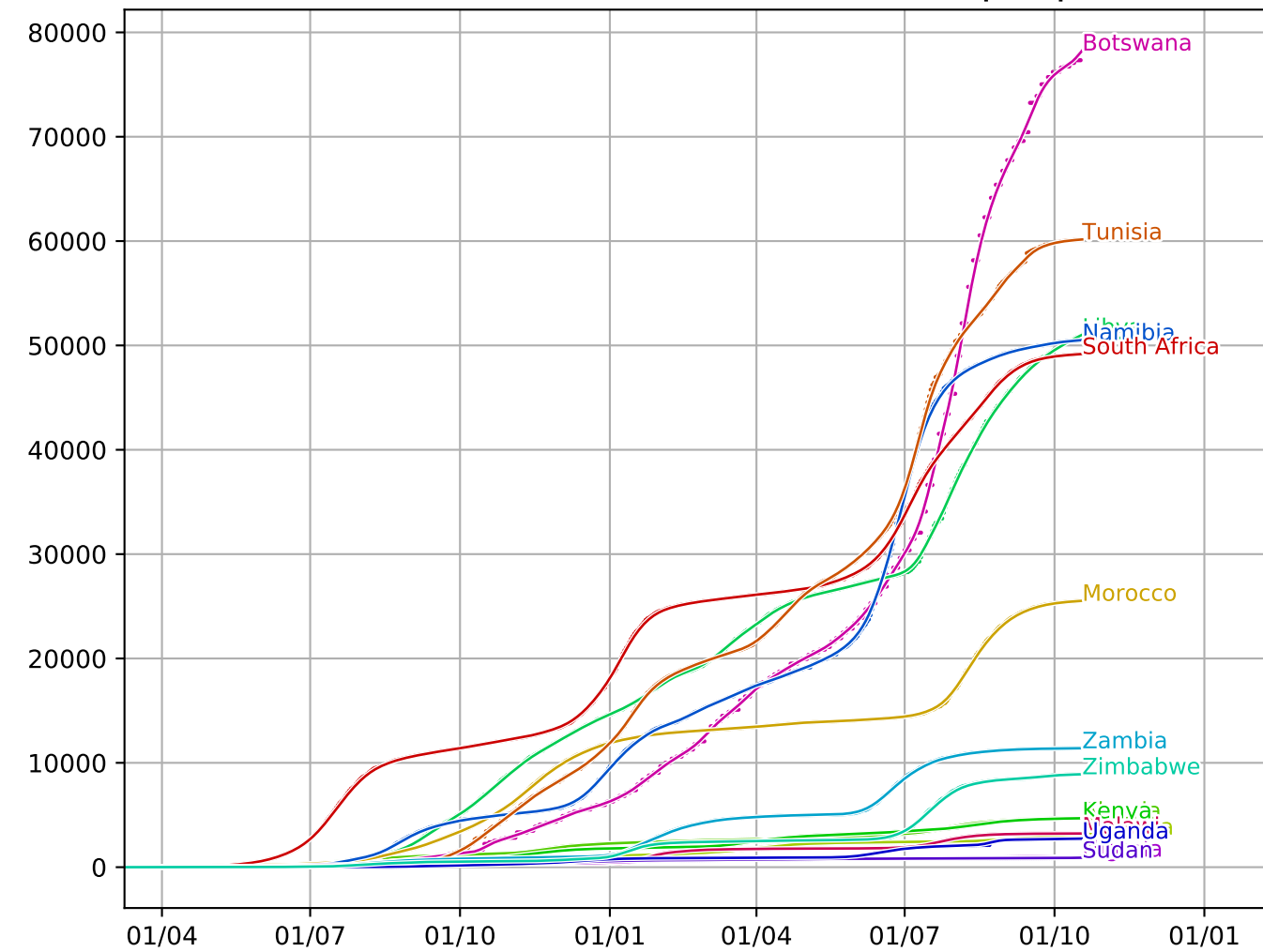
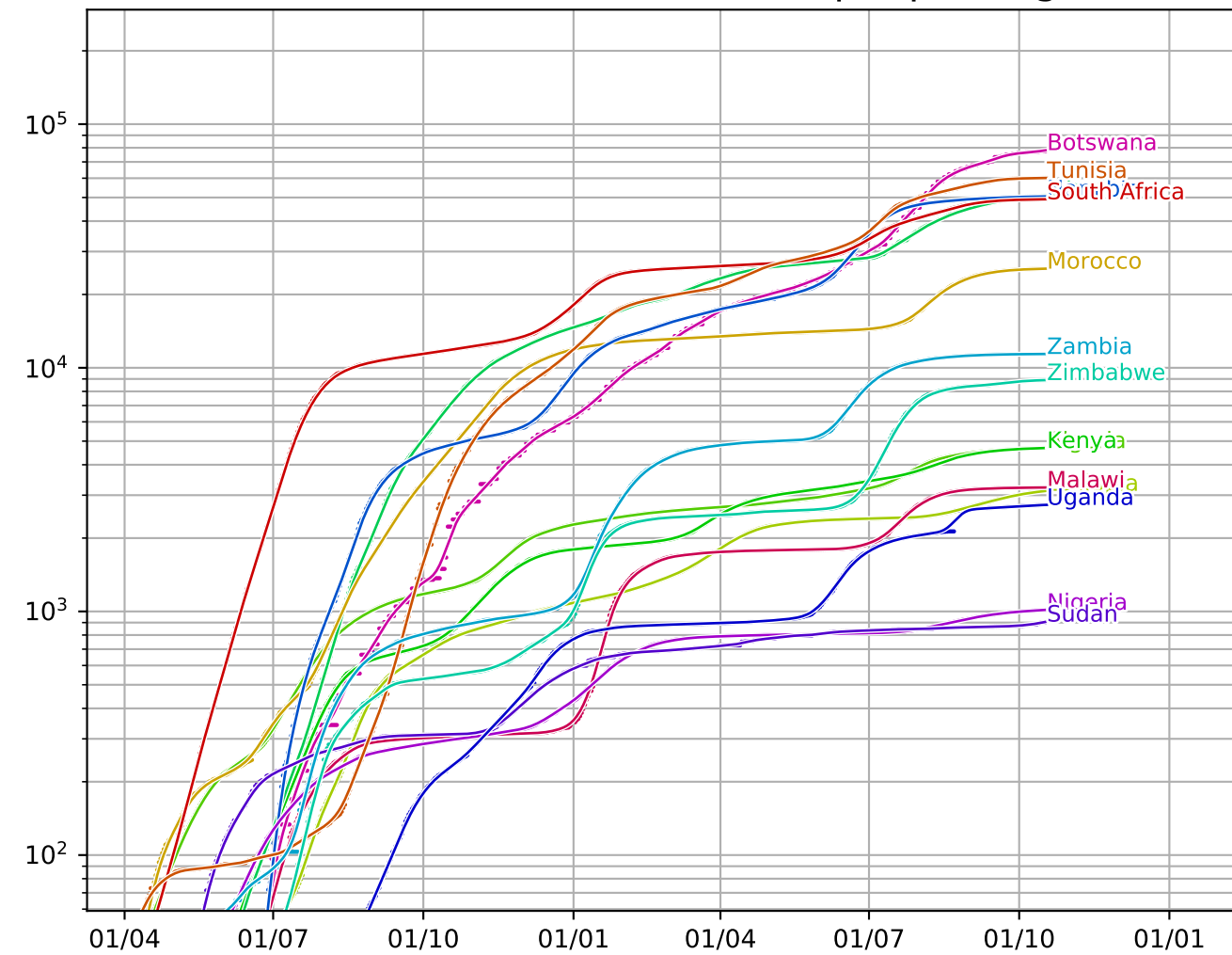


Covid-19 evolution, Africa (data from JHU CSSE, 10/18/21)

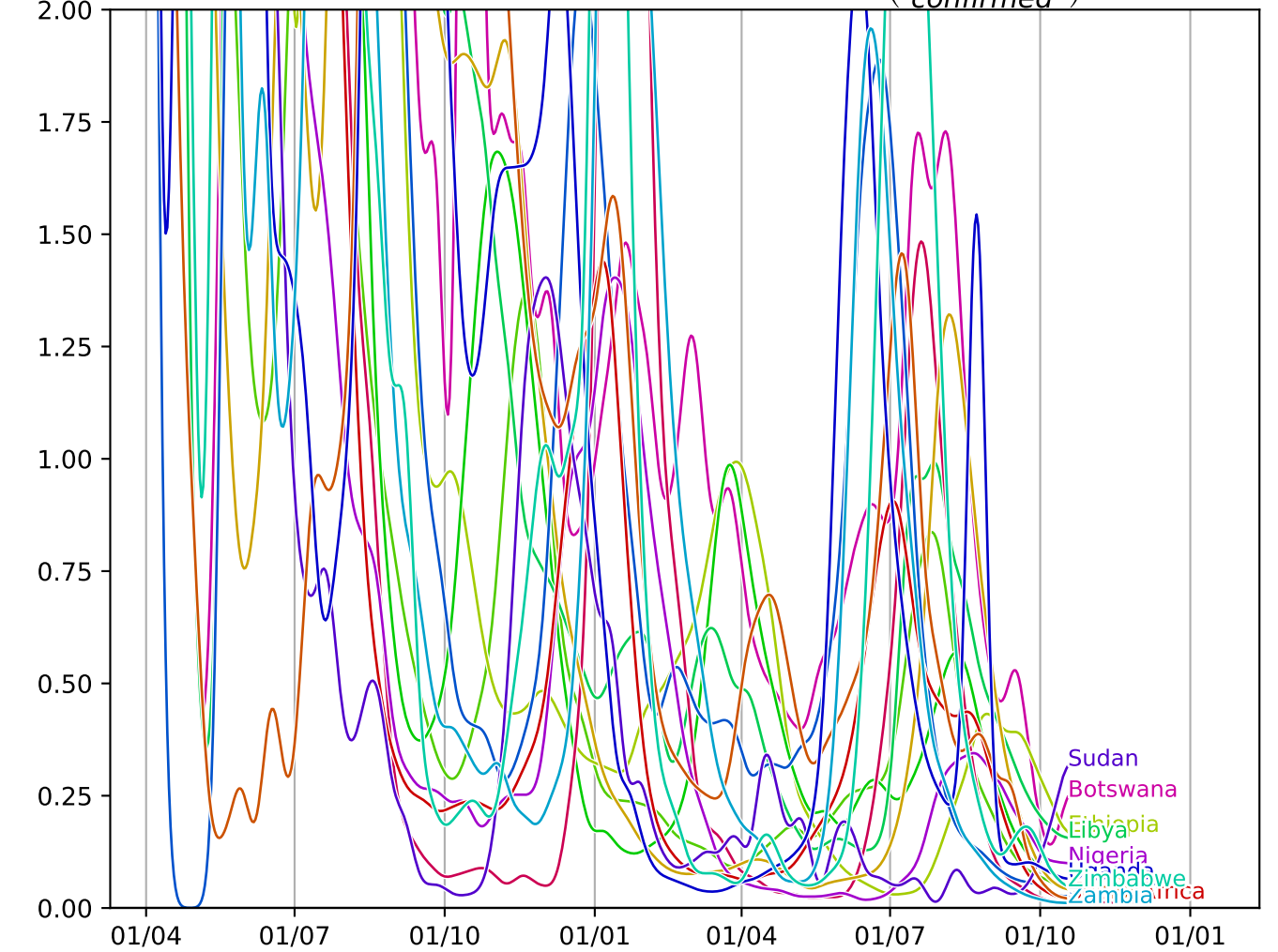
Total number of confirmed for  $10^6$  people



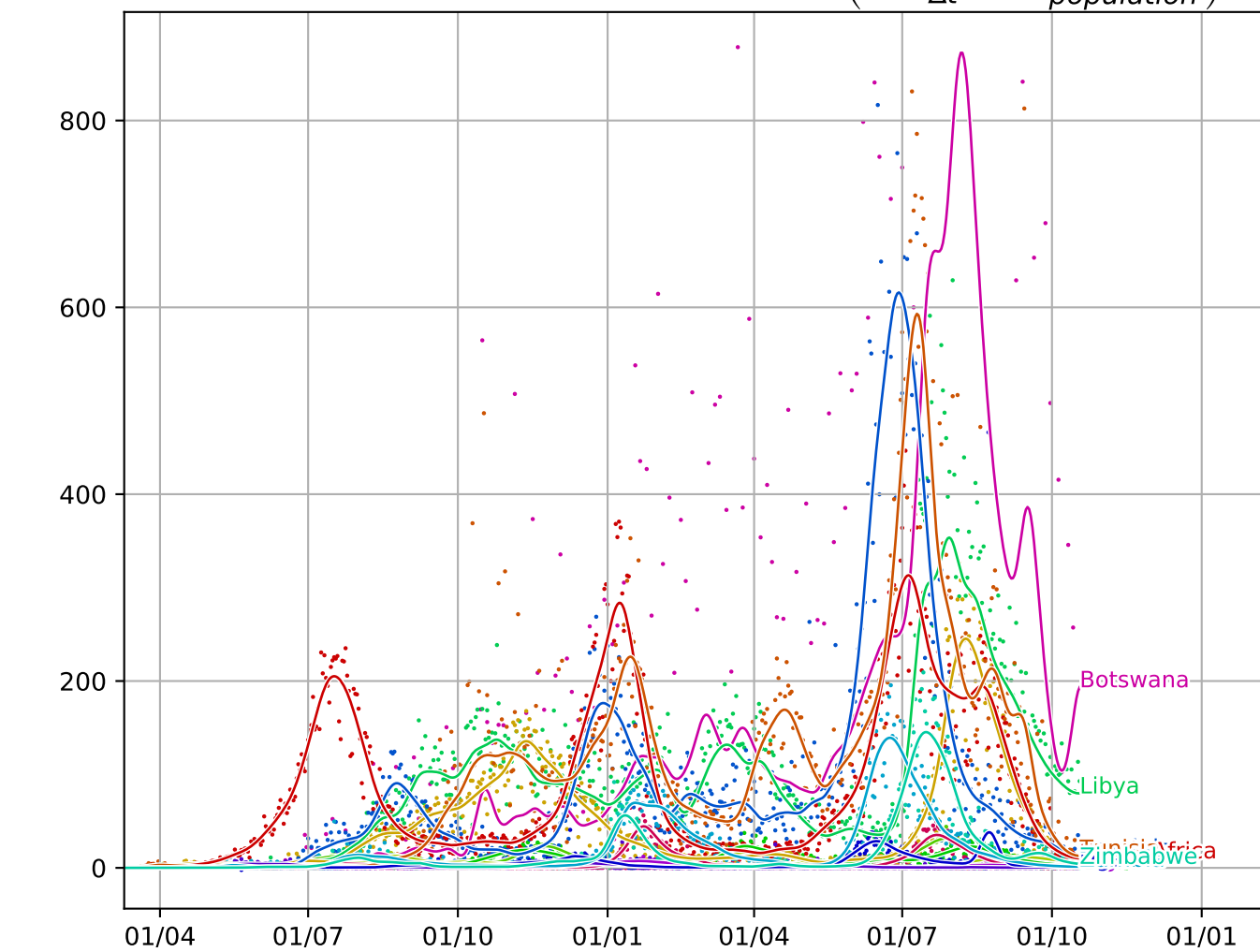
Total number of confirmed for  $10^6$  people (log scale)



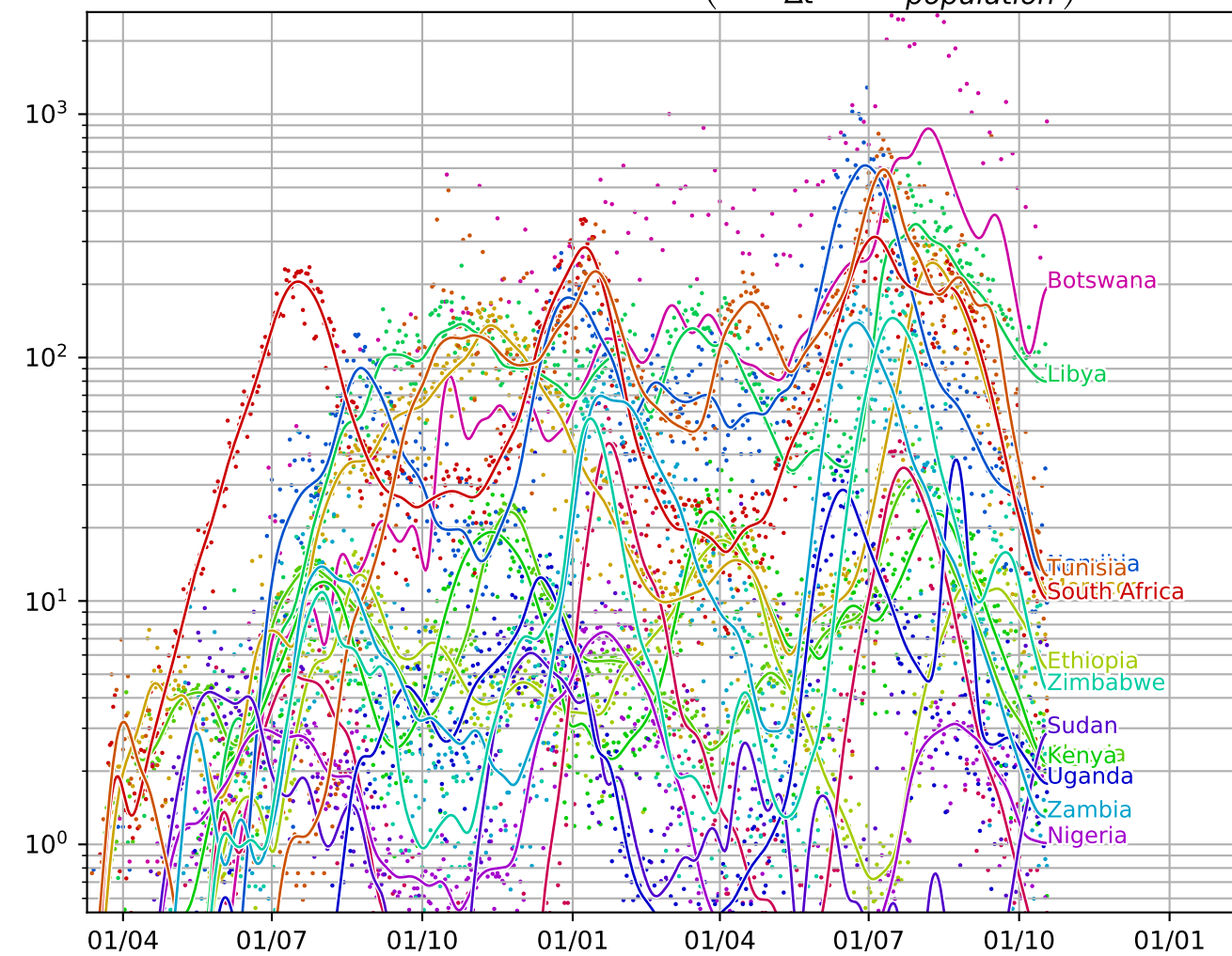
Growth rate (%) of confirmed  $\left(\frac{\Delta \text{confirmed}}{\text{confirmed}}\right)$



confirmed by day for  $10^6$  people  $\left(\frac{\Delta \text{confirmed}}{\Delta t} \cdot \frac{10^6}{\text{population}}\right)$



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



Acceleration of confirmed for  $10^6$  people  $\left(\frac{\Delta^2 \text{confirmed}}{(\Delta t)^2} \cdot \frac{10^6}{\text{population}}\right)$

