Package 'JSM'

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Type Package

Title Semiparametric Joint Modeling of Survival and Longitudinal Data

Version 1.0

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Description Maximum likelihood estimation for the semiparametric joint modeling of survival and longitudinal data

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Imports Rcpp (>= 0.11.5), RcppEigen (>= 0.3.2.4.0)

LinkingTo Rcpp, RcppEigen

Depends R (>= 3.0.0), nlme, splines, statmod, survival

R topics documented:

JSM-package   *What the package does (short line) Joint modeling*

Description

More about what it does (maybe more than one line) Joint modelling squared!!

Details

Package:	JSM
Type:	Package
Version:	1.0
Date:	2015-04-30
License:	BSD_3_clause

Author(s)

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References

Biostatistics (2014), 15, 4, pp. 731-744

Examples

```
1+3
```

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jmodelMult	*Joint Modeling Main Function with NMRE (nonparametric Multiplicative random effects)*

Description

Joint Modeling Main Function with NMRE (nonparametric Multiplicative random effects)

Usage

```
jmodelMult(fitLME, fitCOX, data, model = 1, rho = 0, timeVarT = NULL,
  control = list(), ...)
```

Arguments

fitLME	is a
fitCOX	is a
data	is a
model	is a
rho	is a
timeVarT	is a
control	is a
...	can be additional arguments

Value

jmodelMult class model

Examples

```
1 + 3
```

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jmodelTM   *Joint Modeling Main Function with LME (linear mixed effects)*

Description

Joint Modeling Main Function with LME (linear mixed effects)

Usage

```
jmodelTM(fitLME, fitCOX, data, model = 1, rho = 0, timeVarY = NULL,
  timeVarT = NULL, control = list(), ...)
```

Arguments

fitLME	is a
fitCOX	is a
data	is a
model	is a
rho	is a
timeVarY	is a
timeVarT	is a
control	is a
...	can be additional arguments

Value

jmodelTM class model

Examples

```
1 + 3
```

Index