Definition of Variables

Notes: the list contains variables used to generate tables 1-3, A2, and A3 in "Insecure Land Tenure, Social Protection, and Resource Misallocation: Evidence from China's Agricultural Sector" written by Meilin Ma. The article is published at *Economic Development and Cultural Change*.

Surveys described in the article were approved by IRB at the University of California, Davis (IRB number 905443-1).

STATA name	**Variable definition**	**Notes**
hh_id	Household ID	
pers_id	Household member ID	
yr	Cropping year	
rel	Relationship with the household head	
male	1, if the individual is a male	
birthpl	1, if the individual was born in the village	
married	1, if the individual is married	
ccp	1, if the individual is a member of Chinese Communist Party	
edu	Education level of the individual	
interv	1, if the individual was interviewed	
ownf_d	# days an individual works on the contract land	
nf_d	# days an individual works in nonfarm sectors	
ftf_if	1, if the individual is a full-time farmer	
ptf_if	1, if the individual is a part-time farmer	
ftnf_if	1, if the individual is a full-time nonfarm worker	
county_id	County ID	
town_id	Township ID	
vil_id	Village ID	
hh_ftflb	# full-time farmers in the household	
hh_ptflb	# part-time farmers in the household	
hh_ftnflb	# full-time nonfarm workers in the household	
hh_size	# household members	
hh_lb	# household laborers	
hh_depd	# dependents	Non-labor, including senior, children and etc.
hh_youngm	# young male members	
hh_youngw	# young female members	
hh_hsch	# high school graduates	
hh_msch	# middle school graduates	

hh_hsld	Area of housing land	
hh_ownld	Area of contract land	
hh_ownplt	# contract plots	
hh_cropv	Value of crops	
hh_lsv	Value of livestock	
hh_hpv	Value of household production	
hp_d	# household production days	
hh_el	Cultivation size in the year	
hh_elcontrc	Arable contract size in the year	
hh_ownplotsz	Average plot size of contract land	
hh_abdif	1, if household abandoned some land	
hh_abd	Area of land abandoned	
hh_rin	1, if household rent in any land in the year	
hh_rout	1, if household rent out any land in the year	
hh_lc	1, if household has land certificate	
hh_lcyr	Year received land certificate	
hh_ldexpp	1, if household experienced land reallocation in recent 10 years	
hh_ldreall	1, if household experienced land expropriation in recent 10 years	
hh_subs	Value of subsidies received in a year	
genr	# generations	
hh_perncrop	1, if household grows perennial crops	
hh_lf	1, if household runs large farms	
hh_ex	Household exit mode	
hh_pns	Yearly pension/insurance received by the household	
hh_cityhsif	1, if household has bought a house in urban areas	
hh_carif	1, if household owns a car	
hh_acif	1, if household owns an air-conditioner	
hh_tvif	1, if household owns a color TV	
vil_tocnt	Village distance to county center	In kilometers
vil_tocd	Village distance to county Chengdu	In kilometers
vil_sub	# sub-villages per administrative village	
vil_area	Area of the village	In squared kilometers
vil_pop	Total population of the village	
vil_hkhh	# households holding village *hukou*	
vil_fld	Size of arable land in the village	
vil_fld_hill	Size of hilly arable land in the village	
vil_fld_padd	Size of paddy land in the village	
vil_mlprop	% males in the village	
vil_oldprop	% senior people in the village	
vil_hhoutprop	% households moved away from the village	
vil_skwg_peakm	Daily wage for skilled labor in the village	

vil_unskwg_peakm	Daily wage for non-skilled labor in the village	
vil_lfel_perc	% village farmland cultivated by large farms	
vil_tilprop	% village land tilled by machines	
vil_trpprop	% village land transplanted by machines	
vil_hvprop	% village land harvested by machines	
vil_firm	# village nonfarm firms	
vil_firmemply	# employees of village nonfarm firms	
f1[1]	ws>rs and rs>cs[2]	
f2	ws=rs and ws>cs	
f3	ws>cs>rs	
f4	ws=cs>rs, rs>0	
f5	cs>ws>rs	
f6	cs>rs>ws	
f7	cs=rs>ws, ws>0	
f8	rs>cs>ws	
f9	rs>cs=ws	
f10	rs>cs>ws	
f11	cs>rs=ws	
f12	ws=rs >cs, ws>0	
f13	ws=rs=cs	
f14	ws=rs<cs, ws=0	
f15	cs=rs>ws, ws=0	
f16	ws=cs>rs, rs=0	

[1] When defining the land use type indicators, I allowed for reporting errors in season-specific cultivation sizes. If difference between two sizes is smaller than 10% of the relatively small one or is smaller than 0.2 *mu*, the difference is ignored. For example, if the cultivation size of a household in winter is 6 mu, and that in summer is 6.4, I treated the two sizes as if they were equal.

[2] ws: winter cultivation size, rs: summer cultivation size, and cs: contract land size.