

Mia Mac
Read Me File
ECON 398
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1. The Contents of the Replication Documentation

There are four main subfolders in the folder Mac-398-Project - Original_Data, Analysis_Data, Command_Files, and Documents – the pdf version of the final paper, and the pdf version of the Read Me File

• Original_Data

- Include 2 original datasets as excel files: PastrCropbyState.xlsx (dataset on organic farming in United States) and climatewatch-usemissions.xlsx (dataset on greenhouse gas emission in United States)
- Include 2 importable datasets of the original datasets: PastrCropbyState_importable.xlsx and climatewatch-usemissions_importable.xlsx.
- Include a base data file – base_file.dta – which can be used to generate the data
- Include a subfolder for Metadata Guide which is the guide to import the two original datasets

• Analysis_Data

- Include the analyst dataset: analyst.dta

• Command_Files

- Included 3 do.files and 3 log.files
- 3 do.files: processing.do, construction.do, analysis.do
 - processing.do: import and clean the two importable datasets and merge in to base_file.dta
 - construction.do: further cleaning for base_file.dta and create a new variable.
 - analysis.do: run three different model specifications – pooled OLS and fixed effect models – to investigate the relationship of total organic farming and total greenhouse gas emission.
- 3 log.files: processing.log, construction.log, analysis.log

• Documents

- Include the Final Paper and Read Me File

2. Modifications Made to Importable Data Files

• Clean each original excel file

- climatewatch-usemissions.xlsx
 - Delete 1-3 rows, remove the logo image and rename as climatewatch-usemissions_importable.xlsx
- PastrCropbyState.xlsx
 - Delete sheet pastcrop97, pastcrop11, pastcrop10
 - Delete the first row and row 58-59

- Delete row 2-7
- Change Number of certified operations to certified_operations
- Change Crops to crops
- Change Pasture & Rangeland to pasture_rangeland
- Change Total to total_organic_arces
- Fill "state" in A1
- Repeat step 2 to 8 for the rest data sheets
- Rename as PastrCropbyState_importable.xlsx
- Save in the Original_Data subfolder

3. Instructions for Replicating the Study

- Using Stata BE, Version 18 to clean and analyze the dataset
- Setting Directory to Mac-398-Project
- First, run the processing.do to import the two datasets and merge into the base_file.dta
- Next, run the processing.do for further cleaning and creating new variables.
- Lastly, run the analysis.do to get the regression results. In the do.file, outreg2 installation is also included.