

Package ‘mlt.docreg’

October 8, 2025

Title Most Likely Transformations: Documentation and Regression Tests

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Description Additional documentation, a package vignette and regression tests for package mlt.

Depends mlt ($\geq$ 1.3-2)

Imports numDeriv, stats, eha, multcomp ($\geq$ 1.4-4), lattice, survival, flexsurv, truncreg

Suggests variables, basefun, MASS, TH.data, knitr, prodlim, gridExtra, nnet, mgcv, HSAUR3, sandwich, grid, latticeExtra, colorspace, Matrix, AER, coin, gamlss.data, mlbench, tram ($\geq$ 0.6-0), rms

VignetteBuilder knitr

URL <http://ctm.R-forge.R-project.org>

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NeedsCompilation no

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`checkGH`*Check Gradient and Hessian*

Description

Check analytic gradient and hessian against their numerical approximation

Usage

```
checkGH(object, tol)
```

Arguments

<code>object</code>	an object of class <code>mlt</code> as returned by <code>mlt</code>
<code>tol</code>	tolerance, passed to <code>all.equal</code> .

Details

Computes the gradient and hessian analytically and numerically and compares the two. Warnings are suppressed for the numerical approximations as they are not aware of model constraints which might get violated.

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