
Subject: Weithted analysis in R

Posted by [Mahir](#) on Tue, 23 Jul 2024 14:22:47 GMT

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Dear DHS team,

I have one more question regarding analysis of data using sampling weights.

I am using weighted data for analysis in R. I use `r` and I am using `tbl_svsummary()` in R to generate weighted table, how ever after accounting for weight using the following formula I get a weird error

```
library(survey)
tb1<-svydesign(ids = ~v021,weights = ~wt,data = tb_data, strata = ~v022, nest= T) %>%
tbl_svsummary(include = c(age,v025,WI),statistic = list(all_continuous() ~"{mean}
({sd})",all_categorical() ~ "{n} ({p}%)"), digits = all_continuous() ~ 2, label =
c(age~"Age",v025~"Residence",WI~"Wealth Index"))
```

I am running this command and I have checked the syntax is ture. However I encounter the following error:

```
"Warning message:
There were 2 warnings in `mutate()`.
The first warning was:
```

```
Caused by warning in `svymean.survey.design2()` :
! Sample size greater than population size: are weights correctly scaled?
```

I am using the DHS_Benin data and I will do the same for seven other counties (Cameroon, Cote d'Ivoire, Ghana, Kenya, liberia, Nigeria and Uganda). Could you help me with this, it would be a big help. I have posted the question on DHS user forum already. Thank you!

Best
Mahir
