Subject: IRS in last 12 months
Posted by Nelly_WHO on Wed, 29 Mar 2017 14:08:49 GMT
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Hello,
I am trying to reproduce the same figures as those published in the Statcompiler on the % of households with IRS in last 12 months. For some reasons, my figures do not align with yours. Would it be possible to share the stata/sas code that have been used to calculate those figures so I can compare?

With the following code, the % for Kenya, 2014 is 2.5%. In Stata compiler it is 0.8%. what am I doing wrong? Is anyone can help?

Thank you very much,
Nelly

```
// Determine whether the survey has the variables of interest: IRS
 cap confirm variable hv253
 if _rc == 0 {
  summ hv253
  if `r(N)' != 0 {

    rename hv253 irs_in_last_12mo
    replace irs_in_last_12mo = . if irs_in_last_12mo > 1

    gen sample_weight = hv005 / 1000000

    rename hv001 cluster_num


    keep iso3 startyear endyear module survey cluster_num hv023 sample_weight
irs_in_last_12mo

    // loop through to calculate survey-weighted means & SEs
    svyset [pweight=sample_weight], psu(cluster_num) strata(hv023)

    local m irs_in_last_12mo
    svy: mean `m'
    ereturn list
    matrix mean_IRS = e(b)
    matrix variance_IRS = e(V)
    matrix N_IRS = e(N_psu)
    local mean = mean_IRS[1,1]
    local se = sqrt(variance_IRS[1,1])
    local N = N_IRS[1,1]
    gen mean_`m' = `mean'
    gen semean_`m' = `se'
    gen uci_`m' = mean_`m' + 1.96*semean_`m'
```

```
gen lci_`m' = mean_`m' - 1.96*semean_`m'
gen N = `N'
drop semean*

keep iso3 startyear endyear module survey mean_* uci* lci* N
keep in 1

save " ${outdir}/${iso3}_${startyear}_${endyear}_${survey}_${module }_IRS.dta ", replace
```