Package 'appregr'

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Title Demonstrates Regression Workflow and Diagnostics

Version 0.0.0.9000

Description Wrapper code for regression diagnostics.

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Encoding UTF-8

LazyData true

Suggests MASS, covr, testthat, knitr, ggplot2, pander, faraway, rmarkdown

Roxygen list(markdown = TRUE)

RoxygenNote 6.1.1

VignetteBuilder knitr

NeedsCompilation no

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R topics documented:

checkleverage *Gets high leverage elements*

Description

Gets high leverage elements

Usage

```
checkleverage(lm.fit, df)
```

Arguments

lm.fit	linear model
df	dataframe with training data

Value

data frame with high leverage data points

checkoutliers *Gets outliers*

Description

Gets outliers

Usage

```
checkoutliers(lm.fit, df)
```

Arguments

lm.fit	linear model
df	dataframe with training data

Value

list with outliers residual range, and bonferroni corrected t vals

getmodel *Returns a linear model and the dataframe of data*

Description

Returns a linear model and the dataframe of data

Usage

```
getmodel(modelname)
```

Arguments

modelname	character model to get

Value

list(lm.fit,df) an object of type lm and the training data

listavailable *Returns a list of available datasets*

Description

Returns a list of available datasets

Usage

```
listavailable()
```

Value

a list with descriptions - use names(returnvalue) to get valid names to pass into getmodel function.

modeldesc *Returns a description of requested dataset*

Description

Returns a description of requested dataset

Usage

```
modeldesc(modelname)
```

Arguments

modelname	name of model to describe

Value

String with data description

partialregression *Partial Regression*

Description

Partial Regression

Usage

```
partialregression(lm.fit, df)
```

Arguments

lm.fit	linear model
df	dataframe with training data

Value

data for partial regression plots

Index