## Truncated Gaussian prior

## Parametrization

This is a prior for a precision  $\tau$  and defined as follows. The standard deviation  $\sigma = 1/\sqrt{\tau}$  is Gaussian distributed with mean  $\mu$  and precision  $\kappa$  but truncated to be positive.

## Specification

This prior for the hyperparameters is specified inside the f() function as The following:

```
f(<whatever>, prior="logtnormal", param=c(<mean \mu>, <precision \kappa>)) or "logtgaussian".
```

## Example

In the following example we estimate the parameters in a simulated example with gaussian responses and assign for the precision  $\tau$ , the above prior.