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Subject: Constructing # of Sibling and HHmember rank Variables

Posted by [abukhatwa](#) on Thu, 28 Apr 2016 01:04:28 GMT

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I am trying to measure the impact of the Ivory Coast civil war on educational attainments using DID, for my control variables I am trying to construct a variable for the number of siblings in the household and a variable for the household member order (oldest, youngest...)

\*V218 in the birth recode indicates the total number of living children in the household, is there any way to generate number of siblings variable using v218?

\* How to generate a household member rank variable?

Thank you for your help!

Abir

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Subject: Re: Constructing # of Sibling and HHmember rank Variables

Posted by [Bridgette-DHS](#) on Fri, 29 Apr 2016 14:43:06 GMT

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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

The following Stata lines should do this, in the limited sense noted in comments at the end. You will have to change the paths.

```
use e:\DHS\DHS_data\BR_files\CIBR61FL.dta, clear
```

```
keep if b16>0 & b16<98
```

```
sort v001 v002 v003 b16
```

```
save e:\DHS\DHS_data\scratch\temp1.dta, replace
```

```
gen sibs_in_hh=1
```

```
collapse (sum) sibs_in_hh, by(v001 v002 v003)
```

```
replace sibs_in_hh=sibs_in_hh-1
```

```
tab sibs_in_hh,m
```

```
sort v001 v002 v003
```

```
merge v001 v002 v003 b16 using e:\DHS\DHS_data\scratch\temp1.dta
```

```
tab _merge
```

```
tab sibs_in_hh,m
```

```
drop _merge
```

- \* This file will include the number of siblings (children with the same mother) who are living in the same
- \* household, WITH THE MOTHER. Siblings who are not living with the mother will be much harder to identify.

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Subject: Re: Constructing # of Sibling and HHmember rank Variables  
Posted by [abukhatwa](#) on Thu, 05 May 2016 23:39:49 GMT  
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Thank you Bridgette! This is very helpful!

I am trying to generate number of siblings for household members using household member recode, I understood that the commands you sent me are to generate number of siblings for a child under 5, since b16 indicates the child's line number. Am I correct?

The way I thought of this is: follow the same steps with few adjustments, I generated a son/daughter variable=1 if hv101==3 (head's son/ daughter) and =0 otherwise.

```
generate sonORdaughter=0  
replace sonORdaughter=1 if hv101==3
```

then I followed the steps you sent me

```
use PooledDataHHMem99-12  
sort hv001 hv002 sonORdaughter  
save PooledDataHHMem99-12, replace  
gen sibs_in_hh=1  
collapse (sum) sibs_in_hh, by ( hv001 hv002 sonORdaughter)  
replace sibs_in_hh=sibs_in_hh-3  
*sibs_in_hh-3 (hv101 head=1 wife/husband=2)  
replace sibs_in_hh=0 if sibs_in_hh<0  
tab sibs_in_hh, m  
merge hv001 hv002 sonORdaughter using PooledDataHHMem99-12  
tab _merge  
tab sibs_in_hh, m  
drop _merge
```

Does this look right?

I also wanted to generate an oldest child and youngest child variable. To generate the oldest child I ran:

```
gen son_daug_order=0  
replace son_daug_order=hvidx-2 if sonORdaughter==1
```

gen oldest=1  
replace oldest=2 if son\_daug\_order==1

Is this right? If yes, how can I generate youngest child variable?

Your help is greatly appreciated!

Thank you,

Abir

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Subject: Re: Constructing # of Sibling and HHmember rank Variables  
Posted by [Bridgette-DHS](#) on Tue, 14 Jun 2016 15:18:35 GMT  
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

The procedure I described is not limited to children under 5. It uses the BR file, not the KR file. The KR file is limited to children under 5 but the BR file includes all children in the birth histories.

I don't understand why you shifted to the PR file and hv101. Was there some reason for doing that?

The PR file only gives age in completed years for children over age 5. In the BR file you have the month and year of birth for all children, and after more probing than in the PR file. Age is more detailed and more accurate in the BR file than in the PR file.

Note that the line numbers of the mother and father, respectively, if they are in the same household as the child, are given as hv112 and hv114, respectively. This is provided for most surveys since 2000 for children age 0-17.

Please say again what it is you are looking for. I believe that you want the number of older siblings and the number of younger siblings for children in the PR file. Should these be living siblings only? In the same household? For what age range?