
Subject: Problem with gender variable merging household recode with women's recode

Posted by tiampalermo@gmail.com on Fri, 19 Jun 2015 07:23:15 GMT

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I am using the Tanzania AIS 2011-2012 data and trying to merge the household recode (PR) with the women's recode (IR). I created a gender variable based on hv104 in the PR dataset, created cluster, household and indiv (hvidx) variables with consistent names to merge across datasets, and then merged 1:1 on cluster hh id with the women's recode (IR). However, when I tab the _merge variable based on gender, there are n=8352 matches (_merge==3) among those who are supposedly male according to the PR dataset. Why is the gender information in the PR dataset inconsistent with who is interviewed in the women's recode (IR)? I would appreciate any insight on where I'm going wrong.

Thank you. Code is below:

```
. use "$z\TZPR6AFL.DTA", clear
```

```
. *gender  
. tab hv104, missing
```

Sex of household member	Freq.	Percent	Cum.
Male	26,132	48.37	48.37
Female	27,888	51.63	100.00
-----+			
Total	54,020	100.00	

```
. tab hv104, nol
```

Sex of household member	Freq.	Percent	Cum.
1	26,132	48.37	48.37
2	27,888	51.63	100.00
-----+			
Total	54,020	100.00	

```
. gen female=hv104==2
```

```
. gen male=hv104==1
```

```
.  
. tab female
```

female	Freq.	Percent	Cum.
-----+-----			
0	26,132	48.37	48.37
1	27,888	51.63	100.00
-----+-----			
Total	54,020	100.00	

```
.
.
.
. ***generate variables for merging with same names across datasets
. gen cluster=hv001

. gen hh=hv002

. gen id=hvidx

.
. /*****MERGES*****/
.
. *women's questionnaire
. preserve

. use "$z\TZIR6AFL.DTA", clear

. count
19319

. gen cluster=v001

. gen hh=v002

. gen id=v003

. gen female2=1

. sort cluster hh id

. save "$z\women_temp.DTA", replace

. restore

.
. tab female
```

female	Freq.	Percent	Cum.
--------	-------	---------	------

-----+-----			
0	26,132	48.37	48.37
1	27,888	51.63	100.00
-----+-----			
Total	54,020	100.00	

. sort cluster hh id

. merge 1:1 cluster hh id using "\$z\women_temp.DTA"

Result	# of obs.

not matched	34,701
from master	34,701 (_merge==1)
from using	0 (_merge==2)
matched	19,319 (_merge==3)

. tab _m

_merge	Freq.	Percent	Cum.
-----+-----			
master only (1)	34,701	64.24	64.24
matched (3)	19,319	35.76	100.00
-----+-----			
Total	54,020	100.00	

. bys female: tab _m

 -> female = 0

_merge	Freq.	Percent	Cum.
-----+-----			
master only (1)	17,780	68.04	68.04
matched (3)	8,352	31.96	100.00
-----+-----			
Total	26,132	100.00	

 -> female = 1

_merge	Freq.	Percent	Cum.
-----+-----			
master only (1)	16,921	60.67	60.67

matched (3)	10,967	39.33	100.00
-----+-----			
Total	27,888	100.00	

. bys female2: tab _m

-> female2 = 1

_merge	Freq.	Percent	Cum.
-----+-----			
matched (3)	19,319	100.00	100.00
-----+-----			
Total	19,319	100.00	

-> female2 = .

_merge	Freq.	Percent	Cum.
-----+-----			
master only (1)	34,701	100.00	100.00
-----+-----			
Total	34,701	100.00	

.
. tab female female2, missing

	female2		
female	1	.	Total
-----+-----			
0	8,352	17,780	26,132
1	10,967	16,921	27,888
-----+-----			
Total	19,319	34,701	54,020

. drop _m

.
.
.* n=8352 matched among supposed males---investigate

Subject: Re: Problem with gender variable merging household recode with women's recode

Posted by tiampalermo@gmail.com on Fri, 19 Jun 2015 07:44:15 GMT

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I think I realized the issue: In AIS, the IR file can include both men and women (identified through the aidsex variable), which is not the case for DHS files, where IR indicates women's recode. That would be why there's no male recode (MR) in the AIS file. So the merge is working as it should.
