Replication Guide for **The Fertility Consequences of Air Pollution in China**

1. Save all the data files and do files in the same folder
2. Change directory to that folder
3. SSC find and install reghdfe and ivreghdfe in Stata
4. Run "do all.do" in Stata

Datasets Used:

1. **pm25_1998_2017:** Air Quality Data from 1998 to 2017 (available).
2. **city_weather**: Weather condition data from China Meteorological Data Service Center (available).
3. **census10:** We are not able to share the 2010 population census, due to the policies of National Bureau of Statistics. Researchers can apply the data from National Bureau of Statistics.
4. **dist**: The distance to Shanghai, Tianjin and Shenzhen seaport (available).
5. **bigcity_dist**: The distance to the nearest big city (available).
6. **total_coal_2009 (Wind direction IV)**: Wind direction data from National Meteorological Information Center of China with restricted access.
7. **thermal_2009**: we obtain thermal inversion data from NASA. Researchers can download the data from https://disc.sci.gsfc.nasa.gov/datasets/M2I6NPANA_V5.12.4/summary?keywords=%22MERRA-2%22%20M2I6NPANA&start=1920-01-01&end=2017-01-16.
8. **city_2009**: 2009 city attributes collected from China City Statistical Yearbook (available).
9. **city_2004**: 2004 city attributes collected from China City Statistical Yearbook (available).
10. **city_geo**: Other weather and geological Controls (available).
11. **elec**: Electricity demand collected from China City Statistical Yearbook (available).
12. **elevation_wk**: Elevation (available).
13. **fines**: Fine rate of the One Child Policy (available).
14. **housing**: Housing price collected from the Xitai Real Estate Big Data depository (available).
15. **income_2000**: Income collected from China City Statistical Yearbook (available).
16. **other_pollutant**: SO2 emission and industrial NO_x emission (available).
17. **CFPS_2014_clean**: health and education expenditure from 2014 China Family Panel Studies (CFPS) (available).
18. **CLDS_***: China Labor-force Dynamics Survey data are restricted access. Researchers can apply the data from Center for Social Survey, Sun Yat-sen University (cssdata@mail.sysu.edu.cn).