Subject: Developing wealth-specific all women factors
Posted by sarahn on Tue, 03 May 2016 16:51:16 GMT

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Hi
I think I am going to need to develop AWFs for wealth quintiles. I would be very grateful for any assistance in how to go about this.
Many thanks

Subject: Re: Developing wealth-specific all women factors
Posted by Bridgette-DHS on Fri, 06 May 2016 15:20:59 GMT

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

DHS surveys that are restricted to ever-married women include awfactt, awfactu, awfactr, awfacte, and awfactw. (They may also include other versions of awfact among the country-specific variables.) The final letter tells you what covariate the factor is designed for: t for total, u for urban/rural, r for region, e for education, and w for wealth. What you need, awfactw, should already be in the data file.

Subject: Re: Developing wealth-specific all women factors
Posted by sarahn on Fri, 06 May 2016 15:23:46 GMT

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Thanks for this. However, I'm hoping to look at trend data, and some of the earlier surveys do not seem to have an AWF for wealth.

Subject: Re: Developing wealth-specific all women factors
Posted by Bridgette-DHS on Fri, 06 May 2016 15:54:58 GMT

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Another response from Tom Pullum:

Some of the earlier surveys do not include the wealth index, and such surveys would not include awfactw. But I guess it's possible that there are surveys with wealth but not awfactw. Could you identify at least one such survey?

Please search for awfactw with another name among the country-specific variables, using "lookfor factor"....

Subject: Re: Developing wealth-specific all women factors
Posted by charvey91 on Wed, 16 Nov 2016 02:24:42 GMT
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Hi Tom,

Thanks for your reply. I am also working with Sarah on using these awfact for earlier surveys to create trend analysis (she wishes to pass on her apologies for not replying sooner to your previous responses). We are still experiencing some problems for earlier surveys where there is no wealth index and therefore no awfactw. Do you know if there is any way to create the wealth quintiles and the corresponding awfactw? The specific survey we are looking at is Indonesia 1997. Many thanks! Chloe

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Subject: Re: Developing wealth-specific all women factors
Posted by charvey91 on Wed, 16 Nov 2016 03:53:29 GMT
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Sorry, I also have a further question. Do you know if it is possible to create confidence intervals for cross-tabulations that are using the awfact in stata? Thank you

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Subject: Re: Developing wealth-specific all women factors
Posted by Bridgette-DHS on Wed, 16 Nov 2016 14:50:53 GMT
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

Quote:There is no question that awfact (a generic term for awfactt, etc.) is a random variable, and when the weight is multiplied by awfact/100, the product has a substantial random component, especially for women under age 24. The all-woman factor is calculated for a single year of age, such as age 15, as the number of women (girls?) in the household population who are age 15 divided by the number at that age who are ever-married. Thus awfact is a random variable and it has an associated sampling error. However, I recommend that you simply proceed with using the net weight as if it had no random component.

But what do you mean by "confidence intervals for cross tabulations"? A cross-tab is a table of frequencies from the sample, for example the number of cases in the sample in each combination of current age group and current contraceptive method. You should use weights for those frequencies. Then you can calculate percentages, measures of association, etc., all of which could have a confidence interval. Please clarify what you mean by that term.

Subject: Re: Developing wealth-specific all women factors

Posted by charvey91 on Thu, 17 Nov 2016 03:08:51 GMT
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Thanks! Sorry, I didn't explain very well: we are calculating the proportion of women who have given birth by a certain age and would like to produce the confidence intervals too. When using the awfact, I have been applying it manually (not in stata), so have not been able to produce the confidence intervals. Do you have an example stata code for looking at a proportion, with the survey weight and awfact applied? Thank you

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Subject: Re: Developing wealth-specific all women factors
Posted by Bridgette-DHS on Thu, 17 Nov 2016 17:57:03 GMT
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Another response from Tom Pullum:

Quote:Here is an example using the latest Egypt survey, with was an EMW survey.

```
set more off
use e:\DHS\DHS_data\IR_files\EGIR61FL.dta, clear

* what is the proportion of women age 20+ who had a birth before age 20?
* age at first birth is v212
* must restrict to women age 20+; say we restrict to current age 20-24

keep if v013==2
tab v212

gen teen_birth=0
replace teen_birth=1 if v212<20

gen wtt=v005*awfactt/100
svyset v021 [pweight=wtt], strata(v022)
svy: prop teen_birth

* repeat for wealth categories; must use awfactw rather than awfactt
gen wtw=v005*awfactw/100
svyset v021 [pweight=wtw], strata(v022)
svy: prop teen_birth, over(v190)
```

Subject: Re: Developing wealth-specific all women factors
Posted by charvey91 on Tue, 29 Nov 2016 15:21:55 GMT
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Thank you for this. It's very helpful! Chloe