Subject: Details about KR file
Posted by anikhpg42@gmail.com on Thu, 22 Mar 2018 15:54:26 GMT
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Hi,

I am using BDHS-14 KR dataset. I want to learn about the data pattern of KR file.
I have read about KR file in DHS website where it says in about 5 lines. Which didn't clear my concept.

I want to know that,

"If I work for maternal and child (under age 5) malnutrition, can I use this?
I mean, suppose, I got 20% underweight mother and 36% stunted children under age 5.
Now, can I say that, there were 20% mothers were underweight and 36% children under age 5 were stunted, in the same household. ?"

What I also want to know, that, is this dataset indicate a household from which a mother and child under age 5 were interviewed?

Here, the total observation number were 7886. Then is this indicate that, there were 7886 households where from each household
a mother and a child under age 5 were interviewed?

I wrote same thing at different patterns, so that, you may capture my question.
Sorry for elaborating. I will be greatful, if anyone clear me this.
Thank you in advance.

Subject: Re: Details about KR file
Posted by Bridgette-DHS on Thu, 22 Mar 2018 18:54:41 GMT
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

In the KR file, if 20% of mothers are underweight, this means that 20% of the children have mothers who are underweight, because children are the units of analysis. If a woman has three children under five, she will appear as a mother three times in the KR file. If another woman has one child under five, she will appear as a mother only once in the KR file.

If 20% of mothers are underweight and 36% of children are stunted, that alone does not tell you whether the underweight women and stunted children tend to be in the same household. That would be a reasonable research hypothesis.

The survey is conducted in households, but the different data files have different units of analysis or cases. The HR file is the only file in which the household is the unit. In the PR file, all the individual household members are cases. In the IR file, women age 15-49 are cases. In the KR

file, the children of those women, born in the past five years, are the cases. I think it would be better for you to use the anthropometry variables in the PR file, rather than the KR file.

Subject: Re: Details about KR file
Posted by anikhpg42@gmail.com on Thu, 22 Mar 2018 19:13:05 GMT
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Actually I am working with double burden of malnutrition, i.e., overweight mother coexist with stunted child in the same household.
And, as a M.Sc thesis student, my supervisor told me to use KR file. But, at the time of interpretation, we couldn't match the number
of observation between children under age 5 and mothers. Because, stunted children were found to be 6965 and mother's bmi category
reveals 7056 observations. Now, what can I do?
I mean, I want to see the bmi status of mother and her child's z-score of same household.

Subject: Re: Details about KR file
Posted by Bridgette-DHS on Mon, 26 Mar 2018 11:22:35 GMT
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Following is another response from Senior DHS Stata Specialist, Tom Pullum:

Below I have written some Stata code that construct the BMI categories for the mother and calculate the percentage of children age 0-4 who are stunted for mothers in each of these categories. The log file is attached. For example if the mother is in the lowest category of BMI, 44.5% of children are stunted. If the mother is in the highest category of BMI, only 21.8% of children are stunted. As the BMI of the mother increases, there is a monotonic decline in the percentage of children who are stunted.

```
set more off
use e:\DHS\DHS_data\KR_files\BDKR72FL.dta, clear
log using e:\DHS\scratch\logtemp.smcl, replace

* Child:
* hw70          int     %8.0g     HW70      height/age standard deviation (new who)
* hw71          int     %8.0g     HW71      weight/age standard deviation (new who)
* hw72          int     %8.0g     HW72      weight/height standard deviation (new who)

* Mother:
* v445          int     %8.0g     V445      body mass index

* Note that v445 is bmi x 10
```

```
gen stunted=.
replace stunted=0   if hw70>-600 & hw70<600
replace stunted=100 if hw70>-600 & hw70<-200

gen bmi_category=1
replace bmi_category=2 if v445>=1700
replace bmi_category=3 if v445>=1850
replace bmi_category=4 if v445>=2300
replace bmi_category=5 if v445>=2500
replace bmi_category=6 if v445>=3000

* recommend omitting implausibly high values but this is optional
replace bmi_category=. if v445>6000

label define bmi_category 1 "<17" 2 ">=17 and <18.5" 3 ">=18.5 & <23" 4 ">=23 & <25" 5 ">=25 &
<30" 6 ">=30"
label values bmi_category bmi_category

tab bmi_category stunted [iweight=v005/1000000],m

svyset [pweight=v005]
svy: mean stunted,over(bmi_category)
```

File Attachments

1) logtemp.smcl, downloaded 529 times

Subject: Re: Details about KR file
Posted by Mayank_Ag on Sat, 02 Jun 2018 10:10:35 GMT
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I am trying to generate same statistics for India using DHS 15-16.

I used the same code and also applied filters for pregnancy (V213 = 0) and birth within the last 2 months(V222 > 2) but my estimates are still not matching.
Can you please explain why is this happening ?

TIA.
