

Following is a response from DHS staff member, Tom Pullum:

Age at marriage is calculated differently for surveys that are limited to ever-married women. Below I will paste the Stata code for age 18 (you can extend to other cutoff ages) for the Bangladesh 2017 survey. It should only need to be modified by entering the correct IR file name for the PDHS. There are other ways to do it but this way should work. Note that there are separate all-women factors for each covariate.

* Construction of table 4.4 (marriage before age 18) in the Bangladesh 2017 final report

* General strategy for EMW surveys: for each original case, add a second case
* with residual weight and never-married status

* Specify a workspace
cd e:\DHS\DHS_data\scratch

* Read the IR file
use "...BDIR7RFL.DTA", clear

* Must match the covariates in the table with the correct version of awfact

* Total: awfactt
* Residence: v025, awfactu
* Division: v024, awfactr
* Education: v149, awfacte
* Wealth quintile: v190, awfactw

local letters t u r e w

* restrict to age 20-24
keep if v013==2

keep v001 v002 v003 v005 v024 v025 v149 v190 v511 awfact*
gen EMW=1
gen afm=v511

* Construct weights wt* for the original EMW cases
foreach ll of local letters {
gen wt`ll'=v005
}
}

save EMW.dta, replace

replace EMW=0
replace afm=99

* Construct corresponding weights wt* for the artificial NMW cases
foreach ll of local letters {
replace wt`ll'=int(((awfact`ll'-100)/100)*v005)
}

* Combine the EMW and NMW cases
quietly append using EMW.dta

* Construct the outcome, married before age 18
gen by18=0
replace by18=100 if afm<18

*save ALL.dta, replace

* Table 4.4. Marriage before age 18

* Note; the %'s and n's are produced separately.

* Ignore (!!) the totals rows for the separate panels.

* Total

summarize by18 [iweight=wtt/1000000]

* Residence

tab v025 [fweight=wtu], summarize(by18) means

tab v025 [iweight=wtu/1000000]

* Division

tab v024 [fweight=wtr], summarize(by18) means

tab v024 [iweight=wtr/1000000]

* Education

tab v149 [fweight=wte], summarize(by18) means

tab v149 [iweight=wte/1000000]

* Wealth quintile

tab v190 [fweight=wtw], summarize(by18) means

tab v190 [iweight=wtw/1000000]