Package 'CelecoxibVsNsNSAIDs'

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Title Celecoxib versus non-selective NSAIDs

Version 0.2.0

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Description What the study does (paragraph)

Depends R (>= 3.2.2),
DatabaseConnector (>= 1.3.0)

Imports SqlRender (>= 1.1.2),
CohortMethod (>= 1.1.0),
EmpiricalCalibration,
DBI,
OhdsiSharing,
ggplot2

Suggests testthat

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LazyData true

R topics documented:

`addOutcomeNames` *Add names to a data frame with outcome IDs*

Description

Add names to a data frame with outcome IDs

Usage

```
addOutcomeNames(data, outcomeIdColumnName = "outcomeId")
```

Arguments

data	The data frame to add the outcome names to
outcomeIdColumnName	The name of the column in the data frame that holds the outcome IDs.

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createAnalysesDetails *Create the analyses details*

Description

Create the analyses details

Usage

```
createAnalysesDetails(connectionDetails, cdmDatabaseSchema, outputFolder)
```

Arguments

connectionDetails	An object of type connectionDetails as created using the createConnectionDetails function in the DatabaseConnector package.
cdmDatabaseSchema	Schema name where your patient-level data in OMOP CDM format resides. Note that for SQL Server, this should include both the database and schema name, for example 'cdm_data.dbo'.
outputFolder	Name of local folder to place results; make sure to use forward slashes (/)

Details

This function creates files specifying the analyses that will be performed.

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createCohorts *Create the exposure and outcome cohorts*

Description

Create the exposure and outcome cohorts

Usage

```
createCohorts(connectionDetails, cdmDatabaseSchema, workDatabaseSchema,
  studyCohortTable = "ohdsi_celecoxib_nsnsaids", oracleTempSchema,
  cdmVersion = 5, outputFolder)
```

Arguments

`connectionDetails`	An object of type `connectionDetails` as created using the `createConnectionDetails` function in the DatabaseConnector package.
`cdmDatabaseSchema`	Schema name where your patient-level data in OMOP CDM format resides. Note that for SQL Server, this should include both the database and schema name, for example 'cdm_data.dbo'.
`workDatabaseSchema`	Schema name where intermediate data can be stored. You will need to have write priviliges in this schema. Note that for SQL Server, this should include both the database and schema name, for example 'cdm_data.dbo'.
`studyCohortTable`	The name of the table that will be created in the work database schema. This table will hold the exposure and outcome cohorts used in this study.
`oracleTempSchema`	Should be used in Oracle to specify a schema where the user has write priviliges for storing temporary tables.
`cdmVersion`	Version of the CDM. Can be "4" or "5"
`outputFolder`	Name of local folder to place results; make sure to use forward slashes (/)

Details

This function will create the exposure and outcome cohorts following the definitions included in this package.

`doEmpiricalCalibration` *Perform empirical calibration*

Description

Perform empirical calibration

Usage

```
doEmpiricalCalibration(outputFolder)
```

Arguments

`outputFolder`	The path to the output folder containing the results.

Details

Performs empricical calibration using the negative control outcomes, and computes the calibrated p-values

execute *Execute OHDSI Celecoxib versus non-selective NSAIDs study*

Description

Execute OHDSI Celecoxib versus non-selective NSAIDs study

Usage

```
execute(connectionDetails, cdmDatabaseSchema,
  workDatabaseSchema = cdmDatabaseSchema,
  studyCohortTable = "ohdsi_celecoxib_nsnsaids", oracleTempSchema = NULL,
  cdmVersion = 5, outputFolder, createCohorts = TRUE, runAnalyses = TRUE,
  empiricalCalibration = TRUE, packageResultsForSharing = TRUE)
```

Arguments

connectionDetails	An object of type connectionDetails as created using the createConnectionDetails function in the DatabaseConnector package.
cdmDatabaseSchema	Schema name where your patient-level data in OMOP CDM format resides. Note that for SQL Server, this should include both the database and schema name, for example 'cdm_data.dbo'.
workDatabaseSchema	Schema name where intermediate data can be stored. You will need to have write priviliges in this schema. Note that for SQL Server, this should include both the database and schema name, for example 'cdm_data.dbo'.
studyCohortTable	The name of the table that will be created in the work database schema. This table will hold the exposure and outcome cohorts used in this study.
oracleTempSchema	Should be used in Oracle to specify a schema where the user has write priviliges for storing temporary tables.
cdmVersion	Version of the CDM. Can be "4" or "5"
outputFolder	Name of local folder to place results; make sure to use forward slashes (/)

Details

This function executes the OHDSI Celecoxib versus non-selective NSAIDs study.

Value

TODO

Examples

```
## Not run:
connectionDetails <- createConnectionDetails(dbms = "postgresql",
                                             user = "joe",
                                             password = "secret",
                                             server = "myserver")

execute(connectionDetails,
        cdmDatabaseSchema = "cdm_data",
        workDatabaseSchema = "results",
        oracleTempSchema = NULL,
        outputFolder = "c:/temp/study_results",
        cdmVersion = "5")


## End(Not run)
```

`packageResults` *Package the results for sharing with OHDSI researchers*

Description

Package the results for sharing with OHDSI researchers

Usage

```
packageResults(outputFolder)
```

Arguments

`outputFolder`	Name of local folder to place results; make sure to use forward slashes (/)

Details

This function packages the results.

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