This directory contains data and code that replicates tables and figures for the following paper:

Title: My Paper

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One master script runs all of the code. The analysis requires minimal memory and processing resources. It was last run on a Windows 10 Desktop with 32 gigabytes of RAM and an i7-8700 CPU 3.20 GHz processor. The runtime was less than one minute.

## **Data availability statement**

We certify that the authors of the manuscript have legitimate access and permission to use the data employed in this manuscript.

# **License**

The data are licensed under a Creative Commons Attribution 4.0 International Public License. The code is licensed under a Modified BSD License. See **LICENSE.txt** for details.

# **Software requirements**

Stata version 15 or higher

• Add-on packages are included in **scripts/libraries/stata** and do not need to be installed by user. The names, installation sources, and installation dates of these packages are available in **scripts/libraries/stata/stata.trk**.

R version 3.6.0 or higher (available for free from: https://cloud.r-project.org)

- Two add-on packages are required: tidyverse, estimatr
- These packages can be installed three different ways:<sup>1</sup>
  - o Manually by typing, e.g., install.packages("tidvverse") at the R prompt
  - o Automatically by opening R and running scripts/programs/ install R packages.R
  - o Automatically by uncommenting line 39 of **run.do**

Note: if you don't wish to install R, the R portion of the analysis can be disabled (see **Instructions** below)

## **Instructions**

Executing the master script **run.do** will run the analysis and generate all tables and figures. Before running this script, you must make one edit:

1.	Line 18: Define a global macro, MyProject, that points to the directory containing this README file
For ex	ample, that line should look something like the following:
	global MyProject "C:/Users/jdoe/my-project/analysis"
	not available on your system, you can disable the R portion of the analysis by setting the global macro <b>DisableR</b> to 1 in line 21 of <b>run.do</b> :
	global DisableR = 1

<sup>&</sup>lt;sup>1</sup> For those interested, the script **\_install\_R\_packages.R** includes commented-out code showing how to install R packages locally into **scripts/libraries/R**, so that users do not need to install the packages themselves. Doing this may use up a lot of disk space, however.

### **Directory structure**

```
my-project/analysis
                                # Replication package folder
                                   Read-only (input) data
data
processed
                                   Processed data
                                #
                                   Output files
results
                                #
                                #
   — figures
                                      Figures (PDF)
                                      Intermediate results
    intermediate
                                #
  — tables
                                #
                                      Tables (LaTeX)
 scripts
                                #
                                   Code
   — libraries/stata
                               #
                                      Add-on Stata packages
                                      Auxiliary code called by scripts
    - programs
    1 process raw data.do
   - 2 clean data.do
   - 3 regressions.do
   - 4_make_tables_figures.do
                                   Master script
```

# **Datasets**

#### Automobile data

The automobile data are available from Stata (StataCorp, 2017). They can be obtained by executing the following code at the Stata prompt:

sysuse auto, clear

This replication package includes a CSV version of those data. The file is located here:

/data/auto.csv

# **Descriptions of scripts**

run.do is a master script that sets up the environment, creates output folders, and then calls other scripts.

### 1 process raw data.do

This script imports the raw automobile data and saves it in Stata format.

### 2 clean data.do

This script processes the automobile data and prepares it for analysis.

#### 3 regressions.do

This script estimates regression models in Stata, and calls an R script that estimates additional regression models in R. The raw regression results are saved in **results/intermediate**.

### 4\_make\_tables\_figures.do

This script creates figures and tables, saving them to results/figures and results/tables.

# References

StataCorp (2017). Stata Statistical Software: Release 15. College Station, TX: StataCorp LLC.

# **Lists of exhibits**

	Figure	Source script	Line number	Output file	Notes
	Figure 1	4_make_tables_figures.do	21	price_histogram.pdf	

Table	Source script	Line number	Output file	Notes
Table 1	4_make_tables_figures.do	64	my_summary_stats.tex	
Table 2	4_make_tables_figures.do	109	my_regressions.tex	
Table 3	4_make_tables_figures.do	167	my_regressions_with_r.tex	