Subject: Re: k fold cross validation for logistic regression in R
Posted by Bridgette-DHS on Mon, 27 Mar 2023 12:05:00 GMT

View Forum Message <> Reply to Message

Following is a response from DHS Senior Analysis & Research Manager, Shireen Assaf:


```
# install and load the packages you need
install.packages("survey")
library(survey)

# setting your survey design
# To identify the survey design, you need three variables: weight, psu, and strata

# creating the sampling weight variable.
IRdata$wt <- IRdata$v005/1000000

mysurvey<-svydesign(id=IRdata$v021, data=IRdata, strata=IRdata$v022,  weight=IRdata$wt,
nest=T)
options(survey.lonely.psu="adjust")
```

#now you can use the svy commands in the survey package and use the "mysurvey" sample
design object. Check the commands you can use in the survey package.

for example

table of variable v313 (FP use) this is after you attach your data. You can also use svyby,
svyglm, etc.

```
svytable(~v313, mysurvey)
```