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Subject: Weighting Data for Pooled BDHS Household Members Dataset

Posted by [suzzon](#) on Mon, 03 Apr 2017 17:35:24 GMT

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Dear DHS experts,

I am using the Bangladesh DHS 1993/94, 1996/97, 1999/2000, 2004, 2007, 2011 and 2014 Household members files. Using DHS forum guidance, I have de-normalized the weights (hv005). Then I have appended all the BDHS Household members files. I am using comparative wealth index (CWI) proposed by Dr. Shea Rutstein and Sarah Staveteig as socioeconomic status variable. I have the following specific questions:

1. Should I use the de-normalized hv005 (denormw) as sample weight in further statistical analysis?
2. Or Should I compute a new household members weight variable (hhmemwt) from the de-normalized hv005 and use it as sample weight in further statistical analysis? The procedure of this Household members weighting (hhmemwt) for CWI has been mentioned in CWI computation procedures (SPSS syntax).

I am providing the Stata code for calculation of these two weight variables (i.e. denormw and hhmemwt) here:

\*\*\*\* Denormalization of household members weight provied in household member files

```
gen denormw=(hv005/1000000)*(total number of residential households in the country/ total number of households interviewed in the survey)
```

\*\*\* HH members weighting for Index

```
gen hhmemwt=denormw*hv012
```

Thank you for your time.

Moin