
Subject: Matching most recent sexual activity (women) in India_2019/21
Posted by mahfuz.ru.pops@gmail.com on Wed, 03 Aug 2022 11:46:57 GMT
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Hi there,

I calculated the percentage of women whose last sexual intercourse was within the last 4 weeks in India using the NFHS-5 (2019-21). While calculating the percentage, I applied weight (V005/1000000) and tried different variables (such as V528 and V536). Nevertheless, results from none of the variables matched the result published in the report of NFHS-5 (please see the Table 6.9.1 in the report). Can anyone please provide me the code (preferably SPSS code) for calculating the percentage of women whose last sexual intercourse was within the last 4 weeks for India from NFHS-5 data? Thanks in advance.

Subject: Re: Matching most recent sexual activity (women) in India_2019/21
Posted by [Bridgette-DHS](#) on Fri, 19 Aug 2022 11:13:15 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

I'll answer in Stata. I don't use SPSS but I think you will be able to see the logic. This variable is based on v527, which is one of the DHS variables that has the units in the first column and the number in the next two columns. Here are the possible units of time in the first column: 1 for days, 2 for weeks, 3 for months, 4 for years. The code 998 is used for "don't know / refused to answer". "tab v527" and "label list V527" will help you to see how v527 is coded. You also have to look at v536 to get "never".

Here are the Stata lines that I would use:

```
gen time=6 if v536==0
replace time=1 if v527<107
replace time=2 if v527>=107 & v527<128
replace time=3 if v527>=128 & v527<400
replace time=4 if v527>=400 & v527<998
replace time=5 if v527==998
```

```
label define time 1 "<1 week" 2 ">1 week, <1 month" 3 ">1 month, <1 year" 4 "1+ years" 5
"Missing" 6 "Never"
label values time time
```

```
gen time12=0 if time<=6
replace time12=1 if time<=2
label variable time12 "< 1 month"
```

```
gen time123=0 if time<=6
replace time123=1 if time<=3
label variable time123 "< 1 year"
```


Statistics/Data Analysis

```
1 . gen time=6 if v536==0
(723892 missing values generated)
2 .
3 . replace time=1 if v527<107
(33603 real changes made)
4 .
5 . replace time=2 if v527>=107 & v527<128
(5277 real changes made)
6 .
7 . replace time=3 if v527>=128 & v527<400
(30185 real changes made)
8 .
9 . replace time=4 if v527>=400 & v527<998
(7422 real changes made)
10 .
11 . replace time=5 if v527==998
(6172 real changes made)
12 .
13 .
14 .
15 . label define time 1 "<1 week" 2 ">1 week, <1 month" 3 ">1 month, <1 year" 4 "1+ years" 5
"Missing" 6 "Ne
label time already defined
r(110);
16 .
17 . label values time time
18 .
19 .
20 .
21 . gen time12=0 if time<=6
(641233 missing values generated)
22 .
23 . replace time12=1 if time<=2
(38880 real changes made)
24 .
25 . label variable time12 "< 1 month"
26 .
27 .
28 .
29 . gen time123=0 if time<=6
(641233 missing values generated)
30 .
31 . replace time123=1 if time<=3
(69065 real changes made)
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32 .
33 . label variable time123 "< 1 year"
```

```
34 . table time [iweight=v005/1000000]
time Freq.
<1 week 32,975.4
>1 week, <1 month 5,419.79
>1 month, <1 year 31,956.7
1+ years 8,070.33
Missing 4,909.21
Never 237.8367
35 . table time12 [iweight=v005/1000000]
< 1 month Freq.
0 45,174.1
1 38,395.2
36 .
37 . table time123 [iweight=v005/1000000]
< 1 year Freq.
0 13,217.4
1 70,351.9
38 .
```

File Attachments

1) [Stata output.pdf](#), downloaded 98 times

Subject: Re: Matching most recent sexual activity (women) in India_2019/21
Posted by [Bridgette-DHS](#) on Wed, 31 Aug 2022 14:57:44 GMT

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

This is mysterious! The "table" command in Stata is new to me, but when I run it I get exactly the same numbers as with "tab1". I do NOT get the numbers you get. I will paste my results below. Perhaps there is a difference in our versions of Stata? I am using 16 (I also have 17 but have not installed it). With tab1 you can also use "[fweight=v005]" to get the correct percentages, although the frequencies will have a factor of 1000000.

Your original posting asked for SPSS code. If you adapt this to SPSS, I hope it will work ok.

File Attachments

1) [Tables.jpg](#), downloaded 339 times

Subject: Re: Matching most recent sexual activity (women) in India_2019/21
Posted by mahfuz.ru.pops@gmail.com on Wed, 31 Aug 2022 17:26:14 GMT

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Actually I tried the same logic in SPSS, My Stata (13) and SPSS gave the same result. Now I'll try Stata 16 or 17. You have spent a lot of your valuable time and energy.....thanks a lot for your effort.

Subject: Re: Matching most recent sexual activity (women) in India_2019/21
Posted by [Bridgette-DHS](#) on Wed, 31 Aug 2022 18:59:25 GMT

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

You are welcome.

If you are able to figure this out, please provide a brief post saying how you did it. Good luck!

Subject: Re: Matching most recent sexual activity (women) in India_2019/21
Posted by mahfuz.ru.pops@gmail.com on Tue, 27 Sep 2022 05:42:26 GMT

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Hi Brigette,
Currently I have used the updated NFHS-5 data and my calculations have matched with your calculations. Thanks for your assistance, and sorry for making confusion.

Best wishes

Mahfuz

Subject: Re: Matching most recent sexual activity (women) in India_2019/21
Posted by [Mlue](#) on Tue, 27 Sep 2022 23:53:21 GMT

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Hello,

Try this one. It will hopefully point you in the right direction. The denominator matches (not sure if my approach is correct), but not all the percentages (for the categories) match.

```
cls
clear all
set matsize 800
set maxvar 32000
set mem 1g
```

```
cd "C:\Users\..."
use caseid v000 v001 v002 v003 v004 v005 v006 v007 v008 v008a v009 v010 v011 v012 v013
v021 v022 v023 v024 v025 sdist v106 v107 v130 v131 v149 v150 v151 v152 v155 v157 v158
v159 v190 v312 v313 v384a v384b v384c v501 v502 v511 v513 v531 v527 v528 v529 v536 v714
v716 v717 v171a using "IAIR7DFL.dta", clear
set more off
```

```
*****
```

```
sort v001 v002 v003
```

```
***
```

```
=====
***
```

```
gen hhid =substr(caseid,1,12)
gen wt=v005/1000000
gen weight=wt
svyset v021 [pweight = wt], strata(v023) singleunit(centered)
```

```
***
```

```
=====
***
```

```
** Timing of last sexual intercourse
cap label drop recent_sex
cap drop recent_sex
gen recent_sex=9
replace recent_sex = 0 if v527<107
replace recent_sex = 1 if v528 <= 28 & !inlist(recent_sex,0)
replace recent_sex = 2 if v527>=128 & v527<400 & !inlist(recent_sex,0,1)
replace recent_sex = 3 if v527>=400 & v527<994 & !inrange(recent_sex,1,2)
replace recent_sex = 4 if v531 == 0
replace recent_sex = 9 if v527==998
label var recent_sex "Timing of last sexual intercourse"
label define recent_sex 0"Within the last week" 1"Within the past 4 weeks" 2"Within 1 year" 3"One
or more years" 4"Never had sexual intercourse" 9"Missing"
label val recent_sex recent_sex
```

```
tab recent_sex if inlist(v171a,0,3) [iw=wt], m
svy: tab v190 recent_sex if inlist(v171a,0,3), percent format(%9.1f) miss row
```

```
svy: tab v190 recent_sex if inlist(v171a,0,3), count format(%9.0f) miss //Table 3.6 is the first time
we get "108,014": https://dhsprogram.com/pubs/pdf/FR375/FR375.pdf
```

```
***
```

```
=====
***
```

```

cap label drop time
cap drop time*
gen time=6 if v536==0
replace time=1 if v527<107
replace time=2 if v527>=107 & v527<128
replace time=3 if v527>=128 & v527<400
replace time=4 if v527>=400 & v527<998
replace time=5 if v527==998
replace time=5 if time==.

label define time 1 "<1 week" 2 ">1 week, <1 month" 3 ">1 month, <1 year" 4 "1+ years" 5
"Missing" 6 "Never"
label values time time

gen time12=0 if time<=6
replace time12=1 if time<=2
label variable time12 "< 1 month"

gen time123=0 if time<=6
replace time123=1 if time<=3
label variable time123 "< 1 year"

tab1 time time12 time123 [iweight=v005/1000000], m

*****

svy: tab v190 time if inlist(v171a,0,3), percent format(%9.1f) miss row

*****

keep if inlist(v171a,0,3)

*****

svy: tab v190 time, percent format(%9.1f) miss row
svy: tab v190 recent_sex, percent format(%9.1f) miss row

*****
*****

exit

```

File Attachments

1) [Most recent sexual activity.txt](#), downloaded 105 times