Subject: Merging KR with PR
Posted by kehinde.atoloye@gmail.com on Thu, 20 Oct 2022 18:56:25 GMT
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Country: Nigeria
Survey:2018
Dataset: Child Recode (KR) and Household Member Recode(PR)

I am working on anemia, diarrhea, and malaria in under-5 children in Nigeria. The data on anemia and diarrhea is contained in the KR file while the data on malaria is contained in the PR file(I do not need the fever data in the KR file). The issue is how to merge the "HOUSEHOLD - Malaria: by Household Member" subset of the PR file to the KR file. I have adapted several codes I sourced on this platform but to no avail. I keep getting no observation after merging. I believe I can match the children in the KR file with the "Malaria: by Household Member" section of PR. In the PR file, I tabulated the "child's age in months" against "final result of malaria from blood smear test" and below is a sample of the output as evidence that children's malaria test results are in the PR file. I will appreciate any assistance in this regard to be able to match the children in KR with children in PR. Thanks.

child's age in months	final result of malaria from blood smear test		Total
	negative	positive	
6	141	31	172
7	114	34	148
8	128	23	151
9	129	21	150
10	100	21	121
11	132	16	148
12	159	24	183
13	164	39	203
14	129	25	154
15	148	35	183
16	116	32	148
17	130	28	158
18	134	24	158
19	110	21	131
20	109	32	141

Below is the most recent code I adapted:

use "C:\Users\ezpawn\Downloads\NG_2018_DHS_10132022_1330_145124\NGPR7BFL.DTA", clear

```
keep if  hmhidx==1
gen cluster=hv001
gen hh=hv002
gen caretaker= hml30
sort cluster hh caretaker
save
"C:\Users\ezpawn\Downloads\NG_2018_DHS_10132022_1330_145124\NGPR7BFL_Temp.DTA"
, replace

use "C:\Users\ezpawn\Downloads\NG_2018_DHS_10132022_1330_145124\NGKR7BFL.dta",
clear
gen cluster=v001
gen hh=v002
gen caretaker=v003
sort cluster hh caretaker
merge cluster hh caretaker using
"C:\Users\ezpawn\Downloads\NG_2018_DHS_10132022_1330_145124\NGPR7BFL_Temp.DTA"

tab _merge

keep if _merge==3
save
"C:\Users\ezpawn\Downloads\NG_2018_DHS_10132022_1330_145124\NG_KR_PR_Merged.dta
", replace

gen children_per_caretaker=1
collapse(sum) children_per_caretaker, by(cluster hh caretaker)

tab children
```

Subject: Re: Merging KR with PR
Posted by Bridgette-DHS on Fri, 21 Oct 2022 12:56:15 GMT
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Following is a response from DHS staff member, Tom Pullum:

I believe the Stata lines pasted below will do what you want. You did not need to use the line for
the child's caretaker. Every member of a household, including every child, has their own unique
line number and line of data. In the PR file, hvidx is the line number, and in the KR file, b16 is the
line number (for children who are alive and living with the mother). I'm not sure which variables
you want, but these lines keep all the hml variables in the PR file and all the ml variables in the KR
file. You could include other variables. It appears that there was subsampling for the malaria

tests. You may want to modify the "keep" line at the end. Good luck!


```
* Specify workspace
cd e:\DHS\DHS_data\scratch

* Nigeria 2018
* Combine hml variables in the PR file with the ml variables in the KR file

use "...NGPR7BFL.DTA", clear
keep if hc1<.
rename hv001 cluster
rename hv002 hh
rename hvidx line
keep cluster hh line hml*
sort cluster hh line
save NGPRtemp.dta, replace

use "...NGKR7BFL.DTA", clear
keep if b16>0 & b16<.
rename v001 cluster
rename v002 hh
rename b16 line
keep cluster hh line v0* ml* hw*
sort cluster hh line
merge cluster hh line using NGPRtemp.dta

tab hml32 _merge,m

keep if _merge==5 & hml32<.
drop _merge
```

Subject: Re: Merging KR with PR
Posted by kehinde.atoloye@gmail.com on Fri, 21 Oct 2022 15:30:20 GMT
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Thank you. It worked but I had to change the last keep line from keep if _merge==5 & hml32<. to keep if hw1<.. I do not understand why the former drops all observations of hml32. Thanks.

Afterthought: I observed that it also keeps the hml32 observations if I use keep if hml32<. instead of keep if _merge==5 & hml32<.

It will be interesting to know what the condition _merge==5 does. Thanks a million.

```
* Specify workspace
cd e:\DHS\DHS_data\scratch

* Nigeria 2018
* Combine hml variables in the PR file with the ml variables in the KR file

use "NGPR7BFL.DTA", clear
keep if hc1<.
rename hv001 cluster
rename hv002 hh
rename hvidx line
keep cluster hh line hml32
sort cluster hh line
save NGPRtemp.dta, replace

use "NGKR7BFL.DTA", clear
keep if b16>0 & b16<.
rename v001 cluster
rename v002 hh
rename b16 line
keep cluster hh line v0* ml* hw*
sort cluster hh line
merge cluster hh line using NGPRtemp.dta

tab hml32 _merge,m

// keep if _merge==3 & hml32<.

keep if hw1<.
drop _merge

tab hml32

tab hw1 hml32
```