
Subject: Nutritional Status of Women on SPSS and Stata

Posted by [Mlue](#) on Tue, 05 Jun 2018 13:04:06 GMT

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Hi,

Using DHS data, you can replicate parts of the table on nutritional status of women.

I used the Individual Recode file...

Example for India DHS 2015-16 (National Family Health Survey = NFHS-4)

For Stata

```
****/
```

```
clear all
```

```
set more off
```

```
set mem 1g
```

```
set matsize 800
```

```
cd "..."
```

```
use "SLIR61FL", clear
```

```
*****
```

```
** WEIGHT VARIABLE
```

```
gen weight = v005/1000000
```

```
*****
```

```
** SURVEY SET
```

```
gen psu = v021
```

```
gen strata = v023
```

```
svyset psu [pw = weight], strata(strata) vce(linearized)
```

```
*svydes
```

```
*****
```

```
/*
```

```
Underweight = Less than 18.5
```

```
Normal = Between 18.5 and 24.9
```

```
Overweight = Between 25.0 and 29.9
```

```
Obese = Greater than or equal to 30.0
```

```
*/
```

```
gen bmi=v445/100
```

```
gen bmic=1 if bmi<18.5
```

```
replace bmic=2 if bmi>=18.5 & bmi<25
```

```

replace bmic=3 if bmi>=25 & bmi<30
replace bmic=4 if bmi>=30 & bmi<60
label define bmic 1"Underweight" 2"Normal" 3"Overweight" 4"Obese"
label values bmic bmic
svy: tab bmic, count percent format(%4.1f) col
*tab bmic [iw=weight]

```

```

gen ht_flag=0
replace ht_flag=1 if v438>9000
gen preg_flag=0
replace preg_flag=1 if v213==1
gen months_since_last_birth=v008-b3_01
gen recent_birth_flag=0
replace recent_birth_flag=1 if months_since_last_birth <=1

```

```
*tab bmic if ht_flag==0 & preg_flag==0 & recent_birth_flag==0 [iw=weight]
```

```
*****
```

```
** DROP IF NOT WITHIN SAMPLE
```

```

qui regr bmic if bmic !=. & ht_flag==0 & preg_flag==0 & recent_birth_flag==0 [pw=weight]
drop if e(sample)!=1

```

```
*****
```

```
** CHECK
```

```

svy: tab v190 bmic, count format(%4.0f) miss
svy: tab v190 bmic, percent format(%4.1f) row miss

```

```
*****
```

```
For SPSS
```

```
*****
```

```
*****
```

```
*/ OPEN DATASET /*.
```

```
GET
```

```
STATA FILE='...\IAIR72FL.DTA'.
```

```
DATASET NAME DataSet1 WINDOW=FRONT.
```

```
*****
```

```
****
```

```
** WEIGHT VARIABLE.
```

```
COMPUTE weight = v005/1000000.
```

WEIGHT BY weight.

```
*****
****
.

** COMPLEX SURVEY VARIABLES.
COMPUTE psu = v021.
COMPUTE strata = v023.

*****
****
.

/**.
** Underweight = Less than 18.5
** Normal = Between 18.5 and 24.9
** Overweight = Between 25.0 and 29.9
** Obese = Greater than or equal to 30.0
**/.

COMPUTE bmi=v445/100.

COMPUTE bmic=$SYSMIS.
  IF bmi LT 18.5 bmic = 1.
  IF bmi GE 18.5 & bmi LT 25 bmic = 2.
  IF bmi GE 25 & bmi LT 30 bmic = 3.
  IF bmi GE 30 & bmi LT 60 bmic = 4.
EXECUTE.
VARIABLE LABELS bmic 'Nutritional status of women'.
VALUE LABELS bmic 1"Underweight" 2"Normal" 3"Overweight" 4"Obese".

*COMPUTE bmic1=$SYSMIS.
*  IF bmi LT 18.5 bmic1 = 1.
*  IF bmi GE 18.5 & bmi LT 25 bmic1 = 2.
*  IF bmi GE 25 & bmi LT 30 bmic1 = 3.
*  IF bmi GE 30 & bmi LT 60 bmic1= 4.
*EXECUTE.

*****
****
.

COMPUTE ht_flag=1.
  IF v438 LT 9000 ht_flag=0.
  IF v438 GT 9000 ht_flag=1.
EXECUTE.

*****
****
.
```

```
COMPUTE preg_flag=1.  
  IF v213 NE 1 preg_flag=0.  
  IF v213=1 preg_flag=1.  
EXECUTE.
```

```
COMPUTE months_since_last_birth=(v008-b3_01).  
EXECUTE.
```

```
COMPUTE recent_birth_flag=0.  
  IF months_since_last_birth GT 1 recent_birth_flag=0.  
  IF months_since_last_birth LE 1 recent_birth_flag=1.  
EXECUTE.
```

```
*****  
.
```

```
SELECT IF ht_flag=0 & preg_flag=0 & recent_birth_flag=0 & bmic LE 4.
```

```
*****
```

```
***  
.
```

```
** CHECK.  
FREQUENCIES VARIABLES=bmic  
  /ORDER=ANALYSIS.
```

```
*****  
.
```

```
CROSSTABS  
  /TABLES=V190 BY bmic  
  /FORMAT=AVALUE TABLES  
  /CELLS=COUNT  
  /COUNT ROUND CELL.
```

```
*****  
.
```

```
CROSSTABS  
  /TABLES=V190 BY bmic  
  /FORMAT=AVALUE TABLES  
  /CELLS=ROW  
  /COUNT ROUND CELL.
```

```
*****
```

```
***  
.
```

Subject: Re: Nutritional Status of Women on SPSS and Stata

Posted by [Mayank_Ag](#) on Wed, 13 Jun 2018 07:30:26 GMT

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I did a merge of KR (v001 v002 b16) and PR (hv001, hv002, hvidx) with PR as my base. I am working with DHS 15-16 for India.

I found that obs in HA40 and V445 are not matching which is not right according to other posts in the forums. I did a little digging so as to why they are not matching. All the variables containing the child and household characteristics (HW70 with HC70; HW71 with HC71 etc.) are matching. But the variables containing mother's characteristics are not matching. Further it looks like as if they have got shifted by one place. I have no idea how is that happening. After this i checked the merged file with my base files. It looks as if the problem is with the base PR file itself.

I have attached an image that can tell the whole problem. I have selected 3 variables to demonstrate the issue. But the trend is all over.

I used this same file(merged) to generate all the estimates as presented in the final table 10.1. I got them all matching except the ones that involve mother's characteristics (schooling, interview and BMI).

File Attachments

1) [issue.JPG](#), downloaded 504 times
