Synth\_LTCI readme

2019.1.17

2020.2.12

2020.11.24

**do files**

* intro.do > for checking some descriptive data property
* data\_setup.do > data setup
* synth\_y\_setup/synth\_$outcome.do > setup for each outcome variable($outcome)
* main\_synth.do > main synth analysis
* post\_synth.do > save post synth results
* twoway\_graph.do > make synth graphs
* basic\_placebo.do >　implement basic placebo tests
* LOO\_Placebo.do > implement leave one out placebo
* LOO\_placebo\_graph.do > make and save leave-one-out placebo groups

**Implementation**

1. **Run main\_synth.do**

<Running the following do flies Inside this do file＞

data\_setup.do

synth\_y\_setup/synth\_$outcome.do

post\_synth.do (save post synth results)

twoway\_graph.do (graph cases 1-3)

1. **Run basic\_placebo.do**

<Running the following do flies Inside this do file＞

data\_setup.do

synth\_y\_setup/synth\_$outcome.do

＜Saved data＞

post\_synth/\_$donor/\_$outcome/basic\_plcb\_$outcome

graph/\_$donor/basic\_plcb\_$outcome

graph/\_$donor/basic\_plcb\_$outcome.pdf

1. **Run LOO\_placebo.do (LOO: leave one out)**

<Running the following doflies Inside this do file＞

data\_setup.do

synth\_y\_setup/synth\_$outcome.do

<saved results＞

post\_synth/\_$donor/gap\_$outcome

1. **Additional analysis**

RR2 : In-time placebo, where 1993 is used for placebo intervention year

RR3 : Drop Countries that LTC expenditure growth are above 0.1% point in 2000-2010

Austria 2 Finland 6 France 7 Spain 15 UK 18

RR4: drop countries that pre-2000 LTC expenditures are zero or fluctuated

Austalia 1 Belgium 3 Italy 9 Portugal 14 Sweden 16