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Subject: Child nutrition and spousal violence

Posted by [darji.shah\\_ug24@ashoka.ed](mailto:darji.shah_ug24@ashoka.ed) on Thu, 30 Nov 2023 12:26:06 GMT

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Hi I'm working on a paper that wishes to assess the impact of spousal violence on children's nutrition. I have compiled the list of variables relevant to my study however am unsure of how to merge household and IR files. What unique identifiers do i need to incorporate to facilitate this?

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Subject: Re: Child nutrition and spousal violence

Posted by [Bridgette-DHS](#) on Thu, 30 Nov 2023 16:34:46 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

The child nutrition variables are in the KR file. That file includes most of the variables for the mother that are in the IR file, but it does not include the DV variables, so you need to merge the IR and KR files, using v001 v002 v003 in both files. For this merge, note that the mother appears only once in the IR file but can appear more than once in the KR file (if she had more than one child in the past 5 years). If you have more questions about the merge, please say what survey you are using. Please also look at the Guide to DHS Statistics (<https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.cfm>) for more information about the variables in the standard recode files.

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Subject: Re: Child nutrition and spousal violence

Posted by [darji.shah\\_ug24@ashoka.ed](mailto:darji.shah_ug24@ashoka.ed) on Sat, 02 Dec 2023 20:14:25 GMT

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I am using NHFS-5 data for India. I understand that i have to merge IR and KR. However, i still have a doubt. I was hoping to add controls of region (urban/rural), wealth, etc. these characteristics of households are unavailable in the KR and IR files, right? Moreover, if these variables are only there in the Household file will it be possible for me to merge all 3?

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Subject: Re: Child nutrition and spousal violence

Posted by [Bridgette-DHS](#) on Mon, 04 Dec 2023 17:05:25 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

It is possible to do a merge of the PR, IR, and KR files, but it may not be necessary. It depends on

what you mean by "etc.". The KR file includes region (v024), place of residence (v025), and wealth quintile (v190). What other variables do you need? You can check whether they are in the IR file, for example with Stata commands such as "lookfor residence" or "lookfor wealth".

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Subject: Re: Child nutrition and spousal violence

Posted by [darji.shah\\_ug24@ashoka.ed](mailto:darji.shah_ug24@ashoka.ed) on Mon, 04 Dec 2023 17:21:11 GMT

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Yes I have located those variables it makes sense now. Yet another follow up is that: I am attempting make the standard deviations of weight-for-height z-scores, weight-for-age z-scores and weight-for-age z scores my explanatory variable, however, I am unsure of whether the HW-5, HW-8 and HW-11 are the relevant variables here or HW70, HW71 and HW72? Can DHS guide me through that? How do I obtain the z-scores

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Subject: Re: Child nutrition and spousal violence

Posted by [Bridgette-DHS](#) on Tue, 05 Dec 2023 12:01:09 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

There have been other postings on this. The relevant variables are hw70-hw72 in the PR file (the same as hc70-hc72 in the KR file). These are based on the WHO Child Growth Standards. hw5, hw8, and hw11 use an earlier CDC standard and in my opinion should no longer be included in the standard recode file. They are only useful if you want to construct continuous longterm trajectories that go back before the WHO standards were developed, almost 20 years ago (<https://www.who.int/tools/child-growth-standards/who-multicentre-growth-reference-study>).

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Subject: Re: Child nutrition and spousal violence

Posted by [darji.shah\\_ug24@ashoka.ed](mailto:darji.shah_ug24@ashoka.ed) on Wed, 06 Dec 2023 09:49:26 GMT

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Is the hw70 standard deviations from z-score? if yes, when we are creating stunting as a variable of hw70<-2 (to capture stunting) it says that there no observations when we try and regress it the new variable with our independent variables. I'm not sure why that is happening, is there a misunderstanding in our interpretation of the variable hw70?

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Subject: Re: Child nutrition and spousal violence

Posted by [darji.shah\\_ug24@ashoka.ed](mailto:darji.shah_ug24@ashoka.ed) on Wed, 06 Dec 2023 10:40:53 GMT

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this is the code we have used, for context:

log using "c:\users\dell\documents\project\log\_file.log", replace

clear all

set maxvar 7000

use "c:\users\dell\documents\project\working\_dataset.dta"

keep v012 v013 d101\* d102 d103\* d104 d105\* d110\* d118a d121 hw1 hw2 hw3 hw51 hw70

hw71 hw72 hw73 m18 v025 m10 v130 v131 v190 v136 v137 v044 v106 v191 hw13

keep if v012 >= 18 & v012 <= 49 | hw1 < 60

keep if hw71 >= -600 & hw71 <= -201

tab hw71 reg hw71 d105\*

regress hw71 d105\*

log close

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Subject: Re: Child nutrition and spousal violence

Posted by [darji.shah\\_ug24@ashoka.ed](#) on Wed, 06 Dec 2023 11:14:37 GMT

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actually i have identified that the regression works on most independent variables except the ones that have V502 = 1 as their base, how do i change my code to accomodate for that?

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Subject: Re: Child nutrition and spousal violence

Posted by [Bridgette-DHS](#) on Wed, 06 Dec 2023 15:27:30 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

Yes, hw70 is the number of standard deviations from the WHO standard, but it is multiplied by 100. Below I will paste the Stata code for the basic anthropometric indicators.

```
gen HAZ=hw70/100 if hw70>-600 & hw70<600
```

```
gen WAZ=hw71/100 if hw71>-600 & hw71<500
```

```
gen WHZ=hw72/100 if hw72>-500 & hw72<500
```

```
gen stunted=0
```

```
gen underweight=0
```

```
gen overweight=0
```

```
gen wasted=0
```

```
replace stunted=1 if HAZ<-2
```

```
replace underweight=1 if WAZ<-2
```

```
replace overweight=1 if WHZ>2
```

```
replace wasted=1 if WHZ<-2
```

Subject: Re: Child nutrition and spousal violence  
Posted by [Bridgette-DHS](#) on Wed, 06 Dec 2023 15:35:58 GMT  
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Following is a response from Senior DHS staff member, Tom Pullum:

From your very brief statement, I cannot tell what the problem is. v502=1 identifies women who are currently in a union. Most (not all) of the DV questions relate to the current partner. If you want to include more women, just drop the condition. You will then add in women who were previously in a union (v502=2). Women who were never in a union (v502=0) are NA (or mostly NA) for the module.

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Subject: Re: Child nutrition and spousal violence  
Posted by [darji.shah\\_ug24@ashoka.ed](#) on Thu, 07 Dec 2023 07:02:19 GMT  
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Hi thank you for all your help. I had another query about how i can add state level fixed effects or district level fixed effects in STATA using nhfs. is there a variable for it

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Subject: Re: Child nutrition and spousal violence  
Posted by [Bridgette-DHS](#) on Thu, 07 Dec 2023 16:14:08 GMT  
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Following is a response from Senior DHS staff member, Tom Pullum:

In the list of covariates for the model, you would include categorical forms of v024 or sdist, that is, "i.v024" or "i.sdist" .

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Subject: Re: Child nutrition and spousal violence  
Posted by [Bridgette-DHS](#) on Thu, 07 Dec 2023 16:21:31 GMT  
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Following is a response from Senior DHS staff member, Tom Pullum:

In the list of covariates for the model, you would include categorical forms of v024 or sdist, that is, "i.v024" or "i.sdist" .

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