Subject: Child marriage median Mozambique Posted by Simon on Wed, 09 Oct 2024 20:10:45 GMT View Forum Message <> Reply to Message

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 View Forum Message <> Reply to Message

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.

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