

## Alcohol Exercise: Read Me File

### I. Contents of the Replication Documentation

The replication documentation provided here for the Alcohol Exercise consists of a hierarchy of electronic folders and files that are organized as shown below:

**Your-Name-Alcohol-Exercise** (the main project folder)

*readme.pdf* (a document in the top level of **Your-Name-Alcohol-Exercise**)

**Documents** (a sub-folder of **Your-Name-Alcohol-Exercise**)

*figures.pdf*

*narrative.pdf*

*data-appendix.pdf*

**Original-Data** (a sub-folder of **Your-Name-Alcohol-Exercise**)

*04291-0001-Data.dta*

**Metadata** (a sub-folder of **Original-Data**)

*04291-0001-Codebook.pdf*

**Command-Files** (a sub-folder of **Your-Name-Alcohol-Exercise**)

*processing.do*

*data-appendix.do*

*analysis.do*

**Analysis-Data** (a sub-folder of **Your-Name-Alcohol-Exercise**)

*analysis.dta*

**Graphs** (a sub-folder of **Your-Name-Alcohol-Exercise**)

**For-Report** (a sub-folder of **Graphs**)

*Figure1.gph*

*Figure2.gph*

*Figure3.gph*

*Figure4.gph*

*Figure5.gph*

*Figure6.gph*

### **For-Data-Appendix** (a sub-folder of **Graphs**)

*drunk-dist.gph*

*free-dist.gph*

*volfree-dist.gph*

*housing-dist.gph*

*hsdrunk-dist.gph*

## **II. Using this documentation to replicate the exercise**

To replicate the exercise, you will need access to a computer with a copy of Stata installed. (The command files provided here were written in version 15 of Stata.)

The steps required for the replication are as follows:

- Copy the **Your-Name-Alcohol-Exercise** folder, and all of its contents, on to the computer you will be using. Be sure not to change the organization of the folders and the files they contain.
- Launch Stata.
- Set Stata's working directory to the **Command-Files** folder.
- Open *processing.do*, and run the entire file.

*processing.do* will:

- Read the data from the original data file *04291-0001-Data.dta* (which is stored in the **Original-Data** folder).
- Process the data as necessary to create the analysis data file that will be used to generate the figures for the exercise.
- Save the processed analysis data in a file named *analysis.dta*, stored in the **Analysis-Data** folder. (If a previously generated version of these *analysis.dta* is already stored in the **Analysis-Data** folder when you run *processing.do*, it will be overwritten.)

- Open *data-appendix.do*, and run the entire file.

*data-appendix.do* will:

- Read the data from the analysis data file *analysis.dta* (which was created and saved in the **Analysis-Data** folder when you ran *processing.do*).
- Generate the five graphs that are presented in the Data Appendix (*data-appendix.pdf*). Each graph will show the frequency distribution of one of the variables in the analysis data file. These graphs will be saved in the **Graphs** folder. (If previously generated versions of these graphs are already stored in the **Graphs** folder when you run *data-appendix.do*, they will be overwritten.)
- Generate additional output presented in the Data Appendix, including tables and descriptive statistics.

- Open *analysis.do*, and run the entire file.

*analysis.do* will:

- Read the data from the analysis data file *analysis.dta* (which was created and saved in the **Analysis-Data** folder when you ran *processing.do*).
- Generate the six bar graphs that are shown in the Figures document (*figures.pdf*) and discussed in the Narrative document (*narrative.pdf*).