
Subject: Re: Reshaping Data

Posted by [Bridgette-DHS](#) on Wed, 20 Nov 2024 13:36:05 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

Right--I had a typo and meant to say "... put the education of person (a) onto the record of person (b)." Glad you corrected that.

This (the "third configuration") is a situation in which the mother-in-law is the head of the household. There is fairly often an interest in attaching the education of the household head to everyone else in the household. I see that in the PR file for the Pakistan 2017-18 survey the head's sex and age are coded onto the records for all household members as hv219 and hv220 but the head's education is not.

There are 4 relevant education variables in the PR file: hv106, hv107, hv108, hv109. I will paste below a Stata program that does what I think you want to do. It includes a crosstab of hv106 for the two women.

The percentage of women who are in this kind of a pair is very small. It's an interesting topic but you may want to expand the relationships within the household. Let us know if you have other questions.

* Compare education of mother-in-law and daughter-in-law in Pakistan 2017-18 survey

* Mother-in-law is female head of household: hv101=1 and hv104=2

* Daughter-in-law: hv101=4 and hv104=2

```
use "...PKPR71FL.DTA", clear
describe hv101
```

* The label of hv101 is HV101
label list HV101

* How many pairs are there in the data?

```
tab hv219 if hv101==4 & hv104==2
```

* There are 623 pairs

```
lookfor education
```

* The education variables for all household members are hv106-hv109

* Construct a subfile of household heads with ID variables and education variables

```
keep if hv101==1
```

```
keep hv001 hv002 hv106-hv109
```

```
rename hv10* hv10*_head
```

* Merge the head's education variables onto every person in the household
merge 1:m hv001 hv002 using "...PKPR71FL.DTA"
tab _merge
drop _merge

* Identify women who are daughters-in-law of the household head
gen dtr_inlaw=0

* Daughter-in-law of male head
replace dtr_inlaw=1 if hv101==4 & hv104==2 & hv219==1

* Daughter-in-law of female head
replace dtr_inlaw=2 if hv101==4 & hv104==2 & hv219==2

label variable dtr_inlaw "Daughter in law of head"
label define dtr_inlaw 0 "No" 1 "Head is father in law" 2 "Head is mother in law"

tab dtr_inlaw

* The population of interest is cases with dtr_inlaw=2

* Simple comparison: crosstab of hv106 for the 623 pairs
tab hv106 hv106_head if dtr_inlaw==2