

Package ‘R2STATS’

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Title A GTK GUI for Fitting and Comparing GLM and GLMM

Version 0.68-39

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Description A 'gWidgetsRGtk2' GUI for fitting and comparing GLM or GLMM (based on Douglas Bates' 'lme4' package). It is designed to make comparisons between numerous models easy, both numerically and graphically, which may be useful for teaching. Relevant plots are automatically produced for each model family. 'R2STATS' is **not** a generic graphical interface for R, but a GUI for statistical modelling in a model comparison approach.

URL <http://yvonnick.noel.free.fr/r2stats>

License GPL (>= 2)

Depends R (>= 3.1.0), proto, Matrix

Imports grDevices, lattice, lme4, cairoDevice, gWidgets,
gWidgetsRGtk2, RGtk2Extras, MASS, utils, latticeExtra, statmod

SystemRequirements Cairo (>= 1.0.0), ATK (>= 1.10.0), Pango
(>=1.10.0), GTK+ (>= 2.8.0), GLib (>= 2.8.0)

NeedsCompilation no

Repository CRAN

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R2STATS-package *A gWidgetsRGtk2 Graphical User Interface for GLM and GLMM in R*

Description

R2STATS is a graphical frontend to R designed to make estimation and visualization of GLM and GLMM easy.

Details

Package: R2STATS
Type: Package
Version: 0.68-39
Date: 2018-03-01
License: GPL (>=2)

Just type R2STATS() at the prompt to launch the GUI.

Author(s)

Maintainer: Yvonnick Noel <yvonnick.noel@uhb.fr>

R2STATS *R2STATS*

Description

A function to construct and launch the R2STATS interface.

Usage

R2STATS()

Details

The interface is stored in the proto object 'r2stats'.

Value

r2stats A proto object which field 'models' contains the list of all models tested, in R2STATS model representation.

Author(s)

Yvonnick Noel, University of Brittany, Rennes, France.

References

Noel, Y. (2013). Psychologie statistique avec R, coll. Pratique R, Paris: Springer.

r2stats

Internal object for storing the R2STATS GUI.

Description

r2stats is a proto object containing all widgets, data and methods for the R2STATS GUI.

Details

It is very unlikely that access to this object is needed, but just in case: The R representation of any model is in the `.$Rmodel` field.

Author(s)

Yvonnick Noel, University of Brittany, Rennes, France.

Examples

```
# Once the GUI has been launched and your-model-name has been fitted,  
# this gives you the internal R model object:  
## Not run: r2stats$models$your.model.name$Rmodel
```

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