

Overview

This replication package constructs the research outputs displayed in the paper “Beyond Dividing the Pie: Multi-Issue Bargaining in the Laboratory” using Stata. Executing the file `STATAWork/code/MasterFile.do` will run all the five do files reproducing the analysis of all the tables and figures in the paper and the appendix. The replicator should expect the code to run between 5 and 10 minutes.

The replication package also contains the instructions used for the laboratory experiment.

Data Availability Statement

We ran the laboratory experiment at The Laboratory for Research in Behavioural Experimental Economics (LINEEX) at the University of Valencia in June 2016, May 2017, and November 2020. The total number of participants is 930. Please refer to the paper for further details about the data collection. The experimental instructions are available in the replication package in the folder “`experimental instructions`”.

The raw data is available for free in the zipped folder “`rawdata`” of this replication package. The raw data can be accessed for free by anyone with access to the internet at <https://zenodo.org/>. The format is excel files.

Dataset List

The raw data was imported into Stata to generate the Stata (.dta) data files. They are separated into four files (contracts table, subjects table, risk, envy) for each of our two settings (unstructured bargaining and take-it-or-leave-it offers). The data files provided are as follows:

1. Unstructured Bargaining Setting
 - (a) `STATAWork/input/UnstructuredBarg/MultiObjectBargainingData_Part1_ContractTable.dta`
 - (b) `STATAWork/input/UnstructuredBarg/MultiObjectBargainingData_Part1_SubjectTable.dta`
 - (c) `STATAWork/input/UnstructuredBarg/MultiObjectBargainingData_Part2_Envy.dta`
`STATAWork/input/UnstructuredBarg/MultiObjectBargainingData_Part2_Envy1.dta`
 - (d) `STATAWork/input/UnstructuredBarg/MultiObjectBargainingData_Part3_Risk.dta`
`STATAWork/input/UnstructuredBarg/MultiObjectBargainingData_Part3_Risk1.dta`
2. Take-it-or-leave-it Offers Setting
 - (a) `STATAWork/input/TIOLI/MultiObjectBargainingData_Part1_SubjectTable.dta`
 - (b) `STATAWork/input/TIOLI/MultiObjectBargainingData_Part2_Envy.dta`
 - (c) `STATAWork/input/TIOLI/MultiObjectBargainingData_Part3_Risk.dta`

Software Requirements

The code for analyses is in do files that were last run on Stata version 17. The master file will install the required packages – `rowsoort`, `estout`, `cibar`, `coefplot`. Other packages may also install while executing the do files. It takes approximately 10 minutes for a standard desktop to reproduce the analyses.

Details of Code (do files) and Output

There are five do files that contain code for our analysis. Executing the file `STATAWork/code/MasterFile.do` will run all the five do files reproducing the analysis of all the tables and figures in the paper and the appendix. Output files will then be available in `STATAWork/output`. If the replicator would like to generate only a subset of the results, the details of the five do files are follows:

- File `STATAWork/code/UnstructuredBarg_TradeEfficiency.do` contains code for table 2 and figures 2, 3, 4, 8. Executing do file saves output as `STATAWork/output/UnstructuredBarg_<Figure#/Table#>`. # is as denoted in the paper.
This file also contains code for appendix tables 2, 4. Executing do file saves output as `STATAWork/output/UnstructuredBarg_Appendix_<Figure#/Table#>`. # is as denoted in the appendix.
- File `STATAWork/code/UnstructuredBarg_Offers.do` contains code for table 3, 4 and figures 5, 6, 7. Executing do file saves output as `STATAWork/output/UnstructuredBarg_Offers_<Figure#/Table#>`. # is as denoted in the paper.
This file also contains code for appendix tables 1, 3, 5 and figures 1, 2, 3. Executing do file saves output as `STATAWork/output/UnstructuredBarg_Offers_Appendix_<Figure#/Table#>`. # is as denoted in the appendix.
- File `STATAWork/code/TIOLI_TradeEfficiency.do` contains code for appendix table 6 and figures 4a, 5. Executing do file saves output as `STATAWork/output/TIOLI_Appendix_<Figure#/Table#>`. # is as denoted in the appendix.
- File `STATAWork/code/UnstructuredBargNoise_TradeEfficiency.do` contains code for appendix figures 4b, 6. Executing do file saves output as `STATAWork/output/NOISY_Appendix_<Figure#/Table#>`. # is as denoted in the appendix.
- File `STATAWork/code/UnstructuredBargNoise_Offers.do` contains code for appendix table 7, 8 and figures 7, 8. Executing do file saves output as `STATAWork/output/NOISY_Appendix_<Figure#/Table#>`. # is as denoted in the appendix.

The results do not depend on the order in which the above five files are executed.

Instructions to Replicators

Executing the file `STATAWork/code/MasterFile.do` will run all the five do files reproducing the analysis of all the tables and figures in the paper and the appendix. Output files as detailed above will then be available in `STATAWork/output`. To execute `STATAWork/code/MasterFile.do` in Stata you must save the folder `STATAWork` containing four subfolders `code`, `input`, `output`, and `temp` on your computer. Then edit the first line of `STATAWork/code/MasterFile.do` to adjust the default path to the folder `STATAWork`.