

Hieu Nguyen

Read-me documentation

ECON 398: Advanced Econometrics

Professor Underwood

Section 1: Replication content in “Nguyen-398-Project” folder

- Final Empirical Research Paper (*Final Paper–Nguyen.pdf*)
- Read Me File (*ReadMe–Nguyen.pdf*)
- Original-Data Folder
 - Base data file created in Processing.do (*base.dta*)
 - Original and Importable Excel data files
 - Metadata subfolder:
 - Metadata Guide (*MetadataGuide–Nguyen.docx*)
- Command-Files Folder
 - *Processing.do*
 - *Construction.do*
 - *Analysis.do*
- Analysis-Data Folder
 - Analysis data file (*analysis.dta*) created in *Construction.do*
- Documents Folder
 - Final Empirical Research Paper (*Final Paper–Nguyen.docx*)
 - Read Me File (*ReadMe–Nguyen.docx*)
- Graphs
 - *income-female.png*
 - *gdp.png*
 - *hdi.png*

Section 2: Create importable data

Open **Original-Data** folder after you follow the steps of obtaining and saving the original data files as instructed in the *Metadata Guide* (which is stored in the **Metadata** subfolder in **Original-Data** folder).

1. Create the importable data for the *dep1_original* file on Excel.
 - i. Make another copy of the *dep1_original* file in the same folder. Open this copied file.
 - ii. Remove the top five rows (1-5) because Stata cannot read these rows.
 - iii. Remove columns “HDI Rank”, “1990”, and the last column because they are irrelevant.
 - iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *dep1_importable*.
 - vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.

2. Create the importable data for the *dep2_original* file on Excel.
 - i. Make another copy of the *dep2_original* file in the same folder. Open this copied file.
 - ii. Remove the top six rows (1-6) because Stata cannot read these rows.
 - iii. Remove column “HDI Rank” and the last column because they are irrelevant.
 - iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *dep2_importable*.
 - vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.

3. Create the importable data for the *dep3_original* file on Excel.
 - i. Make another copy of the *dep3_original* file in the same folder. Open this copied file.
 - ii. Remove the top five rows (1-5) because Stata cannot read these rows.
 - iii. Remove column “HDI Rank” and the last column because they are irrelevant.
 - iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *dep3_importable*.

- vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.
4. Create the importable data for the *expl1_original* file on Excel.
- i. Make another copy of the *expl1_original* file in the same folder. Open this copied file.
 - ii. Remove the top six rows (1-6) because Stata cannot read these rows.
 - iii. Remove columns “HDI Rank”, “1990”, and the last two columns because they are irrelevant.
 - iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *expl1_importable*.
 - vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.
5. Create the importable data for the *expl2_original* file on Excel.
- i. Make another copy of the *expl2_original* file in the same folder. Open this copied file.
 - ii. Remove the top five rows (1-5) because Stata cannot read these rows.
 - iii. Remove columns “HDI Rank”, “1990”, and the last two columns because they are irrelevant.
 - iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *expl2_importable*.
 - vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.
6. Create the importable data for the *expl3_original* file on Excel.
- i. Make another copy of the *expl3_original* file in the same folder. Open this copied file.
 - ii. Remove the top five rows (1-5) because Stata cannot read these rows.
 - iii. Remove columns “HDI Rank”, “1990”, and the last two columns because they are irrelevant.

- iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *expl3_importable*.
 - vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.
7. Create the importable data for the *expl4_original* file on Excel.
- i. Make another copy of the *expl4_original* file in the same folder. Open this copied file.
 - ii. Remove the top six rows (1-6) because Stata cannot read these rows.
 - iii. Remove columns “HDI Rank”, “1990”, and the last two columns because they are irrelevant.
 - iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *expl4_importable*.
 - vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.
8. Create the importable data for the *expl5_original* file on Excel.
- i. Make another copy of the *expl5_original* file in the same folder. Open this copied file.
 - ii. Remove the top six rows (1-6) because Stata cannot read these rows.
 - iii. Remove columns “HDI Rank” and “1991” because they are irrelevant.
 - iv. Delete all columns containing no data.
 - v. Now the file is importable. Save and rename the file as *expl5_importable*.
 - vi. Note that, among these countries, we only need the subset of countries in the Southeast Asia; and the data structure is wide while Stata prefers the long structure. We deal with these issues in Stata.

Section 3: Instructions for replicating the study

You will need access to Stata MP, Version 16 with further add-ons: *outreg2* (write regression results in Excel table)

- First download the replication **Nguyen-398-Project** folder. Be sure not to change the organization of the folders and the files they contain.
- Open Stata and set the working directory to **Command-Files** folder.
- Open *Processing.do* in the **Command-Files** folder and run the entire file
 - Stata will combine and adjust the dependent variable data file (*all_dep.dta*) and explanatory variable data file (*all_expl.dta*) in the **Original-Data** folder.
 - Then it will generate and save the base data file or *base.dta* (which is stored in the **Original-Data** folder).
 - Every time you run the *Processing.do*, it will overwrite the previously generated version of *base.dta*
- Open *Construction.do* in the **Command-Files** folder and run the entire file
 - Stata will process and adjust the data from the base data file or *base.dta*. Then it will generate and save the analysis data file or *analysis.dta* (which is stored in the **Analysis-Data** folder) that will be used to generate the figures and regressions for the paper.
 - Every time you run the *Construction.do*, it will overwrite the previously generated version of *analysis.dta*.
- Open *Analysis.do* in the **Command-Files** folder and run the entire file.
 - Stata will read the data from the analysis data file or *analysis.dta* (which was created, adjusted, and saved in the **Analysis-Data** folder after running *Processing.do* and *Construction.do*)
 - It will generate three line graphs and three regression tables.