

The codes that do serious computation work are written in Fortran (we used Compaq Digital Fortran as a compiler). Fortran produces ascii output files, several of which are then used by Matlab to make graphs and compute relevant statistics. All codes are extensively commented and should be pretty self-explanatory, including the input and output portions.

To compute a STEADY STATE, make a directory. Put in the corresponding Fortran file (for example InitialSS.f90 if you would like to compute the initial steady state), together with yentr2 and readoutput.m After Fortran finishes, you can read the data using readoutput.m in that directory.

To compute a TRANSITION, you need to first compute the relevant initial and final steady states, each in its own directory. Then make a directory for the transition, which should contain the output files from the initial steady state, and those from the final steady state (you have to rename the latter to end in "FINALSS" before copying them in the transition folder). You can easily check the name of all the files searching for "Open" in the .f90 transition file. You should actually do that, to check that you did everything correctly. You also need to look at the transition codes and change hard-wired inputs that refer to the initial and final steady state.

Here is more information about the files:

readoutput.m loads output files from SS and computes some statistics. Same for all SS

 requires function files:

 giniperc.m

 numtopmask.m

 quantili.m

 stackinvec.m

 ginipercmorestuff.m

 transclass.m

graphplot.m plots benchmark distributions for the Steady States.

requires files:
scf89dat_1.txt (from 1989 SCF)
distwhist.m

readoutputtransition_*.m is the file to read data for transitions (analogous to readoutput.m), it reads output from transition programs, computes some statistics, and plots transition paths for some variables requires the same files as readoutput.m:

giniperc.m
numtopmask.m
quantili.m
stackinvec.m
ginipercmorestuff.m
transclass.m

transcomparison.m computes consumption compensations for two different policy experiments. You have to put all relevant files in a directory and appropriately run all the matlab files before running transcomparison.m. Remember to check all naming conventions in the Matlab files.