

****Randomized Regulation: The Impact of Minimum Quality Standards on Health Markets****
 =====

When selecting the parts of the master dofile to run, set clean to 0 and construct, mainresults, appendix, and supplemental to 1 as below*:

Code to run	Set to 0/1	Description
clean	0	De-identify and clean raw data (requires access to encrypted files)
construct	1	Construct indicators for baseline, endline and analysis
mainresults	1	Run main tables and figures
appendix	1	Run appendix tables and figures
supplemental	1	Run supplemental material tables and figures

README

This replication package generates the main tables and figures used in the working paper, starting from clean, deidentified versions of the study datasets and including the construction of indicators used in the analysis. One master file runs all of the code to generate the data and final tables and figures. The replicator should expect the analysis code to generate the tables and figures to run for about 45 mins, and if including the data preparation and variable construction code for an additional 15 minutes.

Instructions

 This reproducibility package contains the code necessary to replicate the results shown in the paper. To do so, follow the instructions below.

1. ****Download the replication folder****

1. ****Use the main dofile to replicate the results**** in the `do-files` folder. It is only necessary to add your computer's username and path to adjust the default path and set up the working environment to run the replication files. You can select which sections to run by editing the globals.

1. ****Outputs will be generated when you run the master do-file**** and saved in the `rep-package/outputs` folder.

Data availability and license

 The data used to support the findings of this will be deposited in the World Bank's [Microdata Catalog](https://microdata.worldbank.org/index.php/catalog). Primary data

were collected by the authors, and are available under a Creative Commons Non-commercial license. See LICENSE for details.

Computational requirements

Software requirements

The paper exhibits were generated with Stata version 17. Required packages are included in the ado path folder and should be loaded with the `ieboilstart` command included in the main dofile.

Memory and runtime requirements

Approximate time needed to reproduce the analyses on a standard 2020 desktop machine: 20-30 minutes. The code was first run on a dual-core Intel-based laptop with MacOS version 13.1.

Description of code

- The code in `dofiles/analysis` generates all tables and figures used in the paper. The code file `main.do` will run them all. Each program called from `main.do` identifies the table or figure it creates (e.g., `table5.do`). Output files are called appropriate names (`table5.tex`, `figure1.png`) and should be easy to correlate with the manuscript.
- The code in `dofiles/baseline` and `dofiles/endline` and the subfolders `clean` and `construct`, cleans the raw encrypted data and construct the final indicators for each survey round. The dofile `main.do` will run them all. Access to encrypted files are required to run cleaning and deidentification code in the `clean` subfolders, and without access the switch for `*clean*` should be set to zero in `master.do`.
- Ado files have been stored in `dofiles/ado` and the `master.do` files set the ADO directories appropriately.

List of outputs and code

All analysis code is stored in `dofiles/analysis`. All outputs are saved to `outputs`. All the code can be run from the `main.do` script, but the code to recreate each output can also be run independently, as long as the folder globals and custom programs are set using the master script.

Main

Notes	Output	Dofile	Output file
	Table 1	main/table_1.do	table_1.tex
	Table 2	main/table_2.do	table_2.tex
	Table 3	main/table_3.do	table_3.tex

Table 4	main/table_4.do	table_4.tex
Table 5	main/table_5.do	table_5.tex
Table 6	main/table_6.do	table_6.tex
Table 7	main/table_7.do	table_7.tex
Figure 1 Generated externally	N/A	N/A
Figure 2	main/figure_2.do	figure_2.png
Figure 3	main/figure_3.do	figure_3.png
Figure 4	main/figure_4.do	figure_4.png

Appendix

Notes	Output	Dofile	Output file
	-----	-----	-----
	Table A1 Generated externally	N/A	N/A
	Table A2	appendix/table_A2.do	table_A2.tex
	Table A3	appendix/table_A3.do	table_A3.tex
	Table A4	appendix/table_A4.do	table_A4.tex
	Table A5	appendix/table_A5.do	table_A5.tex
	Table A6	appendix/table_A6.do	table_A6.tex
	Table A7	appendix/table_A7.do	table_A7.tex
	Table A8	appendix/table_A8.do	table_A8.tex
	Table A9	appendix/table_A9.do	table_A9.tex
	Table A10	appendix/table_A10.do	table_A10.tex
	Table A11	appendix/table_A11.do	table_A11.tex
	Table A12	appendix/table_A12.do	table_A12.tex
	Figure A1 Generated externally	N/A	N/A

Figure A2	N/A	N/A
Generated externally		
Figure A3	N/A	N/A
Generated externally		
Figure A4	N/A	N/A
Generated externally		
Figure A5	appendix/figure_A5.do	figure_A5.tex
Figure A6	appendix/figure_A6.do	figure_A6.tex
Figure A7	appendix/figure_A7.do	figure_A7.tex
Figure A8	appendix/figure_A8.do	figure_A8.tex
Figure A9	appendix/figure_A9.do	figure_A9.tex

Supplemental Material

Notes	Output	Dofile	Output file
-----	-----	-----	-----
	Table S1	supplemental/table_S1.do	table_S1.tex
	Table S2	N/A	N/A
	Generated externally		
	Table S3	supplemental/table_S3.do	table_S3.tex
	Table S4	supplemental/table_S4.do	table_S4.tex
	Table S5	supplemental/table_S5.do	table_S5.tex
	Table S6	supplemental/table_S6.do	table_S6.tex
	Table S7	supplemental/table_S7.do	table_S7.tex
	Table S8	supplemental/table_S8.do	table_S8.tex
	Table S9	supplemental/table_S9.do	table_S9.tex
	Table S10	supplemental/table_S10.do	
table_S10.tex			
	Table S11	supplemental/table_S11.do	
table_S11.tex			
	Table S12	supplemental/table_S12.do	
table_S12.tex			
	Table S13	supplemental/table_S13.do	
table_S13.tex			
	Table S14	supplemental/table_S14.do	

table_S14.tex			
Table S15		supplemental/table_S15.do	
table_S15.tex			
Table S16		supplemental/table_S16.do	
table_S16.tex		Some manual formatting required	
Table S17		supplemental/table_S17.do	
table_S17.tex			
Table S18a		supplemental/table_S18a.do	
table_S18a.tex			
Table S18b		supplemental/table_S18b.do	
table_S18b.tex			
Figure S1		N/A	N/A
Generated externally			
Figure S2		N/A	N/A
Generated externally			
Figure S3		supplemental/figure_S3.do	
figure_S3.tex			
Figure S4		supplemental/figure_S4.do	
figure_S4.tex			

References

 Bedoya, Guadalupe, Jishnu Das, and Amy Dolinger. "Randomized Regulation: The Impact of Minimum Quality Standards on Health Markets." *Forthcoming*.

Issues

 If you run into any troubles running this code or reproducing results, please [create an `Issue`](https://github.com/dime-worldbank/kepsie/issues) in this repository.