Covid-19 evolution, Europe (data from JHU CSSE, 5/17/20)

Total number of confirmed

Total number of confirmed (log scale)

confirmed by day \( \frac{\Delta \text{confirmed}}{\Delta t} \)

confirmed by day \( \frac{\Delta \text{confirmed}}{\Delta t} \) (log scale)

Growth rate (%) of confirmed \( \frac{\Delta \text{confirmed}}{\text{confirmed}} \)

Acceleration of confirmed \( \frac{\Delta^2 \text{confirmed}}{\Delta t^2} \)

doubles every 6 days
doubles every 7 days
doubles every 8 days
doubles every 9 days
doubles every 10 days
doubles every 15 days
doubles every 30 days

Growth rate (%) of confirmed \( \frac{\Delta \text{confirmed}}{\text{confirmed}} \)

Acceleration of confirmed \( \frac{\Delta^2 \text{confirmed}}{\Delta t^2} \)