Replication Guide for **Property Rights, Land Misallocation and Agricultural Efficiency 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 edfreg, coefplot, xtabond2 and reghdfe in Stata
4. Run “do all.do” in Stata

**Datasets Used:**

The analysis uses a number of datasets, some of which are created from underlying micro-data. We describe the datasets below, and how to access them.

**1. long\_reg\_hh.dta:** This household-crop-year dataset is created by combining Ministry of Agriculture (MOA) National Fixed Point (NFP) data from 2003-2010 (please see below on how to apply to get access to the NFP data).

**2. nfp\_forregs\_villagecroplevel.dta:** Village-crop averages of data from MOA NFP (see below on how to apply to get access to the NFP data)

**3. temp.dta:** produced in “Figure A3.do”

**4. implementationdates.dta:** date of implementing Rural Land Contracting Law (reported in Appendix Table 1). Collected by the authors (available with replication files)

**5. price\_index.dta:** price index by crop, year and province (available with replication files)

**6. province\_CPI\_finalbaseyr.dta:** CPI by province, rural year (available with replication files)

**7. reallocation data.dta** (used to produce Appendix Figure 1) can be requested from Professor Nancy Qian ([nancy.qian@kellogg.northwestern.edu](mailto:nancy.qian@kellogg.northwestern.edu))

**8. agritax\_sm\_year.dta:** Agriculture tax by province by year. Collected by the authors (available with replication files)

**9. mediadistance.dta:** Number of new articles on land disputes by province between 1998 and 2003 on Wisenews, which is the largest database of newspapers in China (collected by the authors) and the straight line distance between provincial capital to Beijing. (available with replication files)

**10. province\_ruraldata\_1995\_2013.dta:** Province-level economic and social variables: These variables are from China Statistical Yearbooks. For the period of 1999 to 2016, these yearbooks are free online at the Bureau of Statistics of China’s official website (<http://www.stats.gov.cn/tjsj/ndsj/>). Earlier years’ data can be accessed by subscribing to GTA database (www.gtafe.com), a data vendor located in Shenzhen that provides financial and economic data in China. Part of this database is also available in English at WRDS (Wharton Research Data Services).

**11. 2012survey.dta:** This dataset contains soil quality measures, and was collected by the authors. It can be downloaded from this url: <http://reshare.ukdataservice.ac.uk/852045/>

**12. long\_price\_index\_allchina.dta:** National-crop price index (available with replication files)

**Procedures for Obtaining Restricted-Access Datasets**

1. NFP data: We are not able to share the Chinese Ministry of Agriculture (MOA) National Fixed Point microdata, due to the MOA’s policies. However, researchers interested in replicating or extending our results can directly apply to get access to this data, as follows: According to the MOA, any Chinese citizen who works in a research institution in China can apply for approval and pay a fee in order to access to the National Fixed Point data, subject to the following conditions: [1] data are to be used for academic use only; [2] researchers (or their RAs) need to use the data on site; [3] all results have to be reviewed by a MOA officer before being taken out and distributed to the public as a part of the research, to ensure that the results include only aggregate information without any microdata. Overseas researchers can collaborate with a Chinese research institution to gain access.
2. China Statistical Yearbooks could be purchased from Chinese book stores, and its e-version is accessible via www. Gtafe.com, a commercial data vendor in China, via subscription.
3. Wisenews can be accessed at <https://login.wisers.net/>, via subscription

**Citations**

The Research Center of Rural Economy (RCRE) of the Chinese Ministry of Agriculture, 2003-2010, “National Fixed Point (NFP) Survey”, <http://jiuban.moa.gov.cn/sydw/ncjjzx/gcdgzdt/gzdtg/201302/t20130225_3225848.htm>

Liu, Elaine and Wang, Shing-Yi and Wang, Yongxiang (2018). Rural firm and household land survey 2010. [Data Collection]. Colchester, Essex: UK Data Archive. [10.5255/UKDA-SN-852045](https://dx.doi.org/10.5255/UKDA-SN-852045)

China Statistical Yearbooks, 1995-2013, China Statistics Publishing House, Beijing, China (E-version can be accessed from [www.gtafe.com](http://www.gtafe.com))

Wisenews, 1998-2003, News articles on land disputes by province between 1998 and 2003. Subscribers can access it via <https://login.wisers.net/>

Agriculture Tax Reform, <https://news.163.com/09/0926/13/5K5353JM00013P98.html>

China Rural Statistics Yearbooks, 2002-2009, China Statistics Publishing House, Beijing, China

For the search of the timing of RLCL implementation date, we search in these four database:

* PkuLaw, <http://www.pkulaw.cn/>
* Xihu Law Library, [www.law-lib.com](http://www.law-lib.com)
* Beijing Zhongtian Nuoshida Technology Company Law Database, [www.law-star.com](http://www.law-star.com)
* Zhengbao Online Education Company's database, [www.chinalawedu.com](http://www.chinalawedu.com)