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Subject: Re: Calculating Median Ages  
Posted by [Liz-DHS](#) on Tue, 24 Jun 2014 19:54:28 GMT  
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Dear Hannah,

Here is a response from one of our experts, Dr. Tom Pullum:

- \* Kenya 2008-09 survey report, page 83, table 6.3, median age at first
- \* marriage for women currently 25-29 is 20.2. Try to replicate.

use KEIR53FL.dta

set more off

keep if v013==3

keep v000-v012 v507-v512

describe

\* afm is completed years of age at first marriage

gen afm=int((v509-v011)/12)

tab afm,m

tab afm [iweight=v005/1000000],m

\* look at the cumulative %; it is 48.37 by exact age 20 and 56.12 by exact age 21.

scalar mafm=20+1\*(50-48.37)/(56.12-48.37)

scalar list mafm

\* The value is 20.2

- \* There are more automated ways to do this. If you try to do it with the cumul command,
- \* you must set the missing ages at marriage (i.e. not married) to some high numerical
- \* value such as 99

\* Note that the median as defined by stata would be 20, an integer.