fit_on_criticals.pdf(smoothed=True)

beta=0.375,sigma=0.313,gamma=0.18,hp=0.017,hcr=0.03,pc=0.08,pd=0.04,pcr=0.24,s=0.74,t=0.37

$S_0=999957, E_0=21, I_0=21, R_0=0, H_0=1, C_0=0, D_0=0$