1 Instructions: Results Programs

This README file contains instructions for how to run the programs to in the folder "Results". Specifically, these programs produce all results in the paper. This README therefore describes step-by-step how to reproduce all the figures and tables in the paper.

1. Run the file "MainExhibits.R", which creates:
    - Table 1
    - Figure 2
    - Table 3
    - Rotemberg weights cited in-text
2. Unzip the file "Derived Data\Table 2 Data.zip" and then run the files "Table2_PanelA.do", "Table2_PanelB_1.do", and "Table2_PanelB_2.do". The output of these .do files report all numbers used in Table 2.
3. Run the file "Subprograms/PrepTableA7.do".
4. Run the file "AppendixExhibits.R", which creates:
    - Table A4
    - Table A6
    - TableA7
    - TableB1
    - TableA3

2 Detailed Descriptions

MainExhibits.R: Takes as inputs the clean weather file (Derived Data/weatherdf.csv), the clean 2009-2018 ACS file (Derived Data/acs2009_2018.csv) and the bartik instrument at 40km file (Derived Data/dfbartik2005_40kmanalysis_annual.csv). Makes the following files and saves them in "output" (some codes need additional files that are listed in sub-bullets):

- "analysis/1_Table1.R": makes the four panels of Table 1
- "analysis/2_Table3.R": makes Table 3
- "analysis/TableA7.R" : makes Table A7

- "analysis/2_Figure2a.R": makes Figure 2a
- "analysis/2_Figure2b.R": makes Figure 2b
- "analysis/6a_rotemberg_avg.R": calculates the Rotemberg weights cited on pages 11-12

AppendixExhibits.R: Files need to be run in order listed. Takes as inputs the clean weather file (Derived Data/weatherdf.csv), the clean 2009-2018 ACS file (Derived Data/acs2009_2018.csv) and the bartik instrument at 40km file (Derived Data/dfbartik2005_40kmanalysis_annual.csv).
Makes the following files and saves them in "output":

- "analysis/TableA4.R": Makes Panel B,C of Table A4
- "analysis/TableA6.R" : Makes Table A6
- "analysis/TableA4PanelA.R" : makes Panel A of Table A4
- "analysis/TableA4PanelD.R": makes Panel D of Table A4
  - uses "Derived Data/plant_by_year_withloc.dta" and
  - SEDA Shapefiles
- "analysis/summarystats_TableB1.R": makes Table B1
- "analysis/7_cormat.R": makes Table A3
  - uses "Raw Data/4. ACS Data/us census bureau regions and divisions.csv"