
Subject: Re: Recalculating and comparing Wealth Index for Côte d'Ivoire
Posted by [Bridgette-DHS](#) on Mon, 24 Aug 2020 21:07:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

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 substr 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.
