The Impact of the US-China Trade War on Vietnam's Labor Market Informality

Pham Phuong Ngoc

Diplomatic Academy of Vietnam

PHUONGNGOC-GVKKT@DAV.EDU.VN

And

Dainn Wie

National Graduate Institute for Policy Studies

WIE-DAINN@GRIPS.AC.JP

Replication Instructions

This document contains background information and instructions for reproducing all tables and figures from "The Impact of the US-China Trade War on Vietnam's Labor Market Informality". Users are required to gain access to micro datasets to replicate the analysis, including Vietnam Labor Force Surveys (LFS) and Vietnam Enterprise Surveys (VES).

I Hardware and Software

Programs were implemented using STATA version 17. Due to the magnitude of the datasets, implementing the programs may demand a significant amount of computational resources. Some supplemental STATA packages are also needed to install, including:

- reghdfe
- ftools
- outreg2
- egenmore

II Datasets

The replication folder contains three sub-folders, including:

1. Data Folder: This folder contains all the datasets necessary for the paper:
    i. LFS.dta: This dataset is a cleaned version of the LFS from 2014 to 2019 needed for the project. Due to purchasing requirements, these LFS datasets are not included in the dataset. They can be purchased from the General Statistical Office (GSO) in Hanoi, Vietnam.

ii. master_ves.dta: This is a dataset which combined the VES 2014, 2017, 2018 and 2019 and the tariff difference variable needed for the project. This dataset is not included in the zip folder due to purchasing requirements. They can be purchased from the General Statistical Office (GSO) in Hanoi, Vietnam. See Ngoc and Wie (2022) for details on constructing this dataset.

iii. Import_data.dta: This file contains the import trade data of the U.S. (in HS10 level of products) from the world and China in 2015, which comes from the United States Census Bureau.

iv. China_target_hs8.dta and China_target_hs10.dta: These files are the lists of targeted products collected from the U.S. International Trade Commission. The data includes the eight-digit and ten-digit H.S. levels of targeted products, the time when tariff changes went into effect, and the tariff increases.

v. HS2012.dta: This file contains the concordance between ISIC and HS6 provided by United Nations Statistics Division.

vi. Vietnamtoworld.dta: The file contains the export value of Vietnam (in HS6 level of product) to all countries in the world in 2015. We used this file to determine which industry belongs to the trading sector in Vietnam. The "tradingsector.dta" contains all trading industries in Vietnam.

vii. tariff_difference.dta: This file contains the main variable tariff difference we used in the paper. (See the Article for the way we constructed this variable.)

viii. trade_tariff.dta: This file contains the export value of Vietnam to US from 2013 to 2019. We used this file to investigate the mechanism of impact of the US-China Trade war on workers through export.

2. Do files Folder: This folder contains all the do files necessary to replicate the analysis. The do file “Create_master_individual_dataset.do” constructs the tariff different variables and combines this variable with variables in LFS data. The do file “Tables.do” creates all tables and figures in the Article version, while “Appendix Tables.do” creates all tables and figures in the Online Appendix version.

Reference

General Statistics Office of Vietnam. Enterprise Survey 2014.

General Statistics Office of Vietnam. Enterprise Survey 2017.

General Statistics Office of Vietnam. Enterprise Survey 2018.

General Statistics Office of Vietnam. Enterprise Survey 2019.

General Statistics Office of Vietnam. Labor Force Survey 2014.

General Statistics Office of Vietnam. Labor Force Survey 2015.

General Statistics Office of Vietnam. Labor Force Survey 2016.

General Statistics Office of Vietnam. Labor Force Survey 2017.

General Statistics Office of Vietnam. Labor Force Survey 2018.

General Statistics Office of Vietnam. Labor Force Survey 2019.

United Nations Statistics Division. UN COMTRADE database.

United States Census Bureau. USA Trade database.