Covid-19 evolution, 15 most affected countries (data from JHU CSSE, 11/8/21) Growth rate (%) of confirmed $\left(\frac{\Delta confirmed}{confirmed}\right)$ Total number of confirmed Total number of confirmed (log scale) 1e7 1.75 -_Brazil 1.50 10^{7} 1.25 1.00 South-Africa 0.50 0.00 01/11 01/01 01/03 01/05 01/07 01/09 01/11 01/01 01/11 01/01 01/03 01/05 01/07 01/09 01/11 01/01 01/01 01/03 01/05 01/07 01/09 01/11 01/01 Acceleration of confirmed $\left(\frac{\Delta^2 confirmed}{(\Delta^2)^2}\right)$ confirmed by day $\left(\frac{\Delta confirmed}{\Delta t}\right)$ confirmed by day $\left(\frac{\Delta confirmed}{\Delta t}\right)$ (log scale) 350000 10000 300000 250000 5000 200000 150000 100000 -5000 50000 -1000001/01 01/01 01/03 01/05 01/07 01/09 01/11 01/01 01/01 01/05 01/01 01/01 01/03 01/05 01/07 01/09 01/11 01/03 01/07 01/09 01/11