Package 'PhenotypeLibraryDiagnostics'

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Type Package

Title Generating Cohort Diagnostics for the OHDSI Phenotype Library

Version 0.0.1

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Description Generating cohort diagnostics for the cohort definitions in the OHDSI Phenotype Library.

Depends DatabaseConnector (>= 3.0.0)

Imports CohortDiagnostics,
OhdsiSharing,
ParallelLogger

License Apache License 2.0

LazyData TRUE

RoxygenNote 7.1.1

R topics documented:

`runPhenotypeLibraryDiagnostics` *Execute the cohort diagnostics*

Description

Execute the cohort diagnostics

Usage

```
runPhenotypeLibraryDiagnostics(
  connectionDetails,
  cdmDatabaseSchema,
  cohortDatabaseSchema = cdmDatabaseSchema,
  cohortTable = "cohort",
  oracleTempSchema = cohortDatabaseSchema,
  outputFolder,
  databaseId = "Unknown",
  databaseName = "Unknown",
  databaseDescription = "Unknown",
  createCohorts = TRUE,
  runInclusionStatistics = TRUE,
  runTimeDistributions = TRUE,
  runBreakdownIndexEvents = TRUE,
  runIncidenceRates = TRUE,
  runCohortOverlap = TRUE,
  runCohortCharacterization = TRUE,
  runTemporalCohortCharacterization = TRUE,
  runVisitContext = TRUE,
  minCellCount = 5
)
```

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'.
cohortDatabaseSchema	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'.
cohortTable	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.
outputFolder	Name of local folder to place results; make sure to use forward slashes (/). Do not use a folder on a network drive since this greatly impacts performance.
databaseId	A short string for identifying the database (e.g. 'Synpuf').
databaseName	The full name of the database (e.g. 'Medicare Claims Synthetic Public Use Files (SynPUFs)').
databaseDescription	A short description (several sentences) of the database.
createCohorts	Create the cohortTable table with the exposure and outcome cohorts?

`runInclusionStatistics`
: Generate and export statistic on the cohort incusion rules?

`runTimeDistributions`
: Generate and export cohort time distributions?

`runBreakdownIndexEvents`
: Generate and export the breakdown of index events?

`runIncidenceRates`
: Generate and export the cohort incidence rates?

`runCohortOverlap`
: Generate and export the cohort overlap?

`runCohortCharacterization`
: Generate and export the cohort characterization?

`runTemporalCohortCharacterization`
: Generate and export the temporal cohort characterization?

`runVisitContext`
: Generate and export the visit context?

`minCellCount`
: The minimum number of subjects contributing to a count before it can be included in packaged results.

Details

This function executes the cohort diagnostics.

`uploadResults` *Upload results to OHDSI server*

Description

Upload results to OHDSI server

Usage

```
uploadResults(outputFolder, privateKeyFileName, userName)
```

Arguments

`outputFolder`
: Name of local folder where the results were generated; make sure to use forward slashes (/).

`privateKeyFileName`
: A character string denoting the path to the RSA private key provided by the study coordinator.

`userName`
: A character string containing the user name provided by the study coordinator.

Details

This function uploads the 'AllResults_<databaseId>.zip' to the OHDSI SFTP server. Before sending, you can inspect the zip file, wich contains (zipped) CSV files. You can send the zip file from a different computer than the one on which is was created.

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