Replication files for

Who Opts In?
Composition Effects and Disappointment from Participation Payments

Sandro Ambuehl, Axel Ockenfels, Colin B. Stewart

Description

The code in this replication package constructs all tables and figures of this paper from the original datasources using Stata and matlab. One Stata master file runs all the code to generate all figures and tables in the paper and in the appendix that depend on the data. One matlab master file runs all the code to generate all figures and tables in the paper that rely on numeric simulations. The replicator should expect each code to run for less than 10 minutes.

Data Availability Statement
All the data were collected by the authors in original online experiments and are available under a Creative Commons Non-commercial license. Section 4 of the paper and section C.1 of the Online Appendix detail the data collection. Online Appendix C.5 contains the complete experimental instructions and decision screens. The .csv-data used to support the findings of this study have been deposited in the **Review of Economics and Statistics Dataverse.**

Computational requirements
Stata (code was last run with version 16) and matlab (code was last run with version R2022a). The codes were last run on an 8-core Intel-based laptop with 32GB RAM and MacOS version 11.6 in under 10 minutes. No controlled randomness is used.

Description of programs

Stata

- `doFiles/master.do` calls each of the other do-files in sequence to reproduce the entire analysis after installing the user-coded Stata programs `outreg2`.
- `doFiles/dataManagement.do` combines the original csv data files from the experiment and brings the data into a format that is convenient for analysis.
- `doFiles/analysis.do` produces all tables and statistics included in the paper and in the online appendix.
- `doFiles/graphs.do` produces all figures included in the paper and in the online appendix.

Matlab

- `mFiles/master.do` calls each of the other m-files in sequence to reproduce all graphs in the main text and in the online appendix that are based on numerical simulations.
- `mFiles/mainGraph.do` produces Figure 1.
- `mFiles/altCosts.do` produces Figure B.5.
- `mFiles/normalExo.do` produces Figure B.6.
- `mFiles/normalEndo.do` produces Figure B.7.
- Other mFiles in the folder `mFiles` are functional form specifications that are called by the above m-files.

Instructions to replicators

To reproduce all graphs and tables, proceed as follows. Create the following folders in the folder where this read-me is located:

- `data`. Place a subfolder `raw` into this folder
- `doFiles`
- `graphs`
- `tables`
- `mFiles`

Then proceed as follows

1. Place all .csv and .xlsx files into `data/raw`
2. Place all .do files into `doFiles`
3. Place all .m files into `mFiles`
4. Open `doFiles/master.do`. Enter the directory in which this readme-file is located as the current directory on line 3 of the code (`cd [INSERT PATH HERE]`).
5. Run `doFiles/master.do`.
6. Run `mFiles/master.m`.

Notes:

- All figures will be placed in pdf format into the subfolder graphs.
- All tables will be placed in .tex format into the subfolder tables, with two exceptions. These two tables (C.6 and C.7) are outputted in the Stata results window. Table formatting generally slightly differs from the paper. Formatting needs to be done manually.

Dataset list

data/raw/session1.csv	Raw data from qualtrics
data/raw/session2.csv	Raw data from qualtrics
data/raw/session3.csv	Raw data from qualtrics
data/raw/session4.csv	Raw data from qualtrics
data/raw/session5.csv	Raw data from qualtrics
data/raw/session6.csv	Raw data from qualtrics
data/raw/session7.csv	Raw data from qualtrics
data/raw/session8.csv	Raw data from qualtrics
data/raw/session9.csv	Raw data from qualtrics
data/raw/session10.csv	Raw data from qualtrics
data/raw/session11.csv	Raw data from qualtrics
data/raw/session12.csv	Raw data from qualtrics
data/raw/session13.csv	Raw data from qualtrics
data/raw/session14.csv	Raw data from qualtrics
data/raw/session15.csv	Raw data from qualtrics
data/raw/session16.csv	Raw data from qualtrics
data/raw/session17.csv	Raw data from qualtrics
data/raw/session18.csv	Raw data from qualtrics
data/raw/session19.csv	Raw data from qualtrics

List of Figures and Tables

Figures	Line number	Output file	Program
Figure 1	1 - 75	graphs/mainGraph.pdf	Matlab mFiles/mainGraph.m
Figure 2			No data required
Figure 3A	232 - 317	graphs/supplyCurvesMainECostPaper.pdf	Stata
Figure 3B	319 - 483	graphs/supplyCurvesWTAmainEcostPaper.pdf	Stata
Figure 3C		graphs/supplyCurvesWTAexplicitPaper.pdf	Stata
Figure 3D	489 - 563	graphs/selectionAndCostPaper.pdf	Stata
Figure 4A	566 - 632	graphs/posteriorObj.pdf	Stata
Figure 4B	633 - 656	graphs/posteriorObjWTAinc.pdf	Stata

Tables	Line number	Output file	Program
Table 1			No data required
Table 2	468 - 1143	tables/tableCombined.tex	Stata. Manual formatting required.
Table 3	1144 - 1127	tables/posteriors.tex	Stata
Table 4A	1230 - 1324	tables/educSelection.tex	Stata
Table 4B	1325 - 1402	tables/educPost.tex	Stata

Appendix Figures	Line number	Output file	Program
Figure B.5	1 - 400	15 files with names of the following format graphs/supply[costFunction][prior] [parameter].pdf	Matlab mFiles/altCosts.m
Figure B.6	1 - 100	3 files with names of the following format: graphs/supplyNormalExo[prior].pdf 3 files with names of the following format: graphs/posteriorsNormalExo [prior].pdf	Matlab mFiles/normalExo.m
Figure B.7	1 - 130	3 files with names of the following format: graphs/supplyNormalEndo[prior].pdf	Matlab mFiles/normalEndo.m

		3 files with names of the following format: graphs/posteriorsNormalEndo[prior].pdf	
Figure C.8A	659 - 799	graphs/falsePosNegExpCost.pdf	Stata
Figure C.8B	800 - 902	graphs/falsePosNegWTA.pdf	Stata
Figure C.9A	903 - 1050	graphs/fosdInduced.pdf	Stata
Figure C.9B		graphs/fosdMeasured.pdf	Stata
Figure C.9C		graphs/fosdExplicit.pdf	Stata
Figure C.9D		graphs/fosdMeasured1.pdf	Stata
Figure C.9E		graphs/fosdMeasured2.pdf	Stata
Figure C.9F		graphs/fosdMeasured3.pdf	Stata

Appendix Tables	**Line number**	**Output File**	**Program**
Table C.5			No data required
Table C.6	1405 - 1446	Printed in Stata output window	Stata
Table C.7	1447 - 1452	Printed in Stata output window	Stata
Table C.8	1453 - 2130	tables/tableCombinedRisk.tex	Stata

For inquiries, contact sandro.ambuehl@econ.uzh.ch