

# 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