

Replication archive

“Unemployment Insurance and Disability Insurance in the Great Recession,”
forthcoming, *Journal of Labor Economics*, by Andreas Mueller, Jesse Rothstein, and
Till von Wachter

Prepared by Jesse Rothstein
March 2015

This file describes the replication archive for the above paper.

The archive contains three main directories:

- The “results” directory contains Excel and Stata .gph files corresponding to each of the tables and figures in the paper and appendix, along with .txt files with the contents of the tables. In each case, as discussed below, we include only the files corresponding to the analyses of publicly available data.
- The “toreproduce” directory contains all programs needed to reproduce the results of the paper.
- The “logs” directory contains Stata logs corresponding to most of the programs in the “toreproduce” directory, with a corresponding directory structure.

As discussed in the paper, Figures 7 and 8 and Table 3, as well as Appendix Tables A2-A4 and columns 9-12 of Appendix Table A1, derive from analyses of confidential microdata obtained from the Social Security Administration. We are not at liberty to distribute these data, and the statistics reported in the paper underwent disclosure review before distribution. Thus, we include in the “toreproduce” directory the programs that create the tables and figures, but do not include the raw data or log files.

RESULTS DIRECTORY

readme.txt	Describes sources for each table and figure.
cps_dicharacteristics.smcl	Results for Tables 4, A5, A6.
expirationsgraph.gph	Figure 5
fig_expirationsapplications.gph	Figure 6
fig_uidurations.gph	Figure 4
figs1-2.xlsx	Figures 1-2, with raw data.
figure3.gph	Figure 3
ssavscpsgph.gph	Appendix Figure A1
Tables_final.xlsx	All tables (paper and appendix)
tsregs.txt	Results for Table 1
xtregs_apptabA1.txt	Results for Table A1 (cols 1-8)
xsregs.txt	Results for Table 2

TOREPRODUCE DIRECTORY

The directory has three primary subdirectories. One, called “ado,” includes two user-installable ado files that are used by the included programs. The second, “project,” contains raw data and programs to conduct all of the analyses of public-use data. The third, “nonpublic” contains programs to conduct the analyses of SSA data.

Within the “project” directory, the key program which runs nearly all others is the “uidi.do” program. This program uses the “project.ado” Stata add-on (in the “ado” folder or available from SSC) to manage all subroutines and resulting files. To run it, you need to do the following:

- Place all programs from the “toreproduce/project” directory of the replication archive in a project root directory (with whatever name you like), preserving the subdirectory structure.
- Create a “scratch” subdirectory or symbolic link in the project root directory. This will hold several gigabytes of files; make sure that it has enough space.
- Create subdirectories “scratch/basiccps” and “scratch/marchcps.”
- Install the “estout” and “project” add-on Stata programs. These can be obtained from SSC by typing “ssc install estout” and “ssc install project” at the Stata prompt. The replication archive also contains zipped versions of each (in the “ados” directory) that can be used if you do not have an internet connection.
- Obtain the raw data files, discussed below, and place them in the “toreproduce/project/prepareraw/rawdata” directory.
- Type “project, setup” at the Stata prompt. Note that a graphical version of Stata is required for this. Select the “uidi.do” file as the main project file.
- Type “project uidi, build.” This will run all data analyses. If it is interrupted, it is not necessary to start from scratch. The project.ado command will keep track of which portions have been completed. If you type “project uidi, build” again, it will start where it left off.
- Results should match the ones distributed with this archive. Note that the checksums for many of the files (.smcl, .gph, .dta extensions) will differ from those included in the “logs” directory, due to Stata’s inclusion of date stamps in these files. But the results should match.

The distribution archive here includes nearly all log files, .gph files, and other output created by executing the above procedure on Jesse Rothstein’s Linux computer, using Stata 13.0. The log files are located in the “logs” directory, while main results are in the “results” directory.

The “logs” directory also includes a listing, “projectlist.smcl,” of all of the files associated with the “project” archive. Included in this is a listing of the raw data files that were used to conduct the analysis. These are not included here, but the “projectlist.smcl” file describes where they were obtained. Jesse Rothstein will also post an archive on his web page with all of these raw files except the CPS files, which are too big to distribute easily.

Feel free to contact me at rothstein@berkeley.edu if you have any questions.