

This README file describes the components of the Reproducibility Package for the paper:

Assessing the Welfare Impacts of Tariff Liberalization for Women: Data and Analytical Framework Guido Porto  
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All the material is included in the folder "Applications"

There are three subfolder within "Applications": Data, Programs, Results

#### Data Folder

The data used in the paper, the Household Impact of Trade for Women (HIT\_W), is based on the Household Impact of Tariffs (HIT) dataset produced by Artuc, Porto and Rijkers (2019) and Artuc, Porto and Rijkers (2018). The HIT data builds on household surveys and provides harmonized information on expenditure and income shares for 54 developing countries. The HIT data is available in the Development Data Hub (<https://datacatalogfiles.worldbank.org/ddh-published/0038374/1/DR0046825/hit-dataforweb.csv>).

The HIT data reports income and expenditure averages for 53 products and 100 households corresponding to 100 bins of each country's income distribution. The database thus has 5400 observations (54 countries, 100 observations per country). A detailed description of the data can be found here:

[https://datacatalogfiles.worldbank.org/ddh-published/0038374/1/DR0046823/hit-data\\_appendix\\_paper.pdf](https://datacatalogfiles.worldbank.org/ddh-published/0038374/1/DR0046823/hit-data_appendix_paper.pdf)

The HIT\_W dataset is the HIT expenditure and income shares data sliced by the gender indicators discussed in the paper. The HIT\_W data come in two versions. In version A, separate files for each household survey are presented. These files are name "shares\_cty.dta", where cty stands for the 3-letter ISO code of each of the 54 countries included in the analysis. This list of ISO codes is: "PAK VNM IDN KHM LKA NEP BGD GIN GNB MLI MRT BDI BEN BFA CMR GMB MDG MWI NER NGA RWA UGA ZAF JOR YEM TOG TAJ KYR EGY MOL MON UKR CIV GHA TZA BOL CAR COM GEO KEN SLE UZB ARM NIC MOZ ECU LBR BTN AZE GUA ETH IRA ZMB PAP". These files include all the budget and income shares for each percentile of the log per capita expenditure (100 bins), for all households, male-headed and female-headed households, and for households with more than 50, 70 and 30 percent of females as well as households with less than 50, 70 and 30 percent of females. The data are stored in the subfolders "Data\shares."

In addition, we include a separate file with tariff information. These are the average tariff for each product in the income and expenditure classification of the HIT\_W data. The file is named "HIT\_W\_tariffs" and it is stored in the "Data" subfolder.

Version B of the HIT\_W information combines all countries and tariff data into a single file. This dataset is named "HIT\_W\_all.dta" and is included in the "Data" subfolder.

#### Programs Folder

This folder contains the two scripts that produce the main results of the paper, namely Table 1 and Figure 1. These files can be run in any order. To run them in a different folder, just replace cd "D:\GenderTariff\Applications" with the relevant folder in line 10 of each file.

The file 01.AgTariffs.do is a Stata code that generates the output of Table1.xlsx (stored in the "Results" subfolder). The full content of the Excel table is created as a Stata database Table1.dta. This database can be opened in Stata and copy/paste into Excel.

The file 02.AgTariffs\_lpce.do is a Stata code that generates the subfigures in Figure1 of the paper (stored in the "Results" subfolder). There are four subfigures in Figure 1 and these are named Fig1.pdf, Fig2.pdf, Fig3.pdf and Fig4.pdf. Files with png extensions are also created by the code.

In addition, the do file creates separate figures for each of the 54 countries. These are named, Fig1\_cty, Fig2\_cty, Fig3\_cty and Fig4\_cty (cty being the ISO codes above). These figures are mentioned in the text and are additional material illustrating the use of the database.