Subject: identifying households with a servant
Posted by cpfeifer on Mon, 02 Mar 2015 11:59:43 GMT
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Hello
I am trying to construct the variable "household has a servant"
So I am extracting the data of HV101 (.01-.22), relation to the head of household in the household
data, as well as V705 and V717 the women or her husband's.

Any suggestion on how i can link the two datasets? and if possible, what R function can i use to
link them?
Thanks a lot!

Subject: Re: identifying households with a servant
Posted by Liz-DHS on Wed, 04 Mar 2015 17:19:29 GMT
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Dear User,
I have forwarded your query to one of our experts. Will have an answer for you as soon as it is
available.
Thank you!

Subject: Re: identifying households with a servant
Posted by Ogriv on Tue, 24 Mar 2015 14:31:10 GMT
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Hello - I'm interested in creating the same variable.

Was there ever an expert answer to this?

Thanks
Sandra

Subject: Re: identifying households with a servant
Posted by Trevor-DHS on Fri, 03 Apr 2015 12:15:42 GMT
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Here is some code in R that merges datasets, constructs the variable, and then aggregates to the
household level:

```
library(foreign)
setwd("C:/Data/DHS_stata/")
```

```
# read the Individual Recode (IR) dataset
ir <- read.dta("DRIR61FL.dta", convert.factors = FALSE)
# read the Person's Recode (PR) dataset
pr <- read.dta("DRPR61FL.dta", convert.factors = FALSE)

# create a subset of the IR dataset
ir_subset <- ir[c("caseid","v001","v002","v003","v005","v034","v705","v717")]
# create a subset of the PR dataset
pr_subset <- pr[c("hhid","hv001","hv002","hv003","hv005","hvidx","hv101","hv102","hv103")]

# merge the IR subset variables onto the PR subset by the key variables, keeping all PR cases
prir <- merge(pr_subset, ir_subset, by.x = c("hv001","hv002","hvidx"), by.y =
c("v001","v002","v003"), all.x=TRUE )

# Create the servant variable
# If the person is coded as a servant or house maid according to the relationship code
prir$servant <- ifelse(prir$hv101==16, 1, 0)
# If the person works as a domestic household worker and is not related to the head of the
household
prir$servant[prir$v705==6 & prir$hv101==12] <- 1
# If the person's husband works as a domestic household worker, and is listed in the household
(v034), and is not related to the head of the household according to their record
prir$servant[prir$v717==6 & prir$v034 > 0 & prir$hv101[which(prir$hvidx >
0)-prir$hvidx+prir$v034]==12] <- 1

# aggregate from household members to produce the variable servant for each household
hh <- aggregate(prir[c("hv001","hv002","servant")], by=list(prir$hhid), max)
head(hh)
```

Note, though, that there are very few servants (if any) in most DHS surveys, and it is not clear that it is worth it to use this variable.

Subject: Re: identifying households with a servant
Posted by cpfeifer on Tue, 07 Apr 2015 12:31:24 GMT
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Thanks a lot! this helps me further!