
Subject: Re: family structure

Posted by [Mr_Bokoboko](#) on Wed, 25 Sep 2019 09:41:53 GMT

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Morning,

Could this work?

* identify nuclear households: head, spouse, children

clear all

set mem 1000

cd "C:\Users\Bokoboko\Desktop\SADHS\DATASET\ZAPR71DT"

use "ZAPR71FL", clear

**

=====

*keep hhid hv001 hv002 hvidx hv101-hv105 hv111-hv114

label list HV101

**

=====

cap drop relationship

gen relationship=99

replace relationship = 1 if hv101 == 1

replace relationship = 2 if hv101 == 2

replace relationship = 3 if inlist(hv101,3,11,13,14)

replace relationship = 4 if hv101 == 8

replace relationship = 5 if hv101 == 6

*replace relationship = 6 if hv101 == ??

replace relationship = 7 if hv101 == 5

replace relationship = 8 if inlist(hv101,4,7,10)

replace relationship = 9 if hv101 == 12

label define relationship 1 "Head/acting head" 2 "Husband/wife/partner" ///

3 "Son/daughter/stepchild/adopted child" 4 "Brother/sister/stepbrother/stepsister" ///

5 "Father/mother/stepfather/stepmother" 6 "Grandparent/great grandparent" ///

7 "Grandchild/great grandchild" 8 "Other relative" 9 "Non-related persons" ///

99 "Unspecified"

label var relationship "Relationship to head"

label val relationship relationship

sort hhid hv001 hv002 hvidx

by hhid: generate hhsizes=_N

```

egen hhtag = tag(hhid)

sort hv001 hv002

save PHtemp.dta, replace

**
=====
**

gen n=1
levelsof relationship, local(levels_hv101)
foreach li of local levels_hv101 {
gen n_`li'=0
replace n_`li'=1 if relationship==`li'
}
*

collapse (sum) n*, by(hhsize hv001 hv002)

tab1 n*, m

cap drop family_type
gen family_type=.
*replace family_type=1 if n_1==1 & n_2==1 & n_3>0 & n==n_1+n_2+n_3
replace family_type = 1 if hhsize == 1
replace family_type = 2 if (n_1 >=1 & n_2 >=1) | (n_1 >=1 & n_3 >=1)
replace family_type = 3 if (n_4 >=1 | n_5>=1) | (*n_6 >=1 | / n_7>=1) | (n_8 >=1)
replace family_type = 4 if n_9 >= 1
replace family_type = . if n_1 == 0
label define family_type 1"Single" 2"Nuclear" 3"Extended" 4"Complex" 9"Unspecified"
label var family_type "Family type / household composition"
label val family_type family_type

tab family_type, m

**
=====
**

** MERGE **
sort hv001 hv002

merge 1:m hv001 hv002 using "C:\Users\Mluleki\Desktop\SADHS 2016
DATA\DATASETS\ZAPR71DT\PHtemp.dta"
duplicates report
cap drop _merge

```

```
order hhid hhsz hv001 hv002 hv005 family_type hv105 hv104 hv217 hv021 hv023 relationship
///
n n_1 n_2 n_3 n_4 n_5 n_7 n_8 n_9 *
```

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**
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**
```

```
** SURVEY SET
gen person_wgt=hv005/1000000
gen psu = hv021
gen strata = hv023
```

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

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

```
tab hv101 family_type, m
svy: tab family_type, percent format(%9.1f) col miss
tabstat hhsz [aw=person_wgt], by(family_type) stat(mean median sd min max) format(%9.1f)
tabstat hhsz if hhtag==1 [aw=person_wgt], by(family_type) stat(mean median sd min max)
format(%9.1f)
```

```
*****
```

```
tab family_type [iw= person_wgt], m
svy: tab family_type, count format(%9.0f) miss
svy: tab family_type, percent format(%9.1f) col miss
```

```
svy: tab hv270 family_type, count format(%9.0f) miss
svy: tab hv270 family_type, percent format(%9.1f) row miss
```

```
svy: tab hv109 family_type, percent format(%9.1f) row miss
```

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**
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```

```
exit
```