Subject **Re: Chapters 16-17 with R-code**
From David Schneider <a84dcs@mun.ca>
To Kyle Krumsick <Kyle.Krumsick@mi.mun.ca>
Reply-To <David.Schneider@mun.ca>
Reply-To <David.Schneider@mun.ca>
Date 2016-11-07 14:30

Hey Kyle,
Thanks for the commentary as well. We run into the same problem with the GLM course (B7932), that of discrepant output.

With regard to binomial output, I think the z --> p value is not a good idea on the part of r. This uses a normal approximation, which 20th century stats, when I like everyone else had to use hollith cards.

For binomial output, I think conf intervals are the way to go, as with Minitab logistic routine.
See logistic.display routine in r.

Again, thanks for your efforts.
David S

On 2013-11-15 16:29, Kyle Krumsick wrote:

> Hey Dr. Schneider,
> I started working through Part 5 of the lecture notes. I got through Chapters 16-17 with no problem and have attached the R comments here. I have been having a bit of trouble getting the code for Chapter 18 to work. Oftentimes I get the same coefficients you do but the standard error for the coefficients is quite different.
> For example, in 18.2, we use data on recapture rates on two types of moths. The parameter estimates of -1.5916 and 0.9332 are the same, but I get Std. Error estimates of 2.6674 and 3.4007 instead of 0.1881 and 0.2069. This inevitably messes up the z and p values. My code is as follows for setting up the model:
> GLM.1 <- glm(Recapt/Release ~ Type, family = binomial(logit), data = Data)
> summary(GLM.1)
> Do you have any insights in what is going on here? I'll be able to plow through the chapter 18 notes once I figure out what is going on here.
> Cheers
> K2
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