Replication package: From Unemployment to Self-Employment: An Evaluation of the Self-Employment Assistance Programs

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Code Folder

C_code

- `parameter.h`: Contains all options that need to be changed.
- `main.cpp`: Root file containing all subsequent code files.
- `compile.command`: Compiler file using g++.

Please note that to properly run, some small portions of this code requires routines from Numerical Recipe.[1] They are called in the C code through 'include' instructions. If necessary, they can easily be replaced by equivalent functions from the GNU Scientific Library (GSL).[2]
For portions of these codes that we did not write, notably the Sobol function (by John Burkardt), the original authors are properly credited in the first lines of the corresponding code.

Matlab

- `discretized_earnings.m`: Computes the labor income process using `rouwen.m` or `mytauchen.m` and checks the resulting Gini coefficient using `gini.m`. For portions of these codes that we did not write, notably the tauchen function (by Martin Floden) and the Rouwenhorst function (by Damba Lkhagvasuren), the original authors are properly credited in the first lines of the corresponding code.

Data Folder

Contains code related to transitions in the CPS and the moments in the SCF.

CPS (for main file)

- `compute_transition_flows.R`: Computes the transition between occupations using merged Ipsums CPS data.
- `compute_separation_rate.R`: Computes separation rate by earning quantiles using merged Ipsums CPS data.
- `CPS_data_couples_quarter_v2023_ELMM.RData`: Merged Ipsums CPS data from `https://www.ipums.org/`. This file (.zip) can be downloaded here: `https://www.dropbox.com/scl/fi/r0izai2hql4svthaxu4qt CPS_data_couples_quarter_v2023_ELMM.RData.zip?rlkey=mfug57jcusxntq4k7t4zpf6mq&dl=0`.

SCF (for main file)

- `model_versus_data.R`: Compares model-generated moments versus SCF data. SCF data can be downloaded from the SCF website.

[1] See here for more information `https://numerical.recipes/`.
[2] See here for more information `https://www.gnu.org/software/gsl/`.

SIPP (For Online Appendix only)

- `transition_SIPP_income.RData`: Transition between occupations using SIPP data – compares transitions by income quantile between model and data.