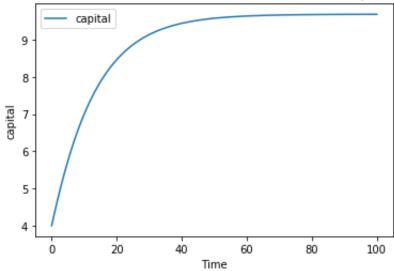
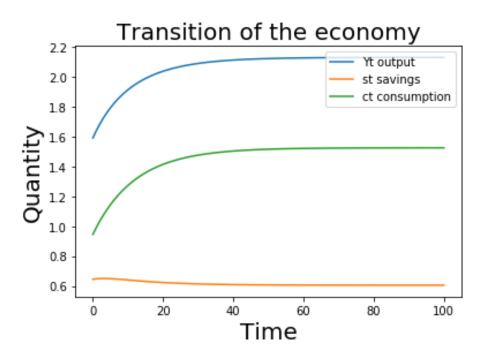
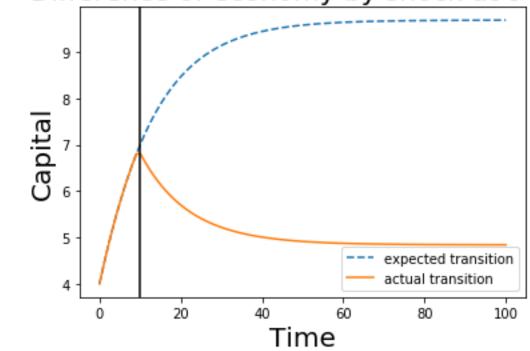
# 1st Question:

Transition of K from first S.S to second S.S, first 100 times

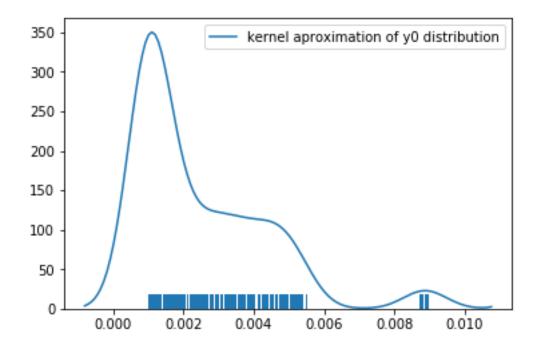




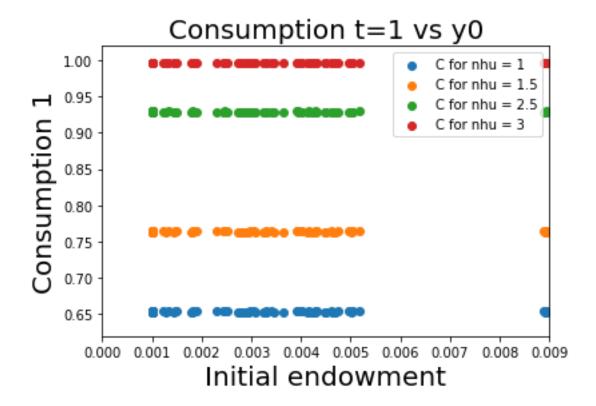
Difference of economy by shock at t=10



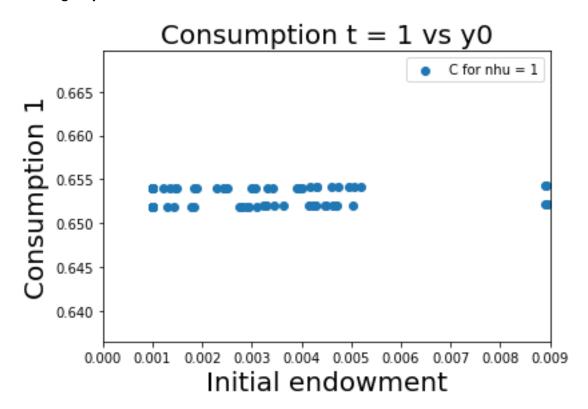
## Question 2:

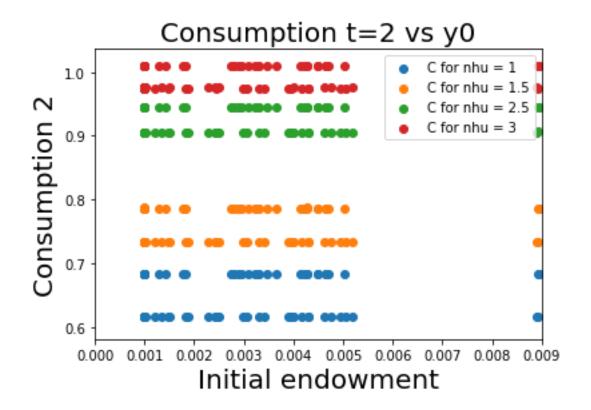


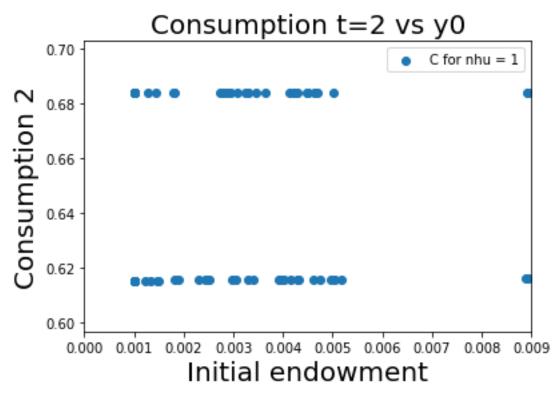
## FIGURE(1) AND FIGURE(3)

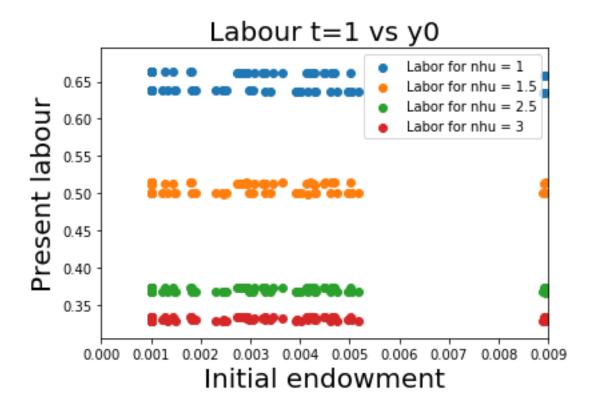


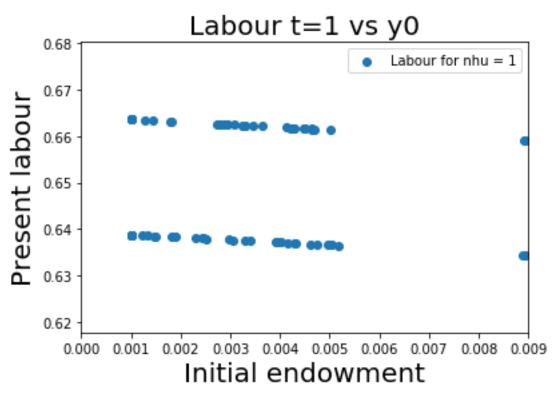
## Focusing only in NHU = 1:

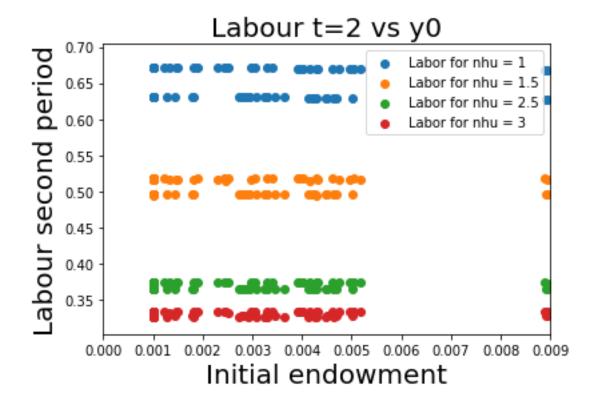


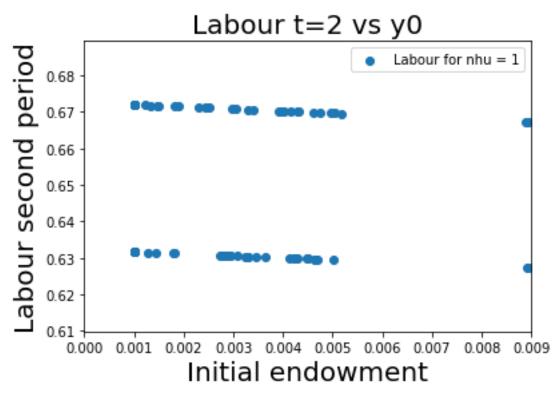


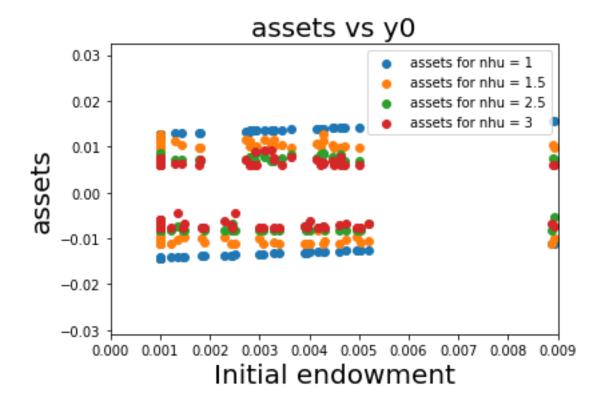


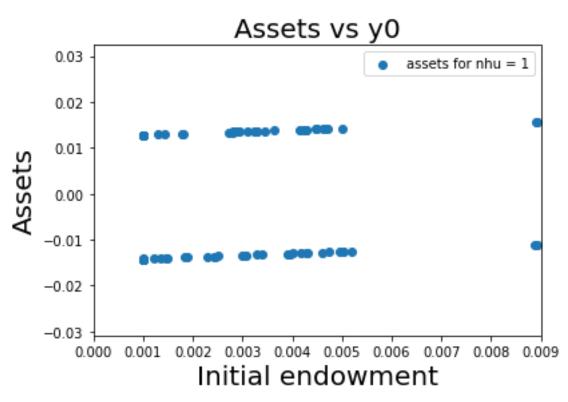






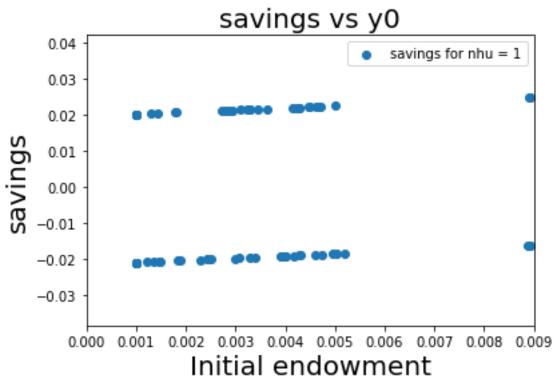




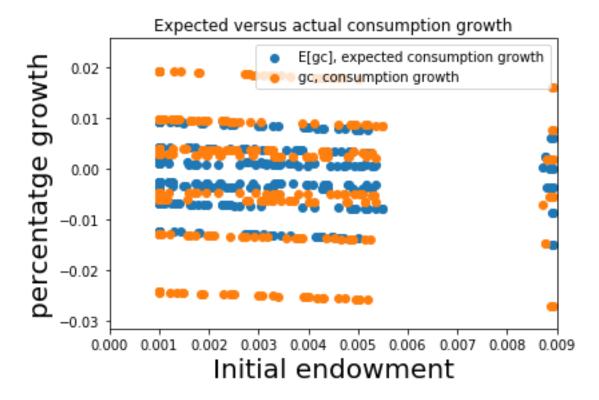


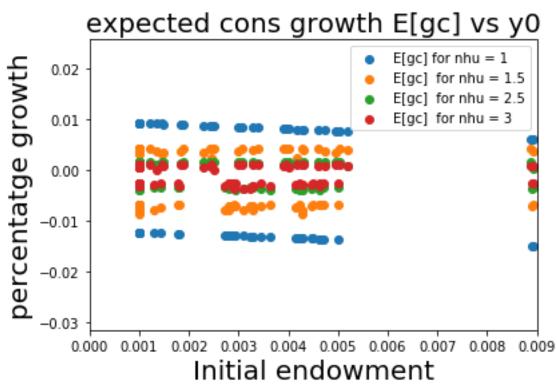
# FIGURE (2):

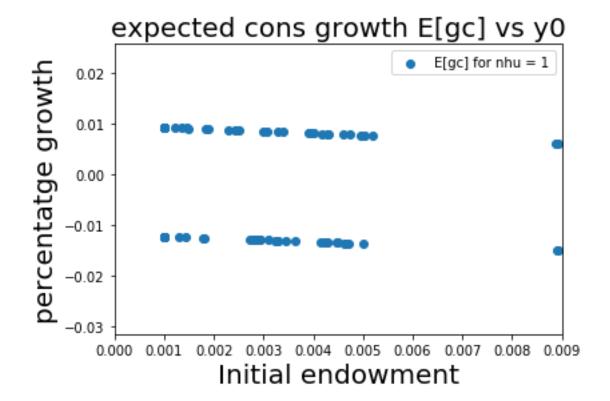




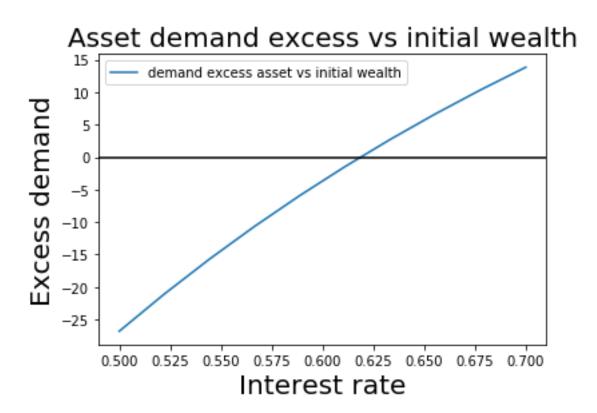
# FIGURE(5):







FIGURE(6):



Consumption assets and labor in t=1 should not differ among individuals with same ability and same initial endowment this lead me to think that somehow individuals are infering the future shock epsilon and answering optimizing with that information, which not follow the logic of the problem. Hence, I have a mistake in the whole question. Nevertheless, I will continue with this mistake for the sake of making a big part of the task, but I am completly aware of my error.

I have run out of time, but I know now quite well the whole process to make the following steps:

In the case of taxes and lump sum transferences I should add a loop on my former system of equation where every time I estimate the optimal allocations I recalculate T1 and T2 such that the sum of the taxes on labour income of this equilibrium is split it equally among everyone. So I iterate again with the new lump sum values, stopping the algorithm when the lump sums between iterations are arbitrarily small.

Besides, I know that my problem with the behaviour of my individuals, taking into account the actual values of their epsilons is in the FOC'S and the feasibility intertemporal constraint I add, so If I would have more time I would try to check them out.