Subject: Re: Recalculating and comparing Wealth Index for Côte d'Ivoire
Posted by Bridgette-DHS on Mon, 24 Aug 2020 21:07:07 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The Stata lines listed below will do this. You should just need to change the paths. I have included some comments. The trickiest part is that you must extract v001 and v002 (or hv001 and hv002), which are numeric, from whhid, which is a string. This involves the substring and destring commands. The program shows how to do this. Let us know if you still have problems. Good luck!

```
set more off
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\CIWI3AFL.DTA" , clear
rename wlthindf v191
rename wlthind5 v190

list whhid if _n<=20, table clean
describe whhid

* hhid is a 12-column string that includes v001 and v002
* need to break them out; to do that we need to find which column is which

local li=1
while `li'<=12 {
gen col_`li'=substr(whhid,`li',1)
local li=`li'+1
}

list whhid col_* if _n<=20, table clean

* apparently v001 is columns 8-10 and v002 is columns 11-12
drop col_*
gen v001=substr(whhid,1,10)
gen v002=substr(whhid,11,2)
destring v*, replace
sort v001 v002

* must save this file somewhere
save e:\DHS\DHS_data\scratch\CIWItemp.dta, replace

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\CIIR3AFL.DTA" , clear
* check the number of women in this file for later comparison
codebook v000
* there are 3040 women

sort v001 v002
```

* I prefer the "old" version of merge but this is a many:1 merge because there can be more
*   than one woman per household

merge v001 v002 using e:\DHS\DHS_data\scratch\CIWItemp.dta
tab _merge

* _merge=2 for 524 households that have no members in the IR file; drop them
* There are 3040 women with _merge=3, same as the number in the IR file

drop if _merge==2
drop _merge
save e:\DHS\DHS_data\scratch\CI3AFL_with_WI.dta, replace
tab v190

* I have checked and this file is ok, but I am surprised that the distribution of
*   women across wealth quintiles is so uneven.