Package ‘RcmdrPlugin.GWRM’

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Type Package

Title R Commander Plug-in for Fitting Generalized Waring Regression Models

Version 1.0.2

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Depends R (>= 3.0.0), GWRM (>= 2.1.0.1), RcmdrMisc (>= 1.0-2)

Imports Rcmdr (>= 2.0-0)

Description Provides an Rcmdr plug-in based on the GWRM package.

License GPL (>= 2)

LazyData true

NeedsCompilation no

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Repository CRAN

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**generalizedWaringModel**

*Rcmdr Generalized Waring Regression Model Dialog*

**Description**

This dialog is used to specify a generalized Waring regression model to be fit by the gw function.

**Usage**

```r
generalizedWaringModel()
```

**Details**

It shares a common general structure with that of the Linear Model (see `linenarModel`). Therefore, the use of this dialog box is similar to the linear model except the box labelled `model parameters`, in which a fixed value for the parameter \( k \) can be specified; if it is not supplied, the \( k \) estimate is computed.

**Value**

It returns a new Gw model in the model list.

**Examples**

```r
library(RcmdrPlugin.GWRM)
```

**Description**

This package is an R Commander "plug-in" based on the GWRM package (see GWRM). It provides a GUI for fitting a generalized Waring regression model to a dataset, together with other common regression functions such as Akaike and Bayesian information criteria, stepwise model selection or add observation statistics to data. Moreover, it allows for computing the partition of the variance for the selected Gw model and carrying out a graphical diagnosis by a simulated envelope of the residuals.
Details

Package: RcmdrPlugin.GWRM
Type: Package
Title: R Commander Plug-In for Fitting Generalized Waring Regression Models
Version: 1.0.1
Date: 2016-02-18
Depends: R (>= 3.0.0), GWRM (>= 2.1.0.1), RcmdrMisc (>= 1.0-2)
License: GPL (>= 2)

Note

Some functions cannot run adequately if there are missing data.

Author(s)

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See Also

Rcmdr

RcmdrPlugin.Utility  GWRM Plug-In Utility Functions

Description

GWRM Plug-In Utility Functions

Usage

extractNewData(nrows, colNames)
listGeneralizedWaringModels(envir = .GlobalEnv, ...)
activeModelGW(envir = .GlobalEnv, ...)
showTable(...)
gwrmpartvar()
gwrmsupResiduals()
gwrmsupAddObservationStatistics()
Arguments

- **nrows**: the new data number rows
- **colNames**: the names of the covariates
- **envir**: the environments inside search.
- **...**: further arguments.
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