Foreign and Domestic Firms: Long Run Employment Effects of Export Opportunities

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1 Data Availability

The paper uses multiple datasets. We describe each of these datasets below along with information on whether the dataset is proprietary data or not.

Vietnam Enterprise Survey: We purchased access to the VESs from the National Statistics Office (NSO) of Vietnam. The data is proprietary. Mr. Nguyen Viet Phong, a statistician at the NSO, has experience with the VESs and can be contacted at nguyenvietphong300@gmail.com.

U.S. tariffs: U.S. MFN and Column 2 tariffs in 2001 were originally downloaded from the United States International Trade Commission's DataWeb website: `https://dataweb.usitc.gov/` and *ad valorem* equivalents were originally calculated for McCaig (2011). This was done at the 10-digit HTS level. We calculated MFN and Column 2 tariffs by 4-digit industry ISIC revision 3 industry as a weighted average of the 10-digit HTS tariffs where the weights were based on the value of U.S. imports from all countries in 2001 and defined as the share of U.S. imports within the 4-digit industry from each 10-digit HTS product.

Export and Import Data: We use data on U.S. imports from Vietnam and Chinese exports to the sourced from UN Comtrade https://comtradeplus.un.org/. Data on EU13 and East Asian imports from Vietnam were sourced from World Integrated Trade Solution (WITS) `https://wits.worldbank.org/`. The data was downloaded at the 4-digit ISIC revision 3 industry level. Data on Vietnamese exports to the world and the world excluding the U.S. was downloaded from BACI at the 6-digit HS level and aggregated using concordances to the 3-digit ISIC revision 3 industry level. This data is publicly available and we make it available as part of the replication package.

Related party trade This data is available from https://antras.scholars.harvard.edu/books at the 6-digit HS level.

Vietnam Technology and Competitiveness Survey: This is freely available for years 2009-2014 at https://www.wider.unu.edu/database/viet-nam-data. Later years can be accessed through the National Statistics Office of Vietnam.

Other tariffs: Data on Vietnamese MFN tariffs, Vietnamese tariffs on imports from ASEAN, China, and Japan, and tariffs faced by Vietnamese exports in China, Japan, and the EU15 were downloaded from WITS at the 4-digit ISIC revision 3 level.

1999 and 2009 Population Census: These are freely publicly available through IPUMS International. Note that we used a special 33% sample of the 1999 population census, which was obtained from the General Statistics Office of Vietnam. However, the sample freely available through IPUMS International will give very similar estimates.

2008 Vietnam Household Living Standards Survey: This survey can be accessed through the General Statistics Office of Vietnam.

Concordances from HS to ISIC: These are freely available at WITS.

Import Quotas: Data on U.S. import quotas on clothing and textiles are freely available at https://sompks4.github.io/sub_data.html. We provide our industry fill rates as part of the replication package.

World Bank Enterprise Surveys: We used data from the 2013 Bangladesh, 2007, 2013, and 2016 Cambodia, 2012 China, 2015 Indonesia, and 2009 and 2015 Vietnam surveys. The data is freely available at https://www.enterprisesurveys.org/en/enterprisesurveys.

Provincial Competitiveness Index firm data: We used data for foreign firms as provided by Dr. Edmund Malesky.

Data from the 1998 Industrial Census and various statistical yearbooks: This data was handed collected from published tables and is included in

2 Instructions

Below we outline the steps to running the code and producing the results in the paper. These steps must be completed in order.

1. **Purchase and or download datasets**

   Once purchased and downloaded, the datasets need to be stored in the folder RawData. Within this folder there are various subfolders in which the datasets should be placed. For example, the main firm dataset from the VES for 2010, "dn2010.dta", should be placed in the folder "Replication/RawData/Vietnam Enterprise Surveys".

2. **Run 'master.do'**

   The Stata file 'master.do' runs all the do files necessary for data preparation, cleaning, and analysis. In order for the do file to run correctly, you must set the location of the replication folders in the global macro *version*. The do file itself briefly describes the purpose of each individual do file as well as describing the specific inputs and outputs for do files that perform analysis.

3 Computational Requirements

3.1 Software Requirements

All code has been tested on Windows 10 using Stata 19.0. The file "master.do" installs the required packages: *reghdfe*, *texdoc*, *estout*, and *texsave*.

3.2 Memory and Runtime Requirements

The entire code was run on a Dell OptiPlex 7050 with an Intel(R) Core(TM) i7-6700 CPU @ 3.40GHz processor and 32 GB of RAM. The approximate runtime for all analysis was **11 hours**.
Start: 3:06 End:

4 Data

Below we specifically describe the datasets that need to be placed in each subfolder of "RawData" and indicate whether they are directly provided in the replication files or not.

1. 1998 Industrial Survey

- Industrial survey 1998 employment.dta – available in the replication package

2. 2008 VHLSS

   - muc4a.dta – not available in the replication package
   - muc123a.dta – not available in the replication package
   - weight08new4.dta – not available in the replication package

3. Censuses

   - 1999 census 33.dta – not available in the replication package
   - bgnguoi-2009.dta – not available in the replication package

4. District codes

   - Convert 2000 district codes to 1999 district codes.dta – available in the replication package
   - Convert 2004 district codes to 2003 district codes.dta – available in the replication package

5. Industry codes

   - Suggested changes to invalid VSIC1993 industry codes.dta – available in the replication package
   - VSIC 2007 - VSIC 1993 conversion - revised (English).dta – available in the replication package
   - VSIC1993 4-digit codes and descriptions.dta – available in the replication package
   - VSIC2007 5-digit codes and descriptions.dta – available in the replication package

6. PCI

   - isic_201019.dta – not available in the replication package
   - PCI_Final_FDI_FDI_Aug22.dta – not available in the replication package

7. Tariffs

   - Province codes 2003 to 2004.dta – available in the replication package

8. Trade

- Chinese exports to the US 4-digit ISICrev3 1996-2017.dta – available in the replication package
- Chinese exports to the US 4-digit ISICrev3 2000-2017.dta – available in the replication package
- East Asia imports from Vietnam 1996-2021 4-digit ISIC revision 3 (accessed from WITS June 20 2022).dta – available in the replication package
- EU13 imports from Vietnam 1996-2021 4-digit ISIC revision 3 (accessed from WITS June 20 2022).dta – available in the replication package
- US imports from Vietnam 1996-2018 ISIC rev3 4-digit (Comtrade accessed Oct 4 2019).dta – available in the replication package
- Vietnam exports by country 4-digit ISICrev3 2000-2017.dta – available in the replication package
- Vietnam exports to EU25 2000 4-digit ISIC rev4.dta – available in the replication package
- Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta – available in the replication package
- VN Exports to World and US 1996-2018 4-digit ISICrev3 BACI.dta – available in the replication package

9. Vietnam Enterprise Surveys

- All dn and vp datasets are proprietary and must be purchased from the National Statistics Office. The other datasets are part of the data cleaning and preparation and are included in the replication package
- All SOE corrections - changes to all instances of madn.dta
- Changes to 2000 firm identifiers.dta
- changes to madn 2014 duplicates.dta
- changes to madn 2015 duplicates.dta
- changes to madn 2016 duplicates.dta
- changes to madn 2017 duplicates.dta
- Changes to madn from matching algorithm.dta
- Changes to madn remaining duplicates same taxcode.dta
- Concordance between codes and abbreviations.dta

- dn2000.dta
- dn2001.dta
- dn2002.dta
- dn2003.dta
- dn2004.dta
- dn2005.dta
- dn2006.dta
- dn2007.dta
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- vp2008.dta
- vp2009.dta
- vp2010.dta
- vp2011.dta

- vp2012.dta
- vp2013.dta
- vp2014.dta
- vp2015.dta
- vp2016.dta

5 List of Tables, Figures, and Appendix Tables and Figures

Below is the full list of figures and tables generated in this project, both in the main text and in the appendix. Each entry includes associated input datasets, output files, and corresponding `.do` Stata script. The file "master.do" provides a complete description (see Section 2).

Figure 1a: Vietnamese manufacturing exports to the US, 1996 to 2018

- **Inputs:** `$trade/VN Exports to World and US 1996--2018 4-digit ISICrev3 BACI.dta`
- **Output:** Figure 1a: `$figures/VN Exports to US, Level and Share, 1996-2018 BACI.pdf`
- **Script:** `$dodir/Figure 1a.do`

Figure 1b Vietnamese manufacturing employment by ownership, 1999 to 2017
Figure C8: Vietnamese Manufacturing Employment by Initial Ownership Type, 1999 to 2017

- **Inputs:** `$output/Master enterprise dataset.dta` (1999 already merged)
- **Outputs:**
  - Figure 1b: `$figures/soefdipri_emp_slides_iniown=1.pdf`
  - Figure C8: `$figures/soefdipri_emp_slides_iniown=0.pdf`
- **Script:** `$dodir/Figures 1b C8.do`

Figure 1c: Share of Foreign-Invested Employment by Source Country

- **Inputs:** `$output/Master enterprise dataset.dta` (with 1999)
- **Output:** Figure 1c: `$figures/FDI employment by 6 source country with year 1999 and initial ownership=1.pdf`
- **Script:** `$dodir/Figure 1c.do`

Figures 2 and C4c: Vietnam Exports to the U.S. and BTA Tariffs, 1996-2018

Figure C3: Vietnam exports to the US and BTA tariffs at 2- and 4-digit ISIC Industries, 1996-2018

Figure C5a: Vietnam exports to key trading partners and BTA tariffs without controls, 1996-2018: Vietnam Exports to the US, without controls

- **Inputs:** These inputs should be separately processed in a previous step to create industry-level dataset at the 2-, 3-, and 4-digit levels:
  - `$trade/US imports from Vietnam 1996-2018 ISIC rev3 4-digit (Comtrade accessed Oct 4 2019).dta`
  - `$trade/Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta`
  - `$tariffs/2001 US AVE tariffs 3-digit ISIC industry.dta`
  - `$tariffs/Vietnam's MFN tariffs 2002 to 2017 3-digit ISIC revision 3 wide format.dta`
  - `$tariffs/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta`
  - `$tariffs/US-VN quotas 3-digit ISIC rev3 2003.dta`
  - `$tariffs/US-CH quotas 3-digit ISIC rev3 2001.dta`
  - `$tariffs/2001 US AVE tariffs 2-digit ISIC industry.dta`
  - `$tariffs/Vietnam's MFN tariffs 2002 to 2017 2-digit ISIC revision 3 wide format.dta`
  - `$tariffs/US-VN quotas 2-digit ISIC rev3 2003.dta`
  - `$tariffs/US-CH quotas 2-digit ISIC rev3 2001.dta`
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`

  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta

- **Outputs:**
  - Figures 2 and C4c: $figures/Ln US Imports from VN 3-digit base=2000 weights=1.pdf
  - Figure C3a: $figures/Ln US Imports from VN 2-digit base=2000 weights=1.pdf
  - Figure C3b: $figures/Ln US Imports from VN 4-digit base=2000 weights=1.pdf
  - Figure C5ca: $figures/Ln US Imports from VN 3-digit base=2000 weights=1 no controls.pdf

- **Script:** $dodir/Figures 2, C3, C4c, C5a.do

Figure C7a: Vietnam exports to key trading partners and BTA tariffs, 1996-2018 - Vietnam Exports to the E.U.
Figure C5b: Vietnam exports to key trading partners and BTA tariffs without controls, 1996-2018 - Vietnam Exports to the E.U., without controls

- **Inputs:** These inputs should be separately proccessed in a previous step to create industry-level dataset at the 2-, 3-, and 4-digit levels:
  - $trade/EU13 imports from Vietnam 1996-2021 4-digit ISIC revision 3 (accessed from WITS June 20 2022).dta
  - $tariffs/US-CH quotas 3-digit ISIC rev3 2001.dta
  - $tariffs/US-VN quotas 3-digit ISIC rev3 2003.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 3-digit ISIC revision 3 wide format.dta
  - $tariffs/2001 US AVE tariffs 3-digit ISIC industry.dta
  - $trade/Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta

- **Outputs:**

  - Figure C7a: $figures/Ln EU Imports from VN 3-digit base=$base weights=1.pdf
  - Figure C5b: $figures/Ln EU Imports from VN 3-digit base=$base weights=1 nocontrols.pdf
- **Script:** $dodir/Figures C7a C5b.do

Figure C7b: Vietnam exports to key trading partners and BTA tariffs, 1996-2018 - East Asia
Figure C5c: Vietnam exports to key trading partners and BTA tariffs without controls, 1996-2018 - East Asia

- **Inputs:**
  - $trade/East Asia imports from Vietnam 1996-2021 4-digit ISIC revision 3 (accessed from WITS June 20 2022).dta
  - $tariffs/US-CH quotas 3-digit ISIC rev3 2001.dta
  - $tariffs/US-VN quotas 3-digit ISIC rev3 2003.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 3-digit ISIC revision 3 wide format.dt
  - $tariffs/2001 US AVE tariffs 3-digit ISIC industry.dta
  - $trade/Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta
- **Outputs:**
  - Figure C7b: $figures/Ln East Asia Imports from VN -digit base=2000 weights=1.pdf
  - Figure C5b: $figures/Ln East Asia Imports from VN -digit base=2000 weights=1 no controls.pdf
- **Script:** $dodir/Figures C7b C5c.do

Figure 3, Panel A: Overall firm count and employment and BTA tariffs, 1999-2017

- **Inputs:**
  - $output/Master enterprise dataset.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta

  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dt
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta

- **Outputs:**
  - Figure 3a: $figures/Fig Ln Employment 4-digit base=2000 initial industry=1, 1999-2017.pdf
  - Figure 3b: $figures/Fig Ln Number of Firms 4-digit base=2000 initial industry=1, 2000-2017.pdf

- **Script:** $dodir/Figures 3ab.do

Figure 3, Panel B: Employment by ownership and BTA tariffs, 1999-2017
Figure C9: Employment by contemporary ownership and BTA tariffs, 1999-2017
Figure C11: Firm count by contemporary ownership and BTA tariffs, 2000-2017
Figure D1: Firm count by ownership and BTA tariffs, 2000-2017

- **Inputs:**
  - $output/Master enterprise dataset.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta

- **Outputs:**
  - Figure 3c: $figures/Fig Ln Employment for Foreign 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=1 1999-2017.pdf

  - Figure 3d: $figures/Fig Ln Employment for State 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=1 1999-2017.pdf
  - Figure 3e: $figures/Fig Ln Employment for Private 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=1 1999-2017.pdf
  - Figure C9a: $figures/Fig Ln Employment for Foreign 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=0 1999-2017.pdf
  - Figure C9b: $figures/Fig Ln Employment for State 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=0 1999-2017.pdf
  - Figure C9c: $figures/Fig Ln Employment for Private 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=0 1999-2017.pdf
  - Figure C11a: $figures/Fig Ln Number of Firms for Foreign 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=0 1999-2017.pdf
  - Figure C11b: $figures/Fig Ln Number of Firms for State 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=0 1999-2017.pdf
  - Figure C11c: $figures/Fig Ln Number of Firms for Private 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=0 1999-2017.pdf
  - Figure D1a: $figures/Fig Ln Number of Firms for Foreign 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=1 1999-2017.pdf
  - Figure D1b: $figures/Fig Ln Number of Firms for State 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=1 1999-2017.pdf
  - Figure D1c: $figures/Fig Ln Number of Firms for Private 4-digit base=2000 cutoff size=0 initial industry=1 initial ownership=1 1999-2017.pdf

- **Script:** $dodir/Figures 3cde, C9, C11, D1.do

Figure 3, Panel C: Number of entrants by ownership and BTA tariffs, 2000-2017

Figure C10: Number of entrants by contemporary ownership and BTA tariffs, 2000-2017

- **Inputs:**
  - $output/Master enterprise dataset.dta

  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta

- **Outputs:**
  - Figure 3f: $figures/Fig Ln Number of Entrants 4-digit base=2000 size=0 initial industry=1 initial ownership=1.pdf
  - Figure 3g: $figures/Fig Ln Number of Foreign Entrants 4-digit base=2000 size=0 initial industry=1 initial ownership=1.pdf
  - Figure 3h: $figures/Fig Ln Number of Private Entrants 4-digit base=2000 size=0 initial industry=1 initial ownership=1.pdf
  - Figure C10a: $figures/Fig Ln Number of Foreign Entrants 4-digit base=2000 size=0 initial industry=1 initial ownership=0.pdf
  - Figure C10b: $figures/Fig Ln Number of Private Entrants 4-digit base=2000 size=0 initial industry=1 initial ownership=0.pdf
- **Script:** $dodir/Figures 3 panel C, C10.do

Figure D2: State, private, and foreign
Figure 4: Changes in within-industry employment shares for foreign continuers, entrants, and exiters and BTA tariff cuts
Figure 13: Decomposing changes in within-industry employment shares for foreign entrants by initial and subsequent employment and BTA tariff cuts
Figure C12: Changes in within-industry employment shares for foreign continuers, entrants, and exiters and BTA tariff cuts: Robustness to Controls
Figure C13: Estimate of change in employment share of foreign entrants and BTA tariffs with each industry omitted
Figure C14: Change in within-industry employment shares by ownership post BTA using adjusted year of entry
Figure C15: Change in within-industry employment shares by ownership post BTA using adjusted year of entry based on minimum reported start year
Figure D3: Changes in within-industry employment shares for continuers, entrants, and exiters and BTA tariff cuts
Figure D4: Changes in within-industry employment shares for state and private continuers, entrants, and exiters and BTA tariff cuts
Table/Figure 4b: Change in employment share coefficients in 2017
Table C8: Pooled employment share decomposition regressions, all owners
Table C9: Pooled employment share decomposition regressions, foreign
Table C10: Pooled employment share decomposition regressions, state
Table C11: Pooled employment share decomposition regressions, private

- **Inputs:**
  - `$output/Master enterprise dataset with 1999 added.dta`

- $trade/Vietnam exports to EU25 2000 4-digit ISIC rev4.dta
- $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta
- $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
- $trade/Chinese exports to the US 4-digit ISICrev3 2000-2017.dta
- $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
- $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta

- **Outputs:**
  - Figure D2: $figures/Change in empend shares 4-digit base=2000 - original owner - state private foreign - all - bar CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf
  - Figure 4: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - continuers entrants exiters - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf
  - Figure 13a: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - entr-init - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf
  - Figure 13b: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - entr-chan - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf
  - Figure C12a: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - continuers entrants exiters - CIs - w=1 r=1 c=0 v=2 d=4 small=0 export=0.pdf
  - Figure C12b: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - continuers entrants exiters - CIs - w=1 r=1 c=13 v=2 d=4 small=0 export=0.pdf
  - Figure C12c: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - continuers entrants exiters - CIs - w=1 r=1 c=14 v=2 d=4 small=0 export=0.pdf
  - Figure C13a: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - entrants - w=1 r=151-369 c=9 v=2 d=4 small=0 export=0 2006.pdf
  - Figure C13b: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - entrants - w=1 r=151-369 c=9 v=2 d=4 small=0 export=0 2016.pdf

- Figure C14a: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - by status - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0 h=2.pdf
- Figure C14b: $figures/Change in empend shares 4-digit base=2000 - original owner - state - by status - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0 h=2.pdf
- Figure C14c: $figures/Change in empend shares 4-digit base=2000 - original owner - private - by status - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0 h=2.pdf
- Figure C15a: $figures/Change in empend shares 4-digit base=2000 - original owner - foreign - by status - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0 h=3.pdf
- Figure C15b: $figures/Change in empend shares 4-digit base=2000 - original owner - state - by status - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0 h=3.pdf
- Figure C15c: $figures/Change in empend shares 4-digit base=2000 - original owner - private - by status - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0 h=3.pdf
- Figure D3: $figures/Change in empend shares 4-digit base=2000 - original owner - all owner - continuers entrants exiters - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf
- Figure D4a: $figures/Change in empend shares 4-digit base=2000 - original owner - state - continuers entrants exiters - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf
- Figure D4b: $figures/Change in empend shares 4-digit base=2000 - original owner - private - continuers entrants exiters - CIs - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf
- Table/Figure 4b: $tables/Coefs2017.tex
- Table C8: $tables/Pooled_emp_share_decomp_all_owners.tex
- Table C9: $tables/Pooled_emp_share_decomp_foreign.tex
- Table C10: $tables/Pooled_emp_share_decomp_state.tex
- Table C11: $tables/Pooled_emp_share_decomp_private.tex

- **Script:** $dodir/Figures D2 and related.do

Figure 5, panel A: Contemporary and initial employment among surviving entrants, 2001 entry cohort0
Figure D5: Contemporary and initial employment among surviving state and private entrants, 2001 entry cohort
Figure D6: Employment growth for 2001 foreign entry cohort by export status
Figure D7: Employment growth for foreign entry cohort by export status, multiple years

- **Inputs:**
  - `$output/Master enterprise dataset.dta`
- **Outputs:**
  - Figure 5a: `$figures/mean_employment_surviving_FIEs_2001entry.pdf`
  - Figure 5b: `$figures/mean_employment_surviving_2001entry_relative_entry.pdf`
  - Figure D5a: `$figures/mean_employment_surviving_SOEs_2001entry.pdf`
  - Figure D5b: `$figures/mean_employment_surviving_PRIs_2001entry.pdf`
  - Figure D5c: `$figures/mean_employment_surviving_PRIs_2001entry_more50.pdf`
  - Figure D6: `$figures/mean_employment_surviving_2002export_FIEs_2001entry.pdf`
  - Figure D7a: `$figures/mean_employment_surviving_2004export_FIEs_2001entry.pdf`
  - Figure D7b: `$figures/mean_employment_surviving_2010export_FIEs_2001entry.pdf`
  - Figure D7c: `$figures/mean_employment_surviving_2010export_FIEs_2005entry.pdf`
- **Script:** `$dodir/Figures 5, D5-D7.do`

Figure 6a: Changes in foreign entrant employment shares for exporters and non-exporters and BTA tariff cuts

- **Inputs:**
  - `$output/Master enterprise dataset with 1999 added.dta`
  - `$tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta`
  - `$tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta`

  - $trade/Chinese exports to the US 4-digit ISICrev3 2000-2017.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $trade/Vietnam exports to EU25 2000 4-digit ISIC rev4.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta

- **Outputs:**
  - Figure 6a: $figures/Change in empend shares 4-digit base=2000 - original owner-export - foreign - entrants - w=1 r=1 c=9 v=2 d=4 small=0 export=0.pdf

- **Script:** $dodir/Figure 6a.do

Figure 6b: Changes in foreign entrant employment shares for foreign entrants by source country and BTA tariff cuts, 2000-2017 – US and non-US foreign entrants

- **Inputs:**
  - $output/Master enterprise dataset with 1999 added.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 2000-2017.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta

- **Outputs:**
  - Figure 6b: $figures/Change in empend shares base=2000 - original owner - foreign entrant by USA-non-USA - CIs - w=1 r=1 c=9 d=4 small=0 export=0.pdf

- **Script:** $dodir/Figure 6b.do

Figure 6c: Changes in foreign entrant employment shares for foreign entrants by source country and BTA tariff cuts, 2000-2017 – Japanese, South Korean, Taiwanese, and other foreign entrants

- **Inputs:**
  - `$output/Master enterprise dataset with 1999 added.dta`
  - `$tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta`
  - `$tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta`
  - `$trade/Chinese exports to the US 4-digit ISICrev3 2000-2017.dta`
  - `$tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta`
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`
- **Outputs:**
  - `Figure 6c: $figures/Change in empend shares base=2000 - original owner - foreign entrant by source - CIs - w=1 r=1 c=9 d=4 small=0 export=0.pdf`
- **Script:** `$dodir/Figure 6c.do`

Figure 6 Panel C: Vietnam-U.S. exports by U.S. and non-U.S. affiliates and BTA tariffs, 2000-2011
Figure D8: Vietnam-US Exports from US and non-US Affiliates, 2000-2011

- **Inputs:**
  - `$tariffs/US related party trade 2000 to 2011 4-digit ISIC revision 3.dta`
  - `$tariffs/US-CH quotas 3-digit ISIC rev3 2001.dta`
  - `$tariffs/US-VN quotas 3-digit ISIC rev3 2003.dta`
  - `$trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta`
  - `$tariffs/Vietnam's MFN tariffs 2002 to 2017 3-digit ISIC revision 3 wide format.dta`
  - `$tariffs/2001 US AVE tariffs 3-digit ISIC industry.dta`
  - `$trade/Most recent Comtrade download/Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta`

- **Outputs:**
  - Figure 6d: $figures/Related vs Non-Related Party Trade US Imports from Vietnam ISIC 2000-2011 in Shares Manufacturing = 1.pdf
  - Figure 6e: $figures/Fig Ln US Related Party Imports 3-digit base=2000, 2000-2011 weights=1.pdf
  - Figure 6f: $figures/Fig Vietnam Related Party Exports to US 3-digit base=2000, 2000-2011 weights=1.pdf
  - Figure D8a: $figures/Related vs Non-Related Party Trade US Imports from Vietnam ISIC 2000-2011 in Shares Manufacturing = 1.pdf
  - Figure D8b: $figures/Related vs Non-Related Party Trade US Imports from Vietnam ISIC 2000-2011 Manufacturing = 1.pdf
- **Script:** $dodir/Figures 6 Panel C, D8.do

Figure 7: Vietnamese exports to the world including and excluding the U.S. and BTA tariffs, 2000-2018

- **Inputs:**
  - $baci/Other HS classifications/VN_exports_3-digit_HS96_1996-2018.dta
  - $baci/Other HS classifications/VN_exports_3-digit_HS02_2002-2018.dta
  - $baci/Other HS classifications/VN_exports_3-digit_HS07_2007-2018.dta
  - $baci/Other HS classifications/VN_exports_3-digit_HS12_2012-2018.dta
  - $baci/Other HS classifications/VN_exports_ex_US_3-digit_HS96_1996-2018.dta
  - $baci/Other HS classifications/VN_exports_ex_US_3-digit_HS02_2002-2018.dta
  - $baci/Other HS classifications/VN_exports_ex_US_3-digit_HS07_2007-2018.dta
  - $baci/Other HS classifications/VN_exports_ex_US_3-digit_HS12_2012-2018.dta
  - $tariffs/2001 US AVE tariffs 3-digit ISIC industry.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 3-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/US-VN quotas 3-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 3-digit ISIC rev3 2001.dta
  - $trade/Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta

- **Outputs:**
  - Figure 7a: $figures/17a using current HS but HS96 in 2002 & HS02 in 2007 & excluding industry 232.pdf
  - Figure 7b: $figures/17b using current HS but HS96 in 2002 & HS02 in 2007 & excluding industry 232.pdf
- **Script:** $dodir/Figures 7ab.do

Table A1: Share of enterprises with a changed identifier

- **Inputs:**
  - $output/Master enterprise dataset.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
- **Outputs:**
  - Table A1: $tables/madn_changes.tex
- **Script:** $dodir/Table A1.do

Figure B1: U.S. tariff reductions due to the BTA

- **Inputs:**
  - US tariffs $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
- **Outputs:**
  - Figure B1: $figures/US tariff reductions relative to initial tariffs.pdf
- **Script:** $dodir/Figure B1.do

Figure B2: Tariff reductions due to the BTA

- **Inputs:**
  - VSIC1993 2-digit industry codes and descriptions: $output/VSIC 1993 (English).xls
  - $output/Master enterprise dataset.dta

  - $tarifss/2001 US AVE tariffs 2-digit ISIC industry.dta

- **Outputs:**
  - Figure B2: $figures/dtariff_vsic2.pdf

- **Script:** $dodir/Figure B2.do

Figure B3: Tariff reductions due to the BTA and initial industry employment in foreign and domestic firms

- **Inputs:**
  - $output/VSIC 1993 (English).xls
  - $output/Master enterprise dataset.dta
  - $tarifss/2001 US AVE tariffs 2-digit ISIC industry.dta

- **Outputs:**
  - Figure B3a: $figures/foreign.pdf
  - Figure B3b: $figures/domestic.pdf

- **Script:** $dodir/Figure B3.do

Table B1: Summary Statistics, Years 2000 and 2017

- **Inputs:**
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
  - $output/Master enterprise dataset.dta

- **Outputs:**
  - Table B1: $tables/sumstats initialownership=1.tex

- **Script:** $dodir/Table B1.do

Table B2: Entry and Exit of Firms between 2000 and 2017

- **Inputs:**
  - `$output/Master enterprise dataset.dta`
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`
- **Outputs:**
  - Table B2: `$tables/entryexit_types_00_17 - Initial Ownership.tex`
- **Script:** `$dodir/Table B2.do`

Table B3: Employment at entry for private firms

- **Inputs:**
  - `$wbes/Bangladesh-2013-full-data.dta`
  - `$wbes/Cambodia-2007--full-data-1.dta`
  - `$wbes/Cambodia-2013-full-data.dta`
  - `$wbes/Cambodia-2016-full-data.dta`
  - `$wbes/China-2012-full-ES-N2700-data.dta`
  - `$wbes/Indonesia-2015-full-data.dta`
  - `$wbes/Vietnam-2009-full-data-.dta`
  - `$wbes/Vietnam-2015-full-data.dta`
- **Outputs:**
  - Table B3: `$tables/WBES_entry_emp.tex`
- **Script:** `$dodir/Table B3.do`

Figure B4: Vietnam's manufacturing exports by major market

- **Inputs:**
  - `$trade/Vietnam exports by country 4-digit ISICrev3 2000-2017.dta`
- **Outputs:**
  - Figure B4a: `$figures/Share of manufacturing exports to 6 by year.pdf`

  - Figure B4b: $figures/Value of manufacturing exports to 6 by year up to 2007.pdf
  - Figure B4c: $figures/Value of manufacturing exports to 6 by year.pdf

- **Script:** $dodir/Figure B4.do

Figure B5: Share of Vietnam's manufacturing exports by industry

- **Inputs:**
  - $output/Master enterprise dataset.dta
  - $trade/Vietnam exports by country 4-digit ISICrev3 2000-2017.dta
- **Outputs:**
  - Figure B5: $figures/Share of manufacturing exports by 2-digit industry in 2000 and 2017.pdf
- **Script:** $dodir/Figure B5.do

Figure B6: Share of firms that export

- **Inputs:**
  - $output/Master enterprise dataset.dta
- **Outputs:**
  - Figure B6: $figures/Share of manufacturing firms that export by owner-year.pdf
- **Script:** $dodir/Figure B6.do

Figure B7: Aggregate employment by ownership and exporting status

- **Inputs:**
  - $output/Master enterprise dataset.dta
- **Outputs:**
  - Figure B7a: $figures/Fig2_foreign.pdf
  - Figure B7b: $figures/FigC5_state.pdf

  - Figure B7c: $figures/FigC5_private.pdf
  - Figure B7d: $figures/FigC5_private_with_more_than_100_workers.pdf

- **Script:** $dodir/Figure B7.do

Figure B8a: Share of enterprises by export to sales ratio, 2009 - unweighted

Figure B8b: Share of enterprises by export to sales ratio, 2009 - Employment weighted

Figure B9a: Year that exporting starts relative to start year - unweighted

Figure B9b: Year that exporting starts relative to start year - Employment weighted

- **Inputs:**
  - $output/vtcs_med.dta
- **Outputs:**
  - Figure B8a: $figures/VTCS_export_80_90_95.pdf
  - Figure B8b: $figures/VTCS_export_80_90_95_empwt.pdf
  - Figure B9a: $figures/VTCS_export_startyear.pdf
  - Figure B9b: $figures/VTCS_export_startyear_empwt.pdf
- **Script:** $dodir/Figures B8, B9.do

Figure B10: Employment within foreign exporters by number of export markets

- **Inputs:**
  - $output/vtcs_med.dta
- **Outputs:**
  - Figure B10: $figures/share_emp_expmkts_all_foreign_VTCS_firms.pdf

- **Script:** $dodir/Figure B10.do

Figure B11: Percentage of output exported by foreign manufacturing firms

- **Inputs:**
  - $output/vtcs_med.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
- **Outputs:**
  - Figure B11a: $figures/4.pdf
  - Figure B11b: $figures/Export trends amongst foreign VTCS entrants.pdf
- **Script:** $dodir/Figures B11ab.do

Table B4: Source of inputs

- **Inputs:**
  - $output/vtcs_med.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
- **Outputs:**
  - Table B4: $tables/Source_of_inputs_using_2011_VTCS.tex
- **Script:** $dodir/Table B4.do

Figure B12: Average manufacturing tariff applied against Vietnam

Figure B13: Reductions in Chinese tariffs against Vietnam versus US tariff reductions

Figure B14: Vietnam's average manufacturing tariff

Figure B15: Vietnam's tariff reductions for various trade partners versus BTA-mandated US tariff reductions

- **Inputs:**

- $tariffs/China tariffs for Vietnam 2000 6-digit HS1.csv
- $tariffs/China MFN tariffs 1996-2011 6-digit HS.csv
- $tariffs/Concordance from HS1996 6-digit to ISIC rev3 4-digit from WITS.dta
- $tariffs/Concordance from HS2002 6-digit to ISIC rev3 4-digit from WITS.dta
- For HS4, HS5, and HS6: $tariffs/China tariffs for ASEAN 2005-2017 6-digit HS*.csv
- $tariffs/Concordance from HS2012/HS2017 6-digit to ISIC rev3/HS2012 from WITS.dta
- $tariffs/Vietnam tariffs for ASEAN, China, Japan 1999-2017 4-digit ISIC rev3.dta
- $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC rev3 wide format.dta
- $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
- $tariffs/Japan tariffs for Vietnam 1988-2018 4-digit ISIC rev3.dta
- $tariffs/EU14 tariffs Vietnam 2000-2018 4-digit ISIC rev3.dta
- $tariffs/China ASEAN tariffs 1996-2011 4-digit ISICrev3.dta

- **Outputs:**
  - Figure B12: $figures/Average manufacturing tariff applied against Vietnam.pdf
  - Figure B13: $figures/China Vietnam tariff reductions vs US tariff reductions.pdf
  - Figure B14: $figures/Average manufacturing tariff applied on ASEAN China Japan and MFN.pdf
  - Figure B15a: $figures/Vietnam MFN tariff reductions vs US tariff reductions.pdf
  - Figure B15b: $figures/Vietnam ASEAN tariff reductions vs US tariff reductions.pdf
  - Figure B15c: $figures/Vietnam China tariff reductions vs US tariff reductions.pdf
  - Figure B15d: $figures/Vietnam Japan tariff reductions vs US tariff reductions.pdf
- **Script:** $dodir/Figures B12-B15.do

Figure B16: Foreign employment and BTA tariff reductions controlling for additional changes in trade policy

- **Inputs:**
  - `$tariffs/Vietnam tariffs for ASEAN, China, Japan 1999-2017 4-digit ISIC rev3.dta`
  - `$output/Master enterprise dataset.dta`
  - `$tariffs/China ASEAN tariffs 1996-2011 4-digit ISICrev3.dta`
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`
  - `$tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC rev3 wide format.dta`
  - `$trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta`
  - `$tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta`
  - `$tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta`
- **Outputs:**
  - Figure B16a: `$figures/8a_china_vietnam.pdf`
  - Figure B16b: `$figures/8a_vietnam_asean.pdf`
  - Figure B16c: `$figures/8a_vietnam_china.pdf`
  - Figure B16d: `$figures/8a_vietnam_japan.pdf`
- **Script:** `$dodir/Figures B16abcd.do`

Table B5: Number of manufacturing enterprises, 1997 to 2001

- **Inputs:**
  - `$output/Number of firms merged with 2001 AVE.dta`
- **Outputs:**
  - Table B5: `$tables/nfirms_1997_2001.tex`
- **Script:** `$dodir/Table B5.do`

Figure B17: Share of foreign firms within an industry receiving financial incentives by investment license year

- **Inputs:**
  - `$pci/PCI_Final_FDI_FDI_Aug22.dta`
  - `$pci/isic_201019.dta`
  - `$output/VSIC1993 4-digit to VISC2007 2-digit (manufacturing only).dta`
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`
- **Outputs:**
  - Figure B17a: `$figures/Share of firms within an industry that receive financial incentives versus US tariff reductions - 2000 or earlier.pdf`
  - Figure B17b: `$figures/Share of firms within an industry that receive financial incentives versus US tariff reductions - 2001 to 2005.pdf`
  - Figure B17c: `$figures/Share of firms within an industry that receive financial incentives versus US tariff reductions - 2006 to 2010.pdf`
  - Figure B17d: `$figures/Share of firms within an industry that receive financial incentives versus US tariff reductions - 2011 to 2016.pdf`
- **Script:** `$dodir/Figure B17.do`

Table B6: Prevalence of investment incentives for foreign manufacturing firms by source country

- **Inputs:**
  - `$pci/PCI_Final_FDI_FDI_Aug22.dta`
  - `$pci/isic_201019.dta`
- **Outputs:**
  - Table B6: `$tables/Prevalence_of_investment_incentives_by_source_country.tex`
- **Script:** `$dodir/Table B6.do`

Figure B18: Change in employment relative to initial employment

- **Inputs:**
  - `$output/Master enterprise dataset.dta`
- **Outputs:**
  - Figure B18a: `$figures/Scatterplot dlempend vs lempend2000 total.pdf`
  - Figure B18b: `$figures/Scatterplot dlempend vs lempend2000 foreign.pdf`
  - Figure B18c: `$figures/Scatterplot dlempend vs lempend2000 state.pdf`
  - Figure B18d: `$figures/Scatterplot dlempend vs lempend2000 private.pdf`
- **Script:** `$dodir/Figures B18abcd.do`

Table B7: Worker characteristics

- **Inputs:**
  - `$censuses/bgnguoi-2009.dta`
  - `$censuses/1999 census 33.dta`
  - `$vhlss08/muc123a.dta`
  - `$vhlss08/muc4a.dta`
  - `$vhlss08/weight08new4.dta`
- **Outputs:**
  - Table B7: `$tables/Worker_characteristics.tex`
- **Script:** `$dodir/Table B7.do`

Table C1: Partial correlation between US tariff reductions and initial industry conditions

- **Inputs:**
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`
  - `$output/Master enterprise dataset.dta`
- **Outputs:**

- Table C1: $tables/partialcorr_initial.tex

- **Script:** $dodir/Table C1.do

Table C2: Partial correlation between US tariff reductions and prior industry employment changes

Table C3: Partial correlation between US tariff reductions and industry employment changes after the BTA

Table C4: Partial correlation between US tariff reductions and prior industry employment changes by ownership

Table C5: US tariff reductions and within-industry employment shares prior to the BTA

- **Inputs:**
  - $output/Master enterprise dataset.dta
  - $yearbook/Manufacturing employment 2-digit ISICrev3 1995-2004.dta
  - $tariffs/2001 US AVE tariffs 2-digit ISIC industry.dta
  - $survey98/Industrial survey 1998 employment.dta
- **Outputs:**
  - Table C2: $tables/partialcorr_pre_exis_indemp.tex
  - Table C3: $tables/partialcorr_post_indemp.tex
  - Table C4: $tables/partialcorr_pre_exis_indemp_owner.tex
  - Table C5: $tables/partialcorr_pre_exis_semp_owner.tex
- **Script:** $dodir/Tables C2 - C5.do

Figure C1: Employment and BTA tariffs, controlling for 1999-2000 trend

- **Inputs:**
  - $output/Master enterprise dataset.dta

  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta

- **Outputs:**
  - Figure C1a: $figures/7a controlling for 4-digit 1999 to 2000 trend.pdf
  - Figure C1b: $figures/8a controlling for 4-digit 1999 to 2000 trend.pdf
  - Figure C1c: $figures/8b controlling for 4-digit 1999 to 2000 trend.pdf
  - Figure C1d: $figures/8c controlling for 4-digit 1999 to 2000 trend.pdf

- **Script:** $dodir/Figures C1abcd.do

Figure C2: Employment and BTA tariffs, controlling for 1998-2000 trend

- **Inputs:**
  - $output/Industrial survey 1998 employment.dta
  - $output/Master enterprise dataset.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta

- **Outputs:**
  - Figure C2a: $figures/7a controlling for 2-digit 1998 to 2000 trend.pdf
  - Figure C2b: $figures/8a controlling for 2-digit 1998 to 2000 trend.pdf
  - Figure C2c: $figures/8b controlling for 2-digit 1998 to 2000 trend.pdf
  - Figure C2d: $figures/8c controlling for 2-digit 1998 to 2000 trend.pdf

- **Script:** $dodir/Figures C2abcd.do

Figure C4: Vietnam exports to the US and BTA tariffs, 1996-2018: Robustness to Controls

- **Inputs:**
  - $tariffs/US-CH quotas 3-digit ISIC rev3 2001.dta
  - $tariffs/US-VN quotas 3-digit ISIC rev3 2003.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 3-digit ISIC revision 3 wide format.dta
  - $tariffs/2001 US AVE tariffs 3-digit ISIC industry.dta
  - $trade/US imports from Vietnam 1996-2018 ISIC rev3 4-digit (Comtrade accessed Oct 4 2019).dta
  - $trade/Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta
- **Outputs:**
  - Figure C4a: $figures/Ln US Imports from VN 3-digit base=2000 weights=1 controls=quotas.pdf
  - Figure C4b: $figures/Ln US Imports from VN 3-digit base=2000 weights=1 controls=quotas MFN.pdf
- **Script:** $dodir/Figures C4ab.do

Figure C6: Estimate of Vietnam exports to the US and BTA tariffs with each industry omitted

- **Inputs:**
  - $trade/US imports from Vietnam 1996-2018 ISIC rev3 4-digit (Comtrade accessed Oct 4 2019).dta
  - $output/isic3_2000_VNexpWrld.dta
  - $trade/Vietnam exports to World 2000-2021 ISIC rev3 4-digit (Comtrade accessed Jun 21 2023).dta
  - $tariffs/2001 US AVE tariffs 3-digit ISIC industry.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 3-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta

  - $tariffs/US-VN quotas 3-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 3-digit ISIC rev3 2001.dta
  - $trade/Vietnam exports by country 4-digit ISICrev3 2000-2017.dta
  - $output/vsic3_d.dta

- **Outputs:**
  - Figure C6a: $figures/Ln US Imports from VN 3-digit base=2000 Each Industry Removed Year 2006 estimate.pdf
  - Figure C6b: $figures/Ln US Imports from VN 3-digit base=2000 Each Industry Removed Year 2016 estimate.pdf
- **Script:** $dodir/Figures C6ab.do

Table C6: Pooled regression at the industry level, 1999-2017

Table C7: Pooled regression by ownership-type, 1999-2017

- **Inputs:**
  - $output/Master enterprise dataset.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 2000-2017.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta
- **Outputs:**
  - Table C6: $tables/Pooled Regressions at 4-digit Industry-Level.tex
  - Table C7, top panel: $tables/Pooled Number of Firms Regressions at 4-digit Industry- and Ownership-Level Initial industry=1 Initial ownership=1.tex
  - Table C7, middle panel: $tables/Pooled Employment Regressions at 4-digit Industry- and Ownership-Level Initial industry=1 Initial ownership=1.tex
  - Table C7, bottom panel: $tables/Pooled Revenue Regressions at 4-digit Industry- and Ownership-Level Initial industry=1 Initial ownership=1.tex
- **Script:** $dodir/Tables C6 C7.do

Table D1: Long run industry employment growth by ownership and firm status

- **Inputs:**
  - `$output/Master enterprise dataset with 1999 added.dta`
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`
  - `$tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta`
  - `$trade/Chinese exports to the US 4-digit ISICrev3 2000-2017.dta`
  - `$tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta`
  - `$tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta`
- **Outputs:**
  - Table D1: `$tables/Employment growth decompositions.tex`
- **Script:** `$dodir/Table D1.do`

Figure D9: Average employment over time among continuing firms

Figure D10: Employment in continuing firms by ownership and BTA tariffs, 1999-2017

- **Inputs:**
  - `$output/Master enterprise dataset.dta`
  - `$tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta`
  - `$tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta`
  - `$trade/Chinese exports to the US 4-digit ISICrev3 1996-2017.dta`
  - `$tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta`
  - `$tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta`
- **Outputs:**
  - Figure D9: `$figures/12a for continuers.pdf`
  - Figure D10a: `$figures/7a for continuers.pdf`

- Figure D10b: $figures/8a for continuers.pdf
- Figure D10c: $figures/8b for continuers.pdf
- Figure D10d: $figures/8c for continuers.pdf

- **Script:** $dodir/Figures D9 D10.do

Figure D11: Exit by ownership and BTA tariffs, 2000-2017

- **Inputs:**
  - $output/Master enterprise dataset.dta
  - $tariffs/2001 US AVE tariffs 4-digit ISIC industry weight all.dta
  - $tariffs/Vietnam's MFN tariffs 2002 to 2017 4-digit ISIC revision 3 wide format.dta
  - $trade/Chinese exports to the US 4-digit ISICrev3 2000-2017.dta
  - $tariffs/US-VN quotas 4-digit ISIC rev3 2003.dta
  - $tariffs/US-CH quotas 4-digit ISIC rev3 2001.dta
- **Outputs:**
  - Figure D11a: $figures/Fig Ln Number of Exiters 4-digit base=2000 size=0 initial industry=1 initial ownership=1.pdf
  - Figure D11b: $figures/Fig Ln Number of Foreign Exiters 4-digit base=2000 size=0 initial industry=1 initial ownership=1.pdf
  - Figure D11c: $figures/Fig Ln Number of State Exiters 4-digit base=2000 size=0 initial industry=1 initial ownership=1.pdf
  - Figure D11d: $figures/Fig Ln Number of Private Exiters 4-digit base=2000 size=0 initial industry=1 initial ownership=1.pdf
- **Script:** $dodir/Figures D11abcd.do