Statistics/Data analysis

```
use "${simulationData}\01_${countryName}_${simulationName}_${dem_inc_SY}.dta", clear

/*
* PLACEHOLDER!! TO BE UPDATED LATER

foreach var in $health $education {
    cap drop `var'
        gen `var' = 0
}


keep hhID memberID ${health} ${education}
mvencode   ${health} ${education}  , mv(0) override

isid hhID memberID
save "${data}\generatedData\Example_FiscalSim_inkind_transefrs_data.dta", replace
*/


use "${simulationData}\04_${countryName}_${simulationName}_${exp_SY}.dta", clear
decode exp_type, generate(exp_name)

keep if exp_type == 81 | exp_type == 82 // expenditures for education

keep hhID  exp_type exp_net_SY
reshape wide exp_net_SY, i(hhID) j(exp_type)
merge 1:m hhID using "${simulationData}\01_${countryName}_${simulationName}_${dem_in
> c_SY}.dta", nogen /*assert(match using)*/ keepusing(memberID ind_weight /*study me
> d_ins hospital_days*/)
mvencode   exp_net_SY*  , mv(0) override

/*
*education status
gen stud_prim = (study == 1)
gen stud_sec = (study == 2)
gen stud_post_sec = (study == 3) & exp_net_SY81 == 0 // we do not have question for
> paid eductions, so we have to rely on the expenditure info.
gen stud_tert = inrange(study,4,5) & exp_net_SY82 == 0 // we assume that if hh has e
> ducation exapnditure, than noone in the hh is on budget funding

foreach type in prim sec post_sec tert {

        su stud_`type' [aw = ind_weight]
        global stud_tot_`type' = r(sum)

        gen double educ_`type' = stud_`type' / ${stud_tot_`type'} * ${educ_exp_`type
> '} * ${scale_factor}
}
*/

/*
* HEALTH (combined approach)
gen med_out = med_ins == 1 // indicator of having insurance
gen med_in = hospital_days if (med_ins == 1 ) // number of days in hospital
```

```
foreach type in in out {

        su med_`type' [aw = ind_weight]
        global med_tot_`type' = r(sum)

        gen double health_`type' = med_`type' / ${med_tot_`type'} * ${health_exp_`ty
> pe'} * ${scale_factor}
}

keep hhID memberID ${health} ${education}
mvencode ${health} ${education}  , mv(0) override
*/

*isid hhID memberID
save "${simulationData}\11_${countryName}_${simulationName}_${inkind_trans_PY}.dta",
>  replace
```