Package 'examplePackage'

April 15, 2021

Type Package

Title A package that generates cohort diagnostics output.

Version 0.0.1

Author Gowtham Rao [aut, cre]

Maintainer Gowtham Rao <rao@ohdsi.org>

Description A package that generates cohort diagnostics output.

Depends DatabaseConnector (>= 2.2.0),
OhdsiRTools

Imports CohortDiagnostics,
ParallelLogger

Suggests knitr,
rmarkdown,
ROhdsiWebApi,

License Apache License (>= 2)

VignetteBuilder knitr

LazyData TRUE

RoxygenNote 7.1.1

Encoding UTF-8

Language en-US

R topics documented:

runCohortDiagnostics 1

Index **4**

`runCohortDiagnostics` *Execute the cohort diagnostics*

Description

Execute the cohort diagnostics

Usage

```
runCohortDiagnostics(
  connectionDetails,
  cdmDatabaseSchema,
  vocabularyDatabaseSchema = cdmDatabaseSchema,
  cohortDatabaseSchema = cdmDatabaseSchema,
  cohortTable = "cohort",
  tempEmulationSchema = cohortDatabaseSchema,
  outputFolder,
  incrementalFolder = file.path(outputFolder, "incrementalFolder"),
  databaseId = "Unknown",
  databaseName = "Unknown",
  databaseDescription = "Unknown",
  createCohorts = TRUE,
  runInclusionStatistics = TRUE,
  runIncludedSourceConcepts = TRUE,
  runOrphanConcepts = TRUE,
  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'.

`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`
: 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.
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?
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.

Index

createConnectionDetails, *2*

runCohortDiagnostics, 1