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Subject: Mothers Education on children's health  
Posted by [kisangoli57](#) on Sat, 12 Dec 2020 18:37:11 GMT  
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Hi  
I'm running a linear regression analysis to calculate the impact of mothers' education on children malnutrition in Zambia. I choose to use the KR recode file for the analysis because it has all the data I need about parents education and children health. I have a lot of independent variables and I choose Child Height for Age SD (New WHO, HW70) as the dependent variable. I recoded some of the variables so that 0 would have been the case with lack of something (no education, no toilet facility, bad type of cooking fuel...) and 1 to better situations. However the  $R^2$  and the adjusted one are very little significative. May be the way I recoded the variable? I also tried to recode in several other ways such us giving value between 1 and 5 to all the modalities of the variables, but still the results are not even sufficient to demonstrate something.  
I know this is a general statistical problem but I hope someone could help me.  
Thank you very much.

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Subject: Re: Mothers Education on children's health  
Posted by [Bridgette-DHS](#) on Mon, 14 Dec 2020 15:27:58 GMT  
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

When using hw70 (or the other anthropometric variables) you need to be sure to omit the flagged values such as 9996. Also you could just reduce to whether the child is stunted. This would seem to discard a lot of information but actually it's the left tail of hw70 that indicates malnutrition. Here are the Stata lines to do that:

```
gen HAZ=hw70/100 if hw70<-600 & hw70<600  
gen stunted=0 if HAZ<.  
replace stunted=1 if HAZ<=-2
```

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Subject: Re: Mothers Education on children's health  
Posted by [chande](#) on Sat, 20 Mar 2021 05:21:57 GMT  
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Can anyone clarify, which file to use for anthropometric measures? Some suggest to use HC70-HC72 and some other here suggest and use commands for HW70 to HW72?

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Subject: Re: Mothers Education on children's health

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Posted by [Bridgette-DHS](#) on Mon, 22 Mar 2021 20:26:43 GMT

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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

If you use the PR file (hc70-hc72) you will get all the children whose heights and weights were measured. If you use the KR file (hw70-hw72) you will get somewhat fewer children, those whose mothers were eligible respondents and were interviewed. I would recommend the PR file, BUT if you want to relate the Z scores and stunting, etc., to characteristics of the mother, and characteristics of the children that are reported by the mother, you have to use the KR file.

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Subject: Re: Mothers Education on children's health

Posted by [chande](#) on Sun, 25 Apr 2021 05:32:30 GMT

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Thank you.

I will be using anthropometric measures for stunting and i will use household characteristics and parent's education, age working status. Based on this should i continue with KR or PR file? i will use sanitation and water related variables(which file i need to use PR or HR).

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Subject: Re: Mothers Education on children's health

Posted by [Bridgette-DHS](#) on Tue, 27 Apr 2021 18:31:21 GMT

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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The main difference between the children in the PR file and the children in the KR file is that the PR file includes children whose mother is not in the household. So if you want to use data from the mother, such as mother's education, then you need to use the KR file. If you only need household data, such as sanitation, then the PR file will be sufficient.

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