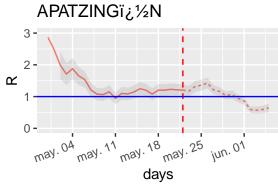
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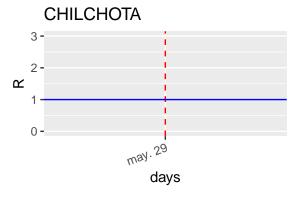
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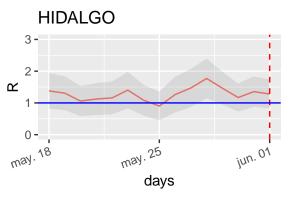
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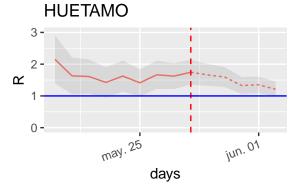


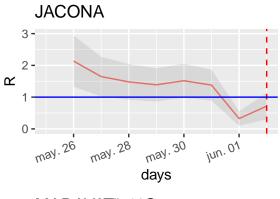


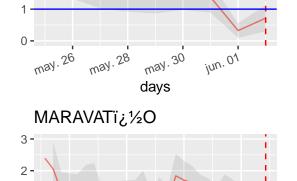


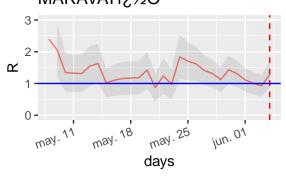


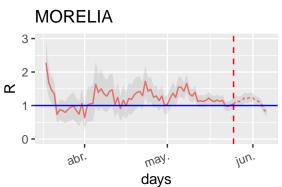


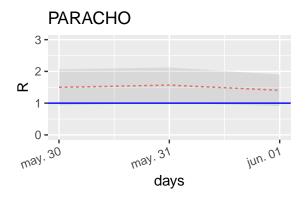


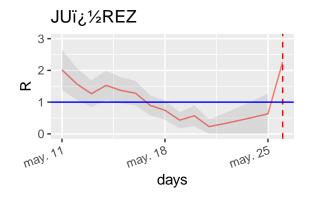


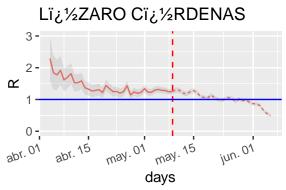


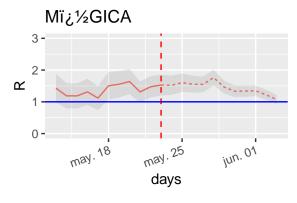


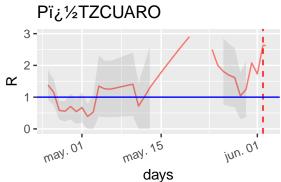


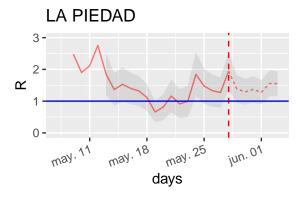


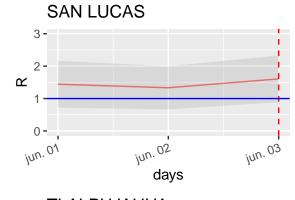


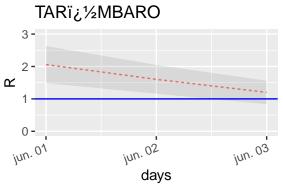


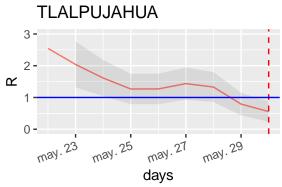


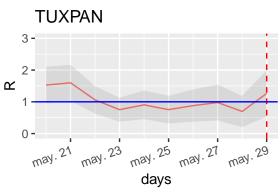


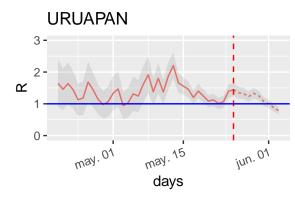


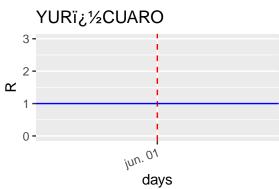


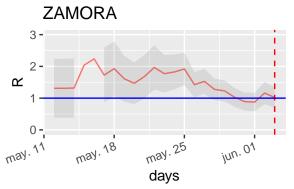


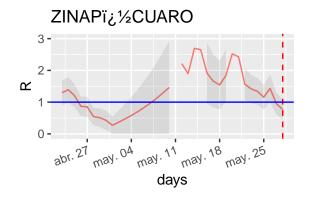


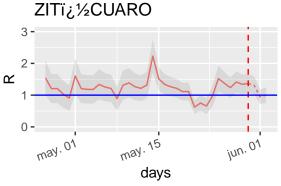




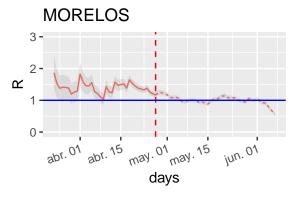


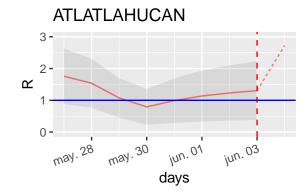


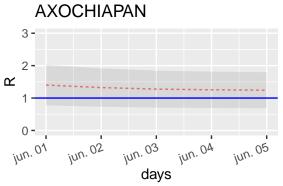


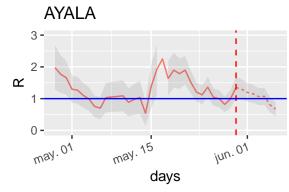


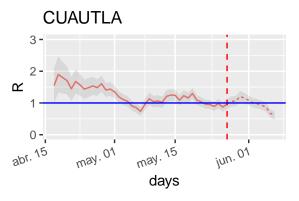
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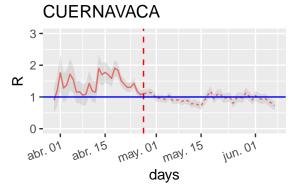


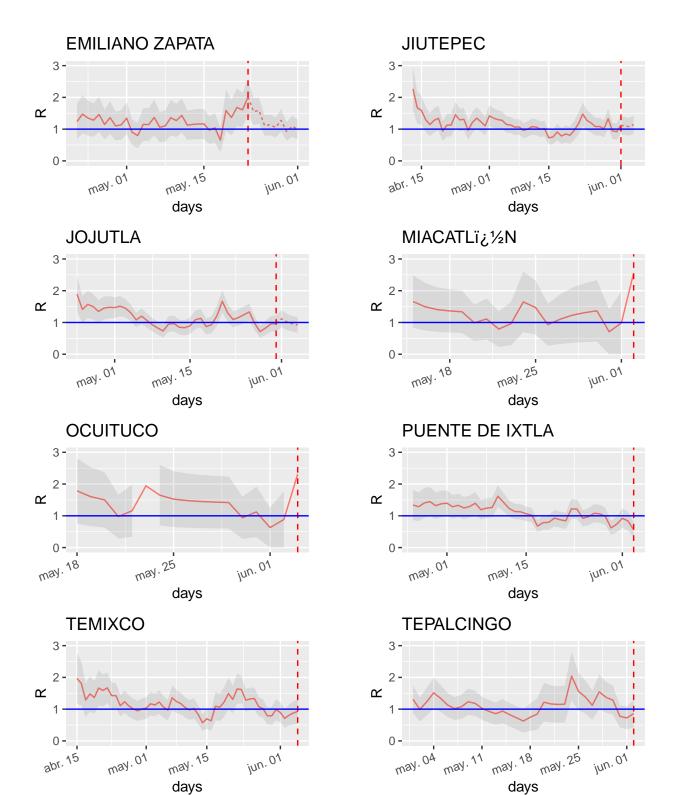




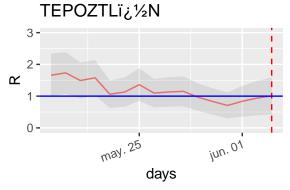




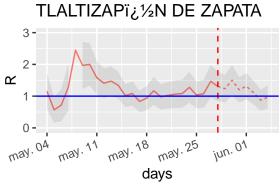


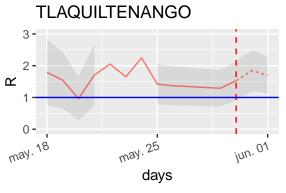


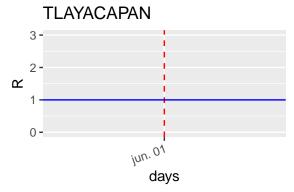
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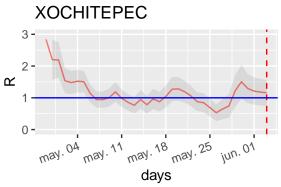


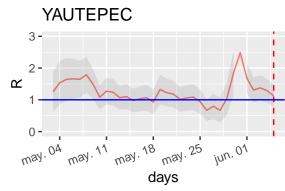


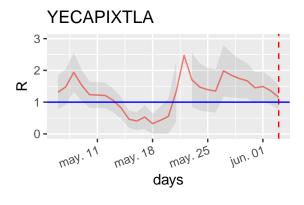


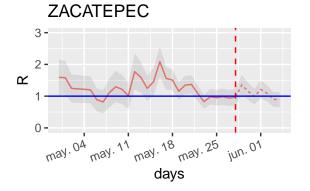


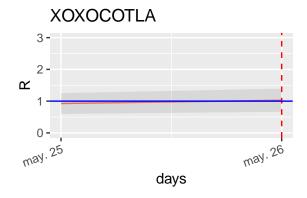




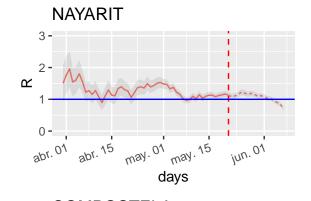


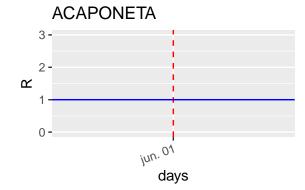


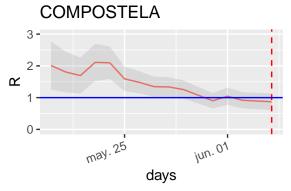


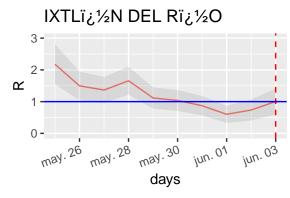


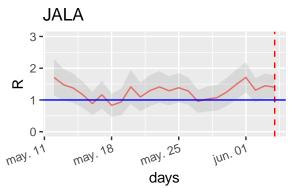
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Levels: NAYARIT

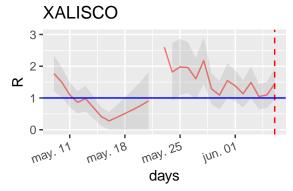


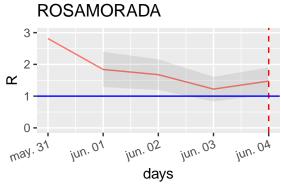


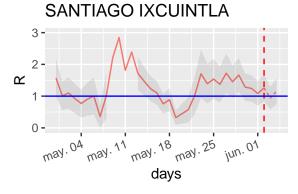


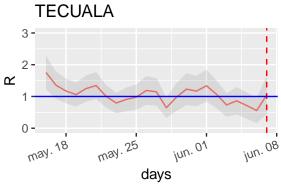


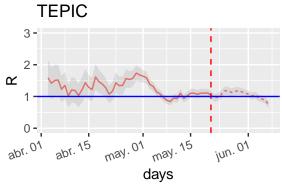


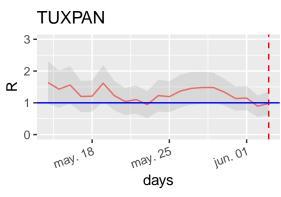


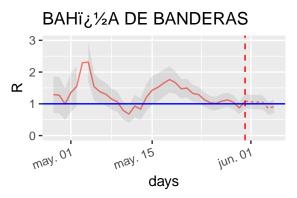


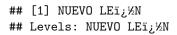


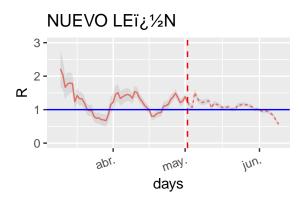


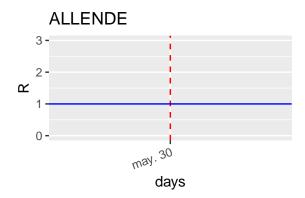


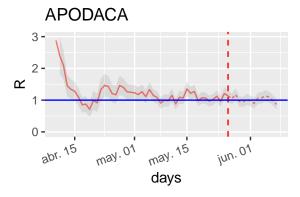


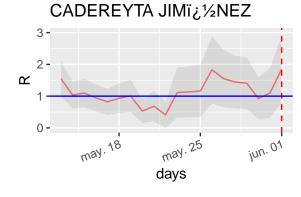


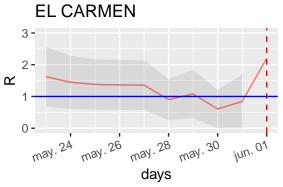


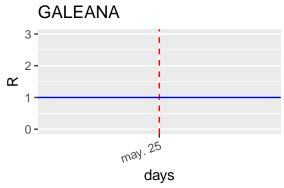


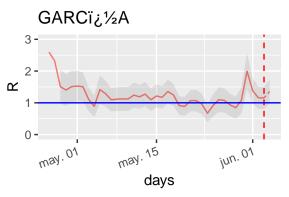


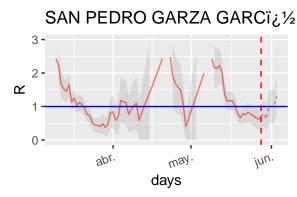


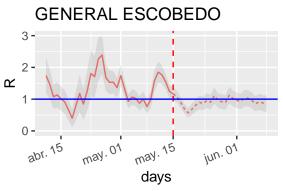


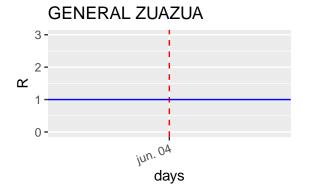


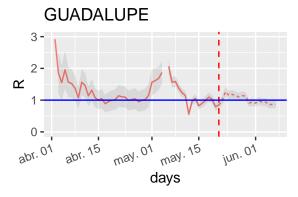


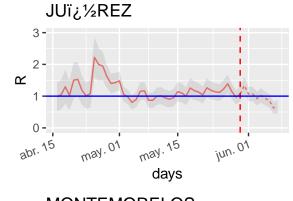


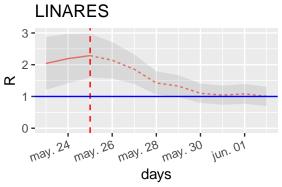


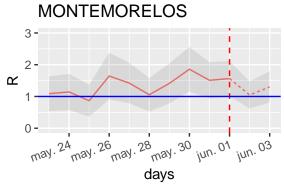


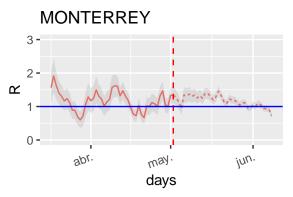


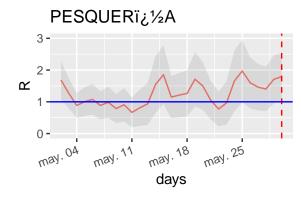


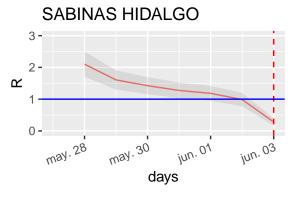


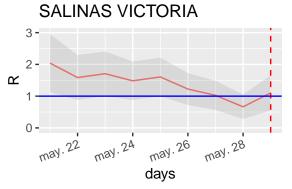




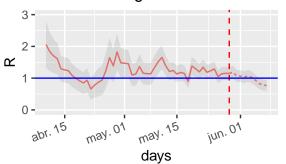




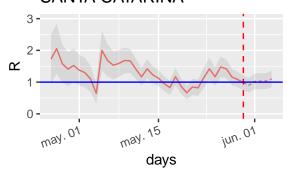




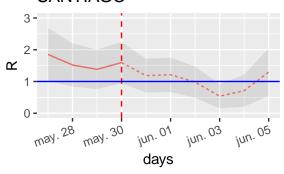
SAN NICOLϿ1/2S DE LOS GARZ



SANTA CATARINA

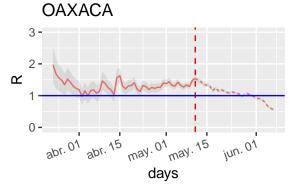


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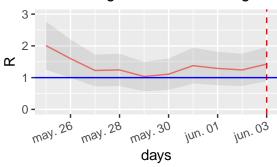


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Levels: OAXACA

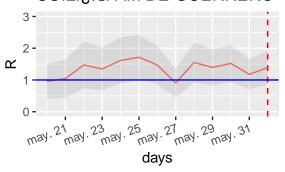
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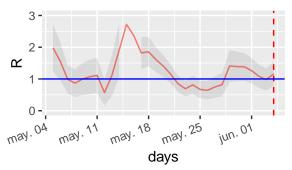
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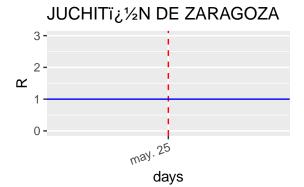


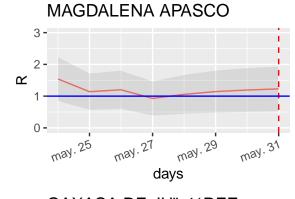
CUIL�PAM DE GUERRERO

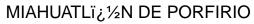


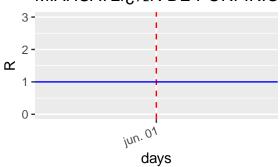
HEROICA CIUDAD DE HUAJUA

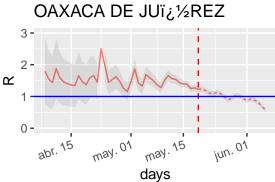




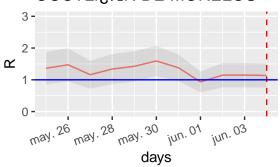


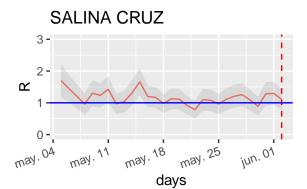




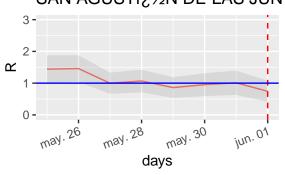


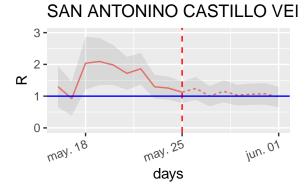
OCOTL�N DE MORELOS



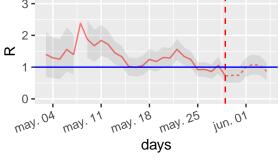


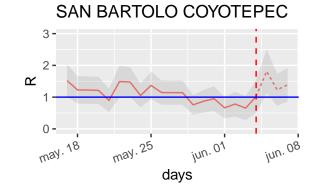
SAN AGUST�N DE LAS JUN

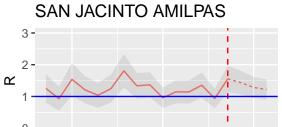


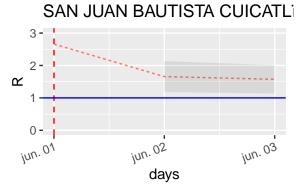




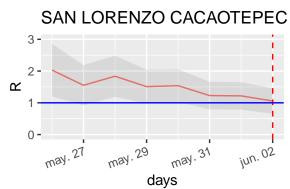




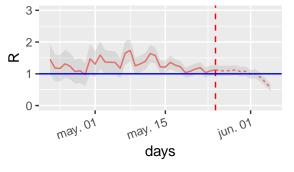




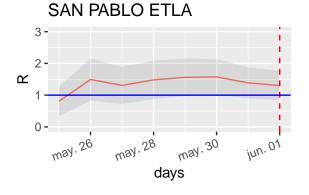


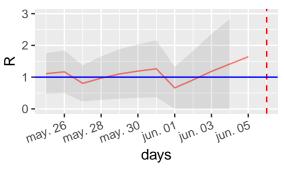




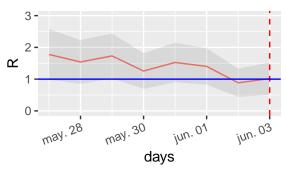




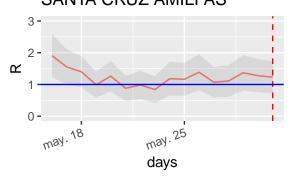




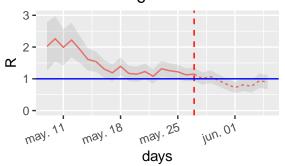




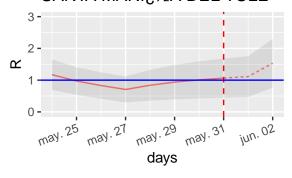
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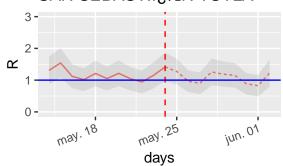
SANTA LUCϿ1/2A DEL CAMINO



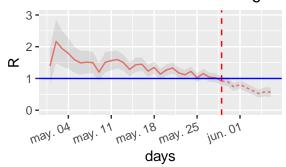
SANTA MARϿ1/2A DEL TULE



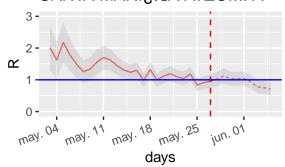
SAN SEBASTIÏ¿½N TUTLA



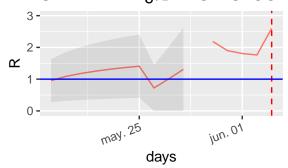
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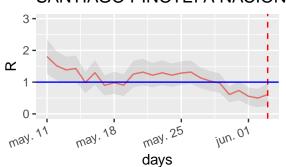
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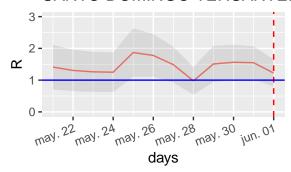
SANTA MARϿ1/2A HUATULCO



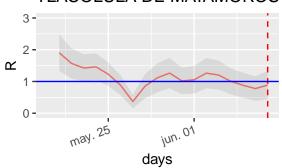
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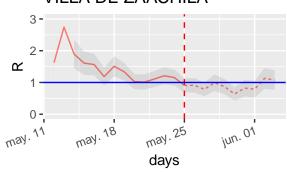
SANTO DOMINGO TEHUANTEI



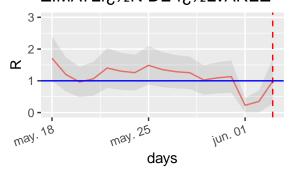
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VILLA DE ZAACHILA

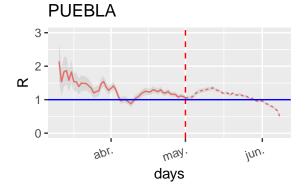


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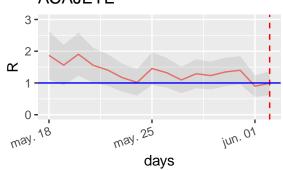


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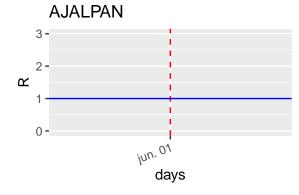
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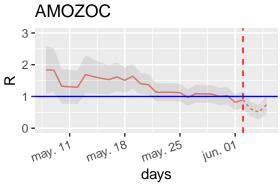


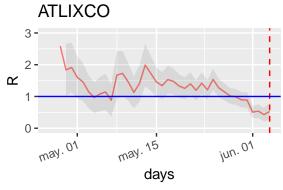
ACAJETE

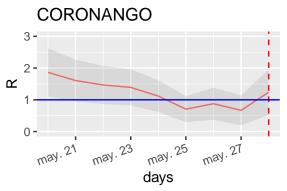


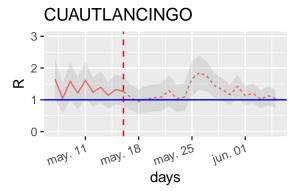


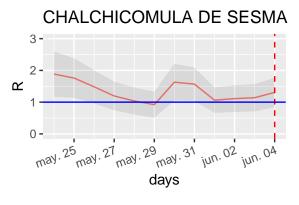


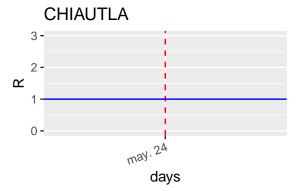


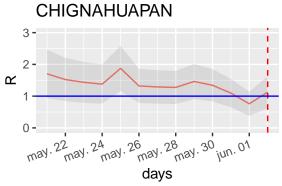


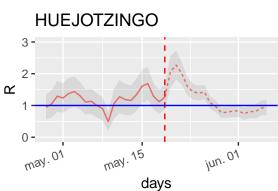


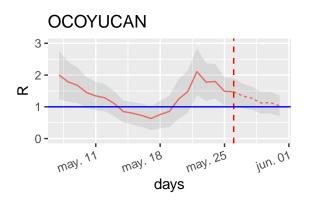




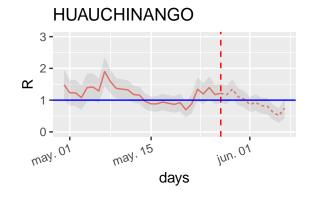


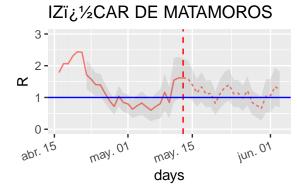


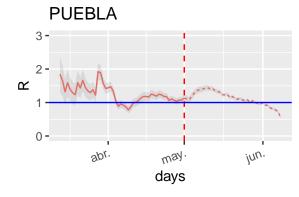


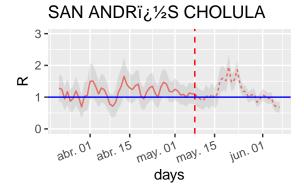


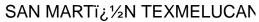


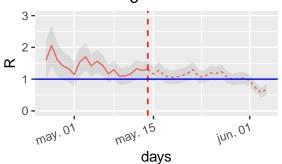




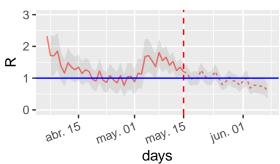




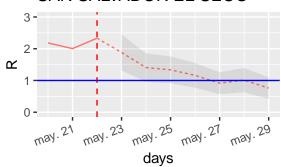




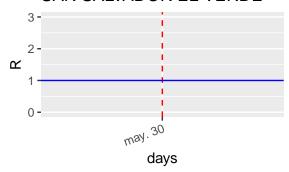
SAN PEDRO CHOLULA



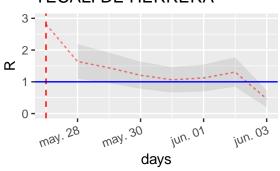
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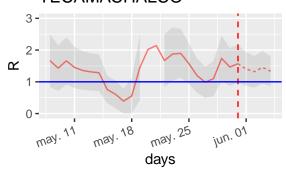
SAN SALVADOR EL VERDE



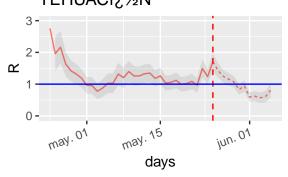
TECALI DE HERRERA



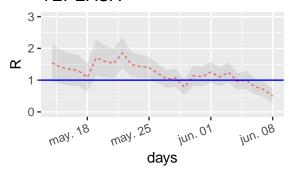
TECAMACHALCO

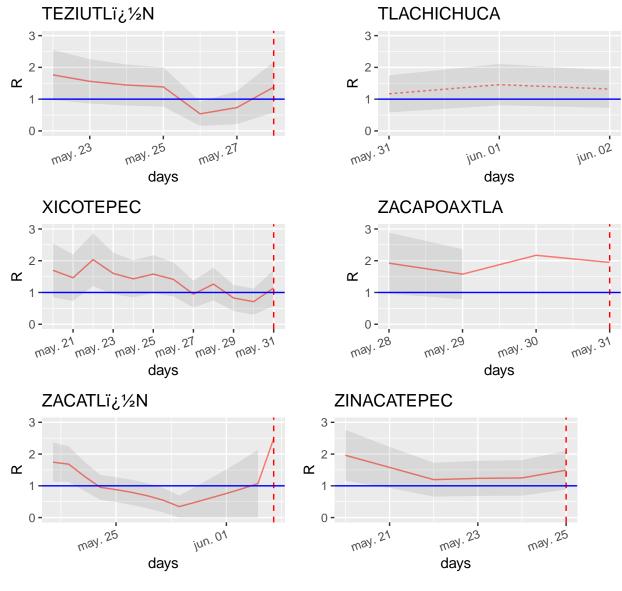


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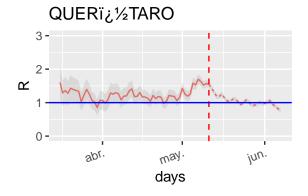


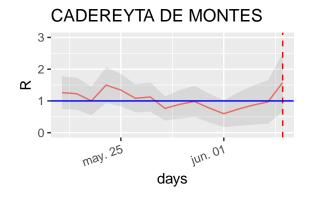
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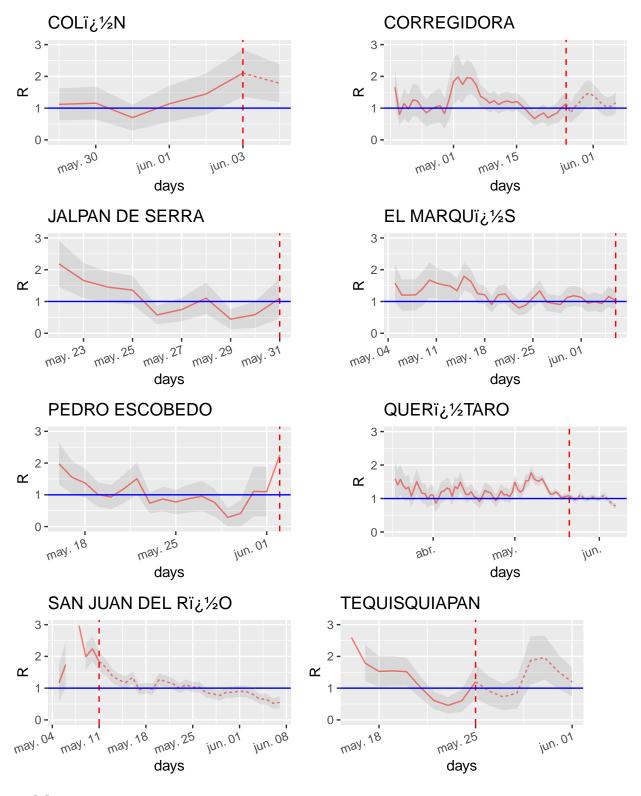




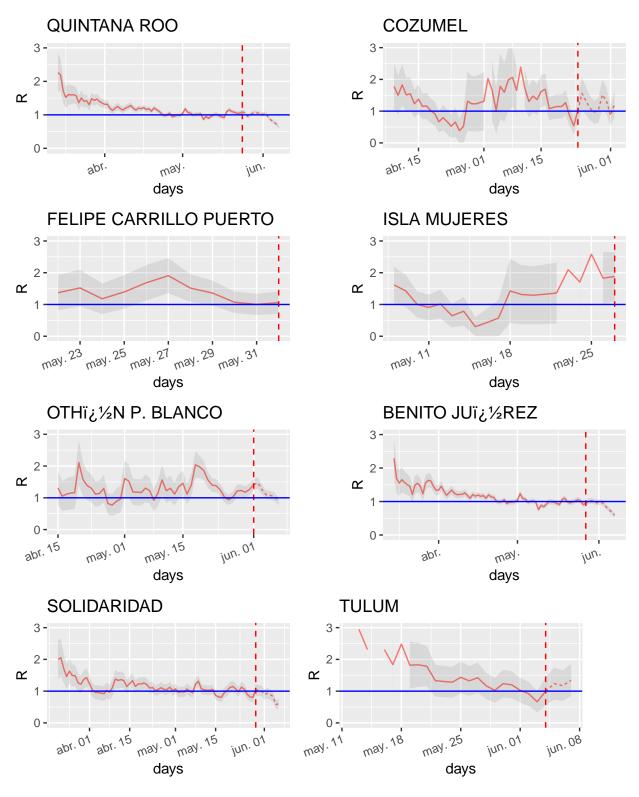
[1] QUERï¿%TARO ## Levels: QUERï¿%TARO



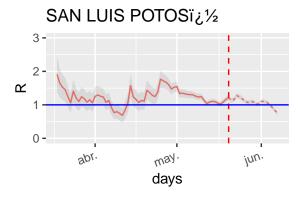


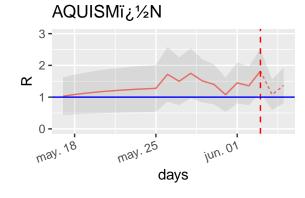


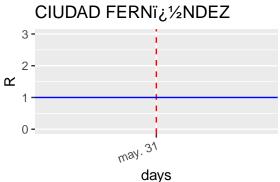
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Levels: QUINTANA ROO

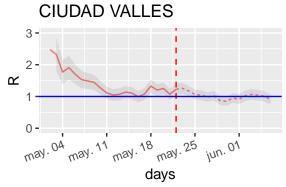


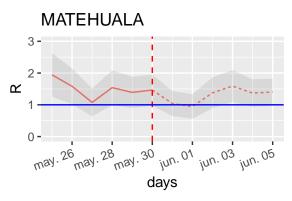
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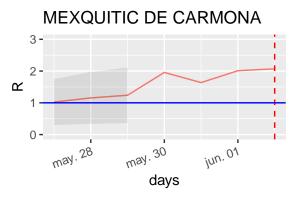


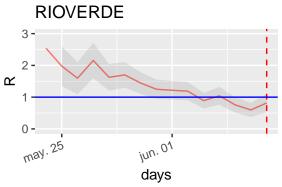


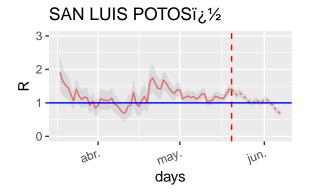




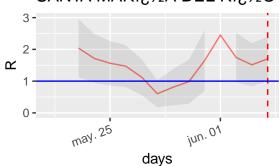




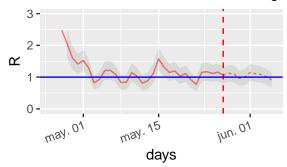




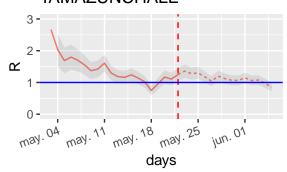
SANTA MARÏ¿½A DEL RÏ¿½O



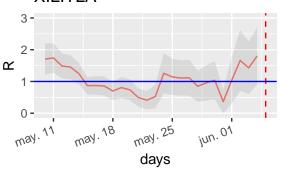
SOLEDAD DE GRACIANO Sï¿1/2



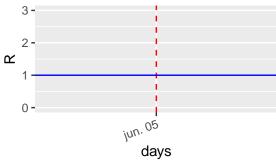
TAMAZUNCHALE



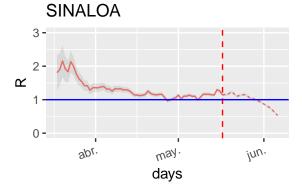
XILITLA



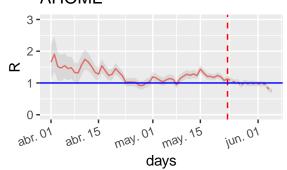
MATLAPA

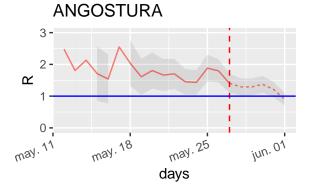


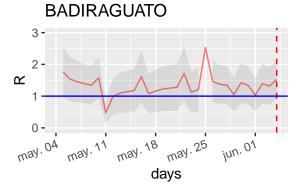
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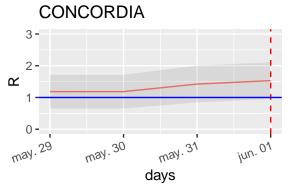


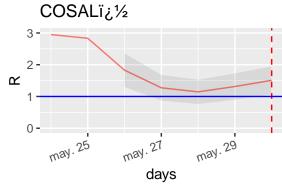
AHOME

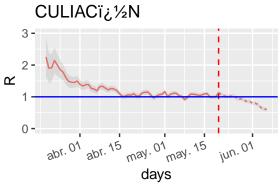


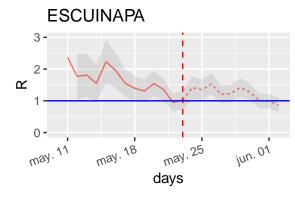


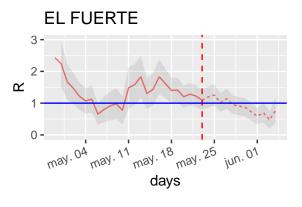


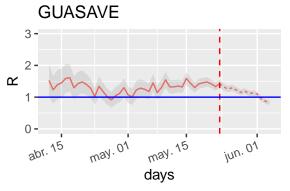


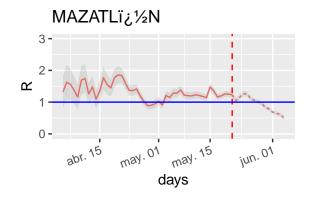


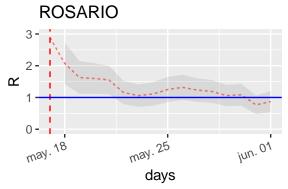


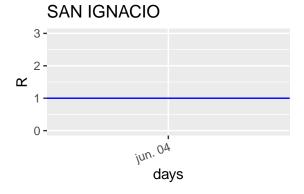


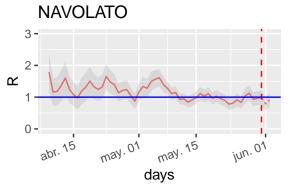


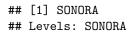


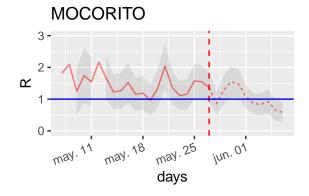


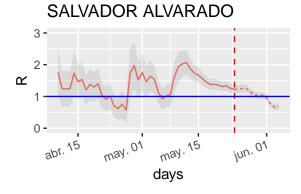


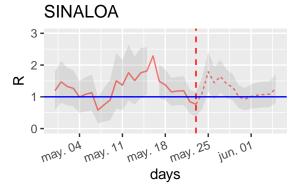


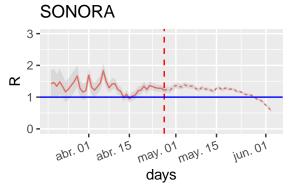


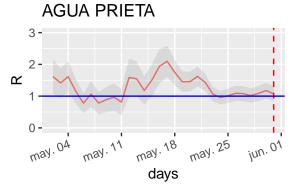


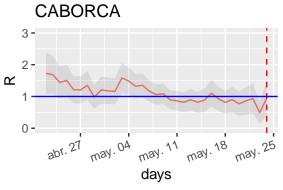


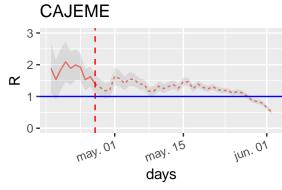


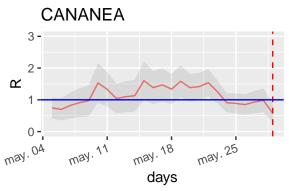


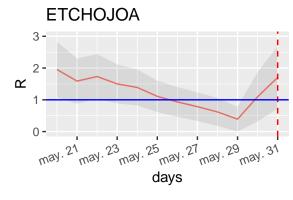


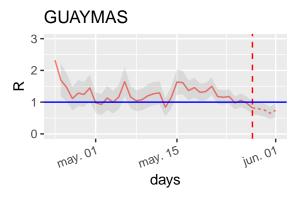


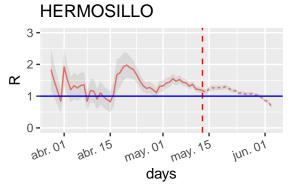


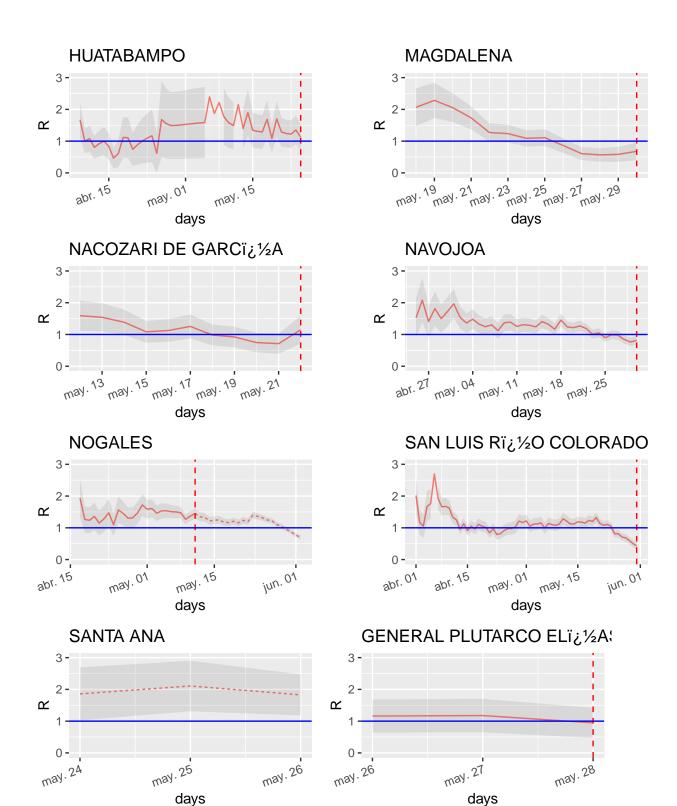




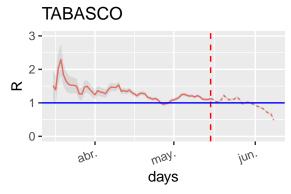


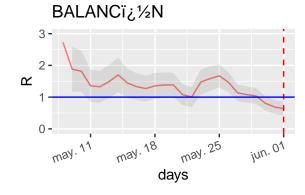


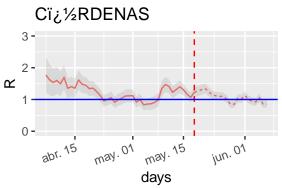


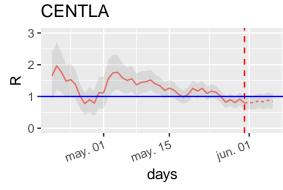


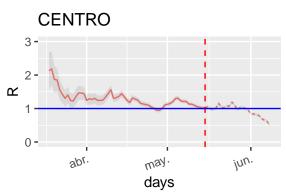
[1] TABASCO
Levels: TABASCO

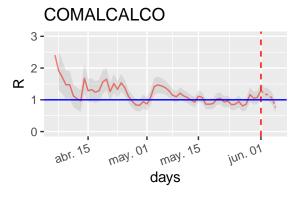


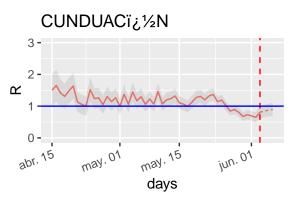


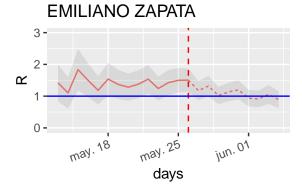


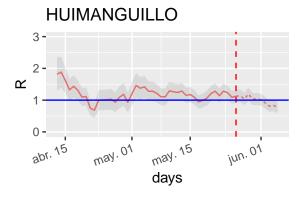


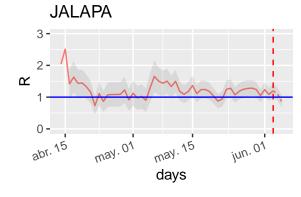


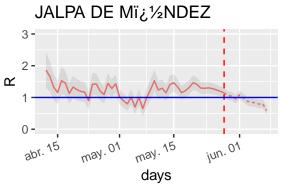


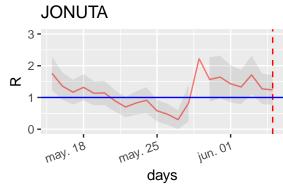


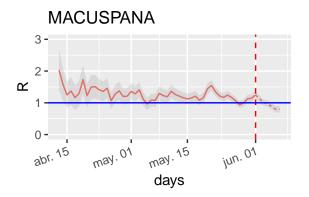


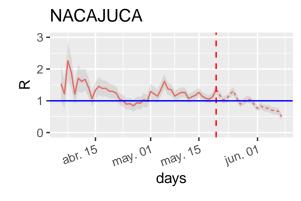


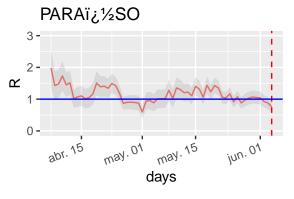


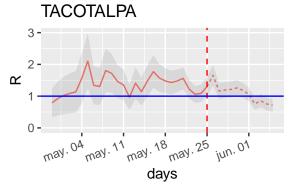


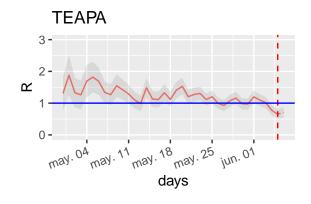


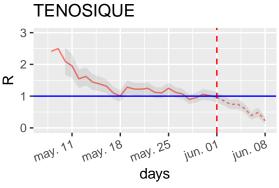




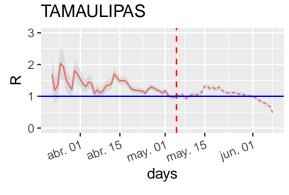


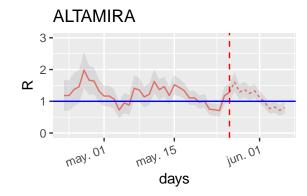


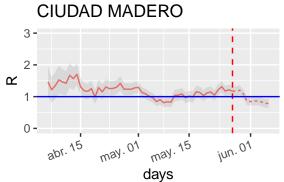


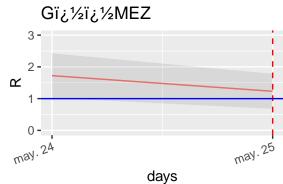


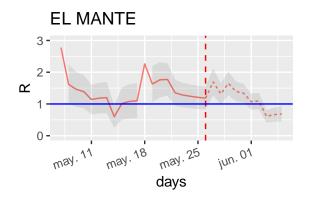
[1] TAMAULIPAS
Levels: TAMAULIPAS

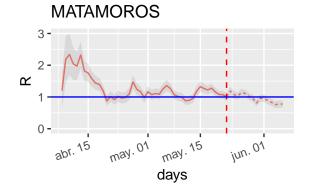


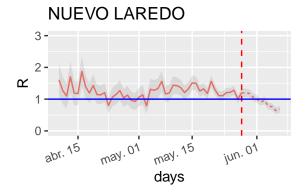


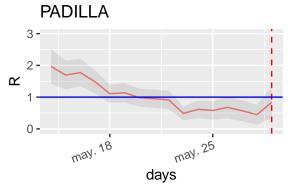


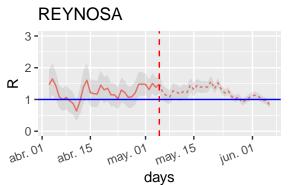


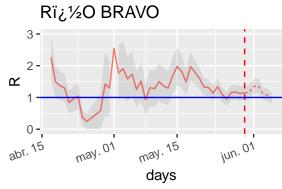


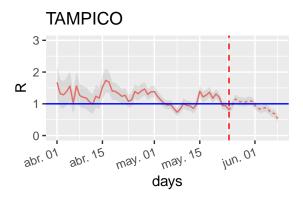


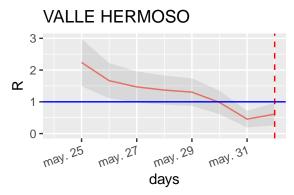


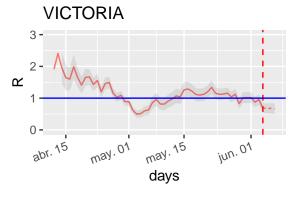




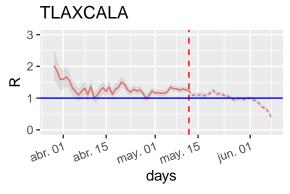


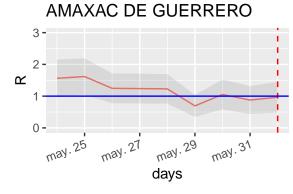


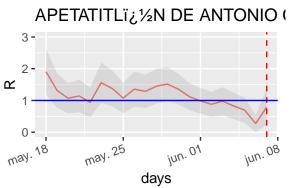


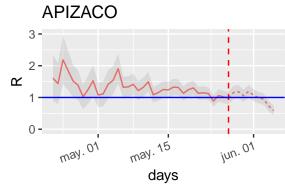


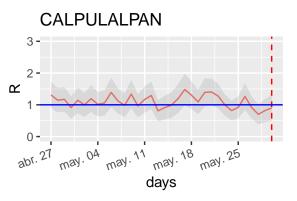
[1] TLAXCALA
Levels: TLAXCALA

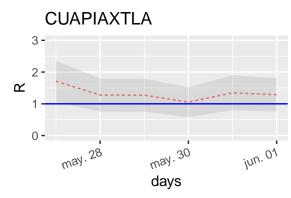


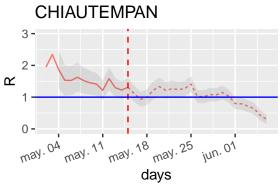


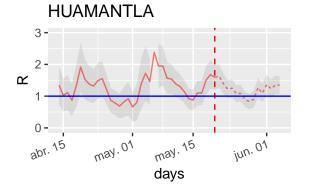


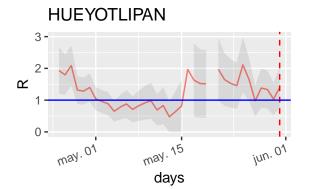


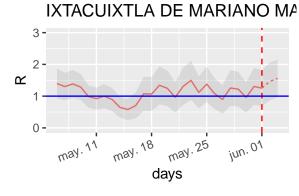




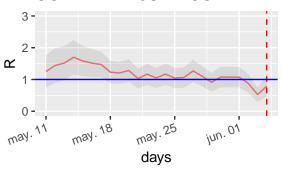




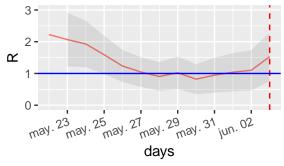




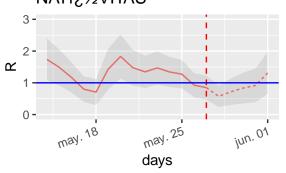




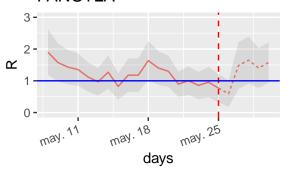




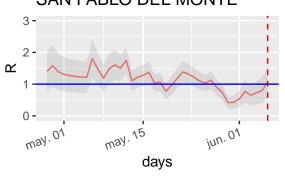
NAT�VITAS



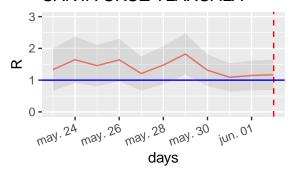
PANOTLA

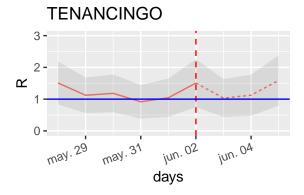


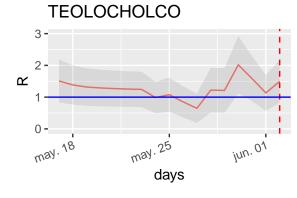
SAN PABLO DEL MONTE

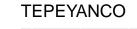


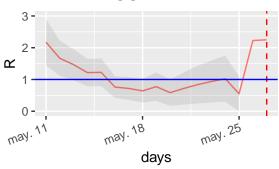
SANTA CRUZ TLAXCALA









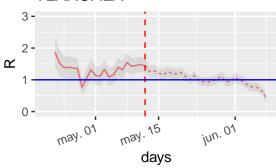


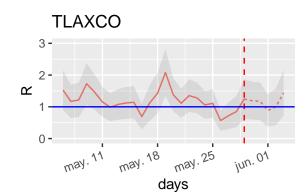


may. 25

jun. 01

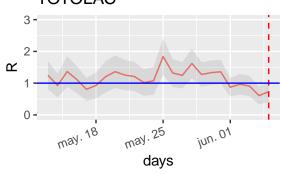


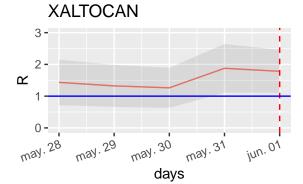


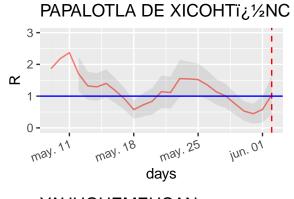


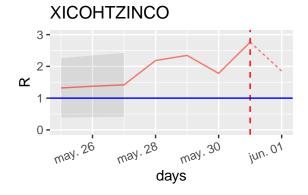
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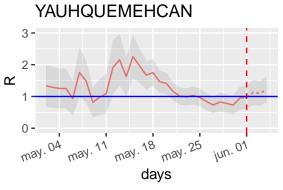
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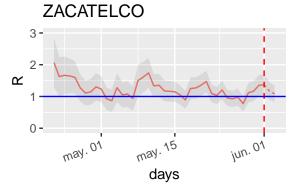


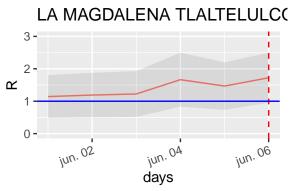


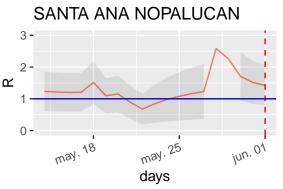




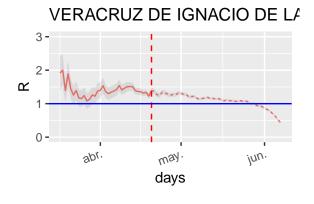


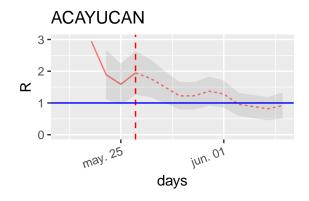


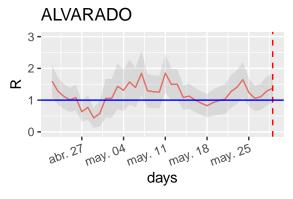


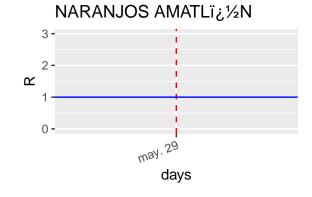


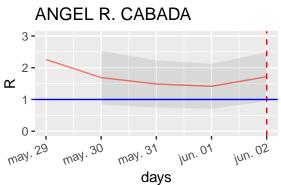


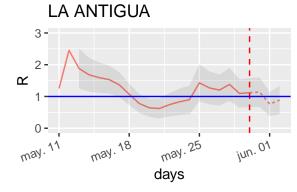


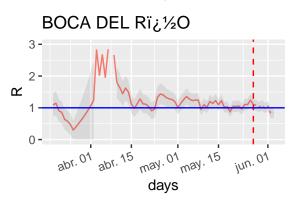


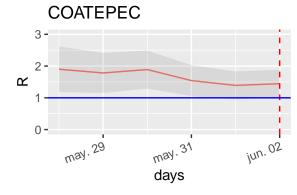


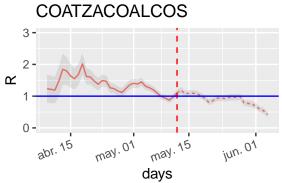


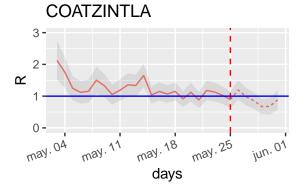


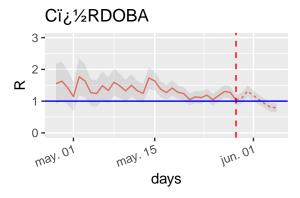


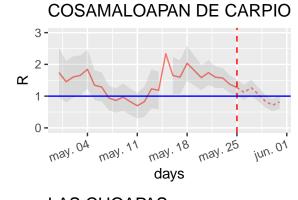


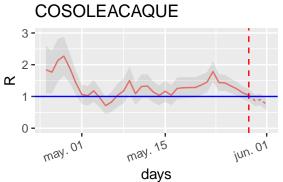


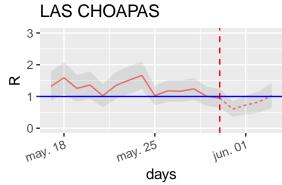


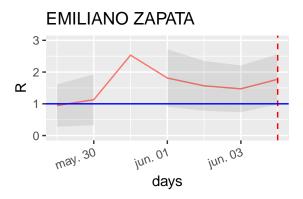


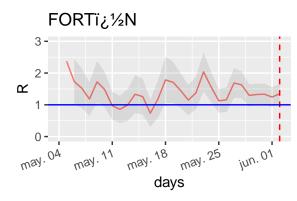


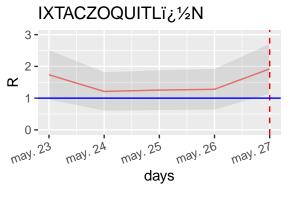


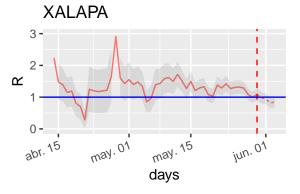


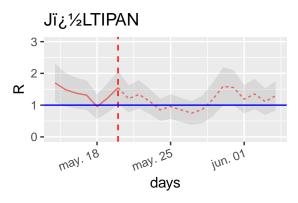


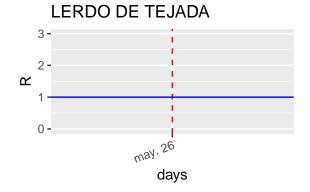




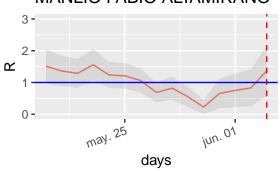


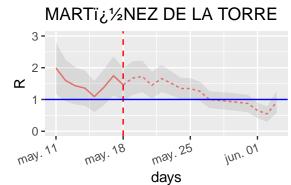




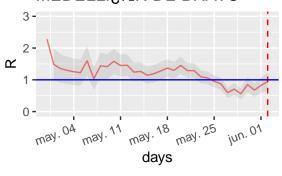


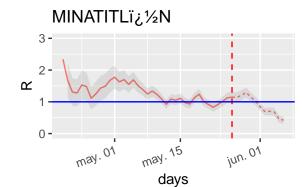




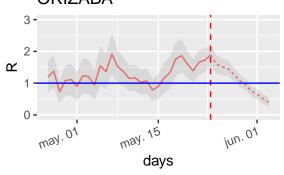


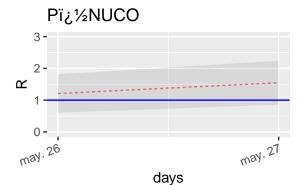
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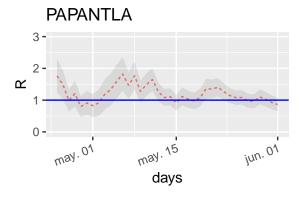


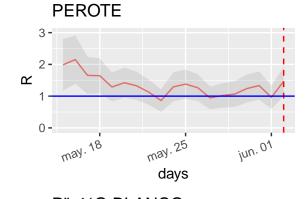


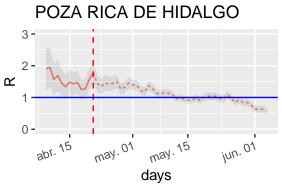
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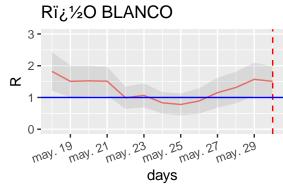


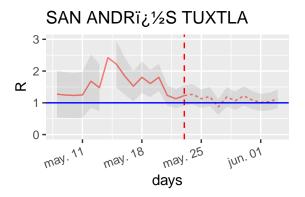


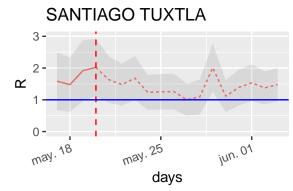


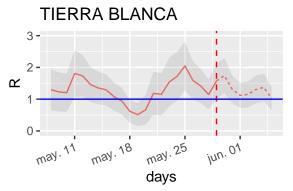


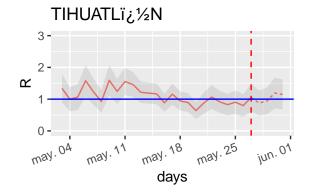


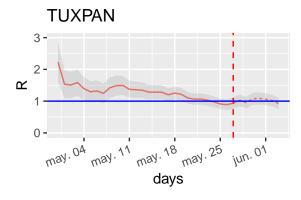


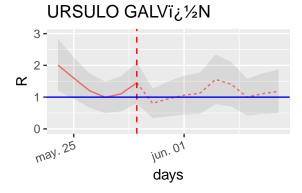


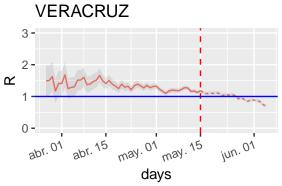


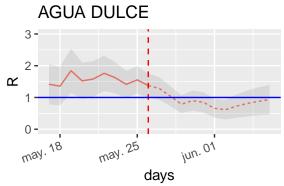




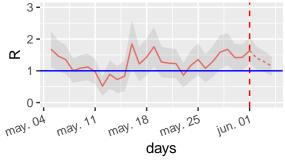




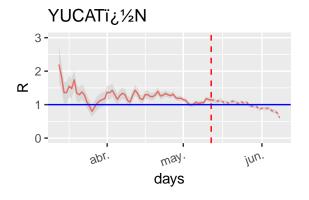


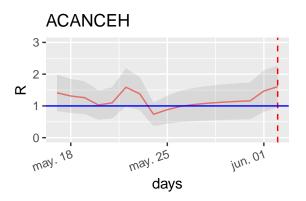


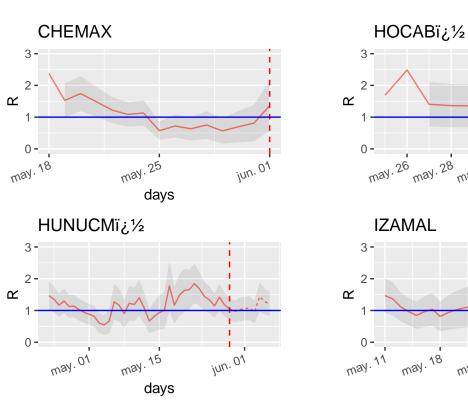


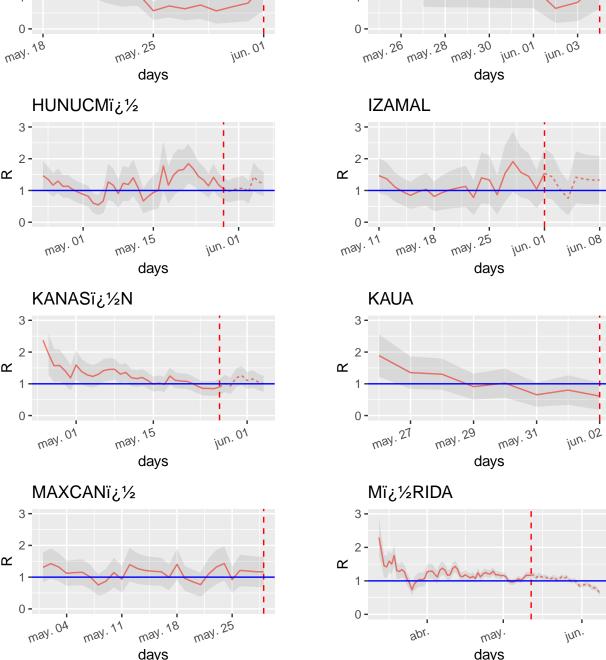


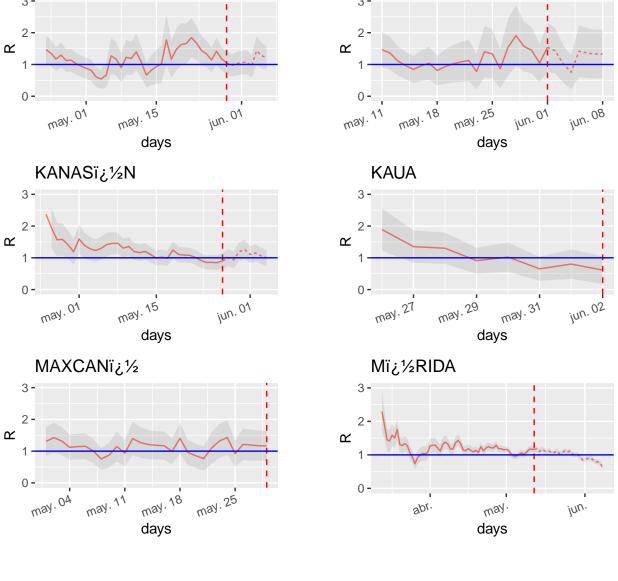
[1] YUCATī¿½N ## Levels: YUCATī¿½N

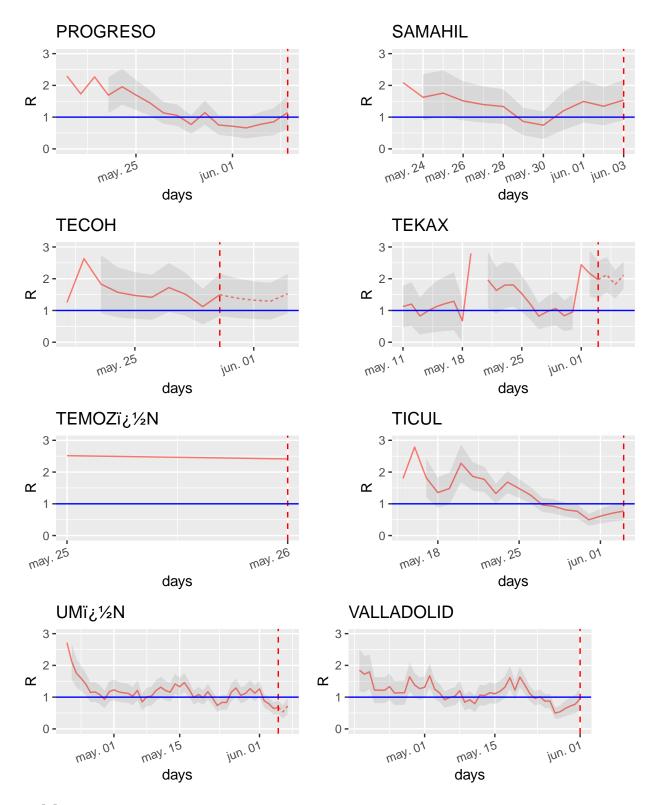




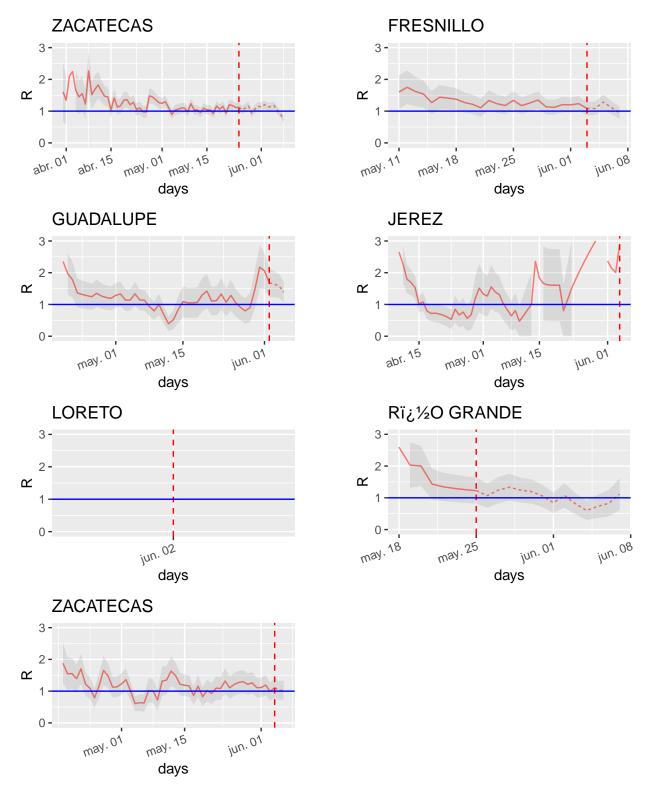








[1] ZACATECAS
Levels: ZACATECAS



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