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Subject: Merging BR file with PR file for NFHS-4 round(India)

Posted by [preshit](#) on Fri, 21 Jun 2019 06:29:23 GMT

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Hello DHS team,

I am trying to merge BR and PR file for NFHS-4 data. The BR file contains B16 variable hence merging should not be a problem. The objective is to get BPL card status variable (SH58) information on each child in BR file. I have read all the forum posting for similar merging. I tried codes posted in the forum links-

<http://userforum.measuredhs.com/index.php?t=msg&th=7052&start=0&>

<http://userforum.measuredhs.com/index.php?t=msg&th=6738&start=0&>

and

<https://userforum.dhsprogram.com/index.php?t=msg&goto=16733&S=Google>

However, I am still getting error stating that "variables hhid hvidx do not uniquely identify observations in the master data". I have attempted 1:1 and m:1 merging as well as per the new merging code in STATA however could not pass this hurdle. Please let me know if there is any alternative for merging these files other than posted in above three links. Thank you so much for your time and help in advance. I really appreciate it.

Regards  
Preshit

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Subject: Re: Merging BR file with PR file for NFHS-4 round(India)

Posted by [preshit](#) on Sun, 23 Jun 2019 23:43:14 GMT

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On follow up to my query, I attempted the code provided by Bridgette-DHS in the link-[https://userforum.dhsprogram.com/index.php?t=msg&th=8202&got o=17795&#msg\\_17795](https://userforum.dhsprogram.com/index.php?t=msg&th=8202&got o=17795&#msg_17795).

I was able to merge PR and BR file; however, many cases were missing (please see the codes and out put below). Am I missing anything in my merging code? Also, I don't want to loose information on children who are not listed in household or missing in b16. Any help in merging NFHS-4 PR and BR file will be highly appreciated. Thank you.

```
*BR-file
use IABR74FL.DTA,clear
```

```
tab b16,m
tab b16,nolabel ///"0"- not listed in household, missing values= 93,251
```

keep if b16>0 & b16<39 //missing values and children coded "0"- i.e. not listed in household were deleted

keep v001 v002 v003 v005 v024 b\*

```
gen in_BR=1
rename v001 hv001
rename v002 hv002
rename b16 hvidx
rename v003 hv003
rename v024 hv024
sort hv001 hv002 hv003 hvidx hv024
describe, short //1,051,750 observations sort on hv001 hv002 hv003 hvidx hv024
save BR_reduced.dta, replace
```

clear all

```
*PR-file
use IAPR74FL.DTA,clear
```

keep hv001 hv002 hvidx hv0\* hv1\*

```
gen in_PR=1
sort hv001 hv002 hv003 hvidx hv024
describe,short //2,869,043 observations sort on hv001 hv002 hv003 hvidx hv024
save PR_reduced.dta, replace
clear all
```

```
*merge
use PR_reduced.dta, clear
```

merge 1:1 hv001 hv002 hv003 hvidx hv024 using BR\_reduced.dta

/\*

Result	# of obs.
not matched	3,008,433
from master	2,412,863 (_merge==1)
from using	595,570 (_merge==2)
matched	456,180 (_merge==3)

\*/

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Subject: Re: Merging BR file with PR file for NFHS-4 round(India)  
Posted by [Bridgette-DHS](#) on Thu, 27 Jun 2019 00:25:11 GMT  
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

You are getting a large number of unmatched cases because you do not have any restrictions on age. The cases with `_merge=1` are household members who do not appear in the birth histories--obviously the great majority of household members. The cases with `_merge=2` are "children" in the birth histories who can be up to 30-34 years old, and not in the same household as their mother. If the child is missing on b16, it is because he/she has died. If b16 is =, then the child is living but not in the household.

It would be reasonable to impose an age limit such as 4 or 14 or 17 and to omit children who have died.

I don't see anything wrong with your Stata code.

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Subject: Re: Merging BR file with PR file for NFHS-4 round(India)  
Posted by [preshit](#) on Sun, 07 Jul 2019 18:58:17 GMT  
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Thank you so much for your reply. I really appreciate it. I will restrict my population to certain age category then.

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