

Package ‘Covid19CohortEvaluation’

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Type Package

Title A Central Package for Evaluation the Cohorts Used in the Various COVID-19 Studies

Version 0.0.1

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Description A central package for evaluation the cohorts used in the various COVID-19 studies.

Depends DatabaseConnector (>= 2.2.0)

Imports CohortDiagnostics (>= 0.1.2),
ParallelLogger,
OhdsiSharing (>= 0.2.1),
readr

Suggests knitr,
rmarkdown

Remotes ohdsi/CohortDiagnostics,
ohdsi/OhdsiSharing

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VignetteBuilder knitr

URL <https://ohdsi-studies.github.io/Covid19CohortEvaluation>, <https://github.com/ohdsi-studies/Covid19CohortEvaluation>

BugReports <https://github.com/ohdsi-studies/Covid19CohortEvaluation/issues>

LazyData TRUE

RoxygenNote 7.0.2

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Covid19CohortEvaluation	<i>Covid19CohortEvaluation</i>
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Description

Covid19CohortEvaluation

execute	<i>Execute the main cohort evaluation</i>
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Description

Execute the main cohort evaluation

Usage

```
execute(
  connectionDetails,
  cdmDatabaseSchema,
  cohortDatabaseSchema = cdmDatabaseSchema,
  cohortTable = "cohort",
  oracleTempSchema = cohortDatabaseSchema,
  outputFolder,
  databaseId = "Unknown",
  databaseName = "Unknown",
  databaseDescription = "Unknown",
  cohortGroups = getCohortGroups(),
  createCohorts = TRUE,
  runCohortDiagnostics = 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.
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.
cohortGroups	A character vector indicating which cohort groups to evaluate. See getCohortGroups() for options.
createCohorts	Create the cohortTable table with the exposure and outcome cohorts?
runCohortDiagnostics	Run the various cohort diagnostics?
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.

getCohortGroups	<i>Get the list of cohort groups</i>
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Description

Get the list of cohort groups

Usage

```
getCohortGroups()
```

Value

A character vector of cohort group names included in this package.

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 to place results; 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 'AllResults_<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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