

## Replication instructions for “Controlling for presentation effects in choice”

The folder “replication” contains the following subfolders and files (in alphabetical order):

- `altruism.csv`: Data of Fisman et al.
- `calc-strat-log.so`: A “shared object” for running the analysis on the Fisman et al. data, with logging switched on. The shared object needs to be compiled using a Cuda compiler, the source file is provided in `fis-mix-logit/calc`
- `calc-strat.so`: Similar to `calc-strat-log.so`, but without logging information switched on (the file actually used in the computations).
- `capp.csv`: Data of Cappelen et al.
- `capp-data.R`: R-script for processing the data of Cappelen et al.
- `capp-input.R`: R-script with functions common to all other scripts analyzing data of Cappelen et al.
- `capp-logit`: Folder with R-scripts to analyze the representative agent logit model using the the data of Cappelen et al.
- `capp-mix-logit`: Folder with R-scripts to analyze the mixed logit model using the the data of Cappelen et al.
- `capp-mix-ole`: Folder with R-scripts to analyze the mixed Ordered GEV model using the the data of Cappelen et al.
- `capp-mix-palm3`: Folder with R-scripts to analyze the mixed Palm model using the the data of Cappelen et al.
- `capp-mix-prom`: Folder with R-scripts to analyze the mixed Focal model using the the data of Cappelen et al.
- `capp-prom`: Folder with R-scripts to analyze the representative agent Focal model using the the data of Cappelen et al.
- `capp-tex.R`: R-script printing the tex-tables in the supplementary material referring to the data of Cappelen et al.
- `extern-tex.R`: R-script printing the tex-tables on external validity (out-of-sample predictions)
- `fis-data.R`, `fis-input.R`, `fis-logit`, `fis-mix-logit`, `fis-mix-ole`, `fis-mix-palm3`, `fis-mix-prom`, `fis-prom`, `fis-tex.R`: All as before for the data of Fisman et al.
- `garp-data.R`, `garp-input.R`, `garp-logit`, `garp-mix-logit`, `garp-mix-ole`, `garp-mix-palm3`, `garp-mix-prom`, `garp-optim.R`, `garp-prom`, `garp-tex.R`: All as before for the data of Andreoni and Miller
- `garp-steer.R`: An R-script with functions common to the analyses of all data sets

- `harr-data.R`, `harr-logit`, `harr-mix-logit`, `harr-mix-ole`, `harr-mix-palm3`, `harr-mix-prom`, `harr-prom`: All as before for the data of Harrison and Johnson
- `harr-mix-steer.R`, `harr-steer.R`: R-scripts with functions used in the analysis of Harrison and Johnson data
- `inc-GetTypeStrat.R`: R-script with functions used in the analyses of all data sets
- `LLs`: subfolder where information on log-likelihoods and BICs obtained in the analysis is stored
- `pics`: Folder with scripts for histogram plots of the data
- `plots`: Folder where pdf-files of plots are saved
- `print-input.R`: R-scripts with functions used to compile the tex-tables found in the supplementary material
- `ref-dat.csv`: Data of Andreoni and Miller
- `start-capp`: Shell-script to start the analysis of the Cappelen et al. data
- `start-fis`: Shell-script to start the analysis of the Fisman et al. data
- `start-garp`: Shell-script to start the analysis of the Andreoni and Miller data
- `start-harr`: Shell-script to start the analysis of the Harrison and Johnson data
- `start-hom`: Shell-script to start the analysis of the representative agent models (also included in above scripts)
- `start-mix2`: Shell-script to start the analysis of the heterogeneous agent models (also included in above scripts)
- `tables`: Folder with R-script to compile all the tables found in the supplementary material
- `tex-hom`: Shell-script to start compiling the tables for the representative agent models
- `tex-mix`: Shell-script to start compiling the tables for the heterogeneous agent models
- `tex-mix1`: Shell-script to start compiling the tables for the heterogeneous agent models
- `tex-mix2`: Shell-script to start compiling the tables for the heterogeneous agent models
- `tex-pars`: Folder where tex-tables with parameter estimates are stored as the analysis progresses

The shell scripts for running the analysis need to be run multiple times until the global maxima are found, as the algorithms attempt to improve estimates (in terms of log-likelihood) based on all of the estimates found so far. The current sets of estimates always get stored in the “RData” subfolders of the folders. The sets of estimates obtained by the author can be obtained upon request. Note that it will take quite a while until all the computations are finished. All shell scripts are written for a bash shell but should work similarly in other linux shells. The set-up has not been tested under Windows so far, but should be straightforward to adapt to the extent that Windows provides the functionality required, and some of the symbolic links may break as the folder is unpacked on other systems, but they should be straightforward to correct given that they always refer to one of the files in the above list.