Package 'SkeletonCohortDiagnosticsStudy'

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Type Package

Title A package that generates cohort diagnostics output based on Skeleton data set

Version 0.0.1

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Description A package that generates cohort diagnostics output based on Skeleton data set

Depends DatabaseConnector (¿= 4.0.0)

Imports CohortDiagnostics (¿= 2.0.0),
ParallelLogger (¿= 2.0.0)

Suggests knitr,
rmarkdown,
ROhdsiWebApi,
OhdsiRTools,

License Apache License (¿= 2)

VignetteBuilder knitr

LazyData TRUE

RoxygenNote 7.1.1

Encoding UTF-8

Language en-US

R topics documented:

`runCohortDiagnostics` *Execute the cohort diagnostics*

Description

Execute the cohort diagnostics

Usage

```
runCohortDiagnostics(
  connectionDetails,
  cdmDatabaseSchema,
  cohortDatabaseSchema = cdmDatabaseSchema,
  cohortTable = "cohort",
  oracleTempSchema = cohortDatabaseSchema,
  outputFolder,
  incrementalFolder = file.path(outputFolder, "incrementalFolder"),
  databaseId = "Unknown",
  databaseName = databaseId,
  databaseDescription = databaseId,
  createCohorts = TRUE,
  runInclusionStatistics = TRUE,
  runIncludedSourceConcepts = FALSE,
  runOrphanConcepts = FALSE,
  runTimeDistributions = TRUE,
  runBreakdownIndexEvents = TRUE,
  runIncidenceRates = TRUE,
  runCohortOverlap = TRUE,
  runVisitContext = TRUE,
  cohortIds = NULL,
  runCohortCharacterization = TRUE,
  runTemporalCohortCharacterization = 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 privileges 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 privileges 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.

`incrementalFolder`
: Name of local folder to hold the logs for incremental run; 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 inclusion rules?

`runIncludedSourceConcepts`
: Generate and export the source concepts included in the cohorts?

`runOrphanConcepts`
: Generate and export potential orphan concepts?

`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?

`runVisitContext`
: Generate and export the visit context?

`cohortIds`
: Optionally, provide a subset of cohort IDs to restrict the diagnostics to.

`runCohortCharacterization`
: Generate and export the cohort characterization?

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

`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 (/). Do not use a folder on a network drive since this greatly impacts performance.
`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 'Results_¡databaseId¿.zip' to the OHDSI SFTP server. Before sending, you can inspect the zip file, which contains (zipped) CSV files. You can send the zip file from a different computer than the one on which is was created.

Index