

Package ‘SkeletonCohortDiagnosticsStudy’

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Type Package

Title A Study Package for Generating Cohort Diagnostics

Version 0.0.1

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Description

A package that generates cohort diagnostics for cohort definitions included in the package.

Depends R (>= 4.1.0)

Imports CohortDiagnostics (>= 3.1.2),
CohortGenerator (>= 0.7.0),
ParallelLogger (>= 3.1.0),
DatabaseConnector (>= 6.0.0),
OhdsiSharing,
keyring,
jsonlite

Suggests ROhdsiWebApi

License Apache License (>= 2)

LazyData TRUE

RoxygenNote 7.2.3

Encoding UTF-8

Language en-US

R topics documented:

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| execute | <i>Execute the cohort diagnostics</i> |
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Description

Execute the cohort diagnostics

Usage

```
execute(
  connectionDetails,
  cdmDatabaseSchema,
  vocabularyDatabaseSchema = cdmDatabaseSchema,
  cohortDatabaseSchema = cdmDatabaseSchema,
  cohortTable = "cohort",
  tempEmulationSchema = getOption("sqlRenderTempEmulationSchema"),
  verifyDependencies = TRUE,
  outputFolder,
  incrementalFolder = file.path(outputFolder, "incrementalFolder"),
  databaseId = "Unknown",
  packageWithCohortDefinitions = "SkeletonCohortDiagnosticsStudy",
  cohortIds = NULL,
  minCellCount = 5,
  databaseName = databaseId,
  databaseDescription = databaseId,
  extraLog = NULL
)
```

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'. |
| vocabularyDatabaseSchema | Schema name where your OMOP vocabulary data resides. This is commonly the same as cdmDatabaseSchema. Note that for SQL Server, this should include both the database and schema name, for example 'vocabulary.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. |
| tempEmulationSchema | Some database platforms like Oracle and Impala do not truly support temp tables. To emulate temp tables, provide a schema with write privileges where temp tables can be created. |

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|------------------------------|---|
| verifyDependencies | Check whether correct package versions are installed? |
| 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'). |
| packageWithCohortDefinitions | Name of the package that has the cohort definitions. This needs to be installed. |
| cohortIds | Do you want to limit the execution to only some cohort ids. |
| minCellCount | The minimum cell count for fields contains person counts or fractions. Default 5. |
| 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. |
| extraLog | Do you want to add anything extra into the log? |

Details

This function executes the cohort diagnostics.

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| uploadResults | <i>Upload results to OHDSI server</i> |
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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 it was created.

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