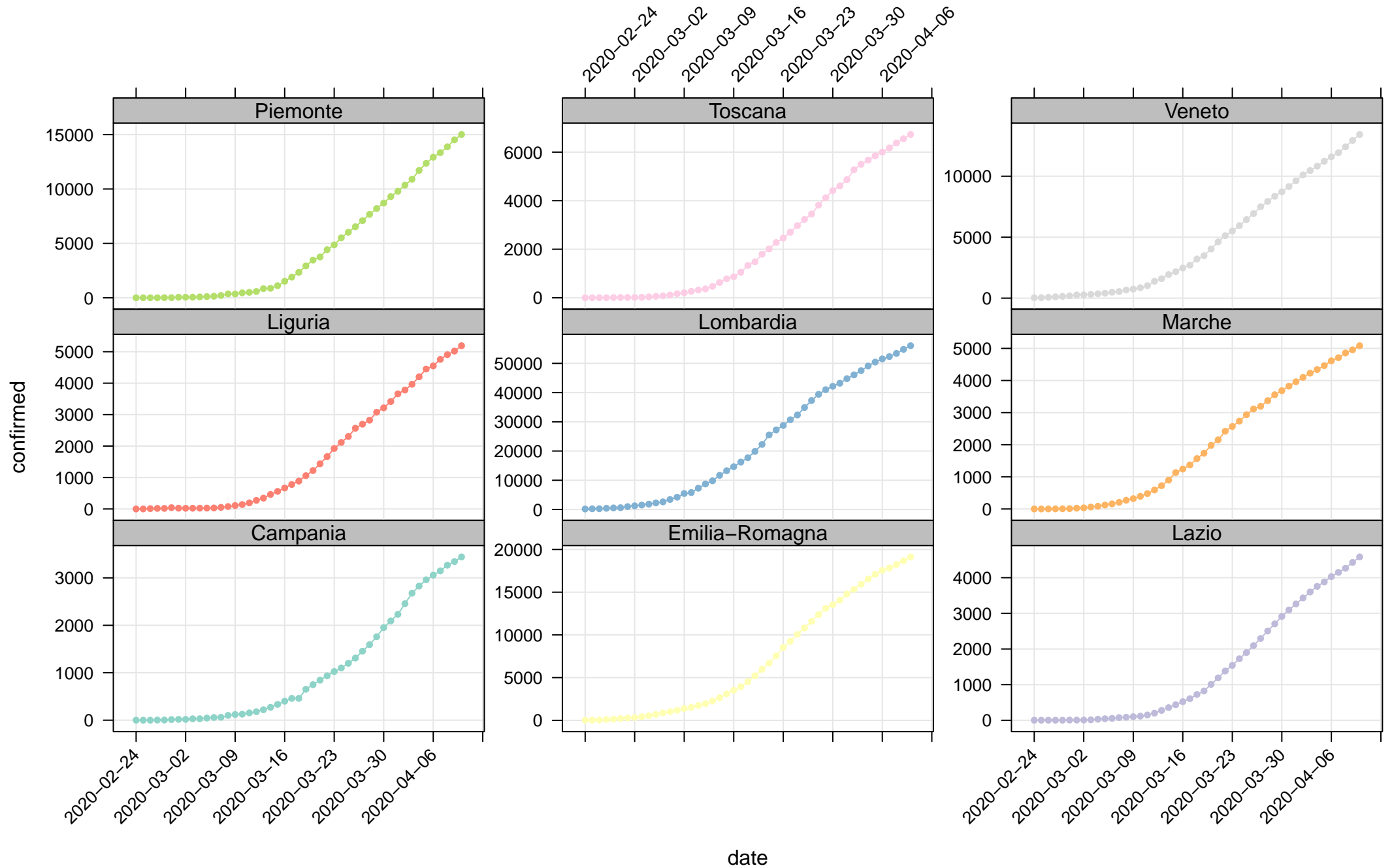
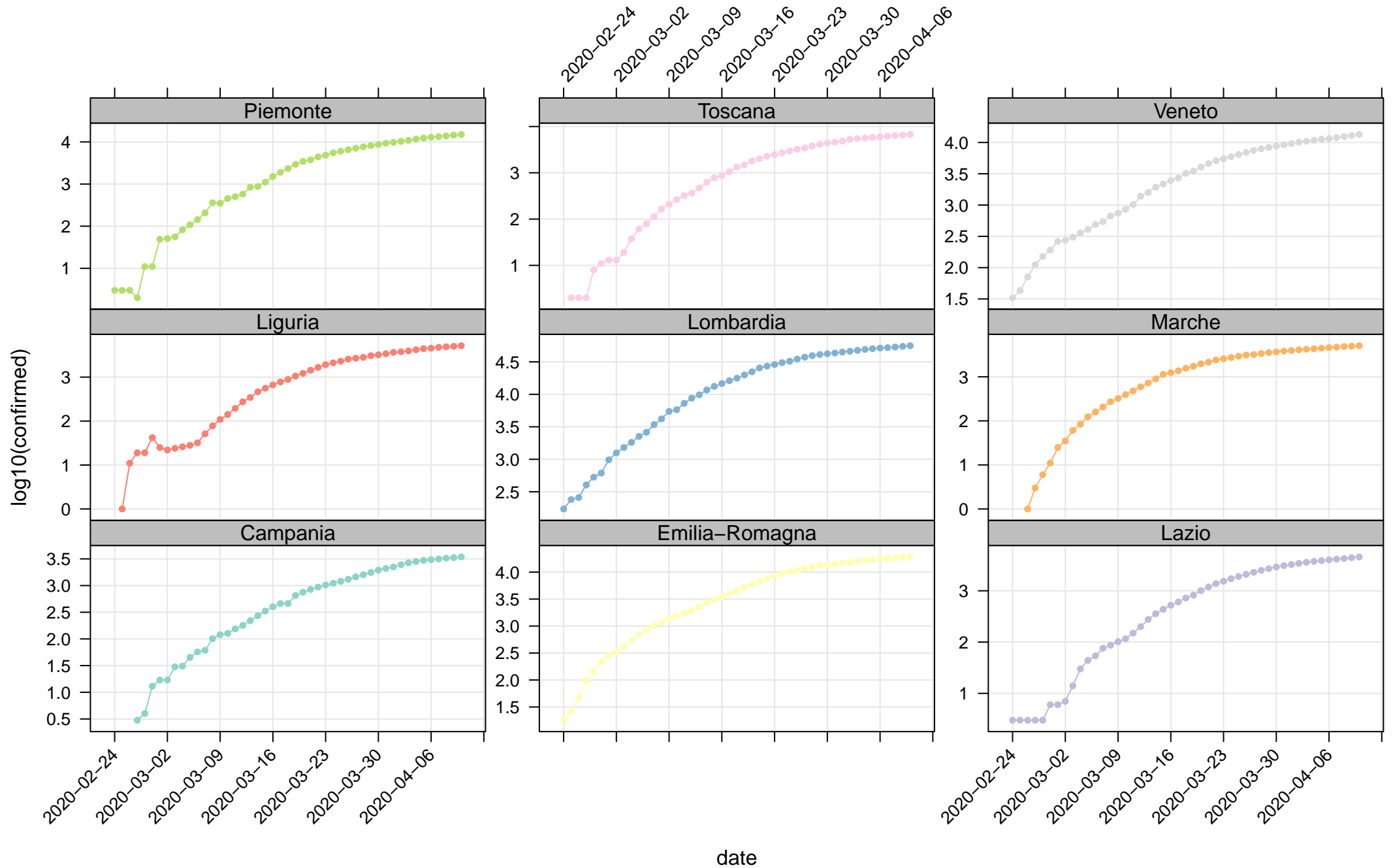


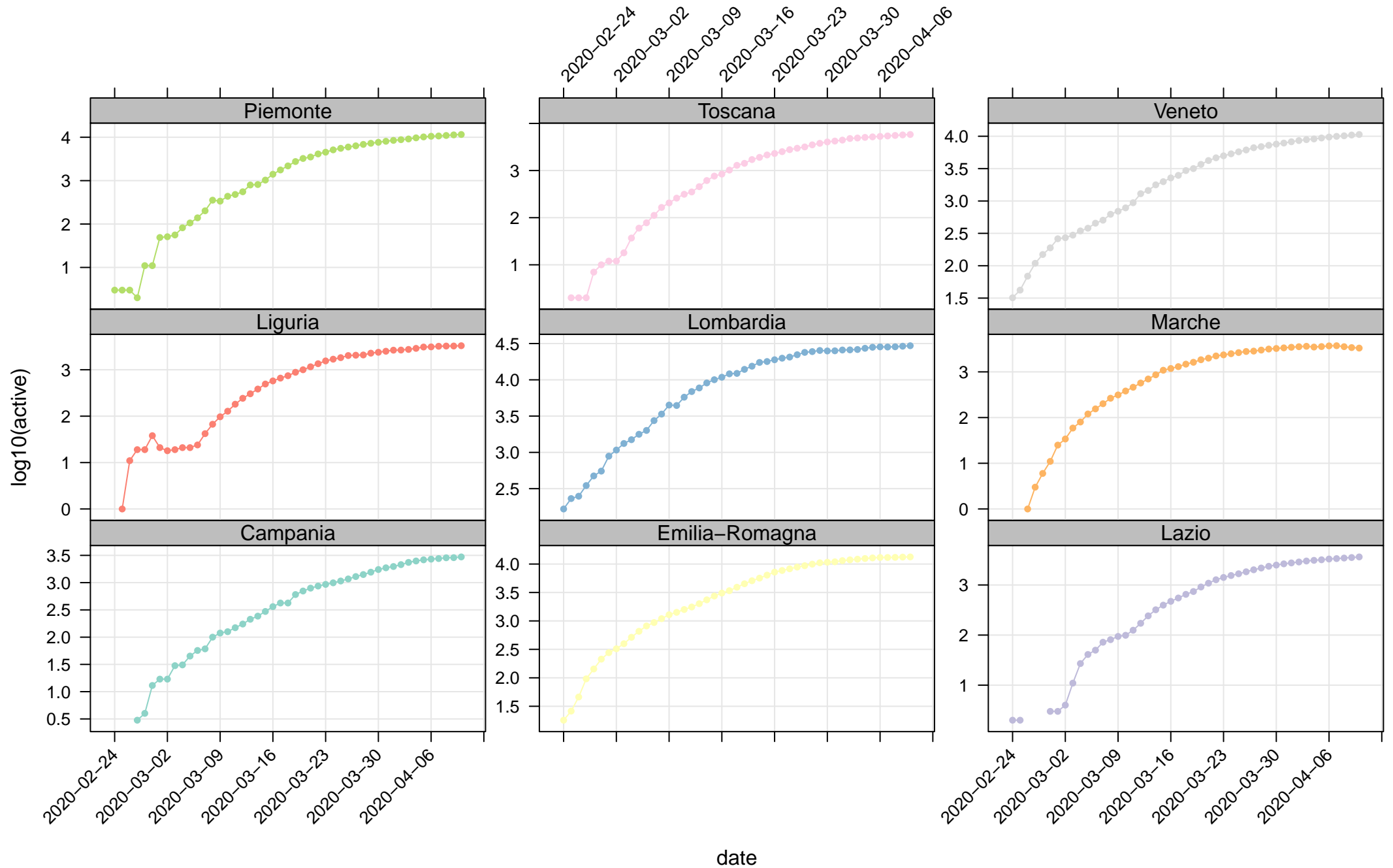
**ITALY – Confirmed cases of COVID-19**  
**(last date in this graph is 2020-04-10)**



**ITALY – Log 10 Confirmed cases of COVID-19**  
(last date in this graph is 2020-04-10)



# ITALY – Log 10 Active cases of COVID-19 (last date in this graph is 2020-04-10)



# ITALY – Confirmed cases of COVID-19

log10 of number of new COVID-19 cases

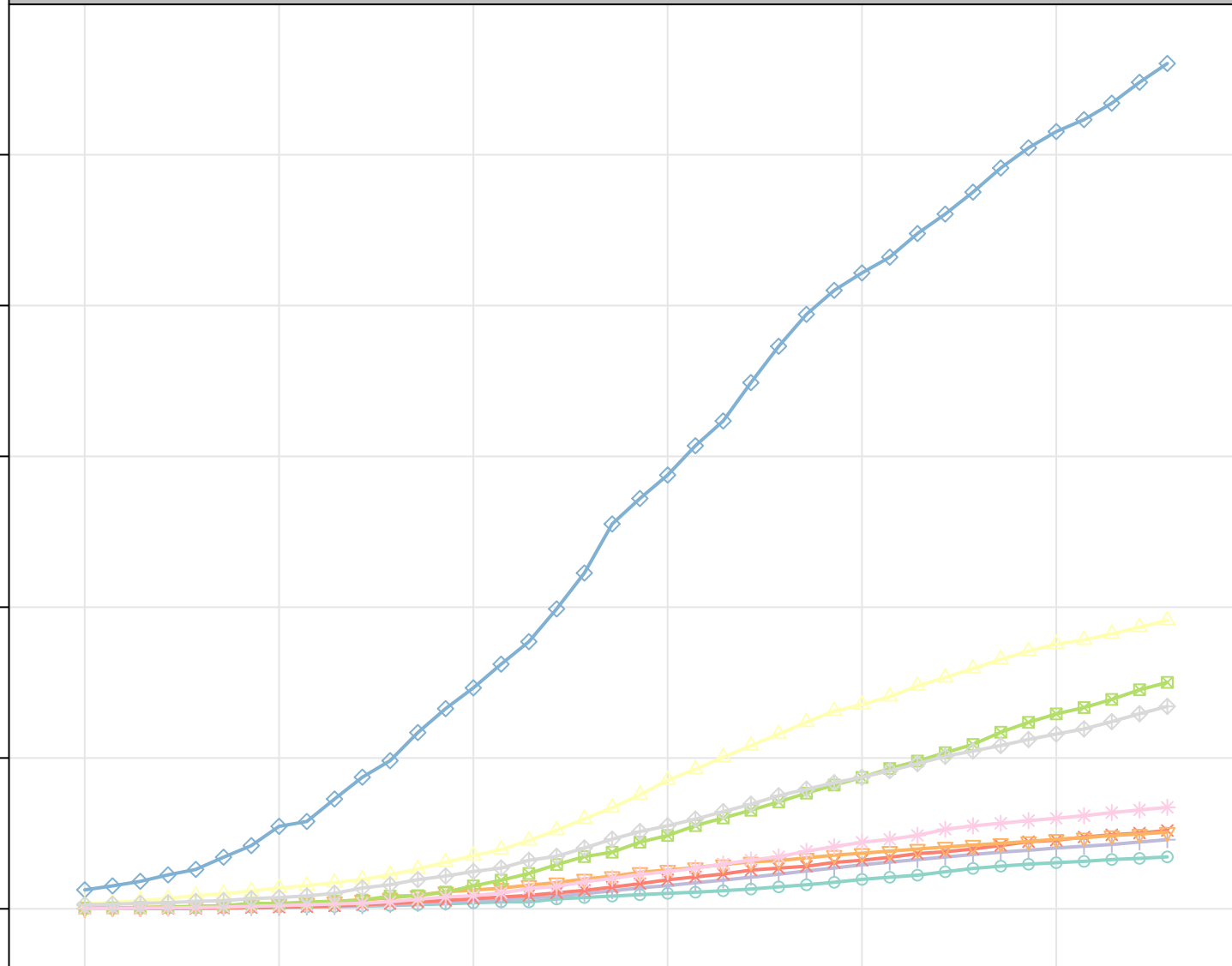
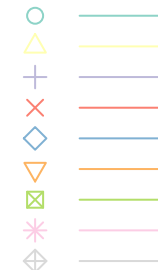
50000  
40000  
30000  
20000  
10000  
0

2020-03-01 2020-03-03 2020-03-05 2020-03-07 2020-03-09 2020-03-11 2020-03-13 2020-03-15 2020-03-17 2020-03-19 2020-03-21 2020-03-23 2020-03-25 2020-03-27 2020-03-29 2020-03-31 2020-04-02 2020-04-04 2020-04-06 2020-04-08 2020-04-10

Date

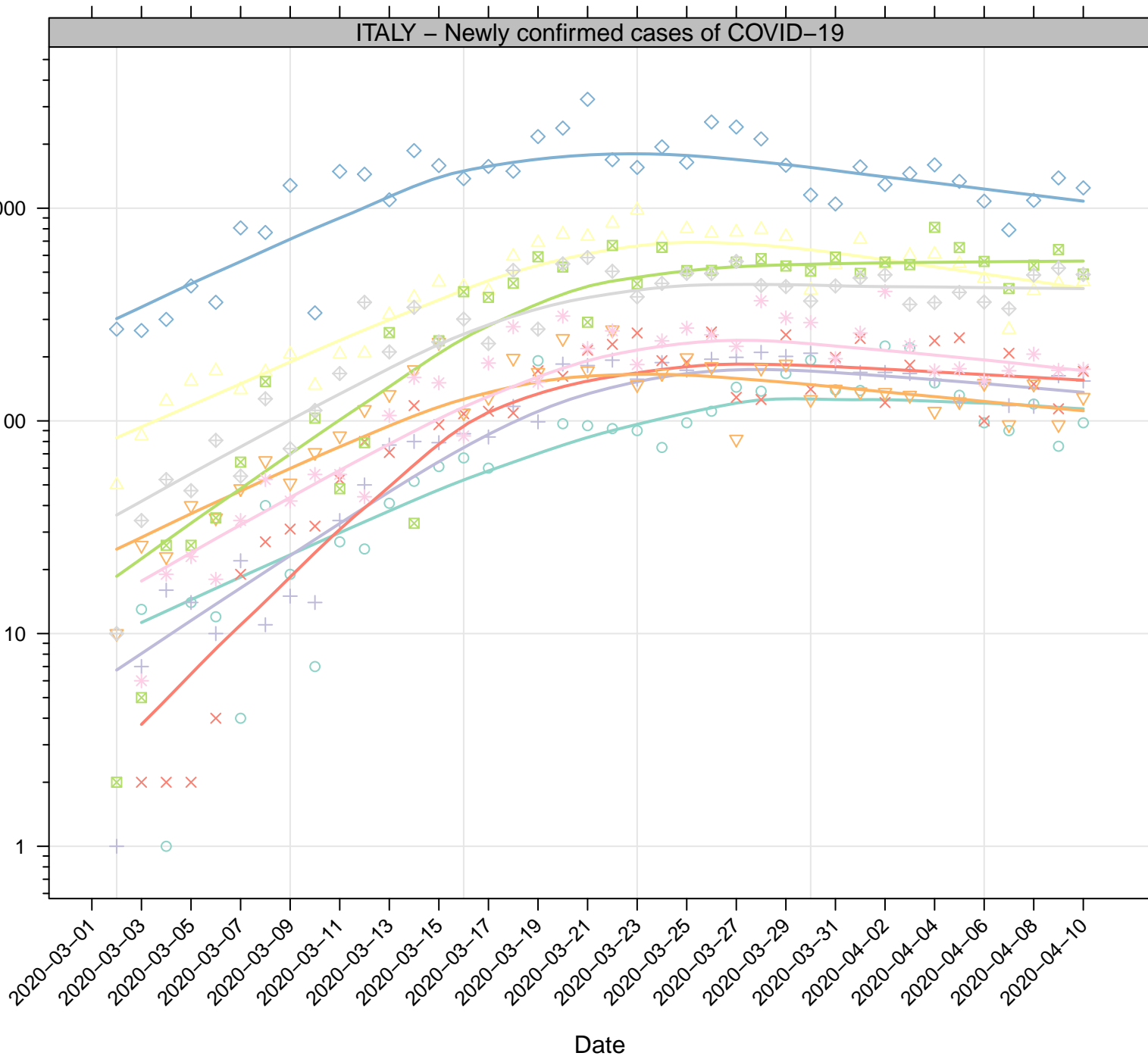
## Countries

Campania  
Emilia-Romagna  
Lazio  
Liguria  
Lombardia  
Marche  
Piemonte  
Toscana  
Veneto



ITALY – Newly confirmed cases of COVID-19

number of new COVID-19 cases



## Countries

- Campania
- Emilia-Romagna
- Lazio
- Liguria
- Lombardia
- Marche
- Piemonte
- Toscana
- Veneto

ITALY – Daily deaths (weekly moving average)

number of cases (7 days rolling mean)

400  
300  
200  
100  
0

0

5

10

15

20

25

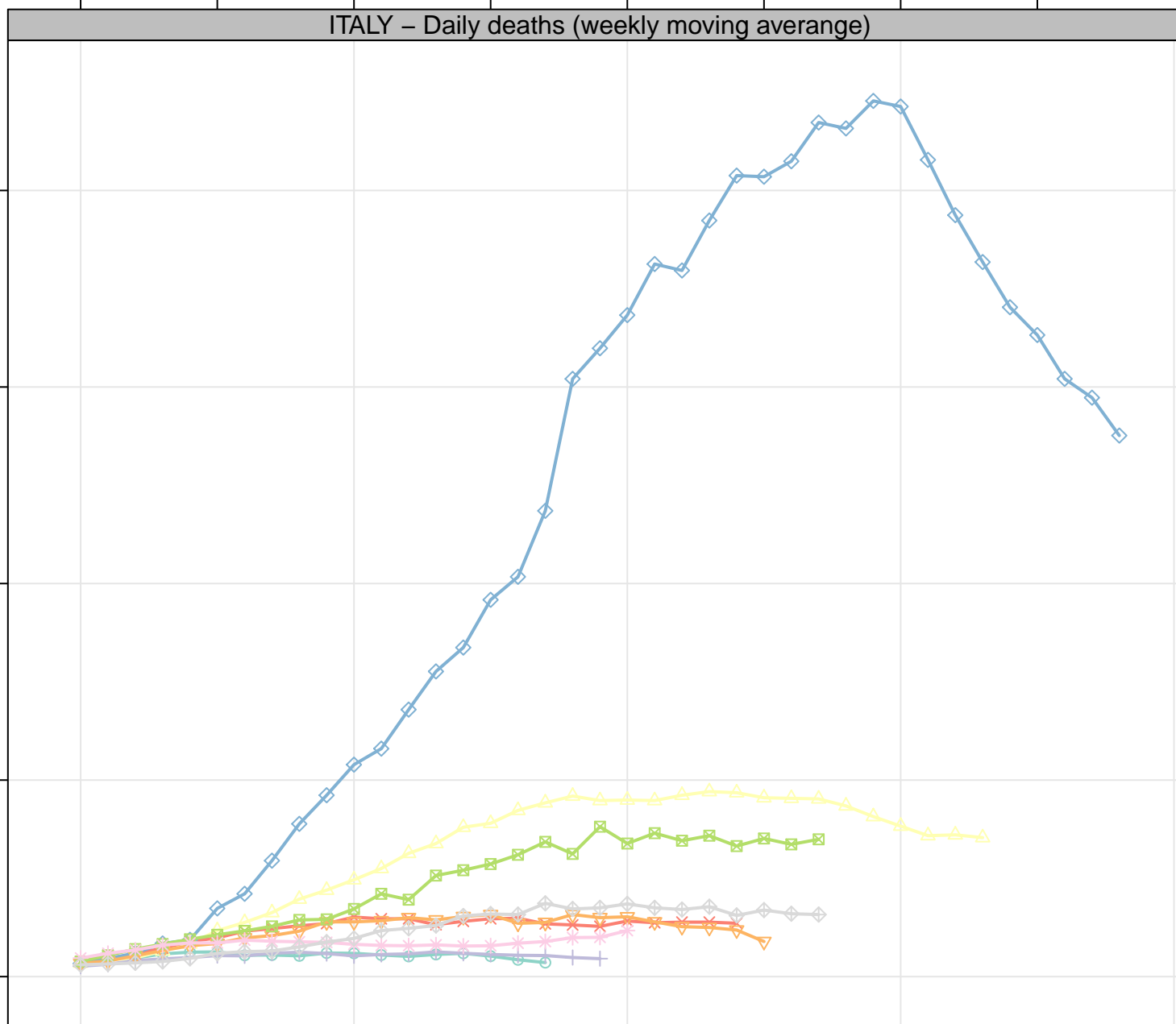
30

35

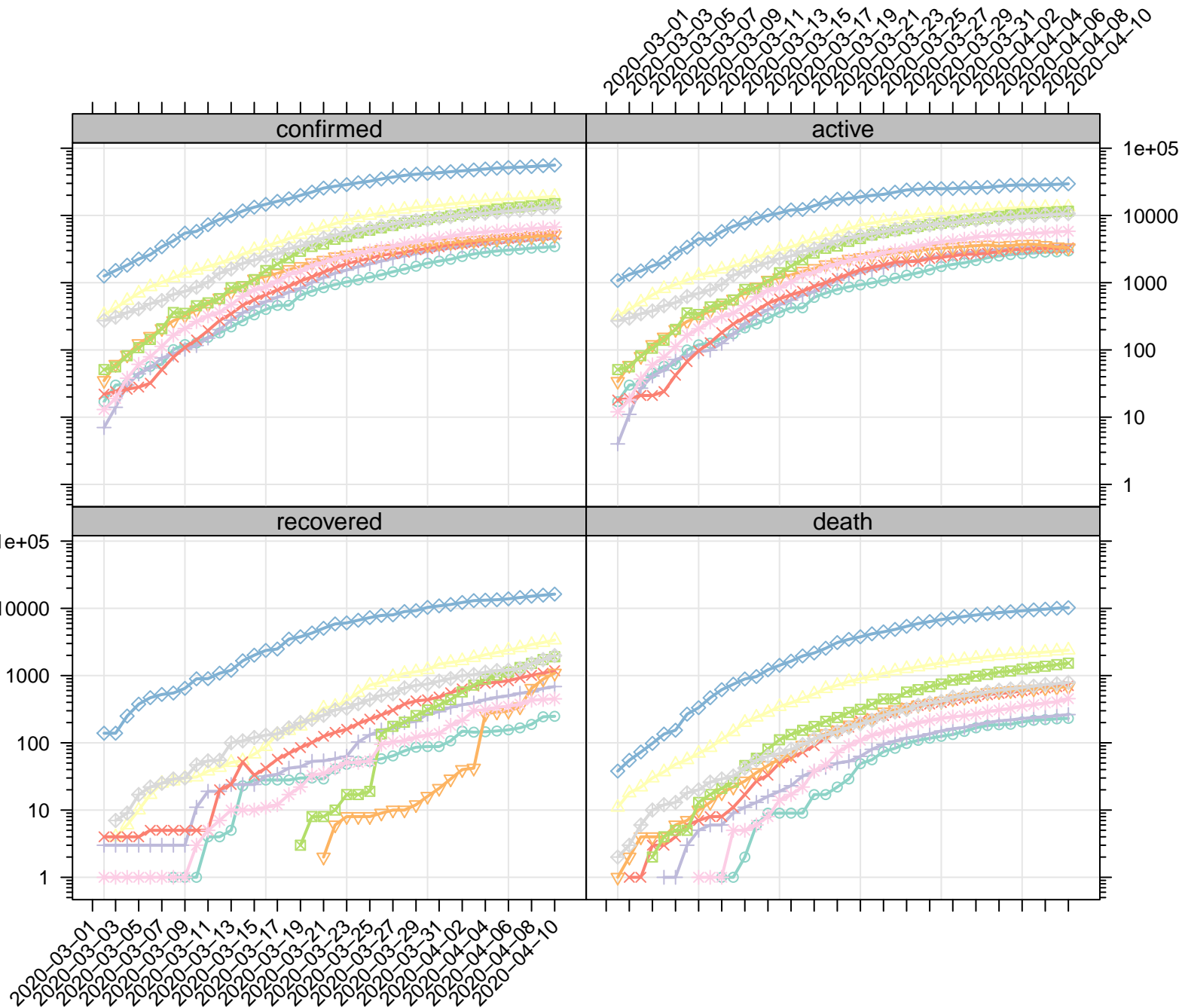
Days since nr deaths was 50

## Countries

Campania  
Emilia-Romagna  
Lazio  
Liguria  
Lombardia  
Marche  
Piemonte  
Toscana  
Veneto



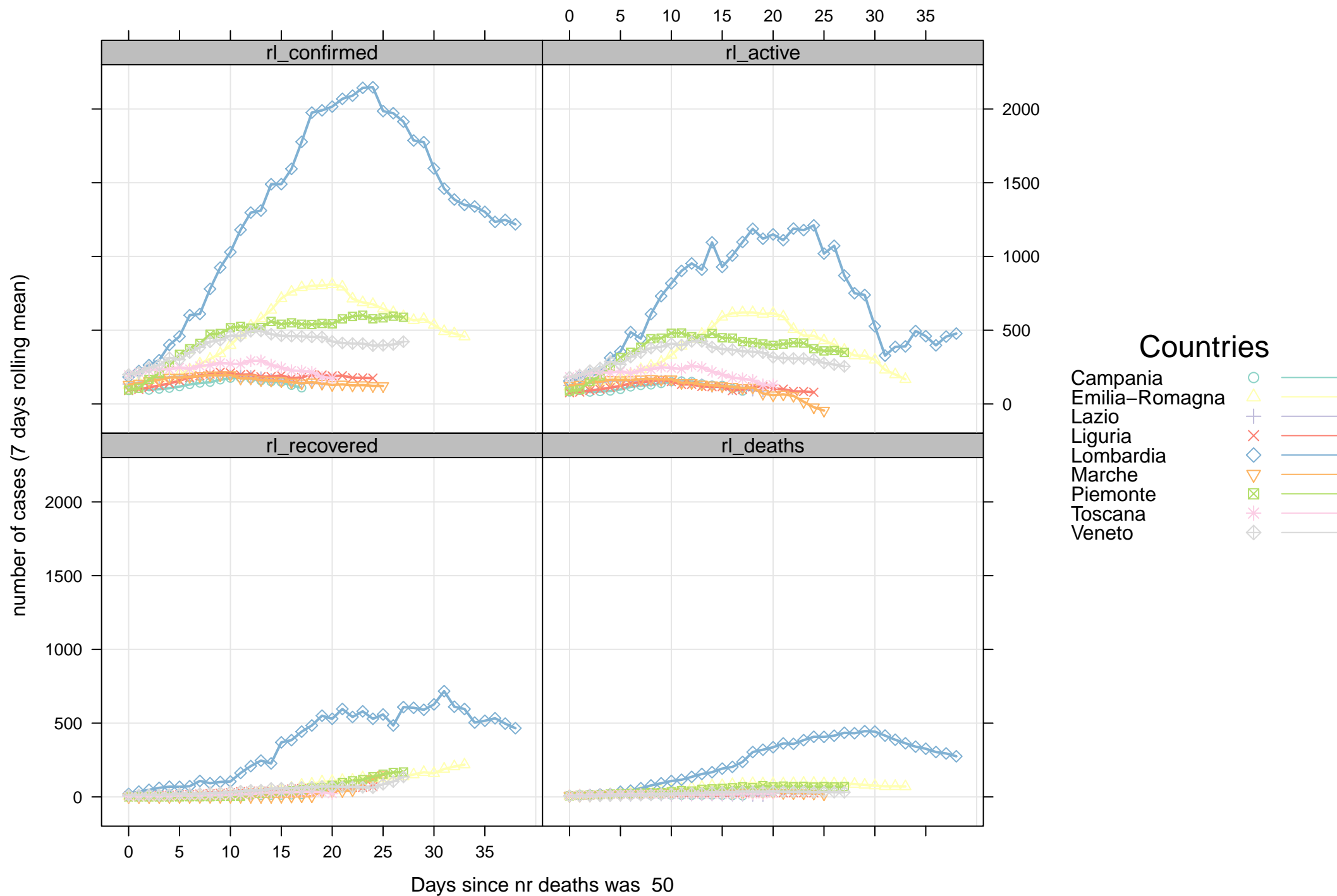
number of cases



Date

## Countries







ITALY – confirmed cases of COVID-19 since onset of sick person nr 50

number of confirmed cases

10000

1000

100

Days since COVID-19 onset – confirmed case 50

Lombardia

Emilia-Romagna

Veneto

Marche

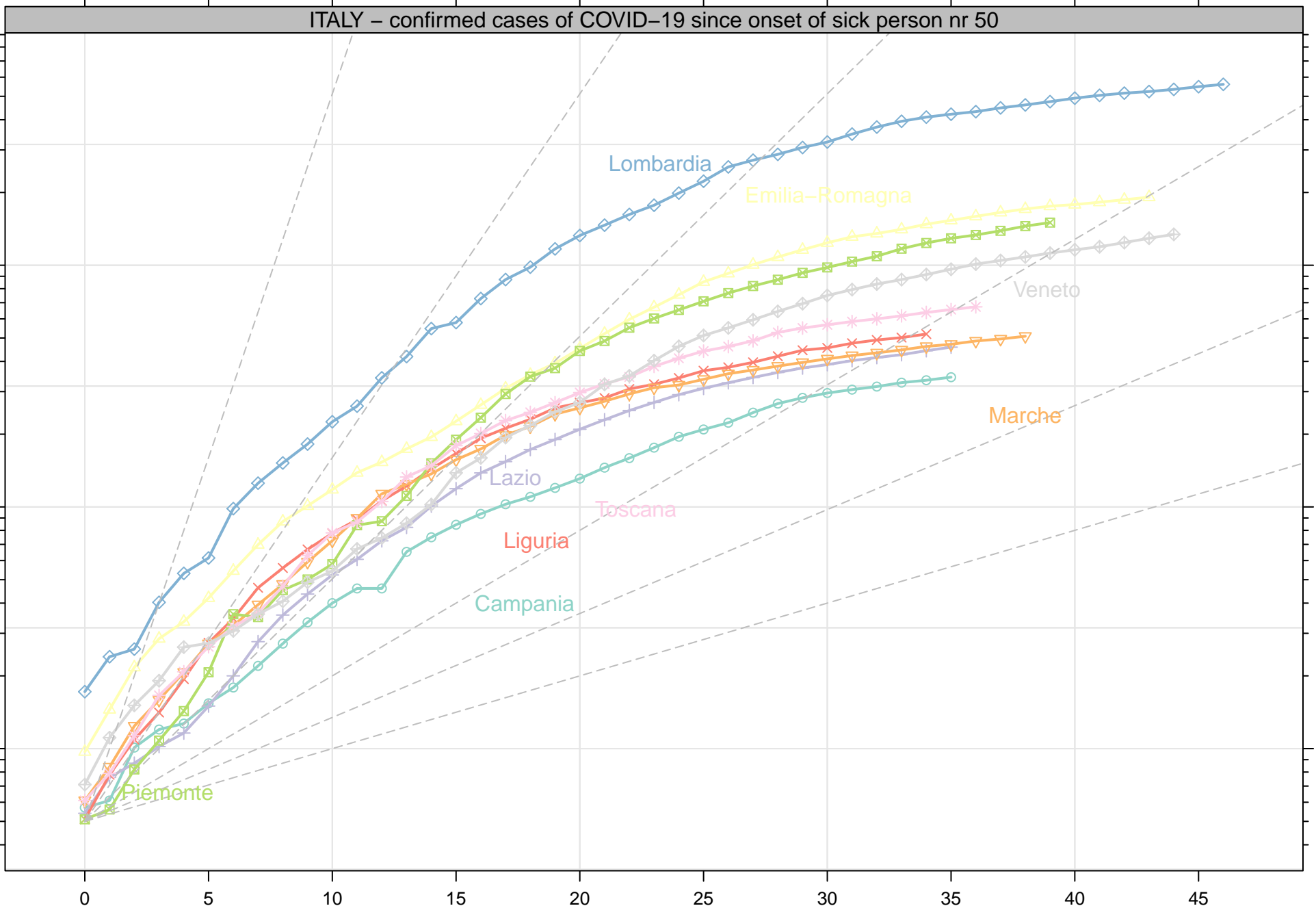
Lazio

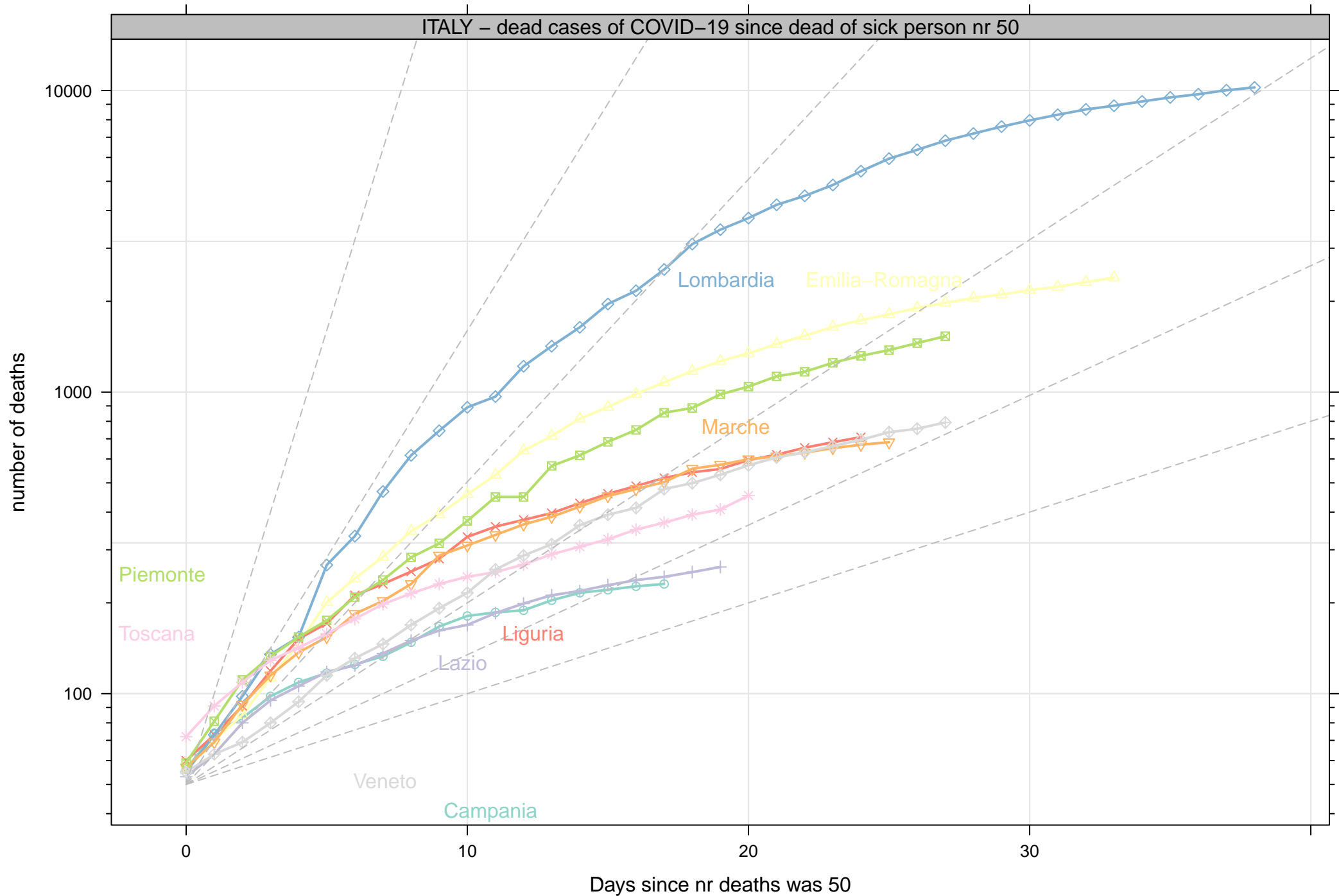
Liguria

Campania

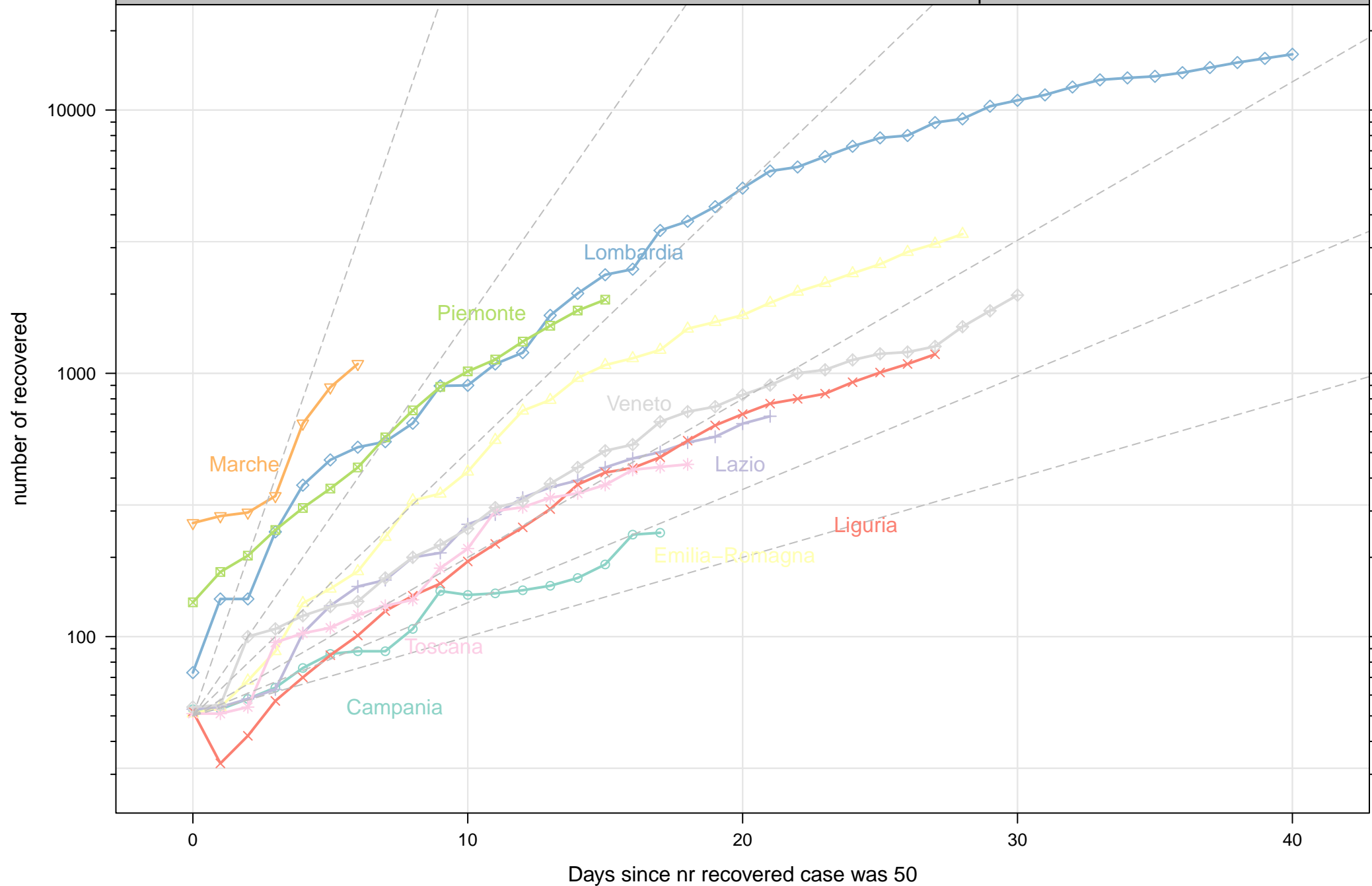
Toscana

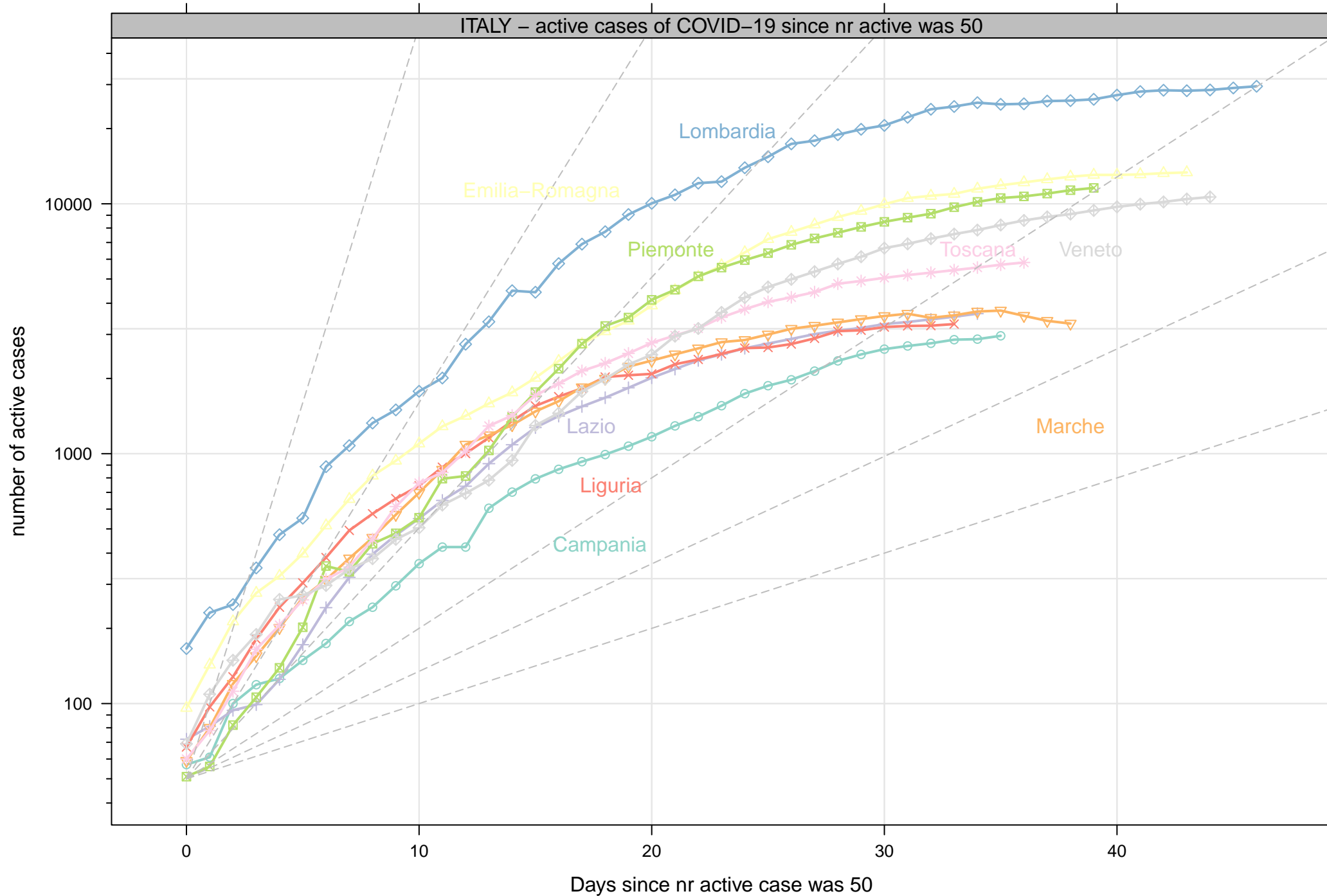
Piemonte



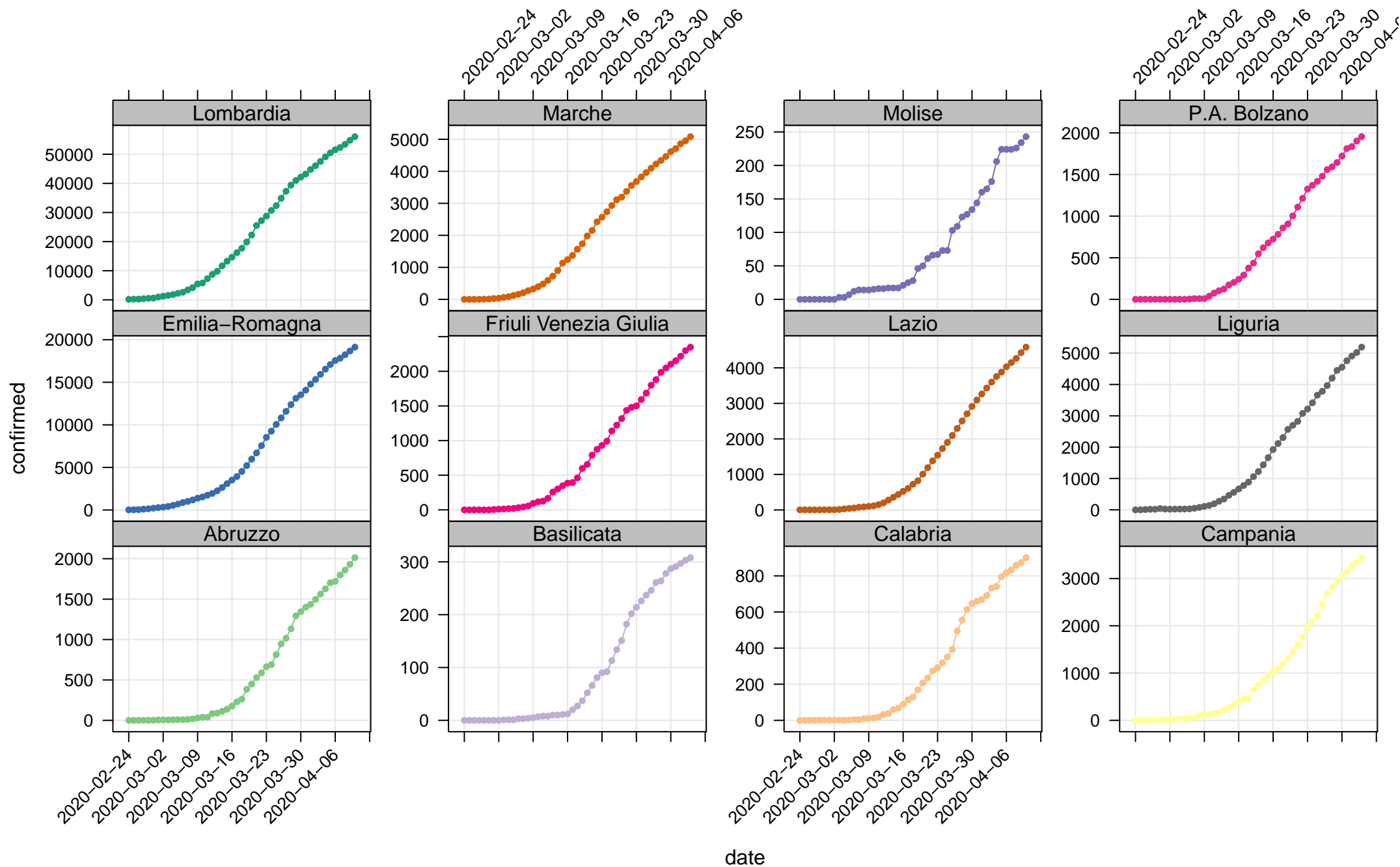


ITALY – recovered cases of COVID-19 since recovered of sick person nr 50



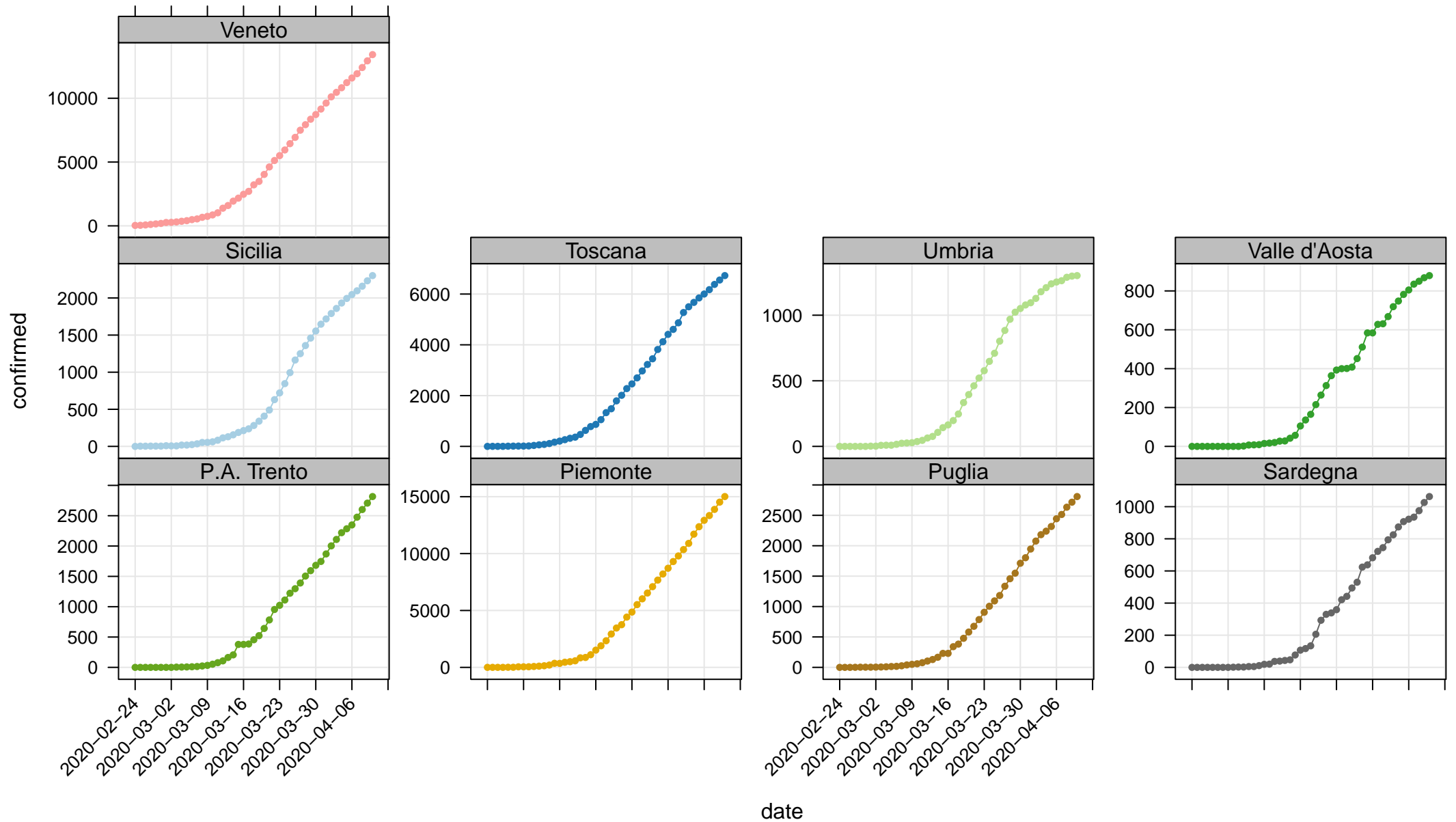


# ITALY – Confirmed cases of COVID-19 (last date in this graph is 2020-04-10)

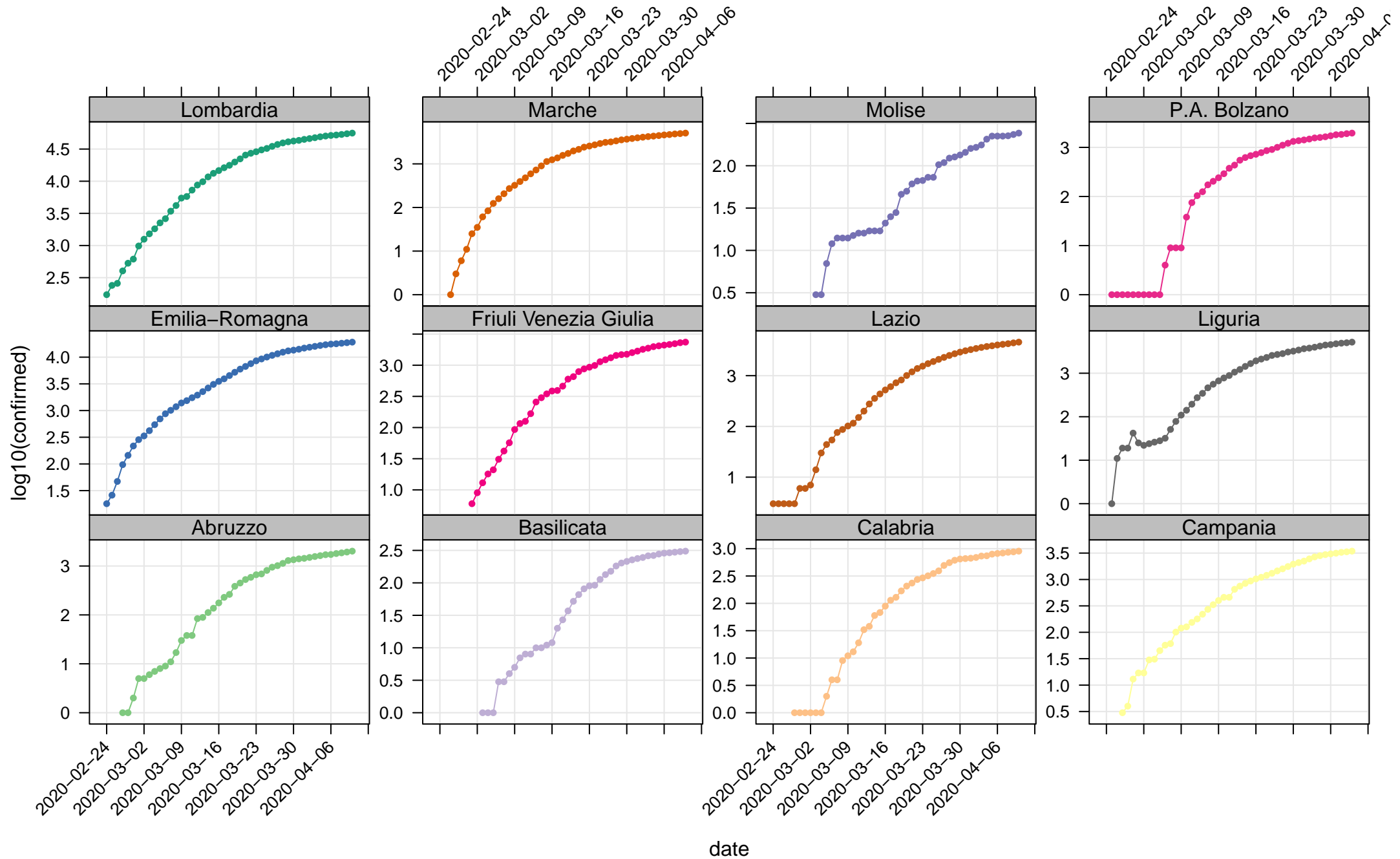


# ITALY – Confirmed cases of COVID-19

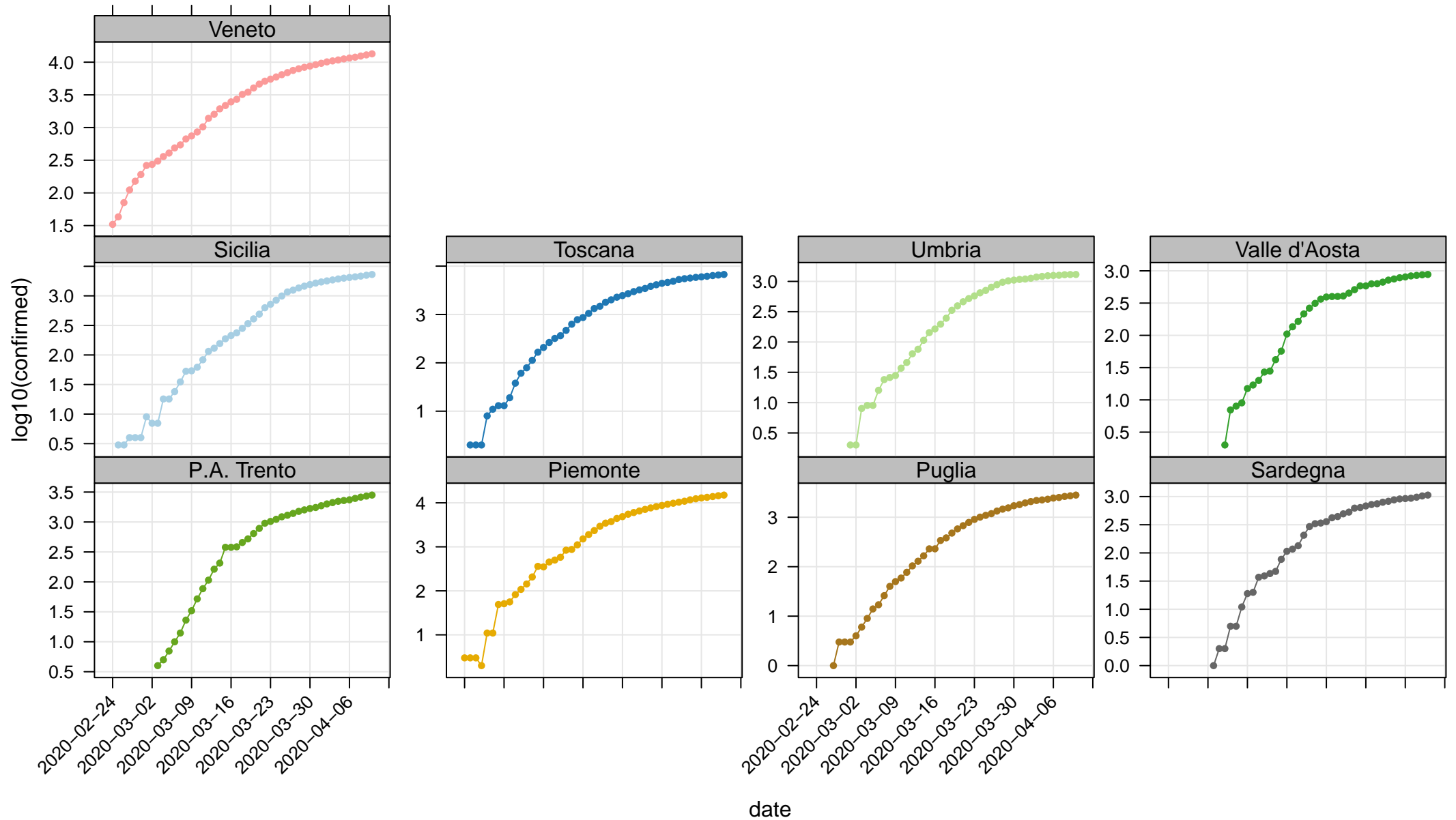
(last date in this graph is 2020-04-10)



**ITALY – Log 10 Confirmed cases of COVID-19**  
(last date in this graph is 2020-04-10)

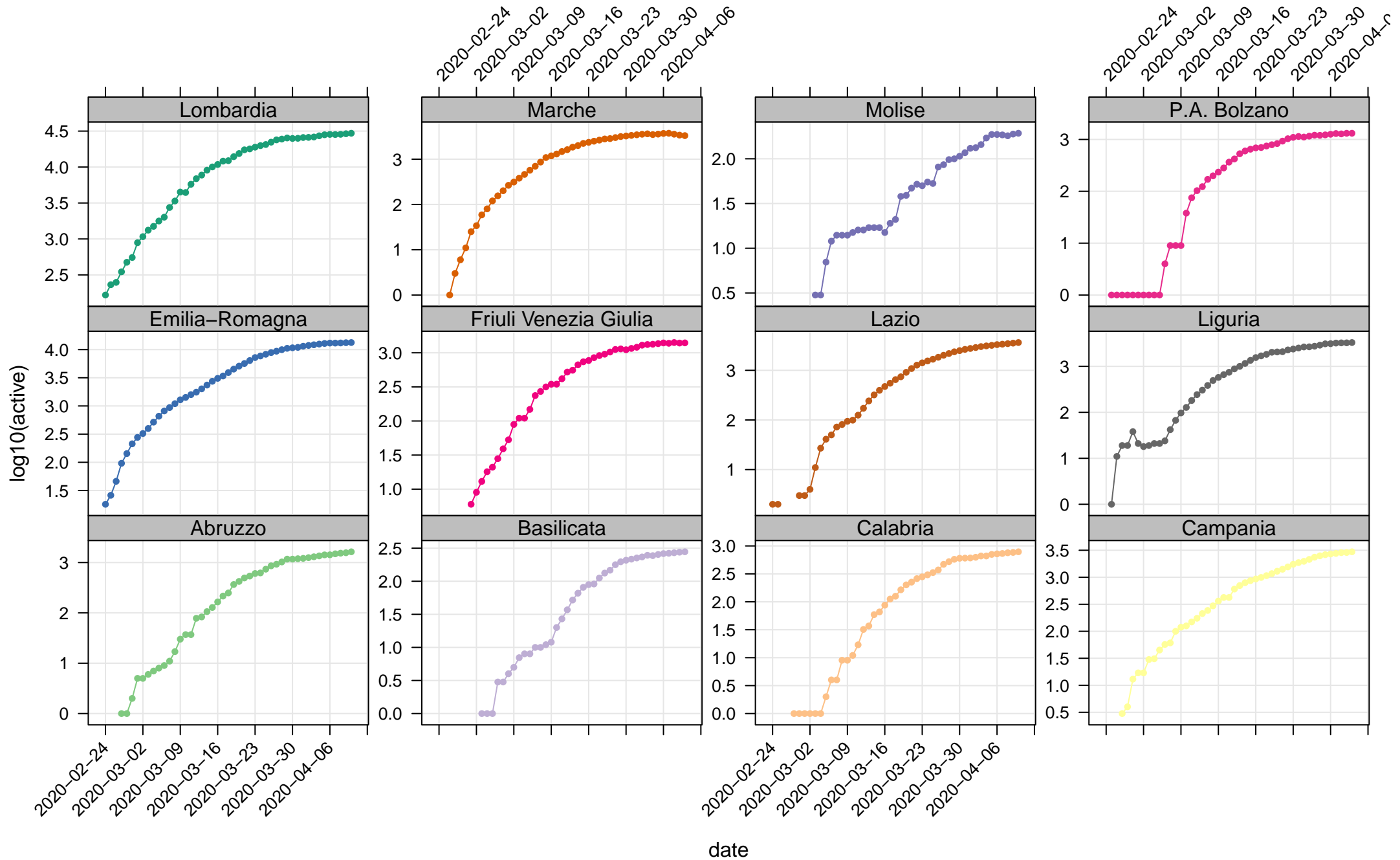


**ITALY – Log 10 Confirmed cases of COVID-19**  
(last date in this graph is 2020-04-10)

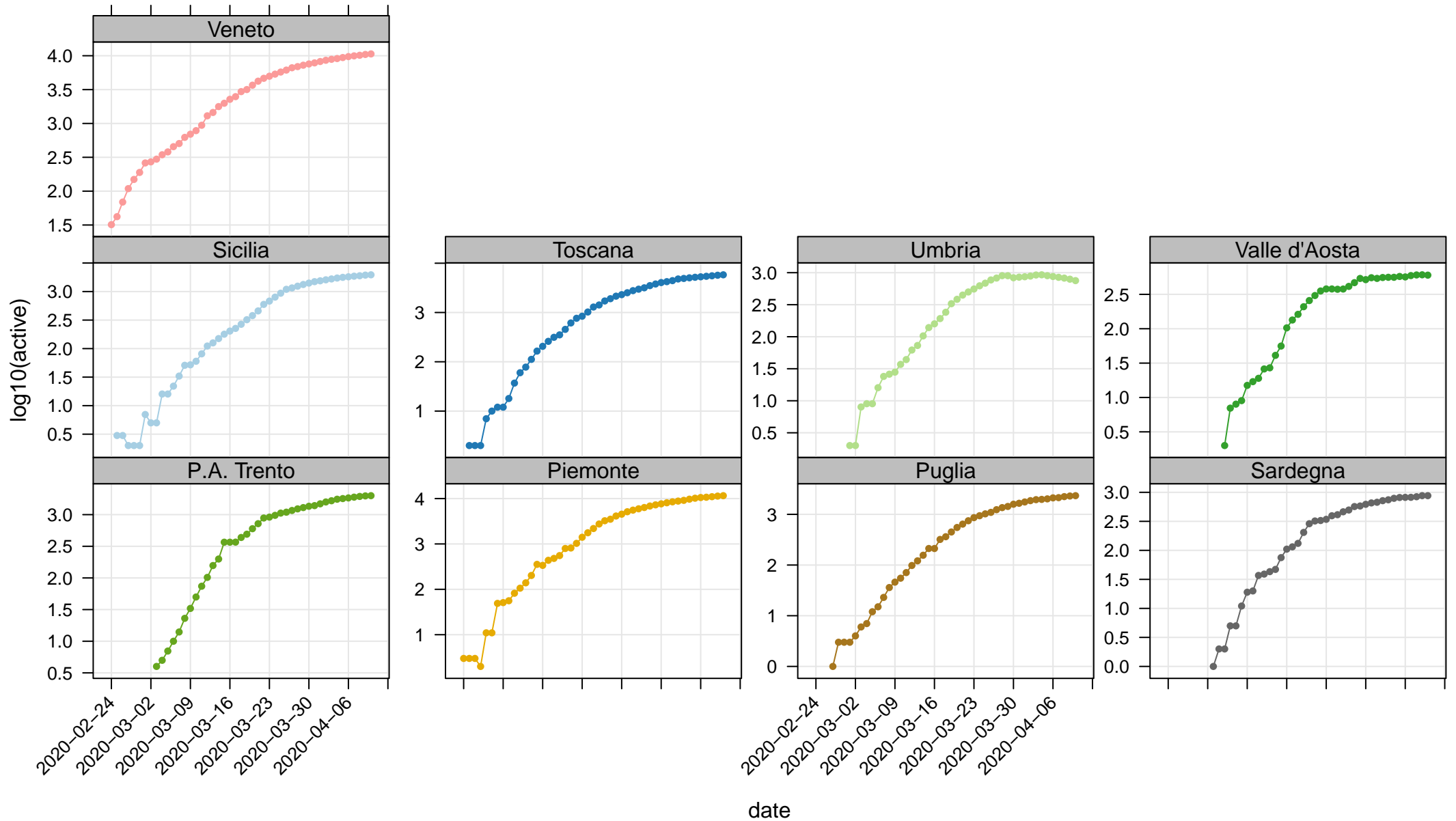




# ITALY – Log 10 Active cases of COVID-19 (last date in this graph is 2020-04-10)

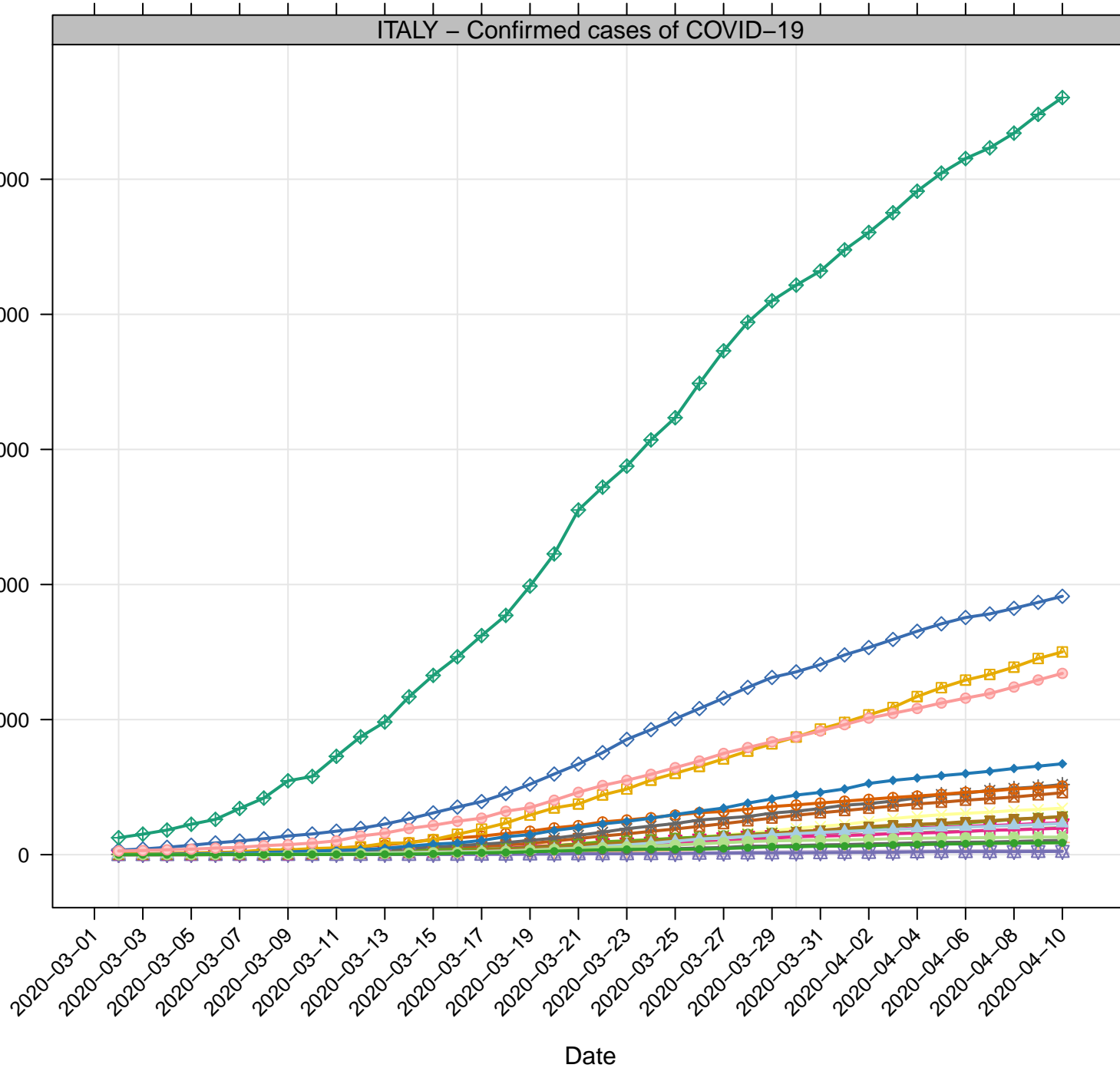


# ITALY – Log 10 Active cases of COVID-19 (last date in this graph is 2020-04-10)



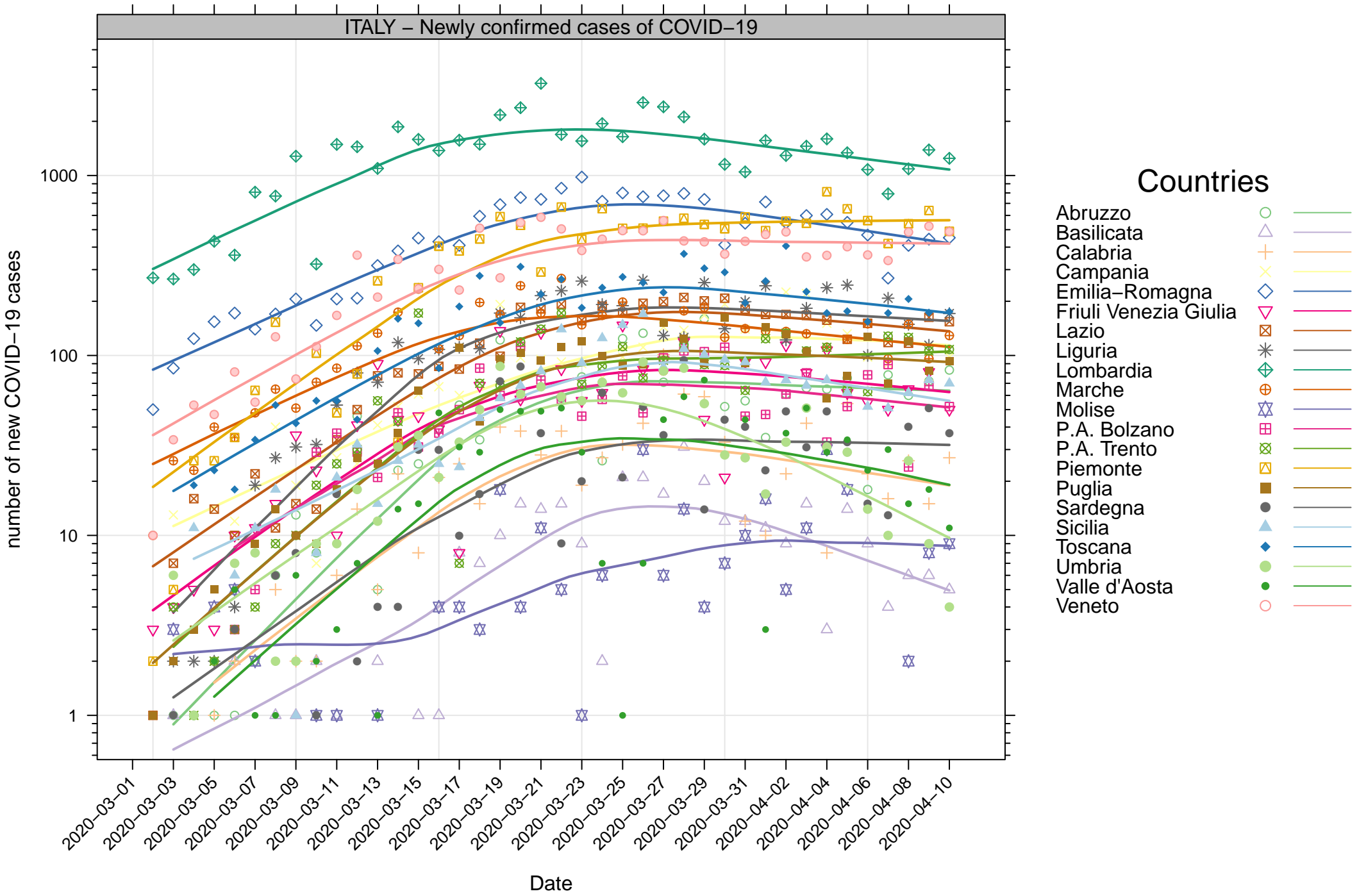
ITALY – Confirmed cases of COVID-19

log10 of number of new COVID-19 cases



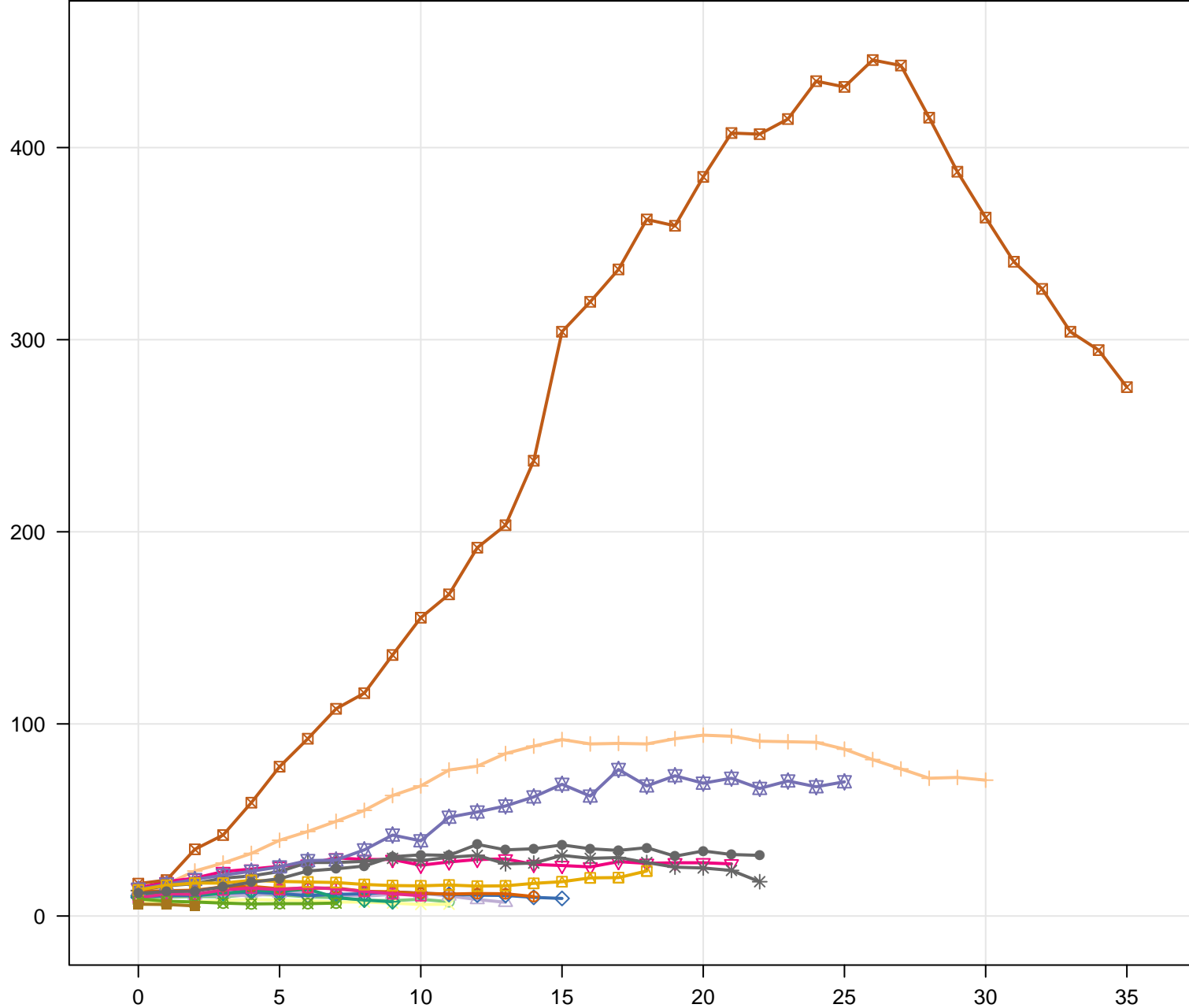
## Countries

- Abruzzo
- Basilicata
- Calabria
- Campania
- Emilia-Romagna
- Friuli Venezia Giulia
- Lazio
- Liguria
- Lombardia
- Marche
- Molise
- P.A. Bolzano
- P.A. Trento
- Piemonte
- Puglia
- Sardegna
- Sicilia
- Toscana
- Umbria
- Valle d'Aosta
- Veneto



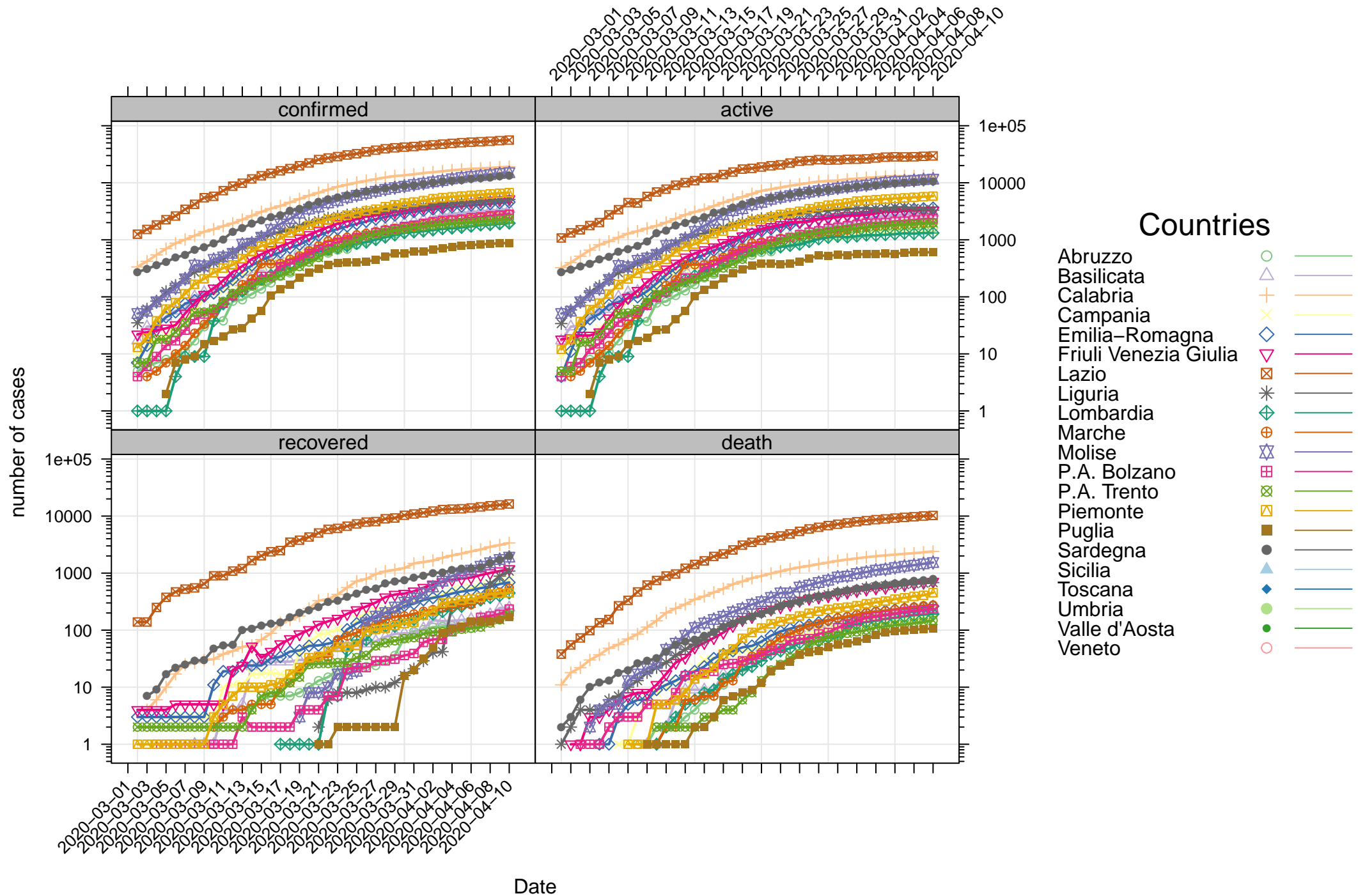
ITALY – Daily deaths (weekly moving average)

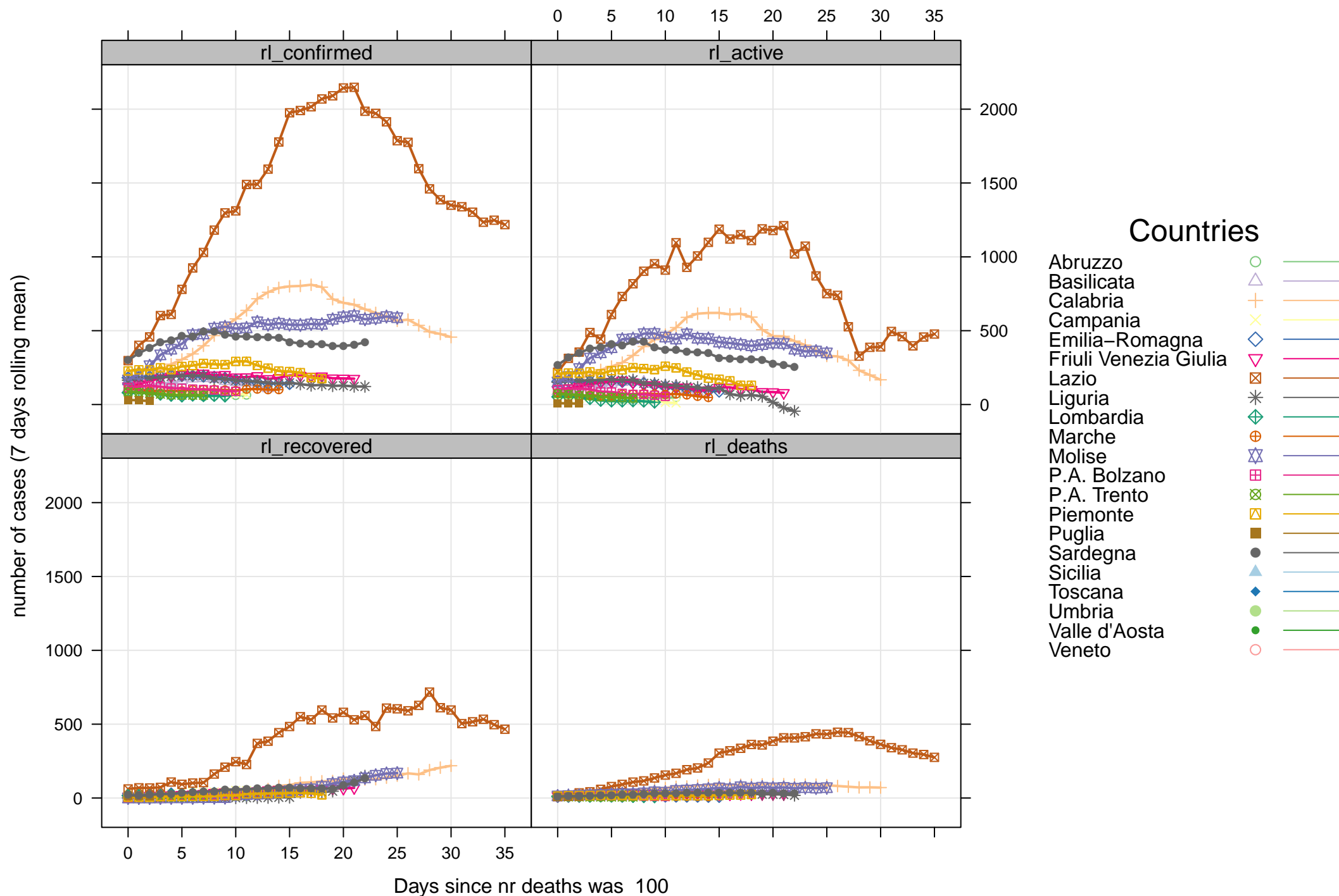
number of cases (7 days rolling mean)



## Countries

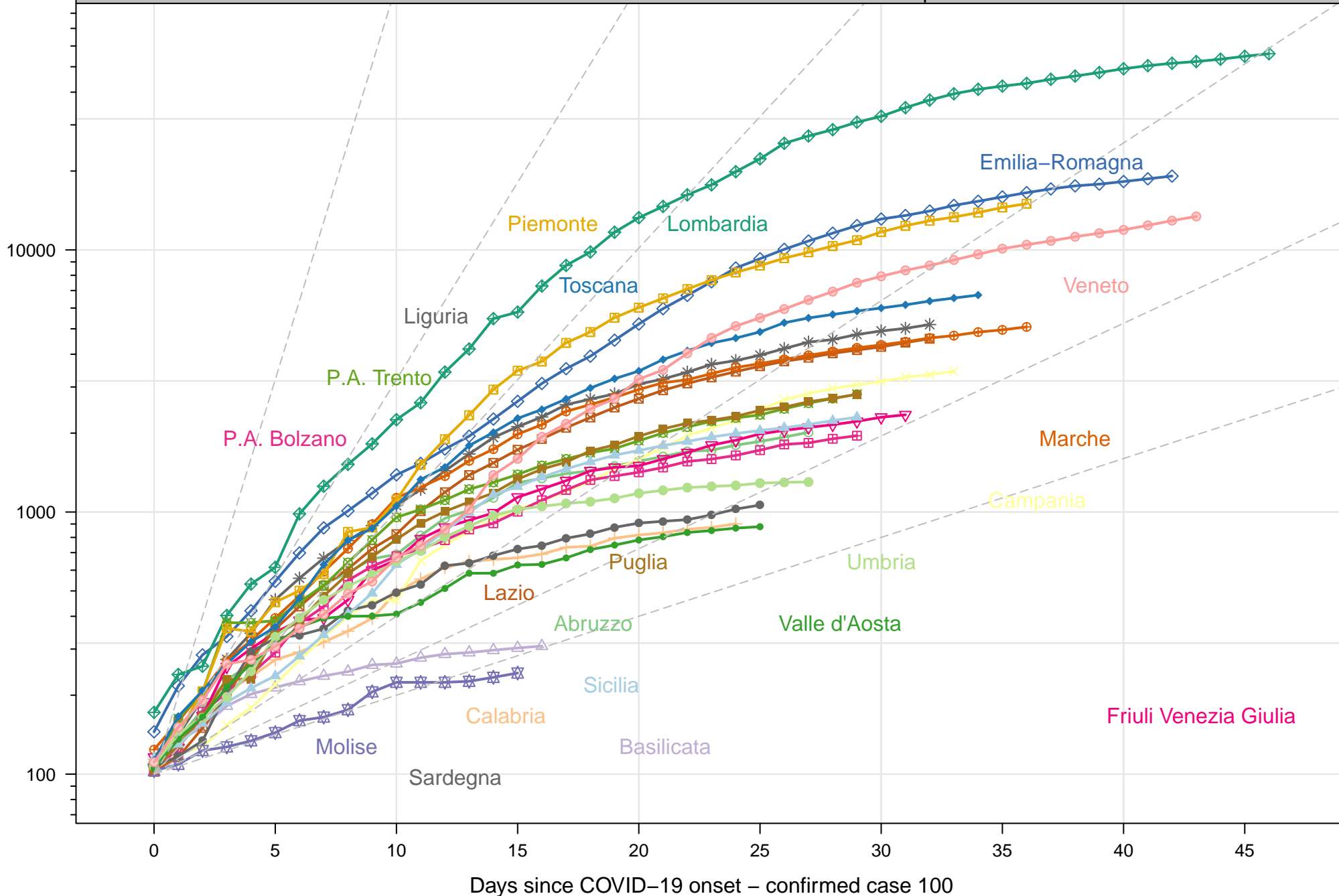
- Abruzzo
- Basilicata
- Calabria
- Campania
- Emilia-Romagna
- Friuli Venezia Giulia
- Lazio
- Liguria
- Lombardia
- Marche
- Molise
- P.A. Bolzano
- P.A. Trento
- Piemonte
- Puglia
- Sardegna
- Sicilia
- Toscana
- Umbria
- Valle d'Aosta
- Veneto



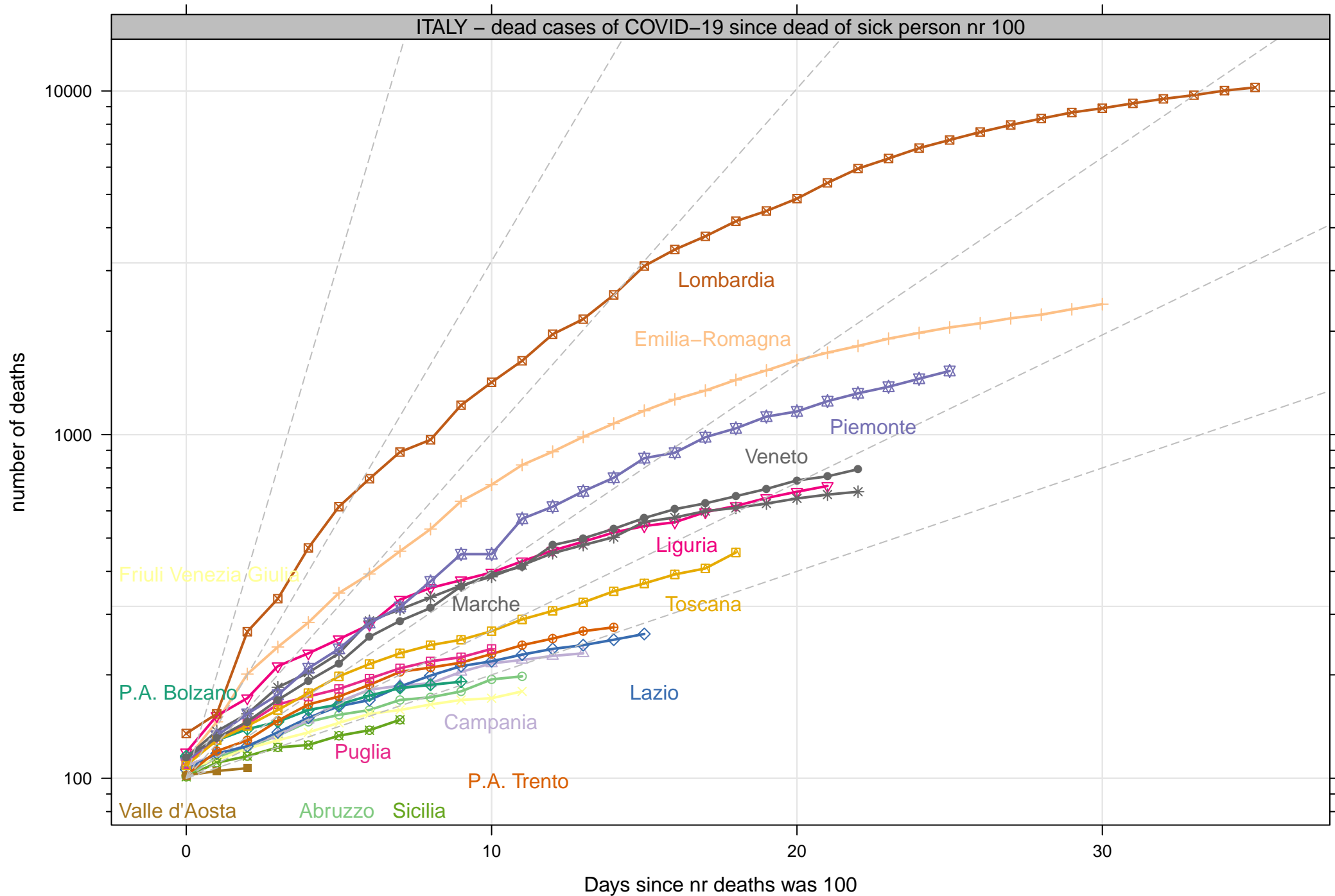


ITALY – confirmed cases of COVID-19 since onset of sick person nr 100

number of confirmed cases







ITALY – recovered cases of COVID-19 since recovered of sick person nr 100

number of recovered

10000

1000

100

0

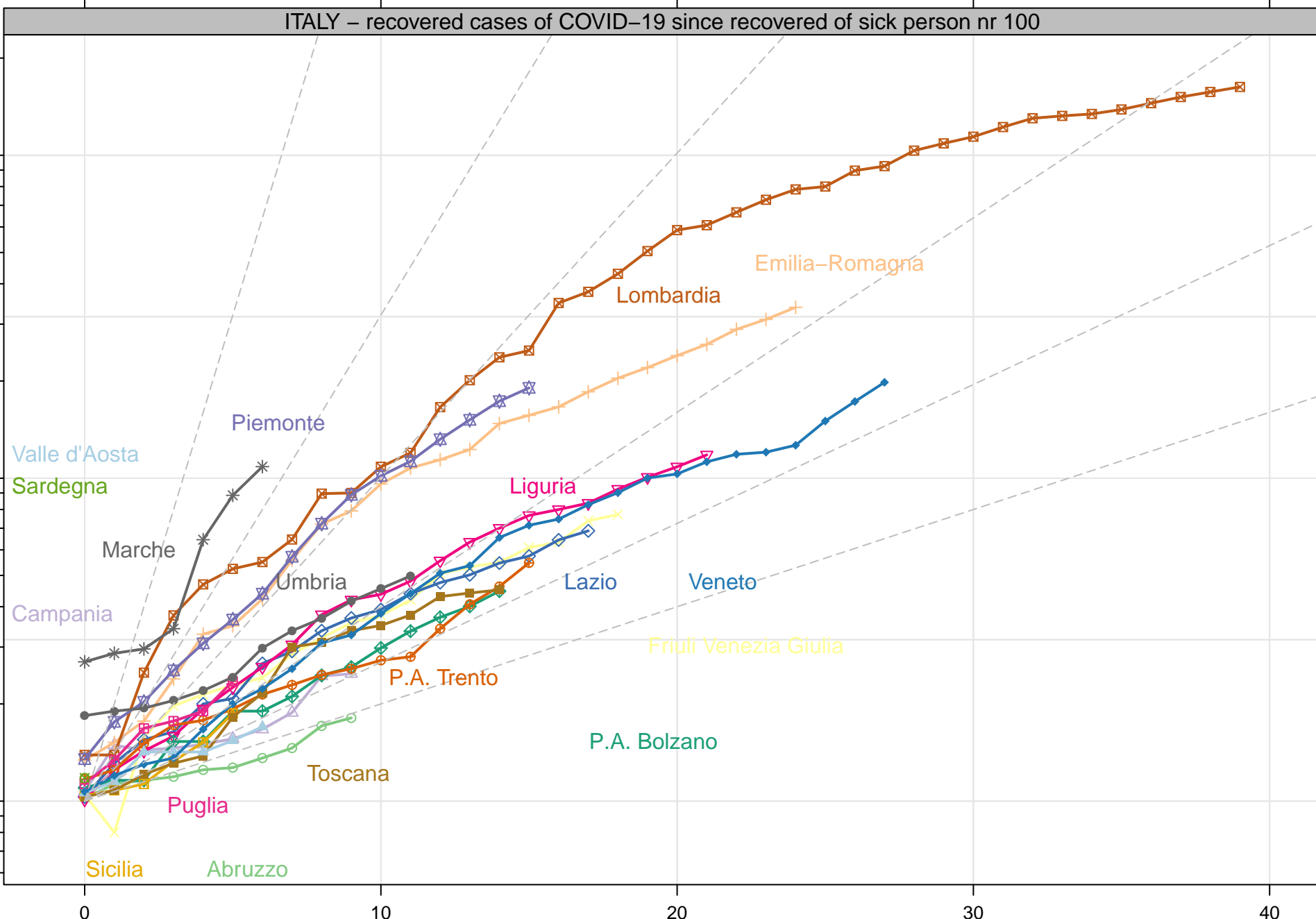
10

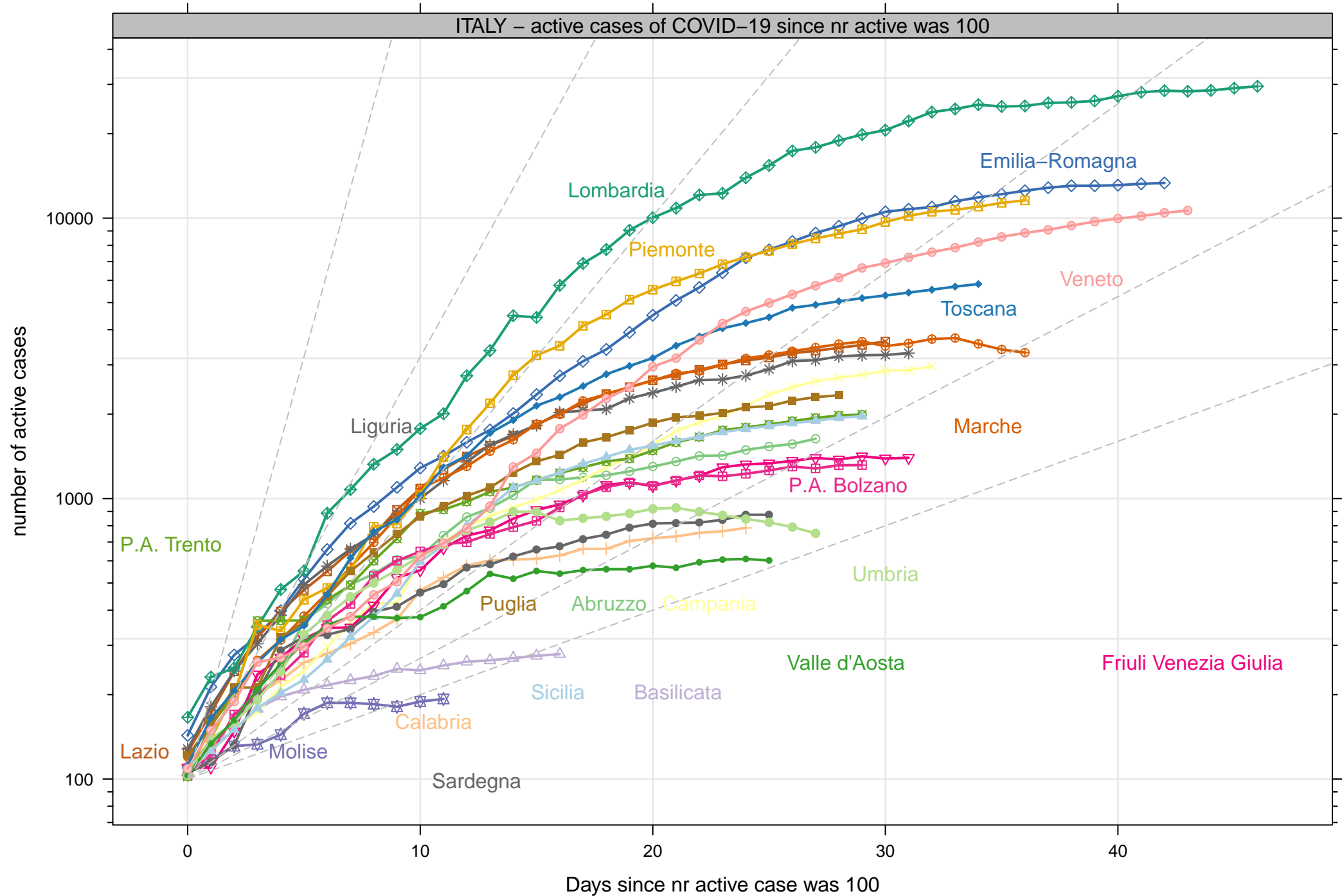
20

30

40

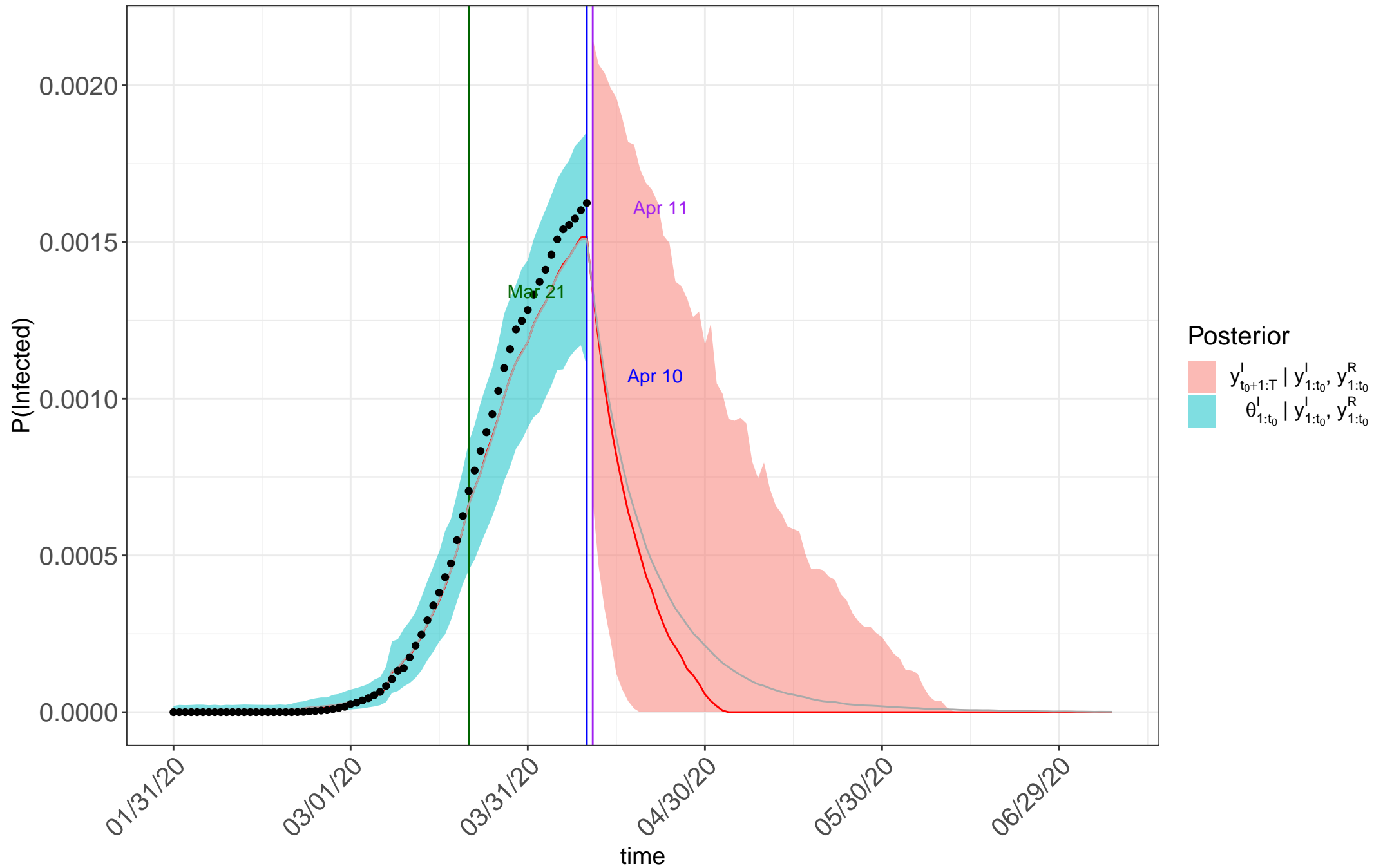
Days since nr recovered case was 100





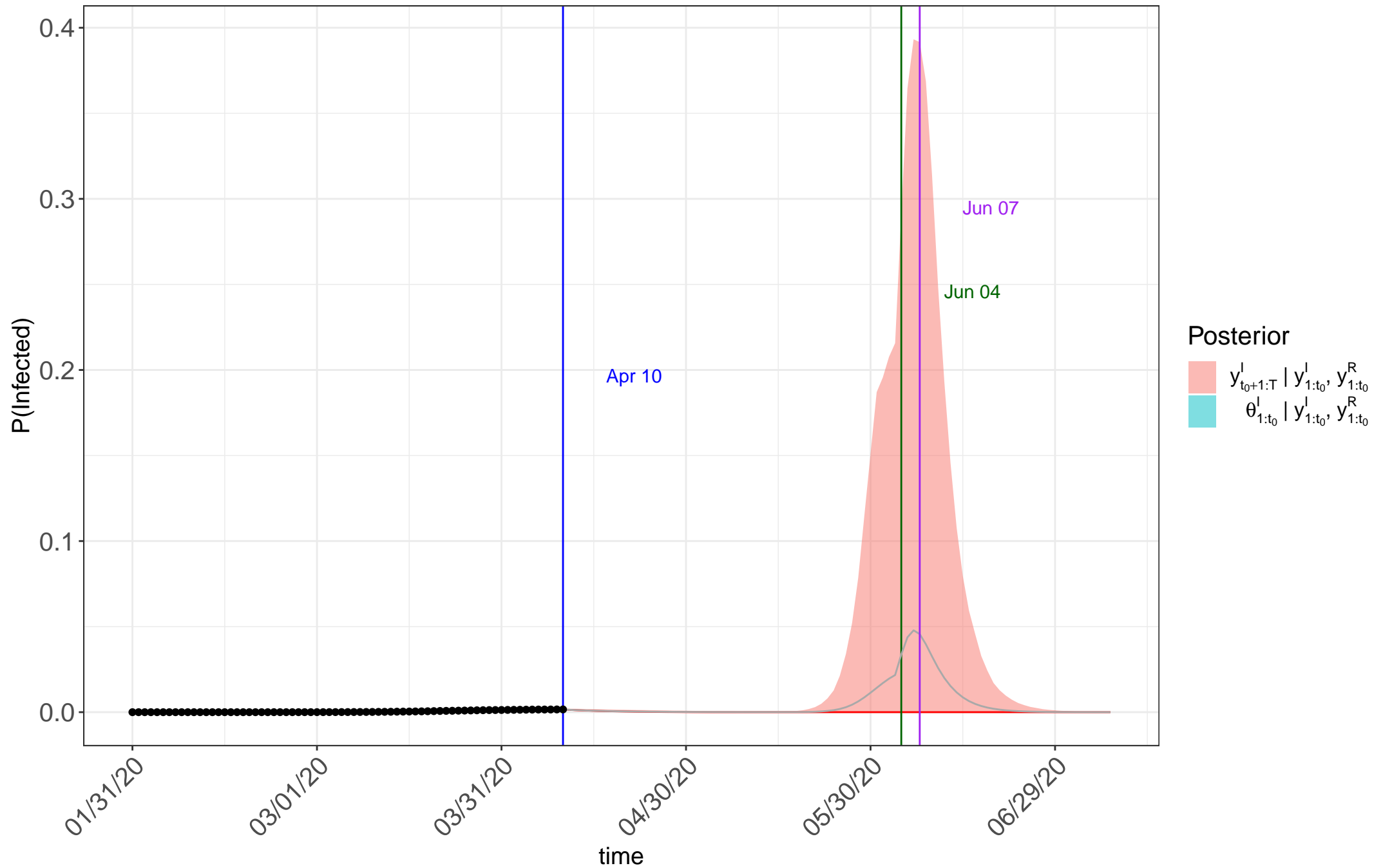
# Italy\_lockdown: infection forecast with prior $\beta_0=1, \gamma_0=0.865$ and $R_0=1.16$

Posterior  $\beta_p=1.32, \gamma_p=0.308$  and  $R_0=4.3$



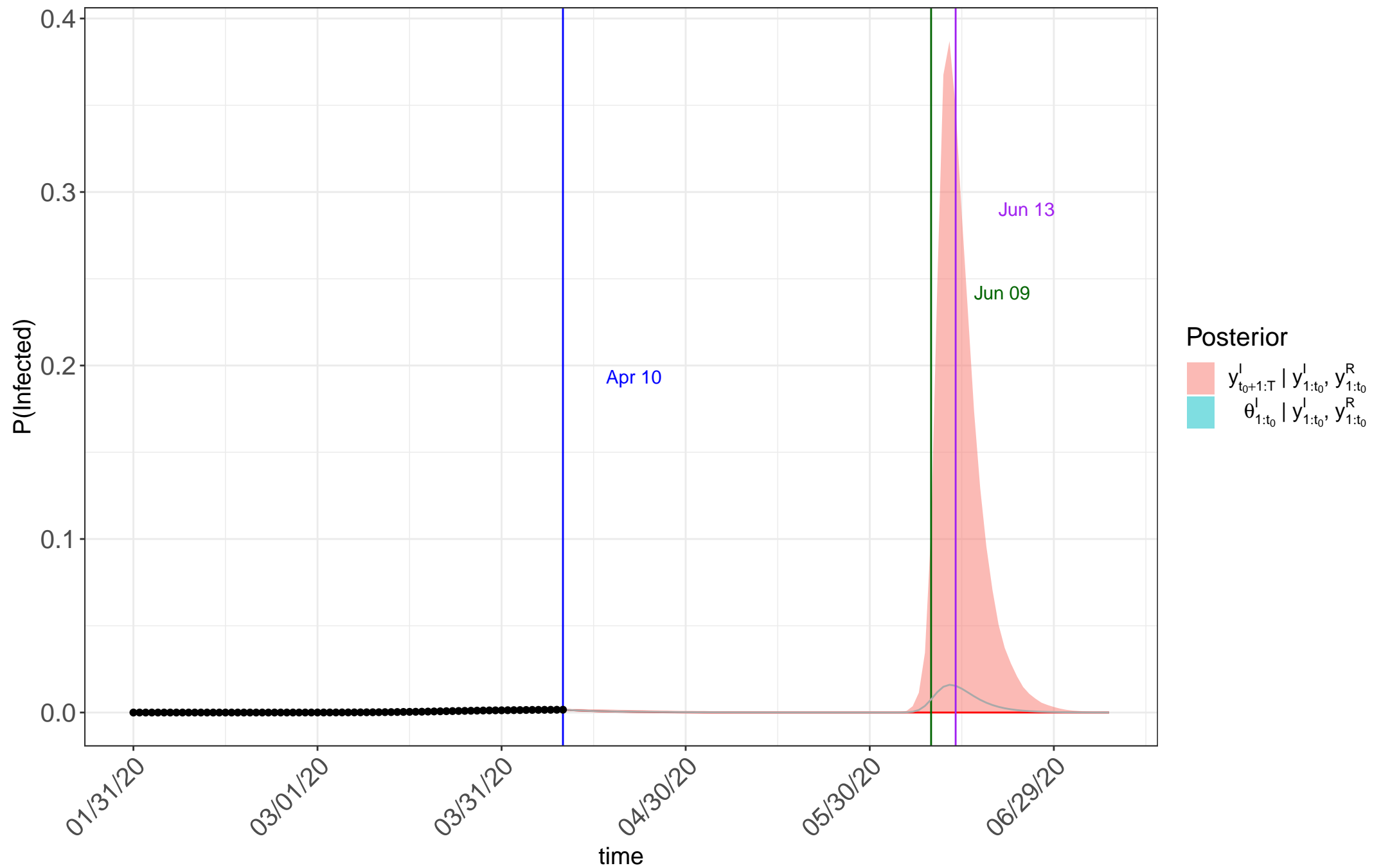
# Italy\_after\_1\_may\_and\_18\_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.865$ and $R_0=1.16$

Posterior  $\beta_p=1.65, \gamma_p=0.369$  and  $R_0=4.48$



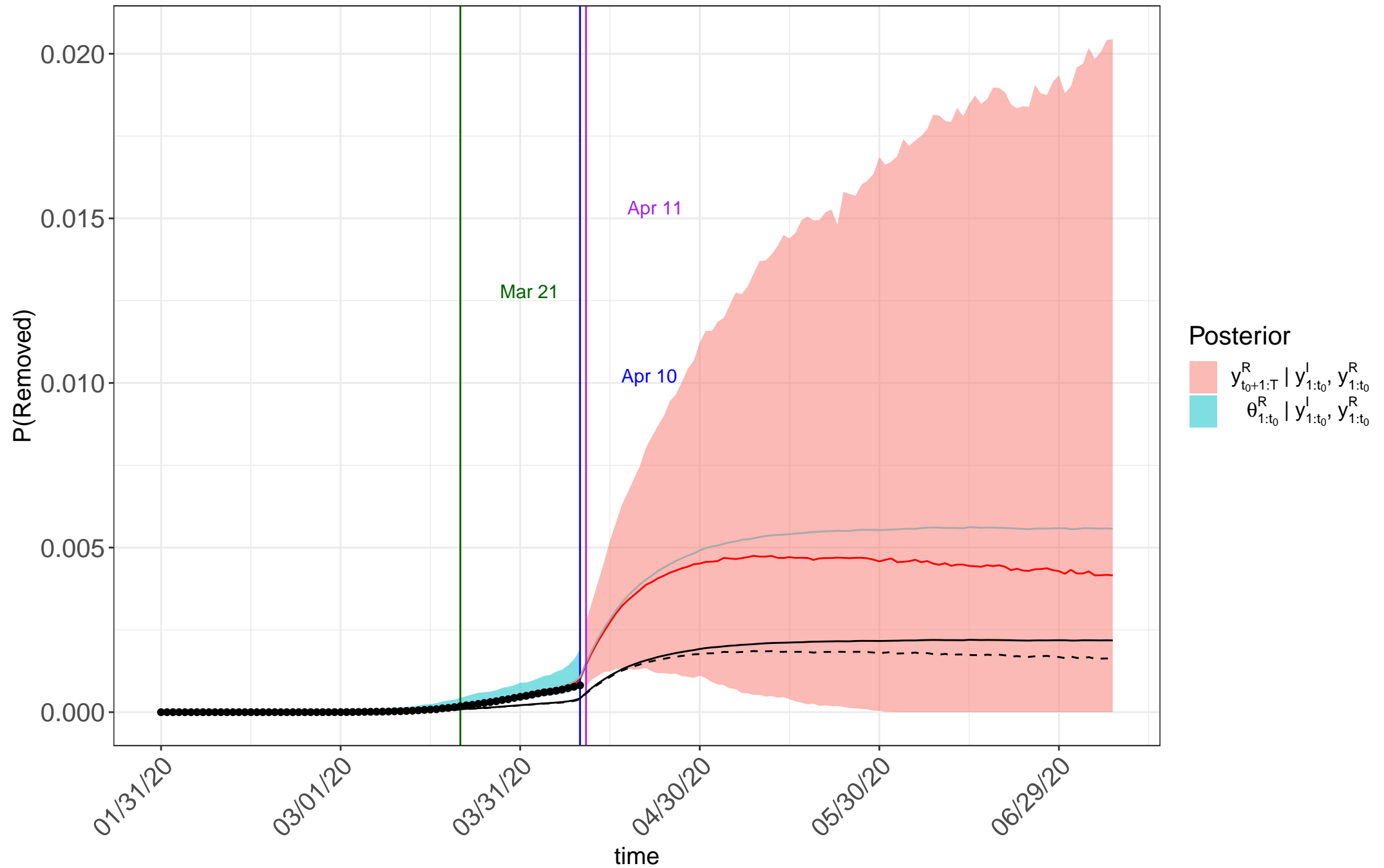
# Italyafter\_2\_june\_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.865$ and $R_0=1.16$

Posterior  $\beta_p=1.59, \gamma_p=0.356$  and  $R_0=4.5$



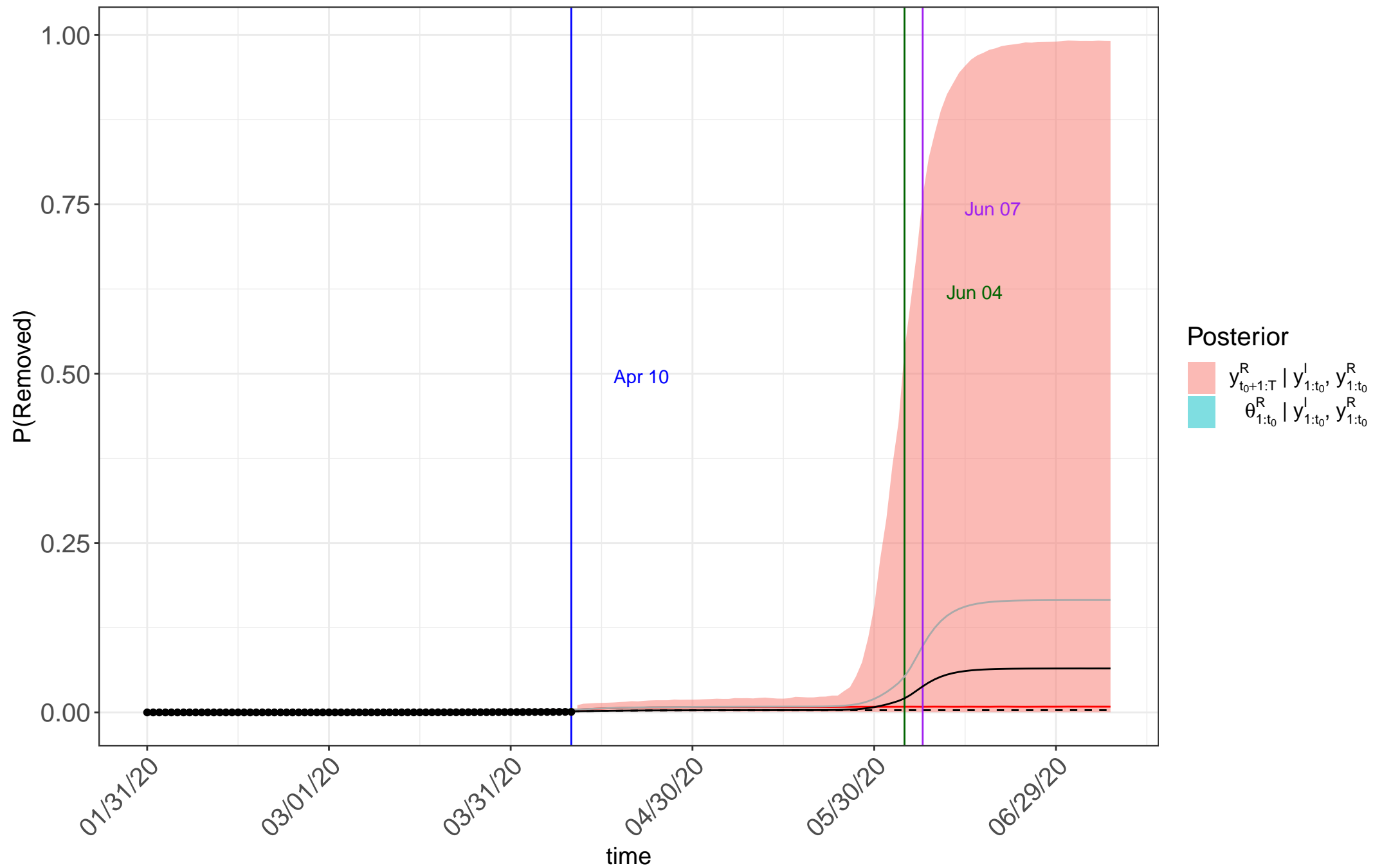
# Italy\_lockdown: removed forecast with prior $\beta_0=1, \gamma_0=0.865$ and $R_0=1.16$

posterior:  $\beta_p=1.32, \gamma_p=0.308$  and  $R_0=4.3$



Italy\_after\_1\_may\_and\_18\_reopen: removed forecast with prior  $\beta_0=1, \gamma_0=0.865$  and  $R_0=1.16$

posterior:  $\beta_p=1.65, \gamma_p=0.369$  and  $R_0=4.48$





Italyafter\_2\_june\_reopen: removed forecast with prior  $\beta_0=1, \gamma_0=0.865$  and  $R_0=1.16$

posterior:  $\beta_p=1.59, \gamma_p=0.356$  and  $R_0=4.5$

