
Subject: Sample size and systematic sampling
Posted by [Valko](#) on Sun, 07 Dec 2014 12:06:47 GMT
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Greetings!

I plan to work with Kyrgyzstan DHS-2012, males datasets, in SPSS software. I would like to decrease the sample size up to 380 males.

In this regards, I have two questions:

1) Calculation of a sample size for population proportions is done in the EpilInfo, and results at $n=345$, with additional 10% for missing values, $n=380$.
Pls advise, whether in the sample size calculation I should also consider for design effect of 1.5? Design effect refers to the cumulative effect of the differences in precision estimates in a study that could be attributed to the variations in design. In this case, my sample size after multiplying to 1.5 will be 570.

2) Is systematic sampling is appropriate to get a sample size of 380? How to conduct a systematic sampling in SPSS?

Looking forward for your advice.

thank you,

Valeriya Kogay
