Package 'ROhdsiWebApi'

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Type Package

Title R package to allow interactivity with a WebApi instance

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Description Includes R wrappers for calling WebAPI web services.

License Apache License 2.0

Depends R (>= 3.1.0),

Imports checkmate,
   dplyr,
   httr (>= 1.3.1),
   jsonlite,
   lifecycle,
   lubridate,
   openxlsx (>= 4.0.17),
   ParallelLogger,
   purrr,
   RJSONIO,
   scales,
   SqlRender,
   stringr,
   tibble,
   tidyr,
   rlang

Suggests testthat,
   knitr,
   rmarkdown

URL https://github.com/OHDSI/ROhdsiWebApi

BugReports https://github.com/OHDSI/ROhdsiWebApi/issues

NeedsCompilation no

RoxygenNote 7.1.0

Encoding UTF-8

VignetteBuilder knitr

Language en-US

RdMacros lifecycle

R **topics documented:**

---

cancelCharacterizationGeneration

Cancel generation of Characterization id.

Description

Cancel generation of Characterization id.

Usage

```
cancelCharacterizationGeneration(characterizationId, baseUrl, sourceKey)
```

Arguments

characterizationId

> An integer id representing the id that uniquely identifies a Characterization definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

sourceKey   The source key for a CDM instance in WebAPI, as defined in the Configuration page

Details

Cancel the generation of Characterization id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
cancelCharacterizationGeneration(characterizationId = 13242,
                                 baseUrl = "http://server.org:80/WebAPI",
                                 sourceKey = "HCUP")

## End(Not run)
```

---

cancelCohortGeneration

Cancel generation of Cohort id.

Description

Cancel generation of Cohort id.

Usage

```
cancelCohortGeneration(cohortId, baseUrl, sourceKey)
```

Arguments

cohortId   An integer id representing the id that uniquely identifies a Cohort definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

sourceKey   The source key for a CDM instance in WebAPI, as defined in the Configuration page

Details

Cancel the generation of Cohort id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
cancelCohortGeneration(cohortId = 13242,
                       baseUrl = "http://server.org:80/WebAPI",
                       sourceKey = "HCUP")

## End(Not run)
```

---

cancelGeneration   *Invoke generation.* **Stable**

Description

Invoke generation. **Stable**

Usage

```
cancelGeneration(id, baseUrl, sourceKey, category)
```

Arguments

id	An integer id representing the id that uniquely identifies a definition for the category in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
sourceKey	The source key for a CDM instance in WebAPI, as defined in the Configuration page
category	These are the categories in WebApi. The valid string options are 'conceptSet', 'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'prediction'.

Details

Invoke generation (execution) information.

Value

Error message if invoke failed.

Examples

```
## Not run:
cancelGeneration(id = 13242, category = "cohort", baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

cancelIncidenceRateGeneration

Cancel generation of IncidenceRate id.

Description

Cancel generation of IncidenceRate id.

Usage

```
cancelIncidenceRateGeneration(incidenceRateId, baseUrl, sourceKey)
```

Arguments

incidenceRateId

> An integer id representing the id that uniquely identifies a IncidenceRate definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

sourceKey   The source key for a CDM instance in WebAPI, as defined in the Configuration page

Details

Cancel the generation of IncidenceRate id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
cancelIncidenceRateGeneration(incidenceRateId = 13242,
                              baseUrl = "http://server.org:80/WebAPI",
                              sourceKey = "HCUP")

## End(Not run)
```

cancelPathwayGeneration

Cancel generation of Pathway id.

Description

Cancel generation of Pathway id.

Usage

```
cancelPathwayGeneration(pathwayId, baseUrl, sourceKey)
```

Arguments

pathwayId	An integer id representing the id that uniquely identifies a Pathway definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
sourceKey	The source key for a CDM instance in WebAPI, as defined in the Configuration page

Details

Cancel the generation of Pathway id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
cancelPathwayGeneration(pathwayId = 13242,
                        baseUrl = "http://server.org:80/WebAPI",
                        sourceKey = "HCUP")

## End(Not run)
```

---

convertConceptSetDefinitionToTable

Convert a concept set definition to a table **Maturing**

Description

Convert a concept set definition to a table **Maturing**

Usage

```
convertConceptSetDefinitionToTable(conceptSetDefinition)
```

Arguments

conceptSetDefinition

A concept set definition, for example as obtained through the `getConceptSetDefinition` function, or taken from a cohort definition.

Value

Takes a R (list) representation of the Concept Set expression and returns a table (dataframe) representing the concept set expression. This is useful to create publication friendly output of the concept set expression.

Examples

```
## Not run:
conceptSetDefinition <- getConceptSetDefinition(conceptSetId = 282,
                                                baseUrl = "http://server.org:80/WebAPI")
convertConceptSetDefinitionToTable(conceptSetDefinition = conceptSetDefinition)

## End(Not run)
```

---

createConceptSetWorkbook

Save a set of concept sets expressions, included concepts, and mapped concepts into a workbook **Maturing**

Description

Save a set of concept sets expressions, included concepts, and mapped concepts into a workbook **Maturing**

Usage

```
createConceptSetWorkbook(
  conceptSetIds,
  fileName,
  baseUrl,
  included = FALSE,
  mapped = FALSE
)
```

Arguments

conceptSetIds	A vector of concept set IDs.
fileName	The name of the XLSX workbook file.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
included	Should included concepts be included in the workbook?
mapped	Should mapped concepts be included in the workbook?

Value

A xlsx workbook that includes a list of all concept set IDs and names and a worksheet for the concepts in each set. Options to include an included concepts and mapped concepts worksheet for each concept set are available.

```
deleteCharacterizationDefinition
```
Delete Characterization id definition. **Stable**

Description

Delete Characterization id definition. **Stable**

Usage

```
deleteCharacterizationDefinition(characterizationId, baseUrl)
```

Arguments

characterizationId

> An integer id representing the id that uniquely identifies a Characterization definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Delete the Characterization definition from WebAPI for a given Characterization id

Value

None, unless error.

Examples

```
## Not run:
deleteCharacterizationDefinition(characterizationId = 13242,
                                baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

```
deleteCohortDefinition
```
Delete Cohort id definition. **Stable**

Description

Delete Cohort id definition. **Stable**

Usage

```
deleteCohortDefinition(cohortId, baseUrl)
```

Arguments

cohortId	An integer id representing the id that uniquely identifies a Cohort definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Delete the Cohort definition from WebAPI for a given Cohort id

Value

None, unless error.

Examples

```
## Not run:
deleteCohortDefinition(cohortId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

deleteConceptSetDefinition

Delete ConceptSet id definition. **Stable**

Description

Delete ConceptSet id definition. **Stable**

Usage

```
deleteConceptSetDefinition(conceptSetId, baseUrl)
```

Arguments

conceptSetId	An integer id representing the id that uniquely identifies a ConceptSet definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Delete the ConceptSet definition from WebAPI for a given ConceptSet id

Value

None, unless error.

Examples

```
## Not run:
deleteConceptSetDefinition(conceptSetId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

deleteDefinition   *Delete a definition id of a chosen category.* **Stable**

Description

Delete a definition id of a chosen category. **Stable**

Usage

```
deleteDefinition(id, baseUrl, category)
```

Arguments

id	An integer id representing the id that uniquely identifies a definition for the category in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
category	These are the categories in WebApi. The valid string options are 'conceptSet', 'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'prediction'.

Details

Delete the definition for an id of chosen category in WebApi.

Value

An R object representing the

Examples

```
## Not run:
deleteDefinition(id = 13242, baseUrl = "http://server.org:80/WebAPI", category = "cohort")

## End(Not run)
```

---

deleteEstimationDefinition
                    Delete Estimation id definition. **Stable**

Description

Delete Estimation id definition. **Stable**

Usage

```
deleteEstimationDefinition(estimationId, baseUrl)
```

Arguments

estimationId   An integer id representing the id that uniquely identifies a Estimation definition
                in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Delete the Estimation definition from WebAPI for a given Estimation id

Value

None, unless error.

Examples

```
## Not run:
deleteEstimationDefinition(estimationId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

deleteIncidenceRateDefinition
                    Delete IncidenceRate id definition. **Stable**

Description

Delete IncidenceRate id definition. **Stable**

Usage

```
deleteIncidenceRateDefinition(incidenceRateId, baseUrl)
```

Arguments

incidenceRateId
> An integer id representing the id that uniquely identifies a IncidenceRate definition in a WebApi instance.

baseUrl
> The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Delete the IncidenceRate definition from WebAPI for a given IncidenceRate id

Value

None, unless error.

Examples

```
## Not run:
deleteIncidenceRateDefinition(incidenceRateId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

deletePathwayDefinition

Delete Pathway id definition. **Stable**

Description

Delete Pathway id definition. **Stable**

Usage

```
deletePathwayDefinition(pathwayId, baseUrl)
```

Arguments

pathwayId
> An integer id representing the id that uniquely identifies a Pathway definition in a WebApi instance.

baseUrl
> The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Delete the Pathway definition from WebAPI for a given Pathway id

Value

None, unless error.

Examples

```
## Not run:
deletePathwayDefinition(pathwayId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

deletePredictionDefinition

Delete Prediction id definition. **Stable**

Description

Delete Prediction id definition. **Stable**

Usage

```
deletePredictionDefinition(predictionId, baseUrl)
```

Arguments

predictionId	An integer id representing the id that uniquely identifies a Prediction definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Delete the Prediction definition from WebAPI for a given Prediction id

Value

None, unless error.

Examples

```
## Not run:
deletePredictionDefinition(predictionId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

```
detectCharacterizationsByName
```
Detect the presence of string matched Characterization definitions.
Stable

Description

Detect the presence of string matched Characterization definitions. **Stable**

Usage

```
detectCharacterizationsByName(pattern, negate = FALSE, baseUrl)
```

Arguments

pattern	A pattern to look for. See str_detect for details.
negate	If TRUE, return non-matching elements. See str_detect for details.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Detect string matched Characterization definition names from the WebApi, and retrieve metadata definitions.

Value

FALSE if no matches. If matched - output from getCharacterizationDefinitionsMetaData

Examples

```
## Not run:
detectCharacterizations(pattern = "this text string to search in pattern",
                        baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

```
detectCohortsByName
```
Detect the presence of string matched Cohort definitions. **Stable**

Description

Detect the presence of string matched Cohort definitions. **Stable**

Usage

```
detectCohortsByName(pattern, negate = FALSE, baseUrl)
```

Arguments

pattern	A pattern to look for. See str_detect for details.
negate	If TRUE, return non-matching elements. See str_detect for details.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Detect string matched Cohort definition names from the WebApi, and retrieve metadata definitions.

Value

FALSE if no matches. If matched - output from getCohortDefinitionsMetaData

Examples

```
## Not run:
detectCohorts(pattern = "this text string to search in pattern",
              baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

detectConceptSetsByName

Detect the presence of string matched ConceptSet definitions. **Stable**

Description

Detect the presence of string matched ConceptSet definitions. **Stable**

Usage

```
detectConceptSetsByName(pattern, negate = FALSE, baseUrl)
```

Arguments

pattern	A pattern to look for. See str_detect for details.
negate	If TRUE, return non-matching elements. See str_detect for details.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Detect string matched ConceptSet definition names from the WebApi, and retrieve metadata definitions.

Value

FALSE if no matches. If matched - output from getConceptSetDefinitionsMetaData

Examples

```
## Not run:
detectConceptSets(pattern = "this text string to search in pattern",
                  baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

detectEstimationsByName

Detect the presence of string matched Estimation definitions. **Stable**

Description

Detect the presence of string matched Estimation definitions. **Stable**

Usage

```
detectEstimationsByName(pattern, negate = FALSE, baseUrl)
```

Arguments

pattern	A pattern to look for. See [str_detect](#) for details.
negate	If TRUE, return non-matching elements. See [str_detect](#) for details.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Detect string matched Estimation definition names from the WebApi, and retrieve metadata definitions.

Value

FALSE if no matches. If matched - output from [getEstimationDefinitionsMetaData](#)

Examples

```
## Not run:
detectEstimations(pattern = "this text string to search in pattern",
                  baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

detectIncidenceRatesByName

Detect the presence of string matched IncidenceRate definitions. **Sta-
ble**

Description

Detect the presence of string matched IncidenceRate definitions. **Stable**

Usage

```
detectIncidenceRatesByName(pattern, negate = FALSE, baseUrl)
```

Arguments

pattern	A pattern to look for. See str_detect for details.
negate	If TRUE, return non-matching elements. See str_detect for details.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Detect string matched IncidenceRate definition names from the WebApi, and retrieve metadata
definitions.

Value

FALSE if no matches. If matched - output from getIncidenceRateDefinitionsMetaData

Examples

```
## Not run:
detectIncidenceRates(pattern = "this text string to search in pattern",
                     baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

detectPathwaysByName   *Detect the presence of string matched Pathway definitions.* **Stable**

Description

Detect the presence of string matched Pathway definitions. **Stable**

Usage

```
detectPathwaysByName(pattern, negate = FALSE, baseUrl)
```

Arguments

pattern	A pattern to look for. See str_detect for details.
negate	If TRUE, return non-matching elements. See str_detect for details.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Detect string matched Pathway definition names from the WebApi, and retrieve metadata definitions.

Value

FALSE if no matches. If matched - output from getPathwayDefinitionsMetaData

Examples

```
## Not run:
detectPathways(pattern = "this text string to search in pattern",
               baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

detectPredictionsByName

Detect the presence of string matched Prediction definitions. **Stable**

Description

Detect the presence of string matched Prediction definitions. **Stable**

Usage

```
detectPredictionsByName(pattern, negate = FALSE, baseUrl)
```

Arguments

pattern	A pattern to look for. See str_detect for details.
negate	If TRUE, return non-matching elements. See str_detect for details.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Detect string matched Prediction definition names from the WebApi, and retrieve metadata definitions.

Value

FALSE if no matches. If matched - output from getPredictionDefinitionsMetaData

Examples

```
## Not run:
detectPredictions(pattern = "this text string to search in pattern",
                  baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

existsCharacterizationName

Check if Characterization definition name exists. **Stable**

Description

Check if Characterization definition name exists. **Stable**

Usage

```
existsCharacterizationName(characterizationName, baseUrl)
```

Arguments

characterizationName

A string name for the Characterization to be checked.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Check if a string name already exists in the WebApi as a Characterization definition name.

Value

If found, the function will return a tibble with details of the specification. If not found, FALSE will
be returned.

Examples

```
## Not run:
existsCharacterizationName(characterizationName = "this text string needs to be checked",
                           baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

existsCohortName *Check if Cohort definition name exists.* **Stable**

Description

Check if Cohort definition name exists. **Stable**

Usage

```
existsCohortName(cohortName, baseUrl)
```

Arguments

cohortName A string name for the Cohort to be checked.

baseUrl The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Check if a string name already exists in the WebApi as a Cohort definition name.

Value

If found, the function will return a tibble with details of the specification. If not found, FALSE will be returned.

Examples

```
## Not run:
existsCohortName(cohortName = "this text string needs to be checked",
                 baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

existsConceptSetName *Check if ConceptSet definition name exists.* **Stable**

Description

Check if ConceptSet definition name exists. **Stable**

Usage

```
existsConceptSetName(conceptSetName, baseUrl)
```

Arguments

conceptSetName A string name for the ConceptSet to be checked.

baseUrl The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Check if a string name already exists in the WebApi as a ConceptSet definition name.

Value

If found, the function will return a tibble with details of the specification. If not found, FALSE will be returned.

Examples

```
## Not run:
existsConceptSetName(conceptSetName = "this text string needs to be checked",
                     baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

existsEstimationName　　　*Check if Estimation definition name exists.* **Stable**

Description

Check if Estimation definition name exists. **Stable**

Usage

```
existsEstimationName(estimationName, baseUrl)
```

Arguments

estimationName	A string name for the Estimation to be checked.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Check if a string name already exists in the WebApi as a Estimation definition name.

Value

If found, the function will return a tibble with details of the specification. If not found, FALSE will be returned.

Examples

```
## Not run:
existsEstimationName(estimationName = "this text string needs to be checked",
                     baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

existsIncidenceRateName

Check if IncidenceRate definition name exists. **Stable**

Description

Check if IncidenceRate definition name exists. **Stable**

Usage

```
existsIncidenceRateName(incidenceRateName, baseUrl)
```

Arguments

incidenceRateName

A string name for the IncidenceRate to be checked.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Check if a string name already exists in the WebApi as a IncidenceRate definition name.

Value

If found, the function will return a tibble with details of the specification. If not found, FALSE will
be returned.

Examples

```
## Not run:
existsIncidenceRateName(incidenceRateName = "this text string needs to be checked",
                        baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

existsPathwayName   *Check if Pathway definition name exists.* **Stable**

Description

Check if Pathway definition name exists. **Stable**

Usage

```
existsPathwayName(pathwayName, baseUrl)
```

Arguments

pathwayName   A string name for the Pathway to be checked.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Check if a string name already exists in the WebApi as a Pathway definition name.

Value

If found, the function will return a tibble with details of the specification. If not found, FALSE will
be returned.

Examples

```
## Not run:
existsPathwayName(pathwayName = "this text string needs to be checked",
                  baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

existsPredictionName   *Check if Prediction definition name exists.* **Stable**

Description

Check if Prediction definition name exists. **Stable**

Usage

```
existsPredictionName(predictionName, baseUrl)
```

Arguments

predictionName A string name for the Prediction to be checked.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Check if a string name already exists in the WebApi as a Prediction definition name.

Value

If found, the function will return a tibble with details of the specification. If not found, FALSE will
be returned.

Examples

```
## Not run:
existsPredictionName(predictionName = "this text string needs to be checked",
                     baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getCdmSources   *Get the data sources in the WebAPI instance* **Stable**

Description

Get the data sources in the WebAPI instance **Stable**

Usage

```
getCdmSources(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtains the data sources configured in the WebAPI instance.

Value

A data frame.

---

getCharacterizationDefinition
                              Get Characterization id definition. **Stable**

Description

Get Characterization id definition. **Stable**

Usage

```
getCharacterizationDefinition(characterizationId, baseUrl)
```

Arguments

characterizationId
                 An integer id representing the id that uniquely identifies a Characterization def-
                 inition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtain the Characterization definition from WebAPI for a given Characterization id

Value

An R object representing the Characterization definition

Examples

```
## Not run:
getCharacterizationDefinition(characterizationId = 13242,
                             baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getCharacterizationDefinitionsMetaData
                    Get the meta data for Characterization definitions. **Stable**

Description

Get the meta data for Characterization definitions. **Stable**

Usage

```
getCharacterizationDefinitionsMetaData(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the meta data of WebApi specifications such as id, name, created/modified details, hash object,
etc. from WebApi for Characterization. This function is useful to retrieve the current Characteriza-
tion specifications.

Value

A tibble of specification metadata for Characterization. Note: modifiedDate and createdDate are
returned as text/character.

Examples

```
## Not run:
getCharacterizationDefinitionsMetaData(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getCharacterizationGenerationInformation

Get generation information for Characterization id.

Description

Get generation information for Characterization id.

Usage

```
getCharacterizationGenerationInformation(characterizationId, baseUrl)
```

Arguments

characterizationId

                An integer id representing the id that uniquely identifies a Characterization definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get generation (execution) information about Characterization for a characterizationId.

Value

An R object representing the Characterization definition

Examples

```
## Not run:
getCharacterizationGenerationInformation(characterizationId = 13242,
                                         baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getCharacterizationResults

Get results for a Characterization Id.

Description

Get results for a Characterization Id.

Usage

```
getCharacterizationResults(characterizationId, baseUrl)
```

Arguments

characterizationId

> An integer id representing the id that uniquely identifies a characterization analysis definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the results for Characterization id.

Value

An R object with results.

Examples

```
## Not run:
getCharacterizationResults(characterizationId = 342, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getCohortDefinition   *Get Cohort id definition.* **Stable**

Description

Get Cohort id definition. **Stable**

Usage

```
getCohortDefinition(cohortId, baseUrl)
```

Arguments

cohortId   An integer id representing the id that uniquely identifies a Cohort definition in a
                 WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtain the Cohort definition from WebAPI for a given Cohort id

Value

An R object representing the Cohort definition

Examples

```
## Not run:
getCohortDefinition(cohortId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getCohortDefinitionExpression

(Deprecated) Get a cohort definition expression

Description

(Deprecated) Get a cohort definition expression

Usage

```
getCohortDefinitionExpression(cohortId, baseUrl)
```

Arguments

cohortId   An integer id representing the id that uniquely identifies a cohort definition in a
            WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
            Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

(Deprecated) Obtain the JSON expression from WebAPI for a given cohort id

Value

A JSON list object representing the cohort definition This function has been deprecated. As an alternative please use the following steps as in the example below: 1) cohortDefinition <- getCohortDefinition(baseUrl = baseUrl, cohortId = 15873) 2) validJsonExpression <- RJSONIO::toJSON(cohortDefinition$expression) 3) save validJsonExpression object as .txt"

Examples

```
## Not run:
# This will obtain a cohort definition's JSON expression:

getCohortDefinitionExpression(cohortId = 282, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getCohortDefinitionName

(Deprecated) Get a cohort definition's name from WebAPI

Description

(Deprecated) Get a cohort definition's name from WebAPI

Usage

```
getCohortDefinitionName(baseUrl, cohortId, formatName = FALSE)
```

Arguments

`baseUrl`	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
`cohortId`	An integer id representing the id that uniquely identifies a cohort definition in a WebApi instance.
`formatName`	Should the name be formatted to remove prefixes and underscores?

Details

(Deprecated) Obtains the name of a cohort. This function has been deprecated. As an alternative please use getCohortDefinition

Value

The name of the cohort.

---

getCohortDefinitionsMetaData

Get the meta data for Cohort definitions. **Stable**

Description

Get the meta data for Cohort definitions. **Stable**

Usage

```
getCohortDefinitionsMetaData(baseUrl)
```

Arguments

`baseUrl`	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the meta data of WebApi specifications such as id, name, created/modified details, hash object, etc. from WebApi for Cohort. This function is useful to retrieve the current Cohort specifications.

Value

A tibble of specification metadata for Cohort. Note: modifiedDate and createdDate are returned as text/character.

Examples

```
## Not run:
getCohortDefinitionsMetaData(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getCohortDefinitionSql

Get a cohort definition's SQL from WebAPI

Description

Get a cohort definition's SQL from WebAPI

Usage

```
getCohortDefinitionSql(cohortId, baseUrl, generateStats = TRUE)
```

Arguments

cohortId   An integer id representing the id that uniquely identifies a cohort definition in a
                WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

generateStats   Should the SQL include the code for generating inclusion rule statistics? Note
                that if TRUE, several additional tables are expected to exists as described in the
                details. By default this is TRUE.

Details

Obtains the template SQL of a cohort. When using generateStats = TRUE, the following ta-
bles are required to exist when executing the SQL: cohort_inclusion, cohort_inclusion_result, co-
hort_inclusion_stats, and cohort_summary_stats. Also note that the cohort_inclusion table should
be populated with the names of the rules prior to executing the cohort definition SQL.

Value

The templated SQL to generate the cohort

---

getCohortGenerationInformation

Get generation information for Cohort id.

Description

Get generation information for Cohort id.

Usage

```
getCohortGenerationInformation(cohortId, baseUrl)
```

Arguments

cohortId   An integer id representing the id that uniquely identifies a Cohort definition in a
                WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get generation (execution) information about Cohort for a cohortId.

Value

An R object representing the Cohort definition

Examples

```
## Not run:
getCohortGenerationInformation(cohortId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getCohortInclusionRulesAndCounts
Get cohort inclusion rules and person counts

Description

Get cohort inclusion rules and person counts

Usage

```
getCohortInclusionRulesAndCounts(baseUrl, cohortId, sourceKey)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
               Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

cohortId   An integer id representing the id that uniquely identifies a cohort definition in a
               WebApi instance.

sourceKey   The source key for a CDM instance in WebAPI, as defined in the Configuration
               page

Details

Obtains the inclusion rules from a cohort definition and summarizes the person counts per rule

getCohortResults   *Get results for a Cohort Id.*

Description

Get results for a Cohort Id.

Usage

```
getCohortResults(cohortId, baseUrl)
```

Arguments

cohortId   An integer id representing the id that uniquely identifies a cohort definition in a
             WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
             Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the results for Cohort id.

Value

An R object with results.

Examples

```
## Not run:
getCohortResults(cohortId = 342, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getCohortSql   *Get SQL query for Cohort definition.*

Description

Get SQL query for Cohort definition.

Usage

```
getCohortSql(cohortDefinition, baseUrl, generateStats = TRUE)
```

Arguments

cohortDefinition

> An R list object (not JSON) representing the Cohort definition. It is the output R expression object of list object from `CohortDefinition`

baseUrl
> The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

generateStats
> Should the SQL include the code for generating inclusion rule statistics? Note that if TRUE, several additional tables are expected to exists as described in the details. By default this is TRUE.

Details

Given a valid Cohort definition R-object (not JSON) this function will return the parameterized SQL in OHDSI SQL dialect. This SQL may be used along with OHDSI R-package 'SQLRender' to render/translate to target SQL dialect and parameters rendered.

Value

An R object containing the SQL for Cohort definition.

Examples

```
## Not run:
getCohortSql(CohortDefinition = (getCohortDefinition(cohortId = 13242, baseUrl = baseUrl)),
             baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getConcepts   *Get concepts* **Stable**

Description

Get concepts **Stable**

Usage

```
getConcepts(
  conceptIds,
  baseUrl,
  vocabularySourceKey = NULL,
  snakeCaseToCamelCase = TRUE
)
```

Arguments

conceptIds   A vector of concept IDs.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

vocabularySourceKey
> The source key of the Vocabulary. By default, the priority Vocabulary is used.

snakeCaseToCamelCase
> Should the column names of the result be converted to camelCase?

Value

A tibble containing information on the concepts.

Examples

```
## Not run:
conceptSet <- getConceptSet(conceptSetId = 282, baseUrl = "http://server.org:80/WebAPI")
conceptIds <- resolveConceptSet(conceptSet = conceptSet, baseUrl = "http://server.org:80/WebAPI")
concepts <- getConcepts(conceptIds = conceptIds, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getConceptSetDefinition

Get ConceptSet id definition. **Stable**

Description

Get ConceptSet id definition. **Stable**

Usage

```
getConceptSetDefinition(conceptSetId, baseUrl)
```

Arguments

conceptSetId   An integer id representing the id that uniquely identifies a ConceptSet definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtain the ConceptSet definition from WebAPI for a given ConceptSet id

Value

An R object representing the ConceptSet definition

Examples

```
## Not run:
getConceptSetDefinition(conceptSetId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getConceptSetDefinitionsMetaData

Get the meta data for ConceptSet definitions. **Stable**

Description

Get the meta data for ConceptSet definitions. **Stable**

Usage

```
getConceptSetDefinitionsMetaData(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
               Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the meta data of WebApi specifications such as id, name, created/modified details, hash object, etc. from WebApi for ConceptSet. This function is useful to retrieve the current ConceptSet specifications.

Value

A tibble of specification metadata for ConceptSet. Note: modifiedDate and createdDate are returned as text/character.

Examples

```
## Not run:
getConceptSetDefinitionsMetaData(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getDefinition   *Get the definition for an id of chosen category in WebApi.* **Stable**

Description

Get the definition for an id of chosen category in WebApi. **Stable**

Usage

```
getDefinition(id, category, baseUrl)
```

Arguments

id	An integer id representing the id that uniquely identifies a definition for the category in a WebApi instance.
category	These are the categories in WebApi. The valid string options are 'conceptSet', 'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'prediction'.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the definition for an id of chosen category in WebApi. The return object will be a R representation of the definition, that may be reconverted to JSON.

Value

An R object representing the definition

Examples

```
## Not run:
getDefinition(id = 13242, category = "cohort", baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getDefinitionsMetadata

Retrieve the meta data for WebApi definitions of a certain category
Stable

Description

Retrieve the meta data for WebApi definitions of a certain category **Stable**

Usage

```
getDefinitionsMetadata(baseUrl, category)
```

Arguments

baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
category	These are the categories in WebApi. The valid string options are 'conceptSet', 'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'prediction'.

Details

Obtains the meta data of WebApi specifications such as id, name, created/modified details, hash object, etc for a certain category. The following function categories are supported. Concept-set, Cohort-definition, Cohort-characterization, Pathway-analysis, Incidence rate (ir), estimation and prediction. This function is useful to retrieve the current specifications.

Value

A tibble of specification metadata.

Examples

```
## Not run:
getDefinitionsMetadata(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

```
getEstimationDefinition
```
Get Estimation id definition. **Stable**

Description

Get Estimation id definition. **Stable**

Usage

```
getEstimationDefinition(estimationId, baseUrl)
```

Arguments

estimationId	An integer id representing the id that uniquely identifies a Estimation definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtain the Estimation definition from WebAPI for a given Estimation id

Value

An R object representing the Estimation definition

Examples

```
## Not run:
getEstimationDefinition(estimationId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getEstimationDefinitionsMetaData

Get the meta data for Estimation definitions. **Stable**

Description

Get the meta data for Estimation definitions. **Stable**

Usage

```
getEstimationDefinitionsMetaData(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
               Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the meta data of WebApi specifications such as id, name, created/modified details, hash object, etc. from WebApi for Estimation. This function is useful to retrieve the current Estimation specifications.

Value

A tibble of specification metadata for Estimation. Note: modifiedDate and createdDate are returned as text/character.

Examples

```
## Not run:
getEstimationDefinitionsMetaData(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getGenerationInformation

Get generation information. **Stable**

Description

Get generation information. **Stable**

Usage

```
getGenerationInformation(id, category, baseUrl)
```

Arguments

id	An integer id representing the id that uniquely identifies a definition for the category in a WebApi instance.
category	The category of expression in WebApi. Only the following strings are accepted: 'cohort', 'characterization', 'pathway', 'incidenceRate'.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get generation (execution) information.

Value

An R object with the generation information.

Examples

```
## Not run:
getGenerationInformation(id = 13242,
                         category = "cohort",
                         baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getIncidenceRateDefinition

Get IncidenceRate id definition. **Stable**

Description

Get IncidenceRate id definition. **Stable**

Usage

```
getIncidenceRateDefinition(incidenceRateId, baseUrl)
```

Arguments

incidenceRateId	
	An integer id representing the id that uniquely identifies a IncidenceRate definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtain the IncidenceRate definition from WebAPI for a given IncidenceRate id

Value

An R object representing the IncidenceRate definition

Examples

```
## Not run:
getIncidenceRateDefinition(incidenceRateId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getIncidenceRateDefinitionsMetaData

Get the meta data for IncidenceRate definitions. **Stable**

Description

Get the meta data for IncidenceRate definitions. **Stable**

Usage

```
getIncidenceRateDefinitionsMetaData(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
            Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the meta data of WebApi specifications such as id, name, created/modified details, hash object,
etc. from WebApi for IncidenceRate. This function is useful to retrieve the current IncidenceRate
specifications.

Value

A tibble of specification metadata for IncidenceRate. Note: modifiedDate and createdDate are
returned as text/character.

Examples

```
## Not run:
getIncidenceRateDefinitionsMetaData(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getIncidenceRateGenerationInformation

Get generation information for IncidenceRate id.

Description

Get generation information for IncidenceRate id.

Usage

```
getIncidenceRateGenerationInformation(incidenceRateId, baseUrl)
```

Arguments

incidenceRateId

> An integer id representing the id that uniquely identifies a IncidenceRate definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get generation (execution) information about IncidenceRate for a incidenceRateId.

Value

An R object representing the IncidenceRate definition

Examples

```
## Not run:
getIncidenceRateGenerationInformation(incidenceRateId = 13242,
                                      baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getIncidenceRateResults

Get results for a IncidenceRate Id.

Description

Get results for a IncidenceRate Id.

Get results from incidence rate analysis.

Usage

```
getIncidenceRateResults(
  incidenceRateId,
  baseUrl,
  sourceKey,
  targetCohortId,
  outcomeCohortId
)

getIncidenceRateResults(
  incidenceRateId,
  baseUrl,
  sourceKey,
  targetCohortId,
  outcomeCohortId
)
```

Arguments

incidenceRateId

        The WebApi ID for incidence rate analysis.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
        Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

sourceKey   The sourceKey for the incident rate analysis.

targetCohortId The cohort id of the target cohort in the incident rate analysis.

outcomeCohortId

        The cohort id of the outcome cohort in the incidence rate analysis.

Details

Get the results for IncidenceRate id.

Given a sourceKey, targetCohortId, outcomeCohortId combinations, this function will return the results of incidence rate analysis.

Value

An R object with results.

A list with incident rate results summary, stratified results and treemap data.

Examples

```
## Not run:
getIncidenceRateResults(incidenceRateId = 342, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
## Not run:
getIncidenceRateResults(incidenceRateId = 296,
                        baseUrl = "http://server.org:80/WebAPI",
                        targetCohortId = 432423,
                        outcomeCohortId = 324,
                        sourceKey = "HCUP")

## End(Not run)
```

---

getPathwayDefinition *Get Pathway id definition.* **Stable**

Description

Get Pathway id definition. **Stable**

Usage

```
getPathwayDefinition(pathwayId, baseUrl)
```

Arguments

pathwayId   An integer id representing the id that uniquely identifies a Pathway definition in
             a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
             Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtain the Pathway definition from WebAPI for a given Pathway id

Value

An R object representing the Pathway definition

Examples

```
## Not run:
getPathwayDefinition(pathwayId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getPathwayDefinitionsMetaData
                    Get the meta data for Pathway definitions. **Stable**

Description

Get the meta data for Pathway definitions. **Stable**

Usage

```
getPathwayDefinitionsMetaData(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
             Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the meta data of WebApi specifications such as id, name, created/modified details, hash object, etc. from WebApi for Pathway. This function is useful to retrieve the current Pathway specifications.

Value

A tibble of specification metadata for Pathway. Note: modifiedDate and createdDate are returned as text/character.

Examples

```
## Not run:
getPathwayDefinitionsMetaData(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getPathwayGenerationInformation

Get generation information for Pathway id.

Description

Get generation information for Pathway id.

Usage

```
getPathwayGenerationInformation(pathwayId, baseUrl)
```

Arguments

pathwayId	An integer id representing the id that uniquely identifies a Pathway definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get generation (execution) information about Pathway for a pathwayId.

Value

An R object representing the Pathway definition

Examples

```
## Not run:
getPathwayGenerationInformation(pathwayId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getPathwayResults   *Get results for a Pathway Id.*

Description

Get results for a Pathway Id.

Usage

```
getPathwayResults(pathwayId, baseUrl)
```

Arguments

pathwayId   An integer id representing the id that uniquely identifies a pathway analysis
               definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
               Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the results for Pathway id.

Value

An R object with results.

Examples

```
## Not run:
getPathwayResults(pathwayId = 342, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getPersonProfile   *Get person profile data* **Maturing**

Description

Get person profile data **Maturing**

Usage

```
getPersonProfile(baseUrl, sourceKey, personId, indexCohortId = NULL)
```

Arguments

baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
sourceKey	The source key for a CDM instance in WebAPI, as defined in the Configuration page
personId	The personId of the person whose profile is being reviewed
indexCohortId	<OPTIONAL> Do you want to use a particular cohortId as the index cohort? If left NULL, the WebApi will identify the earliest cohort for the person by cohort start date and use it as the index cohort. WebApi uses the cohort start date of the index cohort to calculate the person's index age (ageAtIndex). WebApi will also return the relative position, in days, for each event compared to the index cohorts start date. These relative positions are useful to study the relationship of various events with respect to the index cohort start date.

Details

Get a R object with person profile data. This function may be used for visualizing a patients profile in tables or visualization.

Value

A list of tibble data frame objects corresponding to cohorts, observationPeriod, records and person.

Examples

```
## Not run:
getPersonProfile(baseUrl = "http://server.org:80/WebAPI",
                 sourceKey = "sourceKey",
                 personId = 342342)

## End(Not run)
```

---

getPredictionDefinition

Get Prediction id definition. **Stable**

Description

Get Prediction id definition. **Stable**

Usage

```
getPredictionDefinition(predictionId, baseUrl)
```

Arguments

predictionId	An integer id representing the id that uniquely identifies a Prediction definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtain the Prediction definition from WebAPI for a given Prediction id

Value

An R object representing the Prediction definition

Examples

```
## Not run:
getPredictionDefinition(predictionId = 13242, baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getPredictionDefinitionsMetaData

Get the meta data for Prediction definitions. **Stable**

Description

Get the meta data for Prediction definitions. **Stable**

Usage

```
getPredictionDefinitionsMetaData(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Get the meta data of WebApi specifications such as id, name, created/modified details, hash object, etc. from WebApi for Prediction. This function is useful to retrieve the current Prediction specifications.

Value

A tibble of specification metadata for Prediction. Note: modifiedDate and createdDate are returned as text/character.

Examples

```
## Not run:
getPredictionDefinitionsMetaData(baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getPriorityVocabularyKey

Get Priority Vocabulary Source Key **Stable**

Description

Get Priority Vocabulary Source Key **Stable**

Usage

```
getPriorityVocabularyKey(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
               Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtains the source key of the default OMOP Vocabulary in WebApi.

Value

A string.

---

getResults   *Get generation results* **Stable**

Description

Get generation results **Stable**

Usage

```
getResults(id, baseUrl, category)
```

Arguments

id   An integer id representing the id that uniquely identifies a definition for the
               category in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
               Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

category   These are the categories in WebApi. The valid string options are 'conceptSet',
               'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'predic-
               tion'.

Details

Get the results objects from WebApi for a definition of a certain category in WebApi.

Value

Returns the result objects for a given id and category from the WebApi.

Examples

```
## Not run:
getResults(id = 282, category = "cohort", baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

getSourceConcepts *Get source concepts that map to standard concepts* **Stable**

Description

Get source concepts that map to standard concepts **Stable**

Usage

```
getSourceConcepts(
  conceptIds,
  baseUrl,
  vocabularySourceKey = NULL,
  snakeCaseToCamelCase = TRUE
)
```

Arguments

conceptIds	A list of concept IDs referring to standard concepts.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
vocabularySourceKey	
	The source key of the Vocabulary. By default, the priority Vocabulary is used.
snakeCaseToCamelCase	
	Should the column names of the result be converted to camelCase?

Value

A tibble containing information on the source concepts.

Examples

```
## Not run:
conceptSet <- getConceptSetDefinition(conceptSetId = 282,
                                      baseUrl = "http://server.org:80/WebAPI")
conceptIds <- resolveConceptSet(conceptSet = conceptSet, baseUrl = "http://server.org:80/WebAPI")
sourceConcepts <- getSourceConcepts(conceptIds = conceptIds,
                                    baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

getWebApiVersion *Get the WebAPI version number* **Stable**

Description

Get the WebAPI version number **Stable**

Usage

```
getWebApiVersion(baseUrl)
```

Arguments

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Obtains the WebAPI version number.

Value

A string.

insertCohortDefinitionInPackage
Load a cohort definition and insert it into this package **Maturing**

Description

Load a cohort definition and insert it into this package **Maturing**

Usage

```
insertCohortDefinitionInPackage(
  cohortId,
  name = NULL,
  jsonFolder = "inst/cohorts",
  sqlFolder = "inst/sql/sql_server",
  baseUrl,
  generateStats = FALSE
)
```

Arguments

cohortId	An integer id representing the id that uniquely identifies a cohort definition in a WebApi instance.
name	The name that will be used for the JSON and SQL files. If not provided, the name in cohort will be used, but this may not lead to valid file names.
jsonFolder	Path to the folder where the JSON representation will be saved.
sqlFolder	Path to the folder where the SQL representation will be saved.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
generateStats	Should the SQL include the code for generating inclusion rule statistics? Note that if TRUE, several additional tables are expected to exists as described in the details.

Details

Load a cohort definition from a WebApi instance and insert it into this package. This will fetch the JSON object and store it in a folder (defaults to 'the inst/cohorts' folder), and fetch the template SQL and store it in another folder (defaults to the 'inst/sql/sql_server' folder). Both folders will be created if they don't exist. When using generateStats = TRUE, the following tables are required to exist when executing the SQL: cohort_inclusion, cohort_inclusion_result, cohort_inclusion_stats, and cohort_summary_stats. Also note that the cohort_inclusion table should be populated with the names of the rules prior to executing the cohort definition SQL. Note: generate inclusion statistics are created for all by default.

Examples

```
## Not run:
# This will create 'inst/cohorts/Angioedema.json' and 'inst/sql/sql_server/Angioedema.sql':

insertCohortDefinitionInPackage(cohortId = 282,
                                name = "Angioedema",
                                baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

insertCohortDefinitionSetInPackage
                    Insert a set of cohort definitions into package

---

Description

Insert a set of cohort definitions into package

Usage

```
insertCohortDefinitionSetInPackage(
  fileName = "inst/settings/CohortsToCreate.csv",
  baseUrl,
  jsonFolder = "inst/cohorts",
```

```
    sqlFolder = "inst/sql/sql_server",
    rFileName = "R/CreateCohorts.R",
    insertTableSql = TRUE,
    insertCohortCreationR = TRUE,
    generateStats = FALSE,
    packageName
)
```

Arguments

`fileName`	Name of a CSV file specifying the cohorts to insert. See details for the expected file format.
`baseUrl`	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
`jsonFolder`	Path to the folder where the JSON representations will be saved.
`sqlFolder`	Path to the folder where the SQL representations will be saved.
`rFileName`	Name of R file to generate when `insertCohortCreationR = TRUE`.
`insertTableSql`	Should the SQL for creating the cohort table be inserted into the package as well? This file will be called CreateCohortTable.sql.
`insertCohortCreationR`	
	Insert R code that will create the cohort table and instantiate the cohorts? This will create a file called R/CreateCohorts.R containing a function called `.createCohorts`.
`generateStats`	Should cohort inclusion rule statistics be created?
`packageName`	The name of the package (only needed when inserting the R code as well).

Details

The CSV file should have at least the following fields:

atlasId The cohort ID in ATLAS.

cohortId The cohort ID that will be used when instantiating the cohort (can be different from atlasId).

name The name to be used for the cohort. This name will be used to generate file names, so please use letters and numbers only (no spaces).

---

invokeCharacterizationGeneration
Invoke generation of Characterization id.

Description

Invoke generation of Characterization id.

Usage

```
invokeCharacterizationGeneration(characterizationId, baseUrl, sourceKey)
```

Arguments

characterizationId

An integer id representing the id that uniquely identifies a Characterization definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

sourceKey   The source key for a CDM instance in WebAPI, as defined in the Configuration
                 page

Details

Invoke the generation of Characterization id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
invokeCharacterizationGeneration(characterizationId = 13242,
                                 baseUrl = "http://server.org:80/WebAPI",
                                 sourceKey = "HCUP")

## End(Not run)
```

---

invokeCohortGeneration

Invoke generation of Cohort id.

Description

Invoke generation of Cohort id.

Usage

```
invokeCohortGeneration(cohortId, baseUrl, sourceKey)
```

Arguments

cohortId   An integer id representing the id that uniquely identifies a Cohort definition in a
                 WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                 Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

sourceKey   The source key for a CDM instance in WebAPI, as defined in the Configuration
                 page

Details

Invoke the generation of Cohort id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
invokeCohortGeneration(cohortId = 13242,
                       baseUrl = "http://server.org:80/WebAPI",
                       sourceKey = "HCUP")

## End(Not run)
```

---

invokeGeneration   *Invoke generation.* **Stable**

Description

Invoke generation. **Stable**

Usage

```
invokeGeneration(id, baseUrl, sourceKey, category)
```

Arguments

id	An integer id representing the id that uniquely identifies a definition for the category in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
sourceKey	The source key for a CDM instance in WebAPI, as defined in the Configuration page
category	These are the categories in WebApi. The valid string options are 'conceptSet', 'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'prediction'.

Details

Invoke generation (execution) information.

Value

Error message if invoke failed.

Examples

```
## Not run:
invokeGeneration(id = 13242, category = "cohort", baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

`invokeIncidenceRateGeneration`

Invoke generation of IncidenceRate id.

Description

Invoke generation of IncidenceRate id.

Usage

```
invokeIncidenceRateGeneration(incidenceRateId, baseUrl, sourceKey)
```

Arguments

incidenceRateId

An integer id representing the id that uniquely identifies a IncidenceRate definition in a WebApi instance.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

sourceKey   The source key for a CDM instance in WebAPI, as defined in the Configuration page

Details

Invoke the generation of IncidenceRate id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
invokeIncidenceRateGeneration(incidenceRateId = 13242,
                              baseUrl = "http://server.org:80/WebAPI",
                              sourceKey = "HCUP")

## End(Not run)
```

`invokePathwayGeneration`

Invoke generation of Pathway id.

Description

Invoke generation of Pathway id.

Usage

```
invokePathwayGeneration(pathwayId, baseUrl, sourceKey)
```

Arguments

pathwayId	An integer id representing the id that uniquely identifies a Pathway definition in a WebApi instance.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
sourceKey	The source key for a CDM instance in WebAPI, as defined in the Configuration page

Details

Invoke the generation of Pathway id in the WebApi.

Value

A tibble with job status information.

Examples

```
## Not run:
invokePathwayGeneration(pathwayId = 13242,
                        baseUrl = "http://server.org:80/WebAPI",
                        sourceKey = "HCUP")

## End(Not run)
```

---

isValidCharacterizationId

is Characterization id a valid definition in the WebApi. **Stable**

Description

is Characterization id a valid definition in the WebApi. **Stable**

Usage

```
isValidCharacterizationId(characterizationIds, baseUrl)
```

Arguments

characterizationIds	
	A list of integer id(s) of the Characterization to be tested for validity.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of id for a Characterization is valid. The following checks are performed. 1) checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidCharacterizationId(characterizationIds = c(13242, 3423, 34),
                          baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

isValidCohortId   *is Cohort id a valid definition in the WebApi.* **Stable**

Description

is Cohort id a valid definition in the WebApi. **Stable**

Usage

```
isValidCohortId(cohortIds, baseUrl)
```

Arguments

cohortIds	A list of integer id(s) of the Cohort to be tested for validity.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of id for a Cohort is valid. The following checks are performed. 1) checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidCohortId(cohortIds = c(13242, 3423, 34), baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

isValidConceptSetId   *is ConceptSet id a valid definition in the WebApi.* **Stable**

Description

is ConceptSet id a valid definition in the WebApi. **Stable**

Usage

```
isValidConceptSetId(conceptSetIds, baseUrl)
```

Arguments

conceptSetIds	A list of integer id(s) of the ConceptSet to be tested for validity.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of id for a ConceptSet is valid. The following checks are performed. 1) checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidConceptSetId(conceptSetIds = c(13242, 3423, 34), baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

isValidEstimationId   *is Estimation id a valid definition in the WebApi.* **Stable**

Description

is Estimation id a valid definition in the WebApi. **Stable**

Usage

```
isValidEstimationId(estimationIds, baseUrl)
```

Arguments

estimationIds	A list of integer id(s) of the Estimation to be tested for validity.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of id for a Estimation is valid. The following checks are performed. 1) checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidEstimationId(estimationIds = c(13242, 3423, 34), baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

isValidId   *Check if an id is valid.* **Stable**

Description

Check if an id is valid. **Stable**

Usage

```
isValidId(ids, baseUrl, category)
```

Arguments

ids	A list of integer id(s) of the category to be tested for validity.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
category	These are the categories in WebApi. The valid string options are 'conceptSet', 'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'prediction'.

Details

Checks if a set of id for a category is valid, i.e. checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidId(ids = c(13242, 3423, 34), baseUrl = "http://server.org:80/WebAPI", category = "cohort")

## End(Not run)
```

isValidIncidenceRateId

is IncidenceRate id a valid definition in the WebApi. **Stable**

Description

is IncidenceRate id a valid definition in the WebApi. **Stable**

Usage

```
isValidIncidenceRateId(incidenceRateIds, baseUrl)
```

Arguments

incidenceRateIds
    A list of integer id(s) of the IncidenceRate to be tested for validity.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of id for a IncidenceRate is valid. The following checks are performed. 1) checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidIncidenceRateId(incidenceRateIds = c(13242, 3423, 34),
                       baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

isValidPathwayId   *is Pathway id a valid definition in the WebApi.* **Stable**

Description

is Pathway id a valid definition in the WebApi. **Stable**

Usage

```
isValidPathwayId(pathwayIds, baseUrl)
```

Arguments

pathwayIds	A list of integer id(s) of the Pathway to be tested for validity.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of id for a Pathway is valid. The following checks are performed. 1) checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidPathwayId(pathwayIds = c(13242, 3423, 34), baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

isValidPredictionId   *is Prediction id a valid definition in the WebApi.* **Stable**

Description

is Prediction id a valid definition in the WebApi. **Stable**

Usage

```
isValidPredictionId(predictionIds, baseUrl)
```

Arguments

predictionIds	A list of integer id(s) of the Prediction to be tested for validity.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of id for a Prediction is valid. The following checks are performed. 1) checks if all the ids exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidPredictionId(predictionIds = c(13242, 3423, 34), baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

isValidSourceKey *Check if source key is valid.* **Stable**

Description

Check if source key is valid. **Stable**

Usage

```
isValidSourceKey(sourceKeys, baseUrl)
```

Arguments

sourceKeys	The source key(s) for a CDM instance in WebAPI, as defined in the Configuration page.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Checks if a set of sourceKey(s) are valid, i.e. checks if all the sourceKey(s) exists in the WebApi i.e. valid.

Value

A logical vector indicating if an ID is valid.

Examples

```
## Not run:
isValidSourceKey(sourceKeys = c("HCUP", "CCA"),
                 baseUrl = "http://server.org:80/WebAPI",
                 category = "cohort")

## End(Not run)
```

---

postCharacterizationDefinition

Post Characterization definition. **Maturing**

Description

Post Characterization definition. **Maturing**

Usage

```
postCharacterizationDefinition(name, CharacterizationDefinition, baseUrl)
```

Arguments

name	A valid name for the definition. WebApi will use this name (if valid) as the name of the definition. WebApi checks for validity, such as uniqueness, absence of unacceptable character etc. An error might be thrown.
CharacterizationDefinition	
	An R list object containing the expression for the specification. This will be converted to JSON expression by function and posted into the WebApi. Note: only limited checks are performed in R to check the validity of this expression.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Post Characterization definition to WebAPI

Value

This function will return a dataframe object with one row describing the posted WebApi expression and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
postCharacterizationDefinition(name = "new valid name",
                              CharacterizationDefinition = definition,
                              baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

postCohortDefinition   *Post Cohort definition.* **Maturing**

Description

Post Cohort definition. **Maturing**

Usage

```
postCohortDefinition(name, CohortDefinition, baseUrl)
```

Arguments

name	A valid name for the definition. WebApi will use this name (if valid) as the name of the definition. WebApi checks for validity, such as uniqueness, absence of unacceptable character etc. An error might be thrown.
CohortDefinition	
	An R list object containing the expression for the specification. This will be converted to JSON expression by function and posted into the WebApi. Note: only limited checks are performed in R to check the validity of this expression.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Post Cohort definition to WebAPI

Value

This function will return a dataframe object with one row describing the posted WebApi expression and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
postCohortDefinition(name = "new valid name",
                     CohortDefinition = definition,
                     baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

postConceptSetDefinition

Post ConceptSet definition. **Maturing**

Description

Post ConceptSet definition. **Maturing**

Usage

```
postConceptSetDefinition(name, ConceptSetDefinition, baseUrl)
```

Arguments

name	A valid name for the definition. WebApi will use this name (if valid) as the name of the definition. WebApi checks for validity, such as uniqueness, absence of unacceptable character etc. An error might be thrown.
ConceptSetDefinition	
	An R list object containing the expression for the specification. This will be converted to JSON expression by function and posted into the WebApi. Note: only limited checks are performed in R to check the validity of this expression.
baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Post ConceptSet definition to WebAPI

Value

This function will return a dataframe object with one row describing the posted WebApi expression and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
postConceptSetDefinition(name = "new valid name",
                         ConceptSetDefinition = definition,
                         baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

postDefinition   *Post a definition into WebApi* **Maturing**

Description

Post a definition into WebApi **Maturing**

Usage

```
postDefinition(baseUrl, name, category, definition)
```

Arguments

baseUrl	The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.
name	A valid name for the definition. WebApi will use this name (if valid) as the name of the definition. WebApi checks for validity, such as uniqueness, absence of unacceptable character etc. An error might be thrown.
category	These are the categories in WebApi. The valid string options are 'conceptSet', 'cohort', 'characterization', 'pathway, 'incidenceRate', 'estimation', 'prediction'.
definition	An R list object containing the expression for the specification. This will be converted to JSON expression by function and posted into the WebApi. Note: only limited checks are performed in R to check the validity of this expression.

Details

Post a definition into WebAPI. Currently only cohort and concept-set are supported.

Value

This function will return a dataframe object with one row describing the posted WebApi expression and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
definition <- getCohortDefinition(baseUrl = baseUrl, cohortId = 15873)
postDefinition(name = "new name for expression in sdaddaddd",
               baseUrl = "http://server.org:80/WebAPI",
               expression = definition,
               category = "cohort")

## End(Not run)
```

postEstimationDefinition

Post Estimation definition. **Maturing**

Description

Post Estimation definition. **Maturing**

Usage

```
postEstimationDefinition(name, EstimationDefinition, baseUrl)
```

Arguments

name
: A valid name for the definition. WebApi will use this name (if valid) as the name of the definition. WebApi checks for validity, such as uniqueness, absence of unacceptable character etc. An error might be thrown.

EstimationDefinition
: An R list object containing the expression for the specification. This will be converted to JSON expression by function and posted into the WebApi. Note: only limited checks are performed in R to check the validity of this expression.

baseUrl
: The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Post Estimation definition to WebAPI

Value

This function will return a dataframe object with one row describing the posted WebApi expression and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
postEstimationDefinition(name = "new valid name",
                         EstimationDefinition = definition,
                         baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

postIncidenceRateDefinition

Post IncidenceRate definition. **Maturing**

Description

Post IncidenceRate definition. **Maturing**

Usage

```
postIncidenceRateDefinition(name, IncidenceRateDefinition, baseUrl)
```

Arguments

name   A valid name for the definition. WebApi will use this name (if valid) as the name of the definition. WebApi checks for validity, such as uniqueness, absence of unacceptable character etc. An error might be thrown.

IncidenceRateDefinition
                        An R list object containing the expression for the specification. This will be converted to JSON expression by function and posted into the WebApi. Note: only limited checks are performed in R to check the validity of this expression.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Post IncidenceRate definition to WebAPI

Value

This function will return a dataframe object with one row describing the posted WebApi expression and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
postIncidenceRateDefinition(name = "new valid name",
                            IncidenceRateDefinition = definition,
                            baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

postPathwayDefinition   *Post Pathway definition.* **Maturing**

Description

Post Pathway definition. **Maturing**

Usage

```
postPathwayDefinition(name, PathwayDefinition, baseUrl)
```

Arguments

name
: A valid name for the definition. WebApi will use this name (if valid) as the name of the definition. WebApi checks for validity, such as uniqueness, absence of unacceptable character etc. An error might be thrown.

PathwayDefinition
: An R list object containing the expression for the specification. This will be converted to JSON expression by function and posted into the WebApi. Note: only limited checks are performed in R to check the validity of this expression.

baseUrl
: The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI". Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Post Pathway definition to WebAPI

Value

This function will return a dataframe object with one row describing the posted WebApi expression and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
postPathwayDefinition(name = "new valid name",
                      PathwayDefinition = definition,
                      baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

---

postPredictionDefinition

Post Prediction definition. **Maturing**

Description

Post Prediction definition. **Maturing**

Usage

```
postPredictionDefinition(name, PredictionDefinition, baseUrl)
```

Arguments

name   A valid name for the definition. WebApi will use this name (if valid) as the
                    name of the definition. WebApi checks for validity, such as uniqueness, absence
                    of unacceptable character etc. An error might be thrown.

PredictionDefinition
                    An R list object containing the expression for the specification. This will be
                    converted to JSON expression by function and posted into the WebApi. Note:
                    only limited checks are performed in R to check the validity of this expression.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
                    Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

Details

Post Prediction definition to WebAPI

Value

This function will return a dataframe object with one row describing the posted WebApi expression
and its details. If unsuccessful a STOP message will be shown.

Examples

```
## Not run:
postPredictionDefinition(name = "new valid name",
                         PredictionDefinition = definition,
                         baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

resolveConceptSet   *Resolve a concept set to the included standard concept IDs* **Stable**

Description

Resolve a concept set to the included standard concept IDs **Stable**

Usage

```
resolveConceptSet(conceptSetDefinition, baseUrl, vocabularySourceKey = NULL)
```

Arguments

conceptSetDefinition

      A concept set definition, for example as obtained through the [getConceptSetDefinition](#)
      function, or taken from a cohort definition.

baseUrl   The base URL for the WebApi instance, for example: "http://server.org:80/WebAPI".
      Note, there is no trailing '/'. If trailing '/' is used, you may receive an error.

vocabularySourceKey

      The source key of the Vocabulary. By default, the priority Vocabulary is used.

Details

Resolve a concept set to the included standard concept IDs

Value

A vector of standard concept ids.

Examples

```
## Not run:
conceptSetDefinition <- getConceptSetDefinition(conceptSetId = 282,
                                                baseUrl = "http://server.org:80/WebAPI")
conceptIds <- resolveConceptSet(conceptSetDefinition = conceptSetDefinition,
                                baseUrl = "http://server.org:80/WebAPI")

## End(Not run)
```

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