Subject: 2013 Namibia DHS data: Numbers not matching Posted by jwichmannza on Fri, 17 Nov 2017 12:42:50 GMT

View Forum Message <> Reply to Message

I am using the 2013 Namibia DHS data in one of the projects of my MPH students here at the University of Pretoria.

Please refer to Table 11.5 in the report.

I do not get these numbers at all when I use the children's recode data set, namely NMKR61FL.

e.g. below are the numbers/frequencies for the age categories I get

The SAS System 09:45 Thursday, November 16, 2017 16

The FREQ Procedure

			Cum	ulative C	umulative	
	agecat	Freque	ency Per	cent Fred	quency	Percent
	ffffff.	ffffff	fffffffff	fffffffff	•	
ffffffff	ffffffff	ffffff	fffffff			
	1	271	13.93	271	13.93	
	2	251	12.90	522	26.84	
	3	430	22.11	952	48.95	
	4	374	19.23	1326	68.17	
	5	323	16.61	1649	84.78	
	6	296	15.22	1945	100.00	

Frequency Missing = 3101

```
data xxx;
set xxx:
agecat = .;
if hw1 ne . and hw1 > 47 then agecat = 6;
if hw1 ne . and hw1 < 48 then agecat = 5;
if hw1 ne . and hw1 < 36 then agecat = 4;
if hw1 ne . and hw1 < 24 then agecat = 3;
if hw1 ne . and hw1 < 12 then agecat = 2;
if hw1 ne . and hw1 < 6 then agecat = 1;
run;
```

I get many missing values for the age categories, even in the FREQ file it is the same.

Subject: Re: 2013 Namibia DHS data: Numbers not matching Posted by Bridgette-DHS on Fri, 17 Nov 2017 18:59:01 GMT

View Forum Message <> Reply to Message

Following is a response from Senior DHS Stata Specialist, Tom Pullum:

I believe there are two possible reasons why you are not getting a match. The first is that you need to use sampling weights. The weights are given by v005. Please read up on weights elsewhere in the forum or in our documentation.

Second, the KR file has all births in the past five years, including children who have died. To get the surviving children you need to include (in Stata, not SPSS) "if b5==1". I believe you will be able to replicate the table with those changes.

Please let us know if you still cannot match.

Subject: Re: 2013 Namibia DHS data: Numbers not matching Posted by jwichmannza on Mon, 20 Nov 2017 08:34:47 GMT

View Forum Message <> Reply to Message

Hi again

See the FRQ file (uploaded here)

Item HW1: Child's age in months

... tbd-name: '.NMKR61FL DICT.RECORD1.HW1'

Categories	Frequency	/	Cum	Freq	%	Cum % Net % cNet %
0	18	18	0.4	0.4	0.9	0.9
1	55	73	1.1	1.4	2.8	3.8
2	52	125	1.0	2.5	2.7	6.4
3	43	168	0.9	3.3	2.2	8.6
4	58	226	1.1	4.5	3.0	11.6
5	45	271	0.9	5.4	2.3	13.9

6	46	317	0.9	6.3	2.4	16.3
7	44	361	0.9	7.2	2.3	18.6
8	44	405	0.9	8.0	2.3	20.8
9	40	445	8.0	8.8	2.1	22.9
10	44	489	0.9	9.7	2.3	25.1
11	33	522	0.7	10.3	1.7	26.8
12	35	557	0.7	11.0	1.8	28.6
13	52	609	1.0	12.1	2.7	31.3
14	34	643	0.7	12.7	1.7	33.1
15	32	675	0.6	13.4	1.6	34.7
16	44	719	0.9	14.2	2.3	37.0
17	42	761	8.0	15.1	2.2	39.1
18	31	792	0.6	15.7	1.6	40.7
19	28	820	0.6	16.3	1.4	42.2
20	32	852	0.6	16.9	1.6	43.8
21	40	892	8.0	17.7	2.1	45.9
22	25	917	0.5	18.2	1.3	47.1
23	35	952	0.7	18.9	1.8	48.9
24	32	984	0.6	19.5	1.6	50.6
25	41	1025	8.0	20.3	2.1	52.7
26	25	1050	0.5	20.8	1.3	54.0
27	33	1083	0.7	21.5	1.7	55.7
28	36	1119	0.7	22.2	1.9	57.5
29	34	1153	0.7	22.8	1.7	59.3
30	28	1181	0.6	23.4	1.4	60.7
31	37	1218	0.7	24.1	1.9	62.6
32	33	1251	0.7	24.8	1.7	64.3
33	29	1280	0.6	25.4	1.5	65.8
34	30	1310	0.6	26.0	1.5	67.4
35	16	1326	0.3	26.3	0.8	68.2
36	29	1355	0.6	26.9	1.5	69.7
37	30	1385	0.6	27.4	1.5	71.2
38	39	1424	8.0	28.2		
39	28	1452	0.6	28.8	1.4	74.7
40	23	1475	0.5	29.2	1.2	75.8
41	26	1501	0.5	29.7	1.3	77.2
42	24	1525	0.5	30.2	1.2	78.4
43	25	1550	0.5	30.7	1.3	79.7
44	26	1576	0.5	31.2	1.3	81.0
45	14	1590	0.3	31.5	0.7	81.7
46	34	1624	0.7	32.2	1.7	83.5
47	25	1649	0.5	32.7		84.8
48	30	1679	0.6	33.3	1.5	86.3
49	26	1705	0.5	33.8	1.3	
50	19	1724	0.4	34.2		
51	32	1756	0.6	34.8		
52	32	1788	0.6	35.4		
53	22	1810	0.4			
	=					

54	24	1834 0.5 36.3 1.2 94.3
55	26	1860 0.5 36.9 1.3 95.6
56	18	1878 0.4 37.2 0.9 96.6
57	20	1898 0.4 37.6 1.0 97.6
58	21	1919 0.4 38.0 1.1 98.7
59	26	1945 0.5 38.5 1.3 100.0
NotAppl	3101	5046 61.5 100.0
TOTAL	5046	5046 100.0 100.0

So 3101 missing values for the child's age (in month) variable.

Only 228 children were reported not to be alive anymore, see below, again from FRQ file.

So why so many missing values for the HW1 variable then?

Item B5: Child is alive

... tbd-name: '.NMKR61FL_DICT.RECORD1.B5'

Categories	Frequency	CumFreq % Cum %	
0 No 1 Yes	228 4818	228 4.5 4.5 5046 95.5 100.0	-
TOTAL	5046	5046 100.0 100.0	

File Attachments

1) NMKR61FL.FRQ, downloaded 610 times

Subject: Re: 2013 Namibia DHS data: Numbers not matching Posted by Trevor-DHS on Fri, 08 Dec 2017 16:10:23 GMT View Forum Message <> Reply to Message

The HW series of variables are for children measured for height and weight. In this survey height and weight was measured only for a subsample of children, and thus the age in this series of variables is provided only for this subsample.

The recommended method of calculating age in months for children is to calculate it using v008 and b3 as follows:

age = v008 - b3

See the note about calculating age of children on our website, which also describes recent changes we have made in the calculation of age in the most recent surveys.

Subject: Re: 2013 Namibia DHS data: Numbers not matching Posted by Bridgette-DHS on Mon, 11 Dec 2017 17:28:52 GMT View Forum Message <> Reply to Message

Following is another response (from Senior DHS Stata Specialist, Tom Pullum):

In the Namibia 2013 survey, it appears that there was a household-level selection criterion given by hv042, "household selected for hemoglobin", that refers to much more data than just the hemoglobin measurements. The information about children under five is only included for households with hv042=1. The following lines can be used to reduce the KR file to those households.

These households were randomly selected, so estimates from the KR file should be unbiased. You will find more information on this in the main report on this survey.

set more off
use e:\DHS\DHS_data\PR_files\NMPR61FL.dta, clear
keep if hvidx==1
keep hv001 hv002 hv042
tab hv044
rename hv001 v001
rename hv002 v002
sort v001 v002
save e:\DHS\DHS_data\scratch\temp.dta, replace

use e:\DHS\DHS_data\KR_files\NMKR61FL.dta, clear keep v001 v002 hw1 b* sort v001 v002 merge v001 v002 using e:\DHS\DHS_data\scratch\temp.dta tab _merge keep if _merge==3 tab hw1 hv042,m tab hw1 b5 if hv042==1,m