N = nrow(ct)

N1 = nrow(test.p[test.p$species2=="Cx tarsalis",])

N2 = nrow(test.a)

Y = matrix(NA, nrow(ct), 2)

Y[(1:N1),1] = ct$positive[(1:N1)]

Y[((N1+1):N),2] = ct$culex\_tarsalis\_females[((N1+1):N)]

offs = numeric(N)

offs[(1:N1)] = ct$num\_count

offs[((N1+1):N)] = ct$total\_trap\_nights

model0 = inla(formula0,

family=c("binomial","nbinomial"),

data=as.list(ct, Y, offs),

offs=offs,

control.predictor=list(compute=T, link=c(rep(1, times=N1), rep(2, times=N2))),

control.compute=list(dic=T, cpo=T, waic=T),

control.family=list(list(link="cloglog"),list(link="log")), verbose=T)

x[.,.] <- val : x being coerced from Tsparse\* to CsparseMatrix

Read ntt 4 1 with max.threads 8

Found num.threads = 4:1 max\_threads = 4

1f6a39183ef43d8ef33f10ff3f04fd13f8432758 - Mon Feb 22 21:27:50 2021 +0300

Report bugs to <help@r-inla.org>

Set reordering to id=[0] and name=[default]

Process file[C:\Users\Pascale\AppData\Local\Temp\RtmpQzIciF\file2410659852a/Model.ini] threads[4] max.threads[8] blas\_threads[1] nested[4:1]

inla\_build...

number of sections=[15]

parse section=[0] name=[INLA.libR] type=[LIBR]

inla\_parse\_libR...

section[INLA.libR]

R\_HOME=[C:/PROGRA~1/R/R-40~1.5]

parse section=[13] name=[INLA.Expert] type=[EXPERT]

inla\_parse\_expert...

section[INLA.Expert]

disable.gaussian.check=[0]

cpo.manual=[0]

jp.file=[(null)]

jp.model=[(null)]

parse section=[1] name=[INLA.Model] type=[PROBLEM]

inla\_parse\_problem...

name=[INLA.Model]

R-INLA version=[21.02.23]

R-INLA build date=[Mon Feb 22 11:58:09 PM +03 2021]

Build tag=[Version\_21.02.23]

openmp.strategy=[default]

pardiso-library installed and working? = [no]

smtp = [taucs]

strategy = [default]

store results in directory=[C:\Users\Pascale\AppData\Local\Temp\RtmpQzIciF\file2410659852a/results.files]

output:

cpo=[1]

po=[1]

dic=[1]

kld=[1]

mlik=[1]

q=[0]

graph=[0]

gdensity=[0]

hyperparameters=[1]

summary=[1]

return.marginals=[1]

nquantiles=[3] [ 0.025 0.5 0.975 ]

ncdf=[0] [ ]

parse section=[4] name=[Predictor] type=[PREDICTOR]

inla\_parse\_predictor ...

section=[Predictor]

dir=[predictor]

PRIOR->name=[loggamma]

hyperid=[53001|Predictor]

PRIOR->from\_theta=[function (x) <<NEWLINE>>exp(x)]

PRIOR->to\_theta = [function (x) <<NEWLINE>>log(x)]

PRIOR->PARAMETERS=[1, 1e-005]

initialise log\_precision[12]

fixed=[1]

user.scale=[1]

vb.correct=[0]

n=[15637]

m=[0]

ndata=[15637]

compute=[1]

read offsets from file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599]

read n=[31274] entries from file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599]

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 0/15637 (idx,y) = (0, 9)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 1/15637 (idx,y) = (1, 1)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 2/15637 (idx,y) = (2, 32)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 3/15637 (idx,y) = (3, 3)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 4/15637 (idx,y) = (4, 7)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 5/15637 (idx,y) = (5, 50)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 6/15637 (idx,y) = (6, 13)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 7/15637 (idx,y) = (7, 1)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 8/15637 (idx,y) = (8, 20)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24102bfb3599] 9/15637 (idx,y) = (9, 50)

read link.fitted.values from file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66]

read n=[31274] entries from file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66]

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 0/15637 (idx,y) = (0, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 1/15637 (idx,y) = (1, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 2/15637 (idx,y) = (2, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 3/15637 (idx,y) = (3, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 4/15637 (idx,y) = (4, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 5/15637 (idx,y) = (5, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 6/15637 (idx,y) = (6, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 7/15637 (idx,y) = (7, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 8/15637 (idx,y) = (8, 0)

file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24106c274c66] 9/15637 (idx,y) = (9, 0)

Aext=[(null)]

AextPrecision=[1e+008]

output:

summary=[1]

return.marginals=[1]

nquantiles=[3] [ 0.025 0.5 0.975 ]

ncdf=[0] [ ]

parse section=[2] name=[INLA.Data1] type=[DATA]

inla\_parse\_data [section 1]...

tag=[INLA.Data1]

family=[BINOMIAL]

likelihood=[BINOMIAL]

file->name=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24107ba37640]

file->name=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file241056d11dd7]

file->name=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file241066fa6911]

read n=[17016] entries from file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file24107ba37640]

mdata.nattributes = 0

0/5672 (idx,a,y,d) = (0, 1, 0, 1)

1/5672 (idx,a,y,d) = (1, 1, 0, 1)

2/5672 (idx,a,y,d) = (2, 1, 0, 1)

3/5672 (idx,a,y,d) = (3, 1, 0, 1)

4/5672 (idx,a,y,d) = (4, 1, 0, 1)

5/5672 (idx,a,y,d) = (5, 1, 0, 1)

6/5672 (idx,a,y,d) = (6, 1, 0, 1)

7/5672 (idx,a,y,d) = (7, 1, 0, 1)

8/5672 (idx,a,y,d) = (8, 1, 0, 1)

9/5672 (idx,a,y,d) = (9, 1, 0, 1)

likelihood.variant=[0]

Link model [CLOGLOG]

Link order [-1]

Link variant [-1]

Link a [1]

Link ntheta [0]

mix.use[0]

parse section=[3] name=[INLA.Data2] type=[DATA]

inla\_parse\_data [section 2]...

tag=[INLA.Data2]

family=[NBINOMIAL]

likelihood=[NBINOMIAL]

file->name=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file241054ce4ab5]

file->name=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file241039306d96]

file->name=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file241014682300]

read n=[29895] entries from file=[C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file241054ce4ab5]

mdata.nattributes = 0

0/9965 (idx,a,y,d) = (5672, 1, 0, 1)

1/9965 (idx,a,y,d) = (5673, 1, 10, 1)

2/9965 (idx,a,y,d) = (5674, 1, 1, 1)

3/9965 (idx,a,y,d) = (5675, 1, 0, 1)

4/9965 (idx,a,y,d) = (5676, 1, 9, 1)

5/9965 (idx,a,y,d) = (5677, 1, 0, 1)

6/9965 (idx,a,y,d) = (5678, 1, 3, 1)

7/9965 (idx,a,y,d) = (5679, 1, 0, 1)

8/9965 (idx,a,y,d) = (5680, 1, 31, 1)

9/9965 (idx,a,y,d) = (5681, 1, 0, 1)

likelihood.variant=[0]

initialise log\_size[2.30259]

fixed=[0]

use parameterization variant=[0]; see doc for details

PRIOR->name=[pcmgamma]

hyperid=[63001|INLA.Data2]

PRIOR->from\_theta=[function (x) <<NEWLINE>>exp(x)]

PRIOR->to\_theta = [function (x) <<NEWLINE>>log(x)]

PRIOR->PARAMETERS[0]=[7]

Link model [LOG]

Link order [-1]

Link variant [-1]

Link a [1]

Link ntheta [0]

mix.use[0]

parse section=[10] name=[id.num] type=[FFIELD]

inla\_parse\_ffield...

section=[id.num]

dir=[random.effect00000001]

model=[bym2]

PRIOR0->name=[pcprec]

hyperid=[11001|id.num]

PRIOR0->from\_theta=[function (x) <<NEWLINE>>exp(x)]

PRIOR0->to\_theta = [function (x) <<NEWLINE>>log(x)]

PRIOR0->PARAMETERS0=[1 0.01]

PRIOR1->name=[table: C]

hyperid=[11002|id.num]

PRIOR1->from\_theta=[function (x) <<NEWLINE>>exp(x)/(1 + exp(x))]

PRIOR1->to\_theta = [function (x) <<NEWLINE>>log(x/(1 - x))]

PRIOR1->table=[table: C:/Users/Pascale/AppData/Local/Temp/RtmpQzIciF/file2410659852a/data.files/file241047db4df]

vb.corError in inla.inlaprogram.has.crashed() :

The inla-program exited with an error. Unless you interupted it yourself, please rerun with verbose=TRUE and check the output carefully.

If this does not help, please contact the developers at <help@r-inla.org>.