

Package ‘AVEmGLMM’

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Type Package

Title Pairwise likelihood methods for multivariate GLMMs

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Description Pairwise likelihood methods for multivariate generalized linear mixed models

Depends R (>= 3.0.1)

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LazyData true

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aveThetas	<i>This computes the AVE and WAVE methods for m-GLMMs</i>
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Description

It acts on the Models structure for all pairs of items

Usage

```
aveThetas(Models, Data, GHk = 5, n, Q, extraParam)
```

Arguments

Models
Data
GHk
n
Q

Value

The estimates parameters of the model with methods AVE and WAVE

demoExample	<i>This is a Demo Example of the AVEmGLMM package</i>
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Description

It sets up an estimation problem, and performs the estimation with methods AVE and WAVE

Usage

```
demoExample()
```

Value

Returns the demo example output. It runs as a script with no input.

estimateModelFit	<i>This estimates the modelfit</i>
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Description

It acts on the Data data.frame and on the number of items Q

Usage

```
estimateModelFit(Data, Q, n)
```

Arguments

Data	a data.frame with the data. 1st column id, 2nd column time, remaining Q columns are the y 0/1 values (Q items)
Q	the number of items. Set this to four.
n	number of individuals

Value

Returns the model fitted

generateData	<i>This generates the Data</i>
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Description

It acts on the primitives of the estimation problem and returns the Data

Usage

```
generateData(id, times, n, X, Z, betas, b, Q)
```

Arguments

id
times
n
X
Z
betas
b
Q

Value

Returns the generated Data as data.frame

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