
Subject: Guidance regarding Gender Pooling in Liberia 2013 DHS data

Posted by [Miatta](#) on Fri, 11 Sep 2020 17:54:54 GMT

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I am examining HIV testing behavior among men and women in Liberia, West Africa. 2013 Liberia Demographic and Health Survey men and women dataset: I would like to inquire about appending the men and women (unmarried persons) datasets together.

My question is how do I create accurate pooled weights (2013 Liberia DHS men and women data)? Do I need to also create a pooled strata and primary sampling unit (psu)? If so, any guidance will be appreciated. Many of posts in the forum discuss pooling multiple countries or years together but I am seeking guidance regarding gender pooling. What modifications will I need to make to the weights to get accurate results once the data has been appended? Thank you

Best, Miatta Dennis

Georgia Southern Univ DrPH Candidate

Subject: Re: Guidance regarding Gender Pooling in Liberia 2013 DHS data

Posted by [Bridgette-DHS](#) on Fri, 11 Sep 2020 22:28:00 GMT

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

You don't need to alter the weights at all. I would open the men's file, then enter "rename mv* v*" and "gen sex=1", then append the women's file, and enter "replace sex=2 if sex==.", "label define sex 1 "Man" 2 "Woman" " and "label values sex sex". I would define sex to be consistent with hv104 in the PR file. The IR labels will over-write the MR labels in the append because the last file in any set of appends will determine the variable and value labels. You should check your key variables; some may be different in the IR and MR files, which case you want to keep them as separate v and mv variables.

The weights in the two files have already been normalized to have a mean of 1 (1,000,000 with the usual factor). If you combine the files as described, the number of cases in the two files will differ, and that will accurately convey the different numbers of men and women in the household population, as identified in the PR files. The weights in the IR and MR files have also already been adjusted for any nonresponse (loss of cases when going from the PR file to the IR and MR files). For svy purposes you don't need to change the cluster or strata ID codes. So it's much simpler than pooling surveys from different countries or time periods.

Subject: Re: Guidance regarding Gender Pooling in Liberia 2013 DHS data

Posted by [Miatta](#) on Sat, 12 Sep 2020 00:46:38 GMT

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Thank you so much. This is quite helpful. What is the best way to link the men and women dataset in Liberia With the HIV results info? I saw that the PR file has the HIV info but it seem as though the researcher has to use the household data to link the HIV info. Can you potentially suggest the best way to link the HIV results with the women and men? I saw that the barcode is the connecting the variable but only to the household dataset.
Thank you again for your guidance.

Subject: Re: Guidance regarding Gender Pooling in Liberia 2013 DHS data
Posted by [Bridgette-DHS](#) on Tue, 15 Sep 2020 11:23:47 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The following lines will do what you want. It is not necessary to merge first with the PR file. You can merge directly with the IR+MR appended file.

* Stata code to merge AR with IR+MR, Liberia LB6A

* Prepare AR for merge

```
use e:\DHS\DHS_data\AR_files\LBAR6AFL.dta, clear
rename hivclust v001
rename hivnumb v002
rename hivline v003
```

```
sort v001 v002 v003
```

```
save e:\DHS\DHS_data\scratch\LBARtemp.dta, replace
```

* Prepare MR for append

```
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\LBMR6AFL.DTA", clear
```

* reduce the MR file to needed variables

```
keep mv0*
gen sex=1
```

* rename the mv variables

```
rename mv* v*
```

```
save e:\DHS\DHS_data\scratch\LBMRtemp.dta, replace
```

* Prepare IR

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\LBIR6AFL.DTA", clear

* reduce the IR file to needed variables

keep v0*

gen sex=2

append using e:\DHS\DHS_data\scratch\LBMRTemp.dta

label define sex 1 "man" 2 "woman"

label values sex sex

* Merge appended file with AR

sort v001 v002 v003

merge v001 v002 v003 using e:\DHS\DHS_data\scratch\LBARTemp.dta

tab _merge

After you have mv variables in the MR file to v variables, appended the IR and MR files

Subject: Re: Guidance regarding Gender Pooling in Liberia 2013 DHS data

Posted by [Miatta](#) on Tue, 15 Sep 2020 15:49:56 GMT

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Thank you so very much.
