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Subject: is re-weighting possible if strata have changed?

Posted by [AnnM](#) on Mon, 08 May 2017 14:48:23 GMT

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I'm working with a survey in which one EU was placed in the wrong stratum (new District boundaries were drawn after sample was selected). The sampling weights were stratum specific. Is there a way to re-allocate the EU from stratum 1 to stratum 2 and recalculate the sampling weights so that the new District boundaries are used? I've searched the threads on this and it may be that the answer to this question is out there, but I'm searching for the wrong terms. Many thanks for any advice!

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Subject: Re: is re-weighting possible if strata have changed?

Posted by [Bridgette-DHS](#) on Sun, 29 Oct 2017 11:43:03 GMT

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Subject: Re: is re-weighting possible if strata have changed?

Posted by [Bridgette-DHS](#) on Fri, 17 Nov 2017 18:56:08 GMT

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

Hi Ann--Sorry for the delayed response to this forum question!

If you are sure about this change in classification, then you could do a recode of the stratum variable. You should never change the original data file, so you should save the changed file with a different name. Say that the cluster or enumeration area (did you mean EA rather than EU?) is given by v001=v021 and the stratum is given by v023 (which is not always the case). Say that EA #12 was put into stratum 20 but should be in stratum 22.

I would construct a revised stratum variable called v23rev like this, in Stata:

```
gen v023rev=v023
replace v023rev=22 if v023==20 & v001==12
```

It would be a little simpler to just say

```
gen v023rev=v023
replace v023rev=22 if v001==12
```

but I consider it to be a little safer to use the first version.

Please let me know if this does not answer the question. With regards, Tom

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