

*******README FILE*******

Article: The Fertility Impacts of Development Programs*

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1. Overview

The code and data provided in this package replicates all tables in Donald et al. (2024) using STATA. Users should run the master .do file “Master_do_file.do” to produce all tables and figures displayed in the article and appendix. The tables/figures in the papers that the codes correspond to are indicated in throughout script.

Before attempting to run the master do file, the replication package should be opened into the directory of the user’s choice, copy the username and the path to that directory, and paste in the master .do file (line 12 and 13).

2. Data Availability

The databases used in this meta-analysis are not publicly available as they comprise first-hand data collected by colleagues from the World Bank Gender Innovation Lab, who graciously shared a subset of their data with us. Most of the authors have not yet published papers utilizing this data and therefore prefer not to share it before their own publication. For inquiries regarding the paper and the data, interested parties are encouraged to contact the corresponding authors to the working papers or published papers listed below.

Impact evaluation in Rwanda: ALI, D. A., K. DEININGER, M. GOLDSTEIN, AND E. LA FERRARA (2015): “Empowering women through land tenure regularization: evidence from the impact evaluation of the national program in Rwanda,” *Development Research Group Case Study. World Bank, Washington, DC. <http://documents.worldbank.org/curated/en/241921467986301910/pdf/97833-BRI-PUBLIC-Box391490B-ADD-SERIES-TITLE-See-73154.pdf> (accessed September 9, 2019).*

Impact evaluation in Benin: GOLDSTEIN, M., K. HOUNGBEDJI, F. KONDYLLIS, M. O’SULLIVAN, AND H. SELOD (2018): “Formalization without certification? Experimental evidence on property rights and investment,” *Journal of Development Economics*, 132, 57–74.

Impact evaluation in Togo: CAMPOS, F., M. FRESE, M. GOLDSTEIN, L. IACOVONE, H. C. JOHNSON, D. MCKENZIE, AND M. MENSMANN (2017): “Teaching personal initiative beats traditional training in boosting small business in West Africa,” *Science*, 357, 1287–1290.

Impact evaluation in Ethiopia (DOT): ALIBHAI, S., N. BUEHREN, M. FRESE, M. GOLDSTEIN, S. PAPANENI, AND K. WOLF (2019): “Full esteem ahead? Mindset-oriented business training in Ethiopia,” *Mindset-Oriented Business Training in Ethiopia (June 17, 2019). World Bank Policy Research Working Paper.*

Impact evaluation in Ethiopia (WALN): BAKHTIAR, M. M., G. BASTIAN, AND M. GOLDSTEIN (2022): “Business training and mentoring: Experimental evidence from women-owned microenterprises in Ethiopia,” *Economic Development and Cultural Change*, 71, 151–183.

Impact evaluation in Ethiopia (GHANA): AGYEI-HOLMES, A., N. BUEHREN, M. GOLDSTEIN, R. D. OSEI, I. OSEI-AKOTO, AND C. UDRY (2020): “The effects of land title registration on tenure security, investment and the allocation of productive resources,” *Global Poverty Research Lab Working Paper*.

3. Computing Requirements

This code was last executed on a laptop with the following specifications: Intel Core i7 processor running at 2.8 GHz, operating on macOS version 10.15.7. We utilized a Stata 17 SE—Standard Edition license, and the runtime was approximately 5 minutes.

4. Software Requirements

This code was last run using Stata 17. One user-written package is used in the files (outreg2: version 2.3.2, 17 August 2014). It is installed when the replication do file is run.

All figures and tables can be run using Stata 14 and above.

5. Instructions for Replicators

To replicate the figures and tables displayed in the article:

1. Open the .do file named “Master_do_file”
2. Copy paste your username and the path to your folder in line 12 and 13:

```
if "`c(username)'" == "USERNAME TO BE COPIED HERE" {  
  
    global Desktop "PATH TO BE COPIED HERE"  
  
}
```

3. Run the do file
4. The tables and graphs reproduced in the article and appendix are saved in the 'reproducibility package\IE NAME\Outputs' folders. The outputs corresponding to each impact evaluation are located in separate folders. For example, the tables corresponding to Benin are in the folder 'reproducibility package\Benin\Outputs', the tables corresponding to Rwanda in the folder 'reproducibility package\Rwanda\Outputs', and so on.

Logs produced during replication can be found in the “reproducibility package” folder. Note that each of the .do files can be run independently.

| Impact evaluation | Table in the package | Table in the paper |
|--------------------------|--|---------------------------|
| Ethiopia DOT | DOT/Outputs/ Sample description and balance checks DOT.xlsx | Table 1 and Table A4 |
| Ethiopia DOT | DOT/Outputs/ATE.xls | Table 4 |
| Ethiopia DOT | DOT/Outputs/ATE.xls | Table 5 |
| Ethiopia DOT | DOT/Outputs/HTE_son.xls | Table 6 |
| Ethiopia DOT | DOT/Outputs/HTE_son_test.xls | Table 6 (p-val tests) |
| Ethiopia DOT | DOT/Outputs/HTE_wealth.xls | Table 7 |
| Ethiopia DOT | DOT/Outputs/HTE_wealth_test.xls | Table 7 (p-val tests) |
| Ethiopia DOT | DOT/Outputs/HTE_labour.xls | Table A13 |
| Ethiopia DOT | DOT/Outputs/HTE_daycare.xls | Table 8 |
| Ethiopia DOT | DOT/Outputs/HTE_daycare_test.xls | Table 8 (p-val tests) |
| Ethiopia DOT | DOT/Outputs/HTE_son_nbs_children.xls | Table A9 |
| Ethiopia DOT | DOT/Outputs/HTE_son_wealth.xls | Table 10 |
| Ethiopia DOT | DOT/Outputs/HTE_son_wealth_test.xls | Table 10 (p-val tests) |
| Ethiopia DOT | DOT/Outputs/HTE_graph_wealth.xls | Figure 1(a) |
| Togo PI | TOGO/Outputs/ Sample description and balance checks- TOGO.xlsx | Table 1 and Table A4 |
| Togo PI | TOGO/Outputs/ATE.xls | Table 4 |
| Togo PI | TOGO/Outputs/ATE.xls | Table 5 |
| Togo PI | TOGO/Outputs/ATE_man.xls | Table 9 |
| Togo PI | TOGO/Outputs/HTE_son.xls | Table 6 |
| Togo PI | TOGO/Outputs/HTE_son_test.xls | Table 6 (p-val test) |
| Togo PI | TOGO/Outputs/HTE_wealth.xls | Table 7 |
| Togo PI | TOGO/Outputs/HTE_wealth_test.xls | Table 7 (p-val test) |
| Togo PI | TOGO/Outputs/labour_supply.xls | Table A13 |
| Togo PI | TOGO/Outputs/placebo.xls | Table A7 |
| Togo PI | TOGO/Outputs/test_fostering.xls | Table A8 |
| Togo PI | TOGO/Outputs/graph_wealth.png | Figure 1(b) |
| Benin PFR | Benin/Outputs/ Sample description and balance checks- Benin.xlsx | Table 1 and Table A4 |
| Benin PFR | Benin/Outputs/ATE.xls | Table 4 |
| Benin PFR | Benin/Outputs/HTE_son.xls | Table 11 |
| Benin PFR | Benin/Outputs/HTE_son_test.xls | Table 11 (p-val tests) |
| Benin PFR | Benin/Outputs/ HTE_rivals_son.xls | Table 12 |
| Benin PFR | Benin/Outputs/THE_rivals_son_test.xls | Table 12 (p-val tests) |
| Benin PFR | Benin/Outputs/son_nbs_children.xls | Table A9 |
| Benin PFR | Benin/Outputs/labour_supply.xls | Table A13 |
| Ghana land titling | Ghana/Outputs/ Sample description and balance checks- Ghana.xlsx | Table 1 and Table A4 |
| Ghana land titling | Ghana/Outputs/ATE.xls | Table 4 |
| Ghana land titling | Ghana/Outputs/HTE_akan.xls | Table 13 |
| Ghana land titling | Ghana/Outputs/HTE_akan_test.xls | Table 13 (p-val tests) |
| Ghana land titling | Ghana/Outputs/HTE_own_plot.xls | Table A10 |

| | | |
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| Ghana land titling | Ghana/Outputs/HTE_own_plot_test.xls | Table A10 (p-val test) |
| Ghana land titling | Ghana/Outputs/labour_supply | Table A13 |
| Rwanda Land titling | Rwanda/Outputs/ Sample description and balance checks-Rwanda.xls | |
| Rwanda Land titling | Rwanda/Outputs/ATE.xls | Table 4 |
| Rwanda Land titling | Rwanda/Outputs/ATE.xls | Table 5 |
| Rwanda Land titling | Rwanda/Outputs/HTE_son.xls | Table A11 |
| Rwanda Land titling | Rwanda/Outputs/HTE_son_test.xls | Table A11 (p-val tests) |
| Rwanda Land titling | Rwanda/Outputs/rivals.xls | Table A12 |
| Rwanda Land titling | Rwanda/Outputs/rivals_test.xls | Table A12 (p-val tests) |
| Ethiopia WALN | WALN/Outputs/ Sample description and balance checks-WALN.xls | Table 1 and Table A4 |
| Ethiopia WALN | WALN/Outputs/ATE.xls | Table 4 |
| Ethiopia WALN | WALN/Outputs/ATE.xls | Table 5 |
| Ethiopia WALN | WALN/Outputs/HTE_son.xls | Table 6 |
| Ethiopia WALN | WALN/Outputs/HTE_son_test.xls | Table 6 (p-val tests) |

Additional comments:

Table A6: Obs from the Ethiopia DOT does not seem to match with the number