Fancy likelihood: "fl"

Parametrisation

This not a likelihood in the usual sense, but a artificial one to more easily be able add missing terms into the likelihood contribution due to various rewrites/reformulations. Obviously, it is only ment for special occations and to be used only for those who have spesific needs.

The "loglikelihood" is

$$\log f(y) = c_1 + c_2\eta - \frac{1}{2}c_3(c_4 - \eta)^2 - c_5 \exp(c_6 + c_7\eta)$$

for constants $c_1, \ldots, c_7$. In most cases, only a few of the c_i's will be non-zero. As there is no dependence on the reponse y, then y itself is not part of the spesification.

Link-function

Not relevant, so the identity link is used.

Hyperparameters

None.

Specification

- `family="fl"`
- This family require the response to be a `inla.mdata`-object, where each row defines the vector of $(c_1, \ldots, c_7)$ for each likelihood contribution. Any `NA`'s in the c_i's will be converted to 0.

Hyperparameter spesification and default values

`family="fl"`

Example

Notes

Since this is not a likelihood in the usual sense, it will not be used for CPO/GCPO calculations and not be influenced by the `control.inla=list(cmin=...)`-argument.