
Subject: Survey design in R

Posted by [RobertB](#) on Mon, 08 Jul 2024 14:18:54 GMT

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Hello all,

Has anyone encountered the warning below when creating tabulations/statistical summaries of an outcome across various socio-economic characteristic. This is after accounting for survey design. The function used for statistical summary is `tbl_svysummary()` from the `gtsummary` package.

Warning: There were 48 warnings in ``mutate()``.

The first warning was:

Caused by warning in ``svymean.survey.design2()``:

! Sample size greater than population size: are weights correctly scaled?

code used for survey design

```
svydesign(id=mydata$hv021,data=mydata, strata=mydata$hv023,  
         weight=mydata$wt,nest=T)  
options(survey.lonely.psu="adjust")
```

Notably when i run similar analysis in stata I do not get the error and despite the warning the proportions produced in R are similar to those produced in stata.

Should i be concerned about the warning in R or ignore?

Thanks in advance.

Best wishes,
RobertB