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Subject: Survey Design Issue

Posted by [hamid](#) on Fri, 19 Mar 2021 21:44:45 GMT

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Recently I am experiencing some issues in setting the DHS survey design in R using the Afghanistan 2015 Standard DHS7.

After loading the Stata format individual recode dataset (AFIR71FL) into R:

```
library(foreign)
library(survey)
```

```
data <- read.dta("AFIR71FL.DTA")
data$wt <- data$v005 / 1000000
```

I simply run the following command (as indicated in the DHS documentation):

```
DHSdesign<-svydesign(id = data$v021, strata = data$v023, weights = wt, data=data)
```

and I get the following error:

```
Error in svydesign.default(id = data$v021, strata = data$v023, weights = wt, data = data) :
  Clusters not nested in strata at top level; you may want nest=TRUE.
```

which is basically telling me that PSU ids are not unique across Strata (Province +rural/urban).

Some additional notes:

- The same code worked just fine over the past month (working on it everyday);
- I tried a fresh install of R + packages without any success;
- R & packages are up to date;
- I get the same error using different machines;
- The AfDHS file in use is the most recent;
- Using the option "nest=T", as suggested by R, is not a working solution as it creates problems when running "svyglm" regressions.

I am wondering if this is a R:survey package bug or something else.

Thanks,  
Hamid

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