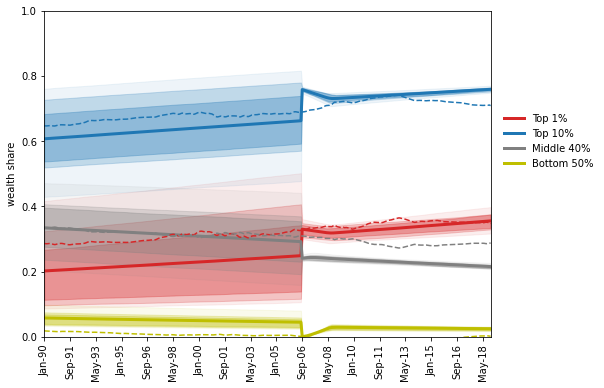
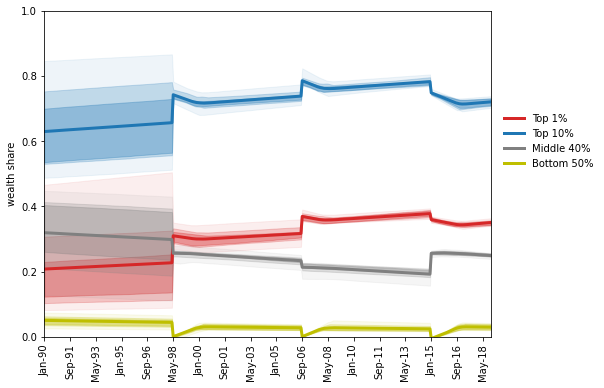
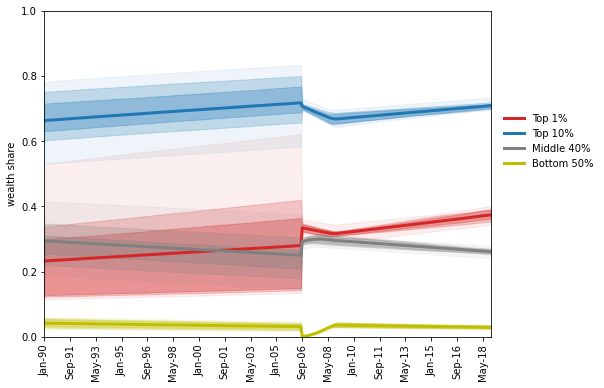
**07/06/2023**

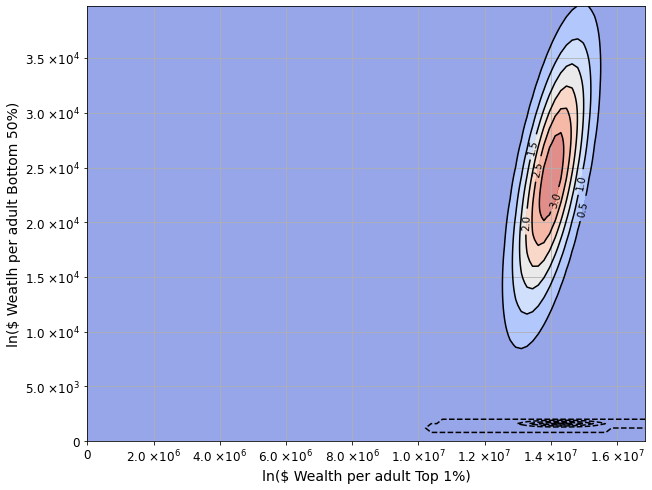
**Kalman filter does not seem to work, that is it doesn’t correct “in the right direction”:**



**First tests with EnKF update steps. Variance in model runs seems only to stem from initial conditions and disappears mostly once the update step is proceeded. What to do about that?**

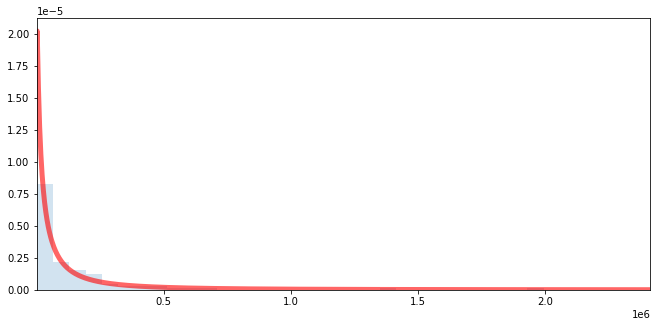




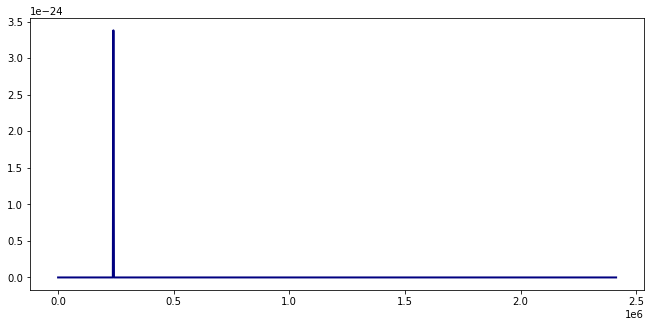
**Also The model becomes a lot more certain about richest part of population but less so about poorest part ?**

**11/05/2023**

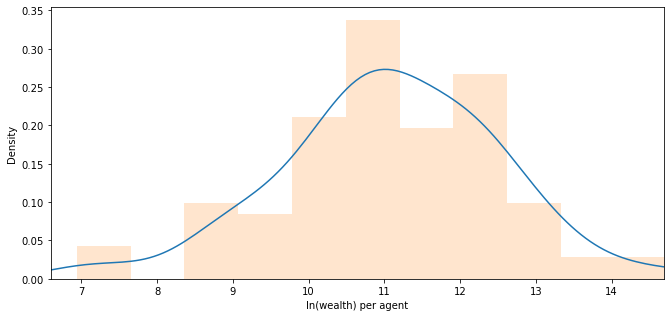
Micro system state basically weatlh distr. Over agents



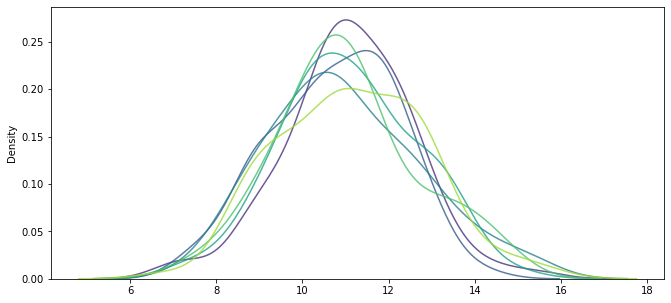
Kernel density estimates doesn’t work on this kind of fat tailed distr.

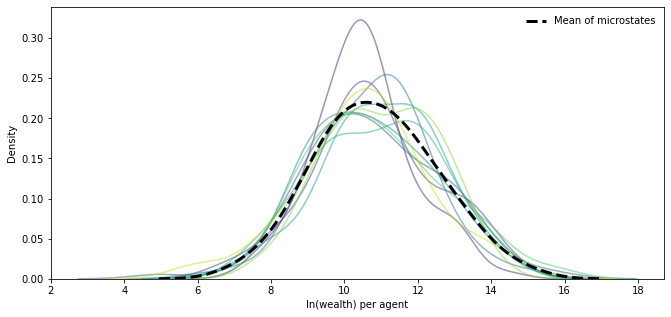


Hence log transformed wealth is taken



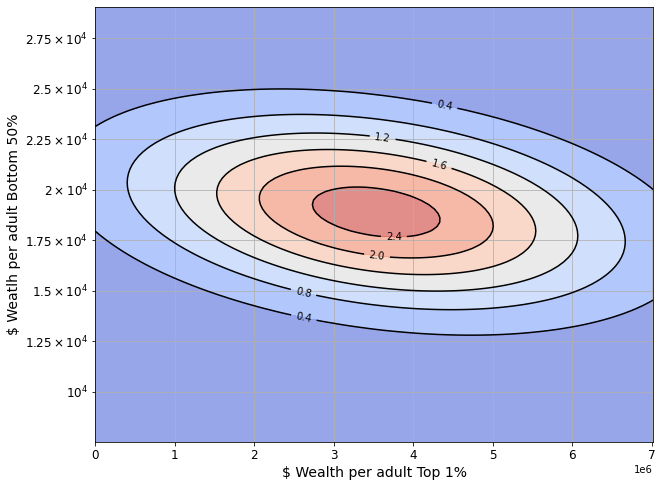
This is the ensemble of microstates. Where the x-axis is ln(wealth) of agents





Before 11/05/2023

Attempts at plotting macro-state of EnkF



Plotting these variables logged is weird also.

