Replication files for

"Heterogeneous Impact of the Minimum Wage:

Implications for Changes in Between- and Within-group Inequality"

Tatsushi Oka and Ken Yamada

November 2020

This folder contains Stata, R, and Matlab program files.

– Program files are stored under the folder "replication\code".
– Data files are downloadable from https://www.aeaweb.org/articles?id=10.1257/app.20140073. Store "minwage-by-state.dta" and "morg_cleaned_t.dta" for t = 1979, 1980, ..., 2012 under the folder "replication\data\raw".

The results in the paper can be replicated using these files. The directory names need to be specified in each file.

1. Codes to construct the sample and variables:

   1a. Start by running "1a.sample.do".

2. Codes to reproduce the descriptive statistics:

   2a. Run "1b.table1.do" to reproduce Table A1.

   2b. Run "2a.figure1a.do" to reproduce Figure 1.

   2c. Run "2b.figure1b.do" to reproduce Figure 2.

   2d. Run "2c.figure2.do" to reproduce Figure 3.

3. Codes to reproduce the estimation results:

   3a. After setting "thre = 50" in "3b.impute.do", "3c.prob2.do", "3d.qreg.do", "3e.regress.do", "4a.import.do", and "4b.regress.do" and "spec = 50" in "bootstrap_1st.R", "bootstrap_2nd.m", and "bootstrap_2nd_LL.m", run "3a.prob1.do", "3b.impute.do", "3c.prob2.do", "3d.qreg.do", "3e.regress.do", "3f.export.do", "bootstrap_1st.R", "bootstrap_2nd.m", "4a.import.do", and "4b.regress.do" in sequence to reproduce Figures 5–7 and D2–D4.

   3b. After setting "thre = 0" in "3b.impute.do", "3c.prob2.do", "3d.qreg.do", "3e.regress.do", "4a.import.do", and "4b.regress.do" and "spec = 0" in "bootstrap_1st.R" and "bootstrap_2nd.m", run "3a.prob1.do", "3b.impute.do", "3c.prob2.do", "3d.qreg.do", "3e.regress.do", "3f.export.do", "bootstrap_1st.R", "bootstrap_2nd.m", "4a.import.do", and "4b.regress.do" in sequence to reproduce Figure D1.

4. Codes to reproduce the simulation results:

   4a. After reproducing the estimation results, run "4c.counterf.do" and "4d.actual.do" in sequence to reproduce Figures 8–15 and D5–D8.