

Package ‘R2STATS’

February 19, 2015

Type Package

Title A GTK GUI for fitting and comparing GLM and GLMM in R

Version 0.68-38

Encoding UTF-8

Date 2013-10-02

Author Yvonnick Noel

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

Description

R2STATS is a gWidgetsRGtk2 GUI for fitting and comparing GLM or GLMM (based on Douglas Bates' lme4 package) in R. 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 (>= 2.14.0), proto, Matrix

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

Repository CRAN

Repository/R-Forge/Project r2stats

Repository/R-Forge/Revision 52

Repository/R-Forge/DateTimeStamp 2014-04-21 10:14:23

Date/Publication 2014-04-22 12:07:26

NeedsCompilation no

R topics documented:

R2STATS-package	2
R2STATS	2
r2stats	3

Index	4
--------------	----------

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: 0.68-32
Date: 2013-09-21
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
```

Index

*Topic **GUI, GLM, GLMM**

R2STATS, [2](#)

*Topic **GUI**

r2stats, [3](#)

R2STATS, [2](#)

r2stats, [3](#)

R2STATS-package, [2](#)