
Subject: filtering hhid in the HR file using R after importing in haven and using dplyr
Posted by [newtoDHS2017](#) on Sun, 08 Oct 2017 15:04:38 GMT

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Dear forum,

I have a basic question on how to correctly select cases based on the hhid field in the HR file. I have imported the Rwanda 2015-16 DHS HR (household file) in STATA format into R using the haven package, and all seems to have worked well.

However, I am trying to select certain cases of HH records by making use of the caseid (the first field in the HR file) with no success. I noticed that in R, the caseid (hhid) is a character field with values such as "1 1", "1 2", "1 10" etc as this is a combination of the cluster number (hv001) and the household number (hv002).

I used the filter command of the R dplyr package to just get the first case but it does not work:

code example - `t <- select(HR_dataset, hhid=="11")`. It does not return the line of record.

Then I thought it looks like there might be spaces in the hhid field given the way some hhid values are displayed, so equally I tried putting a space between the two 1s but this doesn't make a difference:

```
t <- select(HR_dataset, hhid == "1 1")
```

Can you let me know what I did wrong, or perhaps I should filter the cases using the cluster number and the household number (hv001,hv002) instead?

Thanks a lot for your help,

newtoDHS2017

Subject: Re: filtering hhid in the HR file using R after importing in haven and using dplyr

Posted by [Bridgette-DHS](#) on Mon, 09 Oct 2017 11:54:40 GMT

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

The easiest solution will be to use hv001, hv002, and hvidx (cluster id, household id, and line number, respectively), all of which are numeric rather than strings.

Subject: Re: filtering hhid in the HR file using R after importing in haven and using dplyr

Posted by [newtoDHS2017](#) on Mon, 09 Oct 2017 14:06:41 GMT

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Dear Bridgette and Tom,

Many thanks for this. I used the cluster and hh data and they work fine now.

thanks a lot for your response.
