**Created Variables**

Total Production = Production of Rice (sold) + Production of Wheat (sold)

Proportion of production = production of rice/total production

Sum of all variables- nationally

Generated self-cultivation = A2 -A3((total land cultivated- total land rented out)

Generated wheat production = B13/B13A (total wheat production/total land cultivation)

Generated rice production = B11B/B11A (total rice production/total rice land cultivation)

Generate buckwheat production= B17\_1B/B17\_1A(total buckwheat production/total land buckwheat production)

**Recode**

Household does not exist from 999 to . to drop it

Planting by others as productivity as 1.