Subject: weighting data in regression analysis Posted by Hejie Wang on Wed, 30 Oct 2024 15:15:43 GMT View Forum Message <> Reply to Message

I want to explore the main determinants affecting childhood anemia, using variables from the KR document. I mainly use R for analysis, and the code is as follows:

DHS_data\$wt<-DHS_data\$v005/100000

model <- glm(formula, data = DHS_data, family = binomial, weights = wt) Warning message:

In eval(family\$initialize, rho) : non-integer #successes in a binomial glm!

As you can see, there's always a warning. But when I don't do the weighting, the warning goes away. So I want to know how to set my weights correctly. Another question I would like to ask is whether it is reasonable for me to take the cluster and country of the research object as random items when conducting multi-level logistic regression analysis. In addition, I use the Ime4 package for multilevel analysis, but it always takes a lot of time to run a model, because there are about 400,000 samples included, so I wonder if there is any way to run my code faster