Subject: Estimation of level-weights using the Couple-Recode (CR) data from the DHS dataset
Posted by DHS user on Fri, 16 Jun 2023 22:53:44 GMT
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I am presently writing a research paper titled' Household economic consequences of Nigerian married or in-union women of reproductive ages meeting their need for family planning with modern contraceptives (MC)' I plan on using the couples recode (CR data) since I need information on couples so that variables such as the educational level of household head, or the employment status or assets ownership status of the household head, and age of marriage of the household head, and so on, can be obtained.

In relation to this, I cannot use the household recode data because information on women with a need for family planning, and their subsequent status of either meeting this need or not with MC, is not available therein. On the other hand, although the individual women's recode data contain information on the need for family planning, I cannot obtain detailed information about the household head's characteristics in situations where the household head is male, as is mostly the case in developing countries such as Nigeria.

I plan on carrying out a multilevel analysis, with the couples nested within clusters. The latter level will have variables such as place of residence(whether rural or urban), cluster polygyny status, and so on. In relation to this, therefore, I have to calculate level weights. In the paper titled 'Multilevel Modeling Using DHS Surveys: A Framework to Approximate Level-Weights', in which you were a co-author, the first step in approximating level-weights for use in the multilevel analysis was said to be the de-normalization of final survey weights using an approximation method. In relation to this my question is what should I use as the final weight given that the CR data has two final weights; that for the individual women and then that for the individual men?

Emomine