

README: Replication Files for "Firm's Preferences for Emissions Reducing Measures and Willingness to Pay for Carbon Tax in Vietnam"

Overview

This repository contains the necessary files for replicating the analysis in "Firm's Preferences for Emissions Reducing Measures and Willingness to Pay for Carbon Tax in Vietnam" by Govinda Timilsina, Chau Tran, and Gal Hochman. Memory and Runtime Requirements: The Stata analysis code approximately requires 2 minutes to execute completely. Software Requirements: Stata (Tested on version 16)

Required Stata packages:

- asdoc
- estout
- outreg2

Data Availability

Data Sources

Most of the data were collected by the authors in a 2023 survey using the questionnaire presented in Appendix A of the paper. Variable names follow the question numbering. For example, q1_5 corresponds to Question 1.5. Data for Questions 1.1 to 1.4 have been removed because they contain confidential firm information.

Secondary datasets: In addition, data on **ownership**, **industry**, and **region** are extracted from the **Vietnam Enterprise Survey 2021** which conducted by General Statistics Office of Vietnam. The data used in this paper were accessed in March 2024. Access to the survey data requires permission from the GSO. Inquiries can be directed to: banbientap@nso.gov.vn or vanphong@nso.gov.vn.

Dataset could be found at "Reproducibility package/Data/Vietnamsurvey.dta"

Statement about Rights

- ☒ I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

Instructions for Replicators

Replicators can use Vietnamsurvey.do (Reproducibility package /Dofile/Vietnamsurvey.do to reproduce the listed tables and figures presented in the manuscript. The do-file includes

notes indicating the starting command for each figure and table. Below are the details on how the values reported in each figure and table can be generated and identified in the corresponding presentations in the manuscript.

Exhibit name	Output filename	Script	Note
Figure 1	Figure.doc Figure.xlsx.	Vietnamsurvey.do (line 18-19)	Since it is difficult to export the results of the tabulate two-way command to Excel, the asdoc command is used to export the results to Figure.doc file. The results are then copied to Figure.xlsx for plotting the figure, with the data rounded and converted to percentages. In the file Figure.doc and Figure.xlsx , the data used for the figure are clearly specified as “Figure 1”. Missing values are treated as “no response”.
Figure 2	Figure.doc Figure.xlsx	Vietnamsurvey.do (line 21-25)	In the file Figure.doc and Figure.xlsx, the data used for the figure are clearly specified under “Figure 2”. The data for each line in Figure.xlsx are extracted from the “Yes” column of each table in Figure.doc , with the values rounded and converted to percentages.
Figure 3	Figure.doc Figure.xlsx	Vietnamsurvey.do (line 28-33)	In the file Figure.doc and Figure.xlsx, the data used for the figure are clearly specified under “Figure 2”. The data for each line in Figure.xlsx are extracted from the “Percent” column of each table in Figure.doc , with the values rounded and converted to percentages.
Figure 4	Figure.doc Figure.xlsx	Vietnamsurvey.do (line 36-40)	In the file Figure.doc and Figure.xlsx, the data used for the figure are clearly specified under “Figure 4”. The data for each line in Figure.xlsx are extracted from the “Yes” column of each table in Figure.doc , with the values rounded and converted to percentages.
Figure 5	Figure.doc Figure.xlsx	Vietnamsurvey.do (line 43-47)	In the file Figure.doc and Figure.xlsx, the data used for the figure are clearly specified under “Figure 5”. The data for each line in Figure.xlsx are extracted from the “Percent” column of each table in Figure.doc , with the values converted to percentages.
Figure 6	Figure.doc Figure.xlsx	Vietnamsurvey.do (line 50-53)	In the file Figure.doc and Figure.xlsx, the data used for the figure are clearly specified under “Figure 6”. The data for each line in Figure.xlsx are extracted from each line in Figure.doc , with the values converted to percentages.

Exhibit name	Output filename	Script	Note
Figure 7	Figure.doc Figure.xlsx	Vietnamsurvey.do (line 56-59)	In the file Figure.doc and Figure.xlsx, the data used for the figure are clearly specified under “Figure 7”. The data for each line in Figure.xlsx are extracted from each line in Figure.doc , with the values converted to percentages.
Figure 8	Figure.doc Figure.xlsx	Vietnamsurvey.do (line 62-66)	In the file Figure.doc and Figure.xlsx, the data used for the figure are clearly specified under “Figure 5”. The data for each line in Figure.xlsx are extracted from the “Percent” column of each table in Figure.doc , with the values rounded and converted to percentages.
Table 1 Part A	Table1_PartA.csv	Vietnamsurvey.do (line 70-99)	This corresponds to the values presented in Part A of Table 1. The data in the Table1_PartA.csv column should be compared with the lines in the manuscript according to the following rule: each cell block includes two numbers - the summary statistic and its standard deviation (in parentheses), or the estimated difference and its standard error (in the brackets). A blank cell block indicates that the group is the reference group and therefore has a value of 0.000 in the output files. <i>This rule should also be applied to the remaining Parts of the Table.</i>
Table 1 Part B	Table1_PartB.csv	Vietnamsurvey.do (line 105-222)	This corresponds to the values presented in Part B of Table 1, following the rule as abovementioned
Table 1 Part C	Table1_PartC.csv	Vietnamsurvey.do (line 229-349)	This corresponds to the values presented in Part C of Table 1, following the rule as abovementioned
Table 1 Part D	Table1_PartD.csv	Vietnamsurvey.do (line 355-468)	This corresponds to the values presented in Part D of Table 1, following the rule as abovementioned
Table 1 Part E	Table1_PartE.csv	Vietnamsurvey.do (line 471-539)	This corresponds to the values presented in Part E of Table 1, following the rule as abovementioned
Table 1 Part F	Table1_PartF.csv	Vietnamsurvey.do (line 546-609)	This corresponds to the values presented in Part F of Table 1, following the rule as abovementioned

Exhibit name	Output filename	Script	Note
Table 1 Part G	Table1_PartG.csv	Vietnamsurvey.do (line 614-727)	This corresponds to the values presented in Part F of Table 1, following the rule as abovementioned
Table 1 Part H	Table1_PartH.csv	Vietnamsurvey.do (line 731-817)	This corresponds to the values presented in Part H of Table 1, following the rule as abovementioned
Table 2	Table2.csv	Vietnamsurvey.do (line 821-856)	
Table 4	Table4.xls	Vietnamsurvey.do (line 859-896)	The variable “remove” is used to identify observations for which the dependent variable is perfectly predicted.
Table 5	Table5.xls	Vietnamsurvey.do (line 899-946)	Number of observations, Wald χ^2 and p value presented in columns (1), (3), (5), (7), (9), (11) and (13) of Table5.xls correspond to Specifications 1–7 in Table 5 of the manuscript. The estimated values for each specification are presented in columns (2), (4), (6), (8), (10), (12) and (14) relatively of the output file.
Table B.1	AppendixB.csv	Vietnamsurvey.do (line 949-1019)	Outputs/Appendix/Tables/AppendixB.csv

Folder Structure

Data

└─Vietnamsurvey.dta

Dofile

└─ Vietnamsurvey.do

Outputs

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└─ Main
   └─ Tables
   └─ Figures
└─ Appendix
   └─ Tables
   └─ Manuscript

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