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Subject: Merging KR with PR

Posted by [kehinde.atoloye@gmail.com](mailto: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 negative	positive	Total
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\ezpawm\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\ezpaw\Downloads\NG_2018_DHS_10132022_1330_145124\NGPR7BFL_Temp.DTA"
, replace

use "C:\Users\ezpaw\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\ezpaw\Downloads\NG_2018_DHS_10132022_1330_145124\NGPR7BFL_Temp.DTA"

tab _merge

keep if _merge==3
save
"C:\Users\ezpaw\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
```

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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
```

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Subject: Re: Merging KR with PR

Posted by [kehinde.atoloye@gmail.com](mailto: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
```