# ${\bf Package\ 'Self Controlled Case Series'}$

November 10, 2015

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createSccsEraData Create SCCS era data

#### **Description**

Create SCCS era data

#### Usage

```
createSccsEraData(sccsData, exposureId, outcomeId = NULL, naivePeriod = 0,
firstOutcomeOnly = FALSE, includeExposureOfInterest = TRUE,
exposureOfInterestSettings = createCovariateSettings(stratifyByID = TRUE,
start = 0, end = 0, addExposedDaysToEnd = TRUE, splitPoints = c()),
includePreExposureOfInterest = FALSE,
preExposureOfInterestSetting = createCovariateSettings(stratifyByID = TRUE,
mergeErasBeforeSplit = FALSE, start = -30, end = -1, addExposedDaysToEnd =
FALSE, splitPoints = c()), covariateSettingsList = list(),
includeAgeEffect = FALSE, ageKnots = 5, includeSeasonality = FALSE,
seasonKnots = 5, eventDependentObservation = FALSE)
```

## **Arguments**

sccsData An object of type sccsData as created using the getDbSccsData function.

naivePeriod The number of days at the start of a patient's observation period that should not

be included in the risk calculations. Note that the naive period can be used to determine current covariate status right after the naive period, and whether an

outcome is the first one.

firstOutcomeOnly

Whether only the first occurrence of an outcome should be considered.

covariateStart Start day relative to the start of a covariate when the covariate should be considered in the risk and file.

ered in the risk profile.

covariatePersistencePeriod

Number of days after the end of the covariate when the risk is assumed to stop.

excludeConceptIds

Concept IDs that should be excluded from the list of covariates.

#### **Details**

This function chops patient time into periods during which all covariates remain constant. The output details these periods, their durations, and a sparse representation of the covariate values.

#### Value

An object of type sccsEraData.

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Todo: add title

## **Description**

Todo: add description

#### Usage

```
getDbSccsData(connectionDetails, cdmDatabaseSchema,
oracleTempSchema = cdmDatabaseSchema,
outcomeDatabaseSchema = cdmDatabaseSchema,
outcomeTable = "condition_occurrence", outcomeIds,
outcomeConditionTypeConceptIds = c(),
exposureDatabaseSchema = cdmDatabaseSchema, exposureTable = "drug_era",
exposureIds = c(), excludeConceptIds = c(), drugEraCovariates = FALSE,
conditionEraCovariates = FALSE, procedureCovariates = FALSE,
visitCovariates = FALSE, observationCovariates = FALSE,
measurementCovariates = FALSE, deleteCovariatesSmallCount = 100,
cdmVersion = "4")
```

## **Arguments**

connectionDetails

An R object of type ConnectionDetails created using the function createConnectionDetails in the DatabaseConnector package.

cdmDatabaseSchema

oracleTempSchema

outcomeDatabaseSchema

outcomeTable

outcomeIds

 $\verb"outcomeConditionTypeConceptIds"$ 

 ${\tt exposureDatabaseSchema}$ 

exposureTable

exposureIds

excludeConceptIds

drugEraCovariates

conditionEraCovariates

procedure Covariates

visitCovariates

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```
observation {\tt Covariates}
```

measurementCovariates

deleteCovariatesSmallCount

 ${\tt cdmVersion}$ 

## **Details**

Todo: add details

loadSccsData

Load the SCCS data from a folder

## Description

loadSccsData loads an object of type sccsData from a folder in the file system.

## Usage

```
loadSccsData(folder, readOnly = TRUE)
```

## **Arguments**

folder The name of the folder containing the data.

readOnly If true, the data is opened read only.

## **Details**

The data will be written to a set of files in the folder specified by the user.

## Value

An object of class cohortData.

# Examples

# todo

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loadSccsEraData

Load the SCCS era data from a folder

## **Description**

loadSccsEraData loads an object of type sccsEraData from a folder in the file system.

## Usage

```
loadSccsEraData(folder, readOnly = FALSE)
```

## **Arguments**

readOnly If true, the data is opened read only.

file The name of the folder containing the data.

## **Details**

The data will be written to a set of files in the folder specified by the user.

#### Value

An object of class sccsEraData

saveSccsData

Save the SCCS data to folder

## Description

sccsData saves an object of type sccsData to folder.

## Usage

```
saveSccsData(sccsData, folder)
```

## Arguments

sccsData An object of type sccsData as generated using getDbSccsData.

folder The name of the folder where the data will be written. The folder should not yet

exist.

## **Details**

The data will be written to a set of files in the specified folder.

# **Examples**

# todo

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saveSccsEraData

Save the SCCS era data to folder

# Description

saveSccsEraData saves an object of type sccsEraData to folder.

## Usage

```
saveSccsEraData(sccsEraData, folder)
```

## **Arguments**

sccsEraData An object of type sccsEraData as generated using createSccsEraData.

folder The name of the folder where the data will be written. The folder should not yet

exist.

## **Details**

The data will be written to a set of files in the specified folder.

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## Description

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