

Replication Package for: It is not just tariffs.

Authors: Daria Taglioni & Hiao Liu Kee

Replication file by: Daniel Lasso.

Questions to: df.lasso@uniandes.edu.co and/or dlassojaramillo@worldbank.org

=====

1. Overview

This package contains the replication materials for the article "It is not just tariffs".

It includes code, data and outputs (figures and tables) needed to reproduce all results.

2. Folder Structure

+---Code

| +---dofiles

| +---R

+---data

| +---GDP

| +---JIE_data

| +---Tariffs

| +---Processed_data

| +---US_imports

+---figures

+---tables

3. Replication Instructions

Step 1. Software Requirements

- Stata (version 18)
- R (version 4.3.2 or greater)

Step 2. Data

The data is organized by folder

- GDP folder contains the GDP at constant prices "GDP_constant_prices.xls" obtained from the IMF.
- JIE_data folder contains the databases from the JIE 2022 article: "Trade fraud and non-tariff measures"
- Tariffs folder contains the macmap tariff data from: <https://www.macmap.org/>
- US_imports folder contains 2021 US imports at a 6-digit HS code level (obtained from WITS)
- Processed_data folder contains a processed version of the tariff data. It changes the ISO codes and renames variables (This is obtained via the dofile 0-macmap_preprocessing).

Step 3. Running the Code

- Open Stata

- Run the master file:
Change the working directory in your computer
- This will call the other do-files.
- Each dofile corresponds to one table or figure.
- 0-macmap_preprocessing renames MacMap data variables and changes from numeric to 3-digit ISO the country codes (saves the .dta file in the Processed_data folder).
- 0-merge-tariffs_AVE.do merges the tariff data (macmap) and the AVE data (from JIE 2022.)
- 0-merge-imports.do merges the previous dataset with the imports from UNCOMTRADE obtained from WITS.
- R Figure (Figure 5.R) should be run separately
- Outputs will be saved in Figures or Tables folders.

4. Notes

- The Stata workflow is fully automated through 'Main_do.do'.
- Figure 5 needs to be obtained separately using the R script.

Data Availability Statement Package for: It is not just tariffs.

Authors: Daria Taglioni & Hiao Liu Kee

Replication file by: Daniel Lasso.

Questions to: df.lasso@uniandes.edu.co

=====

1. Overview

The data consists of four main sources:

----data

```
| +---GDP
| +---JIE_data
| +---Tariffs
| +---US_imports
```

A) GDP/GDP_constant_prices.xls

- Source: World Development Indicators (World Bank data).
- Access year: 2025-09
- Availability: Publicly available
- Description: This is a panel ranging from 1960 to 2023 of the GDP per capita in 2005 in constant USD for 267 countries.
- link: <https://databank.worldbank.org/source/world-development-indicators>

B) JIE_data/masterdatasetJIE.dta

- Source: Kee, H. L., & Nicita, A. (2022). Trade Fraud and Non-Tariff Measures. Journal of International Economics, 139 , 103682.
- Access year: 2025-09
- Availability: Publicly available
- Description: This dataset contains the information at an 6-digit HS level on the ad valorem non-tariff measures equivalent (AVEs)
- link: <https://datacatalog.worldbank.org/search/dataset/0062862>

- Note: Follow the link and download the file "Data for AVE estimation", this is masterdatasetJIE.dta file.

C) JIE_data/NTM_Tariff.dta

- Source: Kee, H. L., & Xie, E. (2024). Trade Policies Mix and Match: Theory, Evidence and the Sino-EU Battery Electric Vehicle Disputes. World Bank Policy Research Working Paper (10855). & Zavala, L., Fernandes, A. M., Haygood, R., Reed, T., & Reyes, J. D. (2023). Quality Regulation Creates and Reallocates Trade. World Bank Working Paper (10601)

- Access year: 2025-09

- Availability: Forthcoming on Development Data Hub once the paper is published.

- Description: This dataset contains two time series ranging from 1990 to 2018. The first one is the world average applied tariff (From Zavala 2023), the second one the notifications to the WTO (From Kee, 2024).

D) Tariffs/MACMap-USA_2021_Tariff_HS6_min

- Source: Market Access Map (macmap)

- Access year: 2025-09

- Availability: Publicly available, a fee might be possible for users in developed countries.

- Description: This dataset is a bulk download that contains the information at an 6-digit HS level on the applied tariffs for bilateral trade flows for USA on 2021.

- link: <https://www.macmap.org/>

+ Instructions on how to download the data:

1) Go to <https://www.macmap.org/> and register using email.

2) Go to Download

3) Go to Bulk Download

4) choose these filters: select Tariff, select Applied Tariffs, select EFFECTIVELY APPLIED, select MINIMUM RATE, select year 2021, select HS6, select Reporting Country United States of America.

E) US_imports/US_imports.csv

- Source: UNCOMTRADE, gathered via World Integrated Trade Systems (WITS).

- Access year: 2025-09

- Availability: Publicly available.

- Description: This dataset is a bulk download that contains the information at an 6-digit HS level of the US imports for 2021, the same year as the tariff data.

- link: <https://wits.worldbank.org/>

- Note: Create an account to get access and download imports information.

+ Instructions on how to download the data:

1) Go to <https://wits.worldbank.org/> and register using email.

2) Go to Advanced Query -> Trade Data UNCOMTRADE

3) Go to New query and add name and description

4) Select year 2021, trade flow imports, all 6 digit hs-code in HS 2017 nomenclature, reporting countries put USA.

5) For the Partner countries copy and paste this list:

AFG,AGO,ALB,ARE,ARG,ARM,AUS,AUT,AZE,BEL,BEN,BGD,BGR,BHR,BHS,BIH,BLR,BOL,BRA,BRN,BWA,
CAN,CHE,CHL,CHN,CIV,CMR,COG,COL,CRI,

CUB,CYP,CZE,DEU,DNK,DOM,DZA,ECU,EGY,ESP,EST,ETH,FIN,FRA,GAB,GEO,GHA,GIN,GRC,GTM,GUY,
HKG,HND,HRV,HTI,HUN,IDN,IND,IRL,IRN,

IRQ,ISL,ISR,ITA,JAM,JOR,JPN,KAZ,KEN,KGZ,KHM,KOR,KWT,LAO,LBN,LBR,LBY,LKA,LTU,LUX,LVA,
MAR,MDA,MDG,MEX,MKD,MLT,MMR,MNG,MOZ,

MRT,MUS,MWI,MYS,NAM,NGA,NIC,NLD,NOR,NPL,NZL,OMN,PAK,PAN,PER,PHL,PNG,POL,PRT,PRY,QAT,
RUS,SAU,SEN,SGP,SLV,SUR,SVK,SVN,SWE,

SYR,TCD,TGO,THA,TJK,TKM,TTO,TUN,TUR,TZA,UGA,UKR,URY,UZB,VEN,VNM,YEM,ZAF,ZAR,ZMB,ZWE