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Subject: weighting urban rural divide , multiple countries years

Posted by [pedrorosado](#) on Mon, 09 Oct 2023 13:15:54 GMT

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Hello all,

I'm currently working with DHS dataset, creating a pooled dataset of all the surveys conducted in Africa. The objective is to create a comparable wealth index, similar to the International Wealth Index. Over the course of this work several questions arouse.

Firstly:

- Imagining the case of a single country survey analysis, if I want to create statistics comparing the Urban to rural population, how could that be achieved, in terms of weighting? From what I understand the sampling method takes into account this divide, and samples accordingly, so, by which weight should populations be weighted?

Secondly:

- In the Index construction, some questions for which I'm interested in are either not present for specific surveys/years, or some households do not have a recorded answer (9 or 99 or 999). From what I read the observations are not self-weighted, so my questions is: Is there a common/accepted way of weighting for this type of surveys? And if so, which? Additionally, does this affect the cluster/stratum weights (as in, if a household did not answer a question, in a certain cluster, and it gets a smaller weight for that cluster, does that also reduce the cluster weight in the sample?).

Thank you for your time,  
Pedro

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