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Subject: how the sample increase when we use weights

Posted by [arjunmg](#) on Tue, 03 Nov 2015 13:37:44 GMT

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We are confuse that when we used weights and survey package in R, the sample size has been increased. How shall we find the cause behind it? Would you mind to share the formula or tips in detail?

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Subject: Re: how the sample increase when we use weights

Posted by [Trevor-DHS](#) on Fri, 06 Nov 2015 17:42:18 GMT

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I recommend that you view the videos on The DHS Program YouTube channel that cover sampling and weighting.

There is a series of four videos:

Part I: Introduction to DHS Sampling Procedures

Part II: Introduction of Principles of DHS Sampling Weights

Part III: Demonstration of How to Weight DHS Data in Stata

Part IV: Demonstration of How to Weight DHS Data in SPSS and SAS

You can also find them discussed on The DHS Program Blog on Sampling and Weighting

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Subject: Re: how the sample increase when we use weights

Posted by [arjunmg](#) on Sat, 07 Nov 2015 11:38:25 GMT

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Thank you Trevor for your response. As I am using R command, I used weights, produce and compared results. However, I could not give the answer to our reader how the sample increase/reduce after use weights. It would be better if you kindly share a video how to address this issue. Thank you in advance for your cooperation.

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Subject: Re: how the sample increase when we use weights

Posted by [Trevor-DHS](#) on Sat, 07 Nov 2015 18:44:36 GMT

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The second video describes exactly this. It doesn't matter whether you are using R or Stata or any other software - the principles are the same. The sample size increases or reduces as the weights adjust the sample from the distribution of the sample as collected to the distribution of the actual population, and this means that the weighted numbers of cases in an area may be greater or smaller than the unweighted number of cases for that area.

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