Hi there,

I wrote some stata code to automatically return medians in complex survey design datasets.
Compliments this post: https://userforum.dhsprogram.com/index.php?t=msg&th=1337
&goto=2470&S=08c954804736d97c007deae6e959abed#msg_24 70

Here it is:

```
tempfile outputlog
log using `outputlog', text replace

tab ageMarried if gender1 == 1 & age > 24 & age < 50 [iweight=wt],m

log close

file open myfile using `outputlog', read
file read myfile line

local cum_sum = 0
local prev_cum_pct = 0
local stopper = 0

while r(eof) == 0 {

 if `stopper' == 3 {

 }
 else {
   if regexm("`line'", "[0-9]+") {
     local cum_pct = real(word("`line'", -1))
     local age_pct = real(word("`line'", 1))


     if `cum_pct' < 50 | `prev_cum_pct' == 0 {
        local prev_cum_pct = `cum_pct'
  local prev_cum_pct1 = `cum_pct'
     }
     else if `cum_pct' >= 50 {
  local stopper = `stopper' + 1
  local medianCalc =  (`age_pct')+1*(50-`prev_cum_pct')/(`cum_pct'-`prev_cum_pct')
```

```
    display `medianCalc'

    }


    }


 }
 file read myfile line
}

file close myfile
```

You might have to vary the stopper limit depending on the variable - I couldn't find a nicer way of escaping the while...

Cheers

Subject: Re: Child marriage median Mozambique
Posted by Janet-DHS on Tue, 15 Oct 2024 17:58:53 GMT
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Following is a response from DHS staff member, Tom Pullum:

Thank you for posting this! I haven't tried it but it's good to have alternative procedures.