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Subject: Re: Weights not normalized?

Posted by [Bridgette-DHS](#) on Thu, 06 May 2021 18:27:43 GMT

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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

In the HR, the mean value of hv005 is 1 (or 1000000 if you keep the factor of one million). In that file, the units are households and hv005 is a household weight. The PR file lists all the individuals in all the households but keeps the same value of hv005 as the HR file. That is, the PR file is an individual-level file but the weight variable is the household weight. If you calculate the average value of hv005 in the PR file, restricted to hvidx=1 or hv101=1 (one person per household) you will get a mean of 1.

The mean of v005 is 1 in the IR file, but the children in the BR file are given the mother's weight (v005), so the mean of v005 in the BR file is not 1.

We always use hv005 when analyzing the PR file and v005 when analyzing the BR file (or KR file) and do not re-normalize to a mean of 1. If you want to go through that step, you certainly can, but it won't make much difference. You are not using Stata, but in Stata, with the pweight option, the weights are automatically normalized to have a mean of 1.

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