

oaModelTools

October 22, 2018

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| | |
|------------------|---|
| computeContrasts | <i>Function for computing contrasts for lme4 models</i> |
|------------------|---|

Description

Function for computing contrasts for lme4 models

Usage

```
computeContrasts(inModel = NULL, responseVar = "TC11",  
  treatmentVar = NULL, timeVar = NULL, controlTreatment = 1,  
  predictorVars = NULL, allPairwise = TRUE)
```

Arguments

| | |
|------------------|--|
| inModel | model to compute contrasts on |
| responseVar | model response variable |
| treatmentVar | model treatment variable |
| timeVar | model time variable |
| controlTreatment | control treatment level |
| predictorVars | optional vector of model predictor variables. Will be derived from the model call if not provided |
| allPairwise | binary indication of whether to compute all pairwise contrasts (or only contrast with the control) |

Value

data.frame of contrast values

Author(s)

Jason Waddell

 customSummary

Print a summary of an lme4 model with approximate p-values

Description

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Print a summary of an lme4 model with approximate p-values

Usage

```
customSummary(x, ...)
```

```
## S3 method for class 'mer'
```

```
customSummary(x, ...)
```

```
## S3 method for class 'merMod'
```

```
customSummary(x, ...)
```

```
## S3 method for class 'lmerMod'
```

```
customSummary(x, ...)
```

```
## S3 method for class 'glmerMod'
```

```
customSummary(x, ...)
```

Arguments

x lme4 object

... further arguments for specific methods

Value

model summary data.frame

data frame of model coefficient summary statistics

model summary data.frame

model summary data.frame

model summary data.frame

Author(s)

Jason Waddell

| | |
|---------------------|--|
| print.customSummary | <i>Print a custom summary of an lme4 model with the specified number of digits</i> |
|---------------------|--|

Description

Print a custom summary of an lme4 model with the specified number of digits

Usage

```
## S3 method for class 'customSummary'  
print(x, ..., digits = 3)
```

Arguments

| | |
|--------|--|
| x | customSummary object |
| ... | additional arguments to be passed to print.data.frame |
| digits | number of significant digits to print the values of x at |

Value

data frame is printed to the console

Author(s)

Jason Waddell

| | |
|------------|----------------------------------|
| printStars | <i>Convert P Values to Stars</i> |
|------------|----------------------------------|

Description

Convert P Values to Stars

Usage

```
printStars(pValues)
```

Arguments

| | |
|---------|----------------------|
| pValues | a vector of p-values |
|---------|----------------------|

Value

stars a (character) vector of stars indicating the significance of the p-values

Author(s)

Jason Waddell

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