

Week1 IC1 Example

```
load("week4_IC1_example.Rdata")
```

Pick the variable for your group by uncommenting the appropriate statements:

```
y1<-Y11    #group 1
y2<-Y12

#y1<-Y21    #group 2
#y2<-Y22

#y1<-Y31    #group 3
#y2<-Y32

#y1<-Y41    #group 4
#y2<-Y42
```

Call STAN

```
library(rstan)                                #make sure rstan is available

## Loading required package: ggplot2
## rstan (Version 2.8.2, packaged: 2015-11-26 15:27:02 UTC, GitRev:
05c3d0058b6a)
## For execution on a local, multicore CPU with excess RAM we recommend
calling
## rstan_options(auto_write = TRUE)
## options(mc.cores = parallel::detectCores())

rstan_options(auto_write = TRUE)              #use multiple cores
options(mc.cores = parallel::detectCores())   #if we have them
stanfit<-stan("week4_IC1_example.stan")       #call STAN using defaults

## Warning in normalizePath(file): path[1]="week4_IC1_example.stan":
No such file or directory
## Warning in file(fname, "rt"): cannot open file 'week4_IC1_example.stan':
No such file or directory
## Error in get_model_strcode(file, model_code): cannot open model
file "week4_IC1_example.stan"

print(stanfit)

## Error in print(stanfit): object 'stanfit' not found
```

Launch shinystan

```
library(shinystan)

## Loading required package: shiny
##
## This is shinystan version 2.0.1

launch_shinystan(stanfit)

##
## Loading...
## Note: for large models ShinyStan may take a few moments to launch.
## Error in inherits(object, "stanreg"): object 'stanfit' not found
```