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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R topics documented:

1

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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

```
generalizedWaringModel()
```

Details

It shares a common general structure with that of the Linear Model (see linearModel). 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 specificied; if it is not supplied, the k estimate is computed.

Value

It returns a new GW model in the model list.

Examples

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

RcmdrPlugin.GWRM   *GWRM Plug-In for R Commander*

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()

gwrmResiduals()

gwrmAddObservationStatistics()
```

Arguments

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

Index