Package 'Ohdsi2020StudyathonCohortDiagnostics'

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Type Package

Title A Package Skeleton for Cohort Diagnostics

Version 0.0.1

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Description A R package, to be used to capture the cohorts being diagnosed as part of cohort diagnostics in OHDSI studyathon 2020

Depends DatabaseConnector (¿= 2.2.0)

Imports CohortDiagnostics

Suggests knitr,
rmarkdown,
ROhdsiWebApi,
OhdsiRTools

License Apache License 2.0

VignetteBuilder knitr

LazyData TRUE

RoxygenNote 7.1.1

R topics documented:

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runCohortDiagnostics   *Execute the cohort diagnostics*

Description

Execute the cohort diagnostics

Usage

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

Arguments

packageName Study package name. This package has the cohort specifications.

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?

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?

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.

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