
Subject: Tanzania 2010

Posted by [azucena2014](#) on Wed, 15 Oct 2014 17:56:10 GMT

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I am using the Tanzania 2010 DHS and am trying to use the survey commands in Stata. So, I use the commands I usually use when I want to apply the survey settings in Stata with DHS data:

```
gen weight=hv005/1000000
svyset hv021 [pweight=weight], strata(hv022)
```

However, when I try to anything that require a test statistic, I get the following message:

"Note: Missing test statistics because of stratum with single sampling unit."

Any help is greatly appreciated

Subject: Re: Tanzania 2010

Posted by [Bridgette-DHS](#) on Thu, 16 Oct 2014 13:06:11 GMT

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You do not have to create a new weight variable - the following command should be sufficient:

```
svyset hv021 [pw=hv005], strata(hv022)
```

For a similar post, please reference message # 2784

Subject: Re: Tanzania 2010

Posted by [azucena2014](#) on Thu, 16 Oct 2014 14:56:25 GMT

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Thanks, but I just tried this and got the same message (Note: Missing test statistics because of stratum with single sampling unit) when I tried the following:

```
svy, subpop(age059): tab stunting depndgtr1, col obs
```

I am running a similar analysis on various countries and this is the first time I have encountered this problem

Subject: Re: Tanzania 2010

Posted by [Reduced-For\(u\)m](#) on Fri, 17 Oct 2014 02:24:22 GMT

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What happens if you tabulate (list) the strata? Is there one strata value that is a typo or "missing"

or something? It sounds like you might have a rogue strata in there, and if you find it you could just drop that observation. Let me know if that works.

Subject: Re: Tanzania 2010
Posted by [azucena2014](#) on Fri, 17 Oct 2014 02:47:27 GMT
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Yes, I had already tried that and everything looks normal. I also did a cross-tab of hv021 and hv022 to see if there was something there that was odd but that also all looked normal, too. I downloaded this data 3 days ago. Any other ideas? I need to be able to report the test statistics

Subject: Re: Tanzania 2010
Posted by [Trevor-DHS](#) on Sat, 18 Oct 2014 18:39:39 GMT
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The problem is that in certain strata there is only one cluster, and for the calculation of sampling errors and confidence intervals at least two clusters are required in each cluster. In this case the best thing is to regroup the strata to permit the calculation of the sampling errors. In the case of this Tanzania dataset, the following have only one cluster:

18: Kagera, urban

22: Kusini Pemba, urban

23: Kaskazini Pemba, urban

I suggest grouping these with the rural strata for the same regions, e.g. with

44: Kagera, rural

48: Kusini Pemba, rural

49: Kaskazini Pemba, rural

Thus I suggest using the following:

```
recode hv022 (18=44) (22=48) (23=49), gen(strata_new)  
svyset hv021 [pw=hv005], strata(strata_new)
```

As you are using a subpop with your tabulation, you may hit this issue with other strata, in which case you will need to make a decision to regroup further strata together.

Subject: Re: Tanzania 2010
Posted by [azucena2014](#) on Sun, 19 Oct 2014 13:26:54 GMT
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ok, thanks! I will try this
