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Subject: Unable to recreate numbers from DHS Final Survey

Posted by [duke2015](#) on Sun, 14 Jun 2015 15:38:42 GMT

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Hi there,

I am interested in recreating the table on disposal of child stools from Uganda 2011 DHS final report. The variable is v465 from the children's recode and is asked about the youngest child in the household. First, I used this code for the survey adjustments:

```
egen strata=group(v024 v025)
gen sampwt=v005/1000000
svyset v021 [pweight=sampwt], strata(strata) singleunit(centered)
```

When I run svy: tab v465, my proportion estimates are a bit different from what is stated in the DHS final report. Do you have any explanation for this discrepancy?

Many thanks!

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Subject: Re: Unable to recreate numbers from DHS Final Survey

Posted by [Bridgette-DHS](#) on Wed, 17 Jun 2015 18:15:33 GMT

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

I think you are referring to table 10.11 on page 138 of the report on the Uganda 2011 survey. It's interesting that the label for v465 in the KR file is "disposal of youngest child's stools when not using toilet", but the question was not just asked about the youngest child! You have to specify that hidx is 1. If you enter "tab v465 if hidx==1 [iweight=v005/1000000]" you will get the distribution you are looking for. Note also that I am not using svy. For a table, the cluster and stratum adjustments have no effect, and iweight will work fine.

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Subject: Re: Unable to recreate numbers from DHS Final Survey

Posted by [duke2015](#) on Mon, 29 Jun 2015 14:32:30 GMT

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Thank you!

If I am looking to run a regression predicting child HAZ from this variable, will this coding in Stata 13 work for the svy adjustment?:

```
egen strata=group(v024 v025)
gen sampwt=v005/1000000
```

```
svyset v021 [pweight=sampwt], strata(strata) singleunit(centered)
```

Thanks in advance!

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Subject: Re: Unable to recreate numbers from DHS Final Survey

Posted by [Bridgette-DHS](#) on Mon, 06 Jul 2015 12:55:09 GMT

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

You did not say what survey you are using. There are a few surveys for which v024 x v025 will not correctly give the strata. In general, however, this will be correct.

It is not necessary to divide v005 by 1000000. Stata always normalizes pweights to have a mean of 1. The following would be equivalent:

```
egen strata=group(v024 v025)
```

```
svyset v021 [pweight=v005], strata(strata) singleunit(centered)
```

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Subject: Re: Unable to recreate numbers from DHS Final Survey

Posted by [duke2015](#) on Mon, 02 Nov 2015 20:12:30 GMT

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I am using the Uganda 2011 DHS survey. Please confirm if the egen strata=group (v024 v025) coding in Stata 13 will give the correct strata.

Thank you!!

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Subject: Re: Unable to recreate numbers from DHS Final Survey

Posted by [luke](#) on Tue, 03 Nov 2015 17:36:03 GMT

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Duke2015 - I posted about this same issue yesterday and the information may help you. I don't think that using residence (urban/rural - v025) is appropriate for stratification for the 2011 Uganda DHS, as you suggest. This survey drew a random sample of clusters from the 2010 Uganda National Health Survey, which was stratified according to region only.

For the time being, I am using region (v024) as the strata for Uganda 2011. I'm still not sure this is the correct approach. Is a random sample of clusters of a stratified sample also stratified in the same way as the original sample?

Here is my post from yesterday:

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Subject: Re: Unable to recreate numbers from DHS Final Survey  
Posted by [duke2015](#) on Tue, 03 Nov 2015 18:03:06 GMT  
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Thanks, Luke.

I really don't know the right approach. So you are using region as the strata and not using rural/urban at all? Can you show me your coding for the svyset command?

Thanks!

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Subject: Re: Unable to recreate numbers from DHS Final Survey  
Posted by [luke](#) on Tue, 03 Nov 2015 18:19:12 GMT  
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Sure. This works for most countries I am using then you will see a way to handle the exception for Uganda:

```
gen psu = hv021
gen strata = hv022
replace strata = hv024 if (hv000=="UG6" ) // Uganda 6 has no strata. Sampled clusters from
UNHS 2010 clusters, which were stratified according to region.
gen sampwt = hv005/1000000
svyset psu [pw = sampwt], strata(strata)
```

BTW I incorrectly wrote UNHS as Uganda National Health Survey in my last message. The H is for Household.

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