Covid-19 evolution, South America (data from JHU CSSE, 6/1/20)

Total number of deaths for 10^6 people

deaths by day for 10^6 people (\frac{\Delta \text{deaths}}{\Delta t} \cdot 10^6 \text{ population})

Total number of deaths for 10^6 people (log scale)

deaths by day for 10^6 people (\frac{\Delta \text{deaths}}{\Delta t} \cdot 10^6 \text{ population}) (log scale)

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

Acceleration of deaths for 10^6 people (\frac{\Delta^2 \text{deaths}}{\Delta t^2} \cdot 10^6 \text{ population})

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

29/03 12/04 28/04 12/05 26/05 09/06

0.6 0.4 0.2 0.0

-0.2 -0.4 -0.6