

# The blended Generalised Extreme Value distribution

The documentation for this likelihood model is a vignette, do  
vignette("bGEVtutorial1-2", package="INLA")  
to open it.

Parametrisation

Link-function

Hyperparameters

Specification

Hyperparameter spesification and default values

doc The blended Generalized Extreme Value likelihood

hyper

theta1

hyperid 57201  
name spread  
short.name sd  
output.name spread for BGEV observations  
output.name.intern log spread for BGEV observations  
initial 0  
fixed FALSE  
prior loggamma  
param 1 3  
to.theta function(x) log(x)  
from.theta function(x) exp(x)

theta2

hyperid 57202  
name tail  
short.name xi  
output.name tail for BGEV observations  
output.name.intern intern tail for BGEV observations  
initial -4  
fixed FALSE  
prior pc.gevtail  
param 7 0 0.5  
to.theta function(x, interval = c(REPLACE.ME.low, REPLACE.ME.high)) log(-(interval[1]  
from.theta function(x, interval = c(REPLACE.ME.low, REPLACE.ME.high)) interval[1] + (

theta3

hyperid 57203  
name beta1  
short.name beta1  
output.name MUST BE FIXED

```

    output.name.intern MUST BE FIXED
    initial NA
    fixed FALSE
    prior normal
    param 0 300
    to.theta function(x) x
    from.theta function(x) x
theta4
    hyperid 57204
    name beta2
    short.name beta2
    output.name MUST BE FIXED
    output.name.intern MUST BE FIXED
    initial NA
    fixed FALSE
    prior normal
    param 0 300
    to.theta function(x) x
    from.theta function(x) x
theta5
    hyperid 57205
    name beta3
    short.name beta3
    output.name MUST BE FIXED
    output.name.intern MUST BE FIXED
    initial NA
    fixed FALSE
    prior normal
    param 0 300
    to.theta function(x) x
    from.theta function(x) x
theta6
    hyperid 57206
    name beta4
    short.name beta4
    output.name MUST BE FIXED
    output.name.intern MUST BE FIXED
    initial NA
    fixed FALSE
    prior normal
    param 0 300
    to.theta function(x) x
    from.theta function(x) x
theta7

```

hyperid 57207  
name beta5  
short.name beta5  
output.name MUST BE FIXED  
output.name.intern MUST BE FIXED  
initial NA  
fixed FALSE  
prior normal  
param 0 300  
to.theta function(x) x  
from.theta function(x) x

theta8

hyperid 57208  
name beta6  
short.name beta6  
output.name MUST BE FIXED  
output.name.intern MUST BE FIXED  
initial NA  
fixed FALSE  
prior normal  
param 0 300  
to.theta function(x) x  
from.theta function(x) x

theta9

hyperid 57209  
name beta7  
short.name beta7  
output.name MUST BE FIXED  
output.name.intern MUST BE FIXED  
initial NA  
fixed FALSE  
prior normal  
param 0 300  
to.theta function(x) x  
from.theta function(x) x

theta10

hyperid 57210  
name beta8  
short.name beta8  
output.name MUST BE FIXED  
output.name.intern MUST BE FIXED  
initial NA  
fixed FALSE  
prior normal

```

    param 0 300
    to.theta function(x) x
    from.theta function(x) x
theta11
    hyperid 57211
    name beta9
    short.name beta9
    output.name MUST BE FIXED
    output.name.intern MUST BE FIXED
    initial NA
    fixed FALSE
    prior normal
    param 0 300
    to.theta function(x) x
    from.theta function(x) x
theta12
    hyperid 57212
    name beta10
    short.name beta
    output.name MUST BE FIXED
    output.name.intern MUST BE FIXED
    initial NA
    fixed FALSE
    prior normal
    param 0 300
    to.theta function(x) x
    from.theta function(x) x

```

survival FALSE

discrete FALSE

link default identity log

pdf bgev

Example

Notes