

# STATS531 Participation07

Author: Chongdan Pan(pandapcd)

I've three participation records at Piazza in his period

## 1. [Warning when running sol of HW7 in Greatlakes](#)

question @172

Warning when running sol of HW7 in Greatlakes

Does someone meet this problem when running the solution of HW7 in Greatlakes?

Warning in deparse(expr, control = "all") : deparse may be incomplete

final\_project

edit good question 0

Updated 4 hours ago by Anonymous Post

the students' answer, where students collectively construct a single answer

I found out some similar cases for your reference. [R] Trying up code: 'Warning message: deparse may be incomplete (rchr.ch)' It's probably a bug with its deparse function, but it won't cause any loss for your code.

edit thank! 0

Updated 2 hours ago by Chongdan Pan

## 2. [negative parameter by baricentric transformation](#)

negative parameter by baricentric transformation

Does baricentric transformation ensure positivity? According to the definition [link](#) it should. But when I run profile the parameters subjected to baricentric transformation becomes negative, though near zero. Why could it happen and how to fix it?

The parameter of interest is L\_0  
sfrs\_rint0 <- csnippet("double s = N((S\_0+2.0+e\_0));  
s = nearbyInt(S\_0+n);  
i = nearbyInt(L\_0+n);  
k = nearbyInt(L\_0+n);  
n = 0;  
")  
Transformation:  
baricentric=c("S\_0","L\_0","R\_0")  
Profiling on a parameter:  
bake(file=paste0(results.dir,"a\_profile.rds"),dependson=guesses,{  
registerBMWS(218560475);  
foreach(guess=iter(guesses,"row"),.combine=rbind) %dopark({  
library(pomp)  
library(tidyverse)  
m1 %>% mif2(params=c(guess,fixed.params),Melf=Melf,  
Rv.sd=rms.sd,c=0.02,d=0.02,mu.LR=0.02,mu.RS=0.02,  
k=0.02,I\_0=1vp(0.02),R\_0=1vp(0.02))  
})  
Error with negative L\_0  
Error in l1: task 4 failed - "in "mif2": 'dmeasure' with logwTRUE returns illegal value. Log  
likelihood, data, states, and parameters are: time: 1 loglik: NaN reports: 81 5: NaN I: NaN R: NaN H:  
NaN a: 2 c: 0.232892 d: 5.95279 mu LR: 2.0355 mu RS: 17.0475 k: 4.59063 I\_0: -0.00965089 R\_0: 0.764082 S\_0: 0.449147  
Rsq: 3.96585e-05 b: 0.550813 N: 3.25e+05  
final\_project  
edit good question 0  
Updated 10 hours ago by Vasilina Filanova (vfilanova)  
the students' answer, where students collectively construct a single answer  
Could you filter the negative parameter out in your process or dmeasure function? For example, if the parameter is negative, then the likelihood produced from your dmeasure is 0.  
edit thank! 0  
Updated 3 hours ago by Chongdan Pan

## 3. [Question Regarding the "bake" function](#)

question @168

Question Regarding the "bake" function

When running the code from the most recent measles analysis, the `bake` command seems to hang in R. Does anyone know what may be causing this? If I run the internal components of the function (without the `bake` function wrapping) it works completely normally (and quickly) but when I try to run `bake`, the code will hang without ever finishing. Thanks!

chapter16

edit good question 0

Updated 16 hours ago by Jenna King (jennank)

the students' answer, where students collectively construct a single answer

Does the file exists when you're calling the bake function? It may be due to the permission problem of you file system or the object is too large as well.

edit thank! 0

Updated 3 hours ago by Chongdan Pan

followup discussions for lingering questions and comments

Resolved

Unresolved

Jenna King (jennank) 23 minutes ago  
Unfortunately that doesn't fix it, no. I tried deleting the file and it still is just hanging... Very very odd.

helpful 0

Jenna King (jennank) 11 minutes ago  
It looks like it has to do with the foreach loop piece, but still unsure. Any advice would be greatly appreciated!

helpful 0

Reply to this followup discussion