

Package ‘OhdsiShinyModules’

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Type Package

Title Repository of Shiny Modules for OHDSI Result Viewers

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Description Install this package to access useful shiny modules for building shiny apps to explore results using the OHDSI tools .

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Depends R (>= 3.3.0)

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CirceR,
cowplot,
DatabaseConnector,
dplyr,
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ggplot2,
gridExtra,
htmltools,
lubridate,
methods,
ParallelLogger,
plotly,
purrr,
reactable,
readr,
RJSONIO,
rlang,
rmarkdown,
scales,
shiny,
shinycssloaders,
shinydashboard,

shinyWidgets,
 SqlRender,
 stringi,
 stringr,
 tibble,
 tidyr,
 tidyselect,
 tippy,
 RColorBrewer,
 markdown

Suggests kableExtra,
 knitr,
 ResultModelManager,
 RSQLite,
 testthat,
 withr

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 ohdsi/ResultModelManager

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aboutHelperFile

The location of the about module helper file

Description

The location of the about module helper file

Usage

aboutHelperFile()

Details

Returns the location of the about helper file

Value

string location of the about helper file

aboutServer	<i>The module server for the shiny app home</i>
-------------	---

Description

The module server for the shiny app home

Usage

```
aboutServer(  
  id = "homepage",  
  connectionHandler = NULL,  
  resultDatabaseSettings = NULL  
)
```

Arguments

id	the unique reference id for the module
connectionHandler	a connection to the database with the results
resultDatabaseSettings	a list containing the characterization result schema, dbms, tablePrefix, databaseTable and cgTablePrefix

Details

The user specifies the id for the module

Value

The server for the shiny app home

aboutViewer	<i>The module viewer for the shiny app home</i>
-------------	---

Description

The module viewer for the shiny app home

Usage

```
aboutViewer(id = "homepage")
```

Arguments

id	the unique reference id for the module
----	--

Details

The user specifies the id for the module

Value

The user interface to the home page module

characterizationAggregateFeaturesServer

The module server for exploring aggregate features results

Description

The module server for exploring aggregate features results

Usage

```
characterizationAggregateFeaturesServer(
    id,
    connectionHandler,
    resultDatabaseSettings
)
```

Arguments

`id` the unique reference id for the module

`connectionHandler` the connection to the prediction result database

`resultDatabaseSettings` a list containing the characterization result schema, dbms, tablePrefix, databaseTable and cgTablePrefix

Details

The user specifies the id for the module

Value

The server to the description aggregate features module

characterizationAggregateFeaturesViewer

The module viewer for exploring aggregate feature results

Description

The module viewer for exploring aggregate feature results

Usage

```
characterizationAggregateFeaturesViewer(id)
```

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the description aggregate feature module

characterizationDechallengeRechallengeServer

The module server for exploring Dechallenge Rechallenge results

Description

The module server for exploring Dechallenge Rechallenge results

Usage

```
characterizationDechallengeRechallengeServer(
  id,
  connectionHandler,
  resultDatabaseSettings
)
```

Arguments

id the unique reference id for the module

connectionHandler

the connection to the prediction result database

resultDatabaseSettings

a list containing the characterization result schema, dbms, tablePrefix, databaseTable and cgTablePrefix

Details

The user specifies the id for the module

Value

The server to the Dechallenge Rechallenge module

characterizationDechallengeRechallengeViewer

The module viewer for exploring Dechallenge Rechallenge results

Description

The module viewer for exploring Dechallenge Rechallenge results

Usage

characterizationDechallengeRechallengeViewer(id)

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the description Dechallenge Rechallenge module

characterizationHelperFile

The location of the characterization module helper file

Description

The location of the characterization module helper file

Usage

characterizationHelperFile()

Details

Returns the location of the characterization helper file

Value

string location of the characterization helper file

characterizationIncidenceServer

The module server for exploring incidence results

Description

The module server for exploring incidence results

Usage

characterizationIncidenceServer(id, connectionHandler, resultDatabaseSettings)

Arguments

id	the unique reference id for the module
connectionHandler	the connection to the prediction result database
resultDatabaseSettings	a list containing the characterization result schema, dbms, tablePrefix, databaseTable and cgTablePrefix

Details

The user specifies the id for the module

Value

The server to the prediction incidence module

characterizationIncidenceViewer

The module viewer for exploring incidence results

Description

The module viewer for exploring incidence results

Usage

characterizationIncidenceViewer(id)

Arguments

id	the unique reference id for the module
----	--

Details

The user specifies the id for the module

Value

The user interface to the description incidence module

characterizationServer

The module server for exploring characterization studies

Description

The module server for exploring characterization studies

Usage

```
characterizationServer(  
  id,  
  connectionHandler,  
  resultDatabaseSettings = list(port = 1)  
)
```

Arguments

`id` the unique reference id for the module
`connectionHandler` a connection to the database with the results
`resultDatabaseSettings` a list containing the characterization result schema, dbms, tablePrefix, databaseTable and cgTablePrefix

Details

The user specifies the id for the module

Value

The server for the characterization module

characterizationTableServer

The module server for exploring 1 or more cohorts features

Description

The module server for exploring 1 or more cohorts features

Usage

```
characterizationTableServer(id, connectionHandler, resultDatabaseSettings)
```

Arguments

id	the unique reference id for the module
connectionHandler	the connection to the prediction result database
resultDatabaseSettings	a list containing the characterization result schema, dbms, tablePrefix, databaseTable and cgTablePrefix

Details

The user specifies the id for the module

Value

The server to the cohorts features server

characterizationTableView

The module viewer for exploring 1 or more cohorts features

Description

The module viewer for exploring 1 or more cohorts features

Usage

characterizationTableView(id)

Arguments

id	the unique reference id for the module
----	--

Details

The user specifies the id for the module

Value

The user interface to the description cohorts features

`characterizationTimeToEventServer`*The module server for exploring time to event results*

Description

The module server for exploring time to event results

Usage

```
characterizationTimeToEventServer(  
    id,  
    connectionHandler,  
    resultDatabaseSettings  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>connectionHandler</code>	the connection to the prediction result database
<code>resultDatabaseSettings</code>	a list containing the characterization result schema, dbms, tablePrefix, databaseTable and cgTablePrefix

Details

The user specifies the id for the module

Value

The server to the prediction time to event module

`characterizationTimeToEventViewer`*The module viewer for exploring time to event results*

Description

The module viewer for exploring time to event results

Usage

```
characterizationTimeToEventViewer(id)
```

Arguments

<code>id</code>	the unique reference id for the module
-----------------	--

Details

The user specifies the id for the module

Value

The user interface to the characterization time to event module

characterizationViewer

The module viewer for exploring characterization studies

Description

The module viewer for exploring characterization studies

Usage

```
characterizationViewer(id = 1)
```

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the characterization viewer module

cohortCountsModule

Shiny module for cohort counts

Description

Shiny module for cohort counts. Displays reactable table of cohort counts

Usage

```
cohortCountsModule(
  id,
  dataSource,
  cohortTable = dataSource$cohortTable,
  databaseTable = dataSource$dbTable,
  selectedCohorts,
  selectedDatabaseIds,
  cohortIds
)
```

Arguments

id	namespace id
dataSource	Backend Data source (DatabaseConnection)
cohortTable	data.frame of all cohorts
databaseTable	data.frame of all databases
selectedCohorts	shiny::reactive - should return cohorts selected or NULL
selectedDatabaseIds	shiny::reactive - should return cohorts selected or NULL
cohortIds	shiny::reactive - should return cohorts selected integers or NULL

cohortCountsView	<i>Cohort Counts View</i>
------------------	---------------------------

Description

Shiny view for cohort counts module

Usage

```
cohortCountsView(id)
```

Arguments

id	Namespace id
----	--------------

cohortDefinitionsModule	<i>Cohort Definition module</i>
-------------------------	---------------------------------

Description

cohort defintion conceptsets, json etc

Usage

```
cohortDefinitionsModule(
  id,
  dataSource,
  cohortDefinitions,
  cohortTable = dataSource$cohortTable,
  cohortCountTable = dataSource$cohortCountTable,
  databaseTable = dataSource$dbTable
)
```

Arguments

id	Namespace id
dataSource	DatabaseConnection
cohortDefinitions	reactive of cohort definitions to display
cohortTable	data.frame of cohorts, cohortId, cohortName
cohortCountTable	data.frame of cohortCounts, cohortId, subjects records
databaseTable	data.frame of databases, databaseId, name

cohortDefinitionsView *Cohort Definitions View*

Description

Outputs cohort definitions

Usage

cohortDefinitionsView(id)

Arguments

id	Namespace id for module
----	-------------------------

cohortDiagCharacterizationView
characterization

Description

Use for customizing UI

Usage

cohortDiagCharacterizationView(id)

Arguments

id	Namespace Id - use namespaced id ns("characterization") inside diagnosticsExplorer module
----	---

cohortDiagnosticsHelperFile

The location of the description module helper file

Description

The location of the description module helper file

Usage

```
cohortDiagnosticsHelperFile()
```

Details

Returns the location of the description helper file

Value

string location of the description helper file

cohortDiagnosticsServer

Cohort Diagnostics Explorer main module

Description

Cohort Diagnostics Explorer main module

Usage

```
cohortDiagnosticsServer(
    id,
    connectionHandler,
    resultDatabaseSettings,
    dataSource = NULL
)
```

Arguments

id	module Id
connectionHandler	ResultModelManager ConnectionHandler instance
resultDatabaseSettings	results database settings
dataSource	dataSource optionally created with createCdDatabaseDataSource

cohortDiagnosticsView *View for cohort diagnostics module*

Description

View for cohort diagnostics module

Usage

```
cohortDiagnosticsView(id = "DiagnosticsExplorer")
```

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the cohort diagnostics viewer module

cohortGeneratorHelperFile
The location of the cohort-generator module helper file

Description

The location of the cohort-generator module helper file

Usage

```
cohortGeneratorHelperFile()
```

Details

Returns the location of the cohort-generator helper file

Value

string location of the cohort-generator helper file

cohortGeneratorServer *The module server for the main cohort generator module*

Description

The module server for the main cohort generator module

Usage

```
cohortGeneratorServer(id, connectionHandler, resultDatabaseSettings)
```

Arguments

id	the unique reference id for the module
connectionHandler	a connection to the database with the results
resultDatabaseSettings	a named list containing the cohort generator results database details (schema, table prefix)

Value

the cohort generator results viewer main module server

cohortGeneratorViewer *The viewer of the main cohort generator module*

Description

The viewer of the main cohort generator module

Usage

```
cohortGeneratorViewer(id)
```

Arguments

id	the unique reference id for the module
----	--

Value

The user interface to the cohort generator results viewer

`cohortMethodAttritionServer`*The module server for rendering the PLE attrition results*

Description

The module server for rendering the PLE attrition results

Usage

```
cohortMethodAttritionServer(  
    id,  
    selectedRow,  
    connectionHandler,  
    resultDatabaseSettings  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>selectedRow</code>	the selected row from the main results table
<code>connectionHandler</code>	the connection to the PLE results database
<code>resultDatabaseSettings</code>	a list containing the result schema and prefixes

Value

the PLE attrition results content server

`cohortMethodAttritionViewer`*The module viewer for rendering the PLE attrition results*

Description

The module viewer for rendering the PLE attrition results

Usage

```
cohortMethodAttritionViewer(id)
```

Arguments

<code>id</code>	the unique reference id for the module
-----------------	--

Value

The user interface to the cohort method attrition

cohortMethodCovariateBalanceServer

The module server for rendering the covariate balance plot

Description

The module server for rendering the covariate balance plot

Usage

```
cohortMethodCovariateBalanceServer(  
  id,  
  selectedRow,  
  connectionHandler,  
  resultDatabaseSettings,  
  metaAnalysisDbIds = NULL  
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
connectionHandler	the connection to the PLE results database
resultDatabaseSettings	a list containing the result schema and prefixes
metaAnalysisDbIds	metaAnalysisDbIds

Value

the PLE covariate balance content server

cohortMethodCovariateBalanceViewer

The module viewer for rendering the PLE covariate balance analysis

Description

The module viewer for rendering the PLE covariate balance analysis

Usage

```
cohortMethodCovariateBalanceViewer(id)
```

Arguments

id	the unique reference id for the module
----	--

Value

The user interface to the cohort method covariate balance results

`cohortMethodDiagnosticsSummaryServer`*The module server for rendering the PLE diagnostics summary*

Description

The module server for rendering the PLE diagnostics summary

Usage

```
cohortMethodDiagnosticsSummaryServer(  
    id,  
    connectionHandler,  
    resultDatabaseSettings,  
    inputSelected  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>connectionHandler</code>	the connection to the PLE results database
<code>resultDatabaseSettings</code>	a list containing the result schema and prefixes
<code>inputSelected</code>	The target id, comparator id, outcome id and analysis id selected by the user

Value

the PLE diagnostics summary results

`cohortMethodDiagnosticsSummaryViewer`*The module viewer for rendering the PLE diagnostics results*

Description

The module viewer for rendering the PLE diagnostics results

Usage

```
cohortMethodDiagnosticsSummaryViewer(id)
```

Arguments

<code>id</code>	the unique reference id for the module
-----------------	--

Value

The user interface to the cohort method diagnostics viewer

cohortMethodHelperFile

The location of the cohort method module helper file

Description

The location of the cohort method module helper file

Usage

cohortMethodHelperFile()

Details

Returns the location of the cohort method helper file

Value

string location of the cohort method helper file

cohortMethodKaplanMeierServer

The module server for rendering the Kaplan Meier curve

Description

The module server for rendering the Kaplan Meier curve

Usage

```
cohortMethodKaplanMeierServer(
  id,
  selectedRow,
  connectionHandler,
  resultDatabaseSettings
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
connectionHandler	the connection to the PLE results database
resultDatabaseSettings	a list containing the result schema and prefixes

Value

the PLE Kaplan Meier content server

`cohortMethodKaplanMeierViewer`*The module viewer for rendering the PLE Kaplan Meier curve*

Description

The module viewer for rendering the PLE Kaplan Meier curve

Usage

```
cohortMethodKaplanMeierViewer(id)
```

Arguments

`id` the unique reference id for the module

Value

The module viewer for Kaplan Meier objects

`cohortMethodPopulationCharacteristicsServer`*The module server for rendering the population characteristics*

Description

The module server for rendering the population characteristics

Usage

```
cohortMethodPopulationCharacteristicsServer(  
  id,  
  selectedRow,  
  connectionHandler,  
  resultDatabaseSettings  
)
```

Arguments

`id` the unique reference id for the module
`selectedRow` the selected row from the main results table
`connectionHandler` the connection to the PLE results database
`resultDatabaseSettings` a list containing the result schema and prefixes

Value

the PLE population characteristics content server

cohortMethodPopulationCharacteristicsViewer

The module viewer for rendering the PLE population characteristics

Description

The module viewer for rendering the PLE population characteristics

Usage

```
cohortMethodPopulationCharacteristicsViewer(id)
```

Arguments

id the unique reference id for the module

Value

The user interface to the cohort method population characteristics objects

cohortMethodPowerServer

The module server for rendering the PLE power analysis results

Description

The module server for rendering the PLE power analysis results

Usage

```
cohortMethodPowerServer(  
  id,  
  selectedRow,  
  connectionHandler,  
  resultDatabaseSettings  
)
```

Arguments

id the unique reference id for the module
selectedRow the selected row from the main results table
connectionHandler the connection to the PLE results database
resultDatabaseSettings a list containing the result schema and prefixes

Value

the PLE systematic error power server

`cohortMethodPowerViewer`*The module viewer for rendering the PLE power analysis*

Description

The module viewer for rendering the PLE power analysis

Usage

```
cohortMethodPowerViewer(id)
```

Arguments

`id` the unique reference id for the module

Value

The user interface to the cohort method power calculation results

`cohortMethodPropensityModelServer`*The module server for rendering the propensity score model*

Description

The module server for rendering the propensity score model

Usage

```
cohortMethodPropensityModelServer(  
  id,  
  selectedRow,  
  connectionHandler,  
  resultDatabaseSettings  
)
```

Arguments

`id` the unique reference id for the module
`selectedRow` the selected row from the main results table
`connectionHandler` the connection to the PLE results database
`resultDatabaseSettings` a list containing the result schema and prefixes

Value

the PLE propensity score model

cohortMethodPropensityModelViewer

The module viewer for rendering the PLE propensity score model covariates/coefficients

Description

The module viewer for rendering the PLE propensity score model covariates/coefficients

Usage

```
cohortMethodPropensityModelViewer(id)
```

Arguments

id the unique reference id for the module

Value

The user interface to the cohort method propensity score model covariates/coefficients

cohortMethodPropensityScoreDistServer

The module server for rendering a PLE propensity score distribution

Description

The module server for rendering a PLE propensity score distribution

Usage

```
cohortMethodPropensityScoreDistServer(
  id,
  selectedRow,
  connectionHandler,
  resultDatabaseSettings,
  metaAnalysisDbIds = F
)
```

Arguments

id the unique reference id for the module

selectedRow the selected row from the main results table

connectionHandler the connection to the PLE results database

resultDatabaseSettings a list containing the result schema and prefixes

metaAnalysisDbIds metaAnalysisDbIds

Value

the PLE propensity score distribution content server

cohortMethodPropensityScoreDistViewer

The module viewer for rendering the propensity score distribution

Description

The module viewer for rendering the propensity score distribution

Usage

cohortMethodPropensityScoreDistViewer(id)

Arguments

id the unique reference id for the module

Value

The user interface to the cohort method propensity score distribution

cohortMethodResultSummaryServer

The module server for rendering the PLE diagnostics summary

Description

The module server for rendering the PLE diagnostics summary

Usage

```
cohortMethodResultSummaryServer(
  id,
  connectionHandler,
  resultDatabaseSettings,
  inputSelected
)
```

Arguments

id the unique reference id for the module

connectionHandler the connection to the PLE results database

resultDatabaseSettings a list containing the result schema and prefixes

inputSelected The target id, comparator id, outcome id and analysis id selected by the user

Value

the PLE diagnostics summary results

cohortMethodResultSummaryViewer

The module viewer for rendering the cohort method results

Description

The module viewer for rendering the cohort method results

Usage

cohortMethodResultSummaryViewer(id)

Arguments

id the unique reference id for the module

Value

The user interface to the cohort method diagnostics viewer

cohortMethodServer

The module server for the main cohort method module

Description

The module server for the main cohort method module

Usage

cohortMethodServer(id, connectionHandler, resultDatabaseSettings)

Arguments

id the unique reference id for the module
connectionHandler a connection to the database with the results
resultDatabaseSettings a named list containing the PLE results database connection details

Value

the PLE results viewer main module server

`cohortMethodSystematicErrorServer`*The module server for rendering the systematic error objects*

Description

The module server for rendering the systematic error objects

Usage

```
cohortMethodSystematicErrorServer(  
    id,  
    selectedRow,  
    connectionHandler,  
    resultDatabaseSettings  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>selectedRow</code>	the selected row from the main results table
<code>connectionHandler</code>	the connection handler to the result databases
<code>resultDatabaseSettings</code>	a list containing the result schema and prefixes

Value

the PLE systematic error content server

`cohortMethodSystematicErrorViewer`*The module viewer for rendering the PLE systematic error objects*

Description

The module viewer for rendering the PLE systematic error objects

Usage

```
cohortMethodSystematicErrorViewer(id)
```

Arguments

<code>id</code>	the unique reference id for the module
-----------------	--

Value

The user interface to the cohort method systematic error module

cohortMethodViewer	<i>The viewer of the main cohort method module</i>
--------------------	--

Description

The viewer of the main cohort method module

Usage

```
cohortMethodViewer(id)
```

Arguments

id	the unique reference id for the module
----	--

Value

The user interface to the cohort method results viewer

cohortOverlapView	<i>Cohort Overlap View</i>
-------------------	----------------------------

Description

Use for customizing UI

Usage

```
cohortOverlapView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("cohortOverlap") inside diagnosticsExplorer module
----	--

compareCohortCharacterizationView
<i>compare characterization view</i>

Description

Use for customizing UI

Usage

```
compareCohortCharacterizationView(  
    id,  
    title = "Compare cohort characterization"  
)
```

Arguments

id	Namespace Id - use namespaced id ns("compareCohortCharacterization") inside diagnosticsExplorer module
title	Optional string title field

conceptsInDataSourceView
<i>concepts In DataSource View</i>

Description

Use for customizing UI

Usage

```
conceptsInDataSourceView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("conceptsInDataSource") inside diagnosticsExplorer module
----	---

```
createCdDatabaseDataSource
```

Create a CD data source from a database

Description

use this to create an interface to cohort diagnostics results data NOTE: I think this would make a good R6 class for other objects in this package so you could query them outside of a shiny app. E.g. if you wanted to make a custom R markdown template

Usage

```
createCdDatabaseDataSource(
  connectionHandler,
  resultDatabaseSettings,
  dataModelSpecificationsPath = system.file("cohort-diagnostics-ref",
    "resultsDataModelSpecification.csv", package = utils::packageName()),
  dataMigrationsRef = system.file("cohort-diagnostics-ref", "migrations.csv", package =
    utils::packageName()),
  displayProgress = FALSE
)
```

Arguments

connectionHandler
An instance of a ResultModelManager::connectionHandler - manages a connection to a database.

resultDatabaseSettings
a list containing the result schema and prefixes

dataModelSpecificationsPath
The path to a file containing specifications for the data model used by the database.

dataMigrationsRef
The path to a file listing all migrations for the data model that should have been applied

displayProgress
display a progress message (can only be used inside a shiny reactive context)

Value

An object of class 'CdDataSource'.

```
createCustomColDefList
```

Creating a list of custom column definitions for use in reactables

Description

Creating a list of custom column definitions for use in reactables

Usage

```
createCustomColDefList(
  rawColNames,
  niceColNames = NULL,
  tooltipText = NULL,
  case = NULL,
  customColDefOptions = NULL
)
```

Arguments

rawColNames	The raw column names taken directly from the source data table that are to be overwritten in the reactable
niceColNames	The formatted column names that will appear as-specified in the reactable
tooltipText	The text to be displayed in a toolTip when hovering over the column in the reactable
case	Optional argument to convert raw column names to snake or camel case. Defaults to NULL and preserves whatever raw column names are passed in
customColDefOptions	A list of lists, where the inner lists are any custom options from reactable::colDef for each column

Value

A named list of reactable::colDef objects

createLargeSqlQueryDt *Create Large Sql Query Data Table*

Description

Construct an instance of a LargeDataTable R6 instance for use inside largeTableServer

This should pass a parameterized sql query that can be used to iteratively return data from a table rather than returning the entire object.

Usage

```
createLargeSqlQueryDt(
  connectionHandler = NULL,
  connectionDetails = NULL,
  baseQuery,
  countQuery = NULL
)
```

Arguments

connectionHandler	ResultModelManager connectionHandler instance
connectionDetails	DatabaseConnector connectionDetails instance
baseQuery	base sql query
countQuery	count query string (should match query). Can be auto generated with sub query (default) but this will likely result in slow results

databaseInformationView	<i>database Information View</i>
-------------------------	----------------------------------

Description

Use for customizing UI

Usage

databaseInformationView(id)

Arguments

id	Namespace Id - use namespaced id ns("databaseInformation") inside diagnosticsExplorer module
----	--

dataDiagnosticDrillServer	<i>The module server for exploring prediction summary results</i>
---------------------------	---

Description

The module server for exploring prediction summary results

Usage

dataDiagnosticDrillServer(id, connectionHandler, resultDatabaseSettings)

Arguments

id	the unique reference id for the module
connectionHandler	the connection to the prediction result database
resultDatabaseSettings	a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the summary module

dataDiagnosticDrillViewer

The module viewer for exploring data-diagnostic results in more detail

Description

The module viewer for exploring data-diagnostic results in more detail

Usage

dataDiagnosticDrillViewer(id)

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the summary module

dataDiagnosticHelperFile

The location of the data-diagnostic module helper file

Description

The location of the data-diagnostic module helper file

Usage

dataDiagnosticHelperFile()

Details

Returns the location of the data-diagnostic helper file

Value

string location of the data-diagnostic helper file

dataDiagnosticServer *The module server for exploring data-diagnostic*

Description

The module server for exploring data-diagnostic

Usage

```
dataDiagnosticServer(
  id = "dataDiag",
  connectionHandler,
  resultDatabaseSettings = list(port = 1)
)
```

Arguments

`id` the unique reference id for the module
`connectionHandler` a connection to the database with the results
`resultDatabaseSettings` a list containing the data-diagnostic result schema

Details

The user specifies the id for the module

Value

The server for the data-diagnostic module

dataDiagnosticSummaryServer
 The module server for exploring prediction summary results

Description

The module server for exploring prediction summary results

Usage

```
dataDiagnosticSummaryServer(id, connectionHandler, resultDatabaseSettings)
```

Arguments

`id` the unique reference id for the module
`connectionHandler` the connection to the prediction result database
`resultDatabaseSettings` a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the summary module

dataDiagnosticSummaryViewer	<i>The module viewer for exploring data-diagnostic summary results</i>
-----------------------------	--

Description

The module viewer for exploring data-diagnostic summary results

Usage

dataDiagnosticSummaryViewer(id)

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the summary module

dataDiagnosticViewer	<i>The module viewer for exploring data-diagnostic</i>
----------------------	--

Description

The module viewer for exploring data-diagnostic

Usage

dataDiagnosticViewer(id = "dataDiag")

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the data-diagnostic viewer module

datasourcesHelperFile	<i>Define the helper file for the module</i>
-----------------------	--

Description

Define the helper file for the module

Usage

```
datasourcesHelperFile()
```

Value

The helper html file for the datasources module

datasourcesServer	<i>The server function for the datasources module</i>
-------------------	---

Description

The server function for the datasources module

Usage

```
datasourcesServer(id, connectionHandler, resultDatabaseSettings)
```

Arguments

id	The unique id for the datasources server namespace
connectionHandler	A connection to the database with the results
resultDatabaseSettings	A named list containing the cohort generator results database details (schema, table prefix)

Value

The server for the datasources module

datasourcesViewer	<i>The viewer function for hte datasources module</i>
-------------------	---

Description

The viewer function for hte datasources module

Usage

```
datasourcesViewer(id)
```

Arguments

id	The unique id for the datasources viewer namespace
----	--

Value

The UI for the datasources module

evidenceSynthesisHelperFile	<i>The location of the evidence synthesis module helper file</i>
-----------------------------	--

Description

The location of the evidence synthesis module helper file

Usage

```
evidenceSynthesisHelperFile()
```

Details

Returns the location of the evidence synthesis helper file

Value

string location of the evidence synthesis helper file

evidenceSynthesisServer

The module server for exploring PatientLevelPrediction

Description

The module server for exploring PatientLevelPrediction

Usage

```
evidenceSynthesisServer(  
  id,  
  connectionHandler,  
  resultDatabaseSettings = list(port = 1)  
)
```

Arguments

`id` the unique reference id for the module
`connectionHandler` a connection to the database with the results
`resultDatabaseSettings` a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server for the PatientLevelPrediction module

evidenceSynthesisViewer

The module viewer for exploring evidence-synthesis

Description

The module viewer for exploring evidence-synthesis

Usage

```
evidenceSynthesisViewer(id = 1)
```

Arguments

`id` the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the evidence-synthesis viewer module

getCirceRenderedExpression

Returns list with circe generated documentation

Description

Returns list with circe generated documentation

Usage

```
getCirceRenderedExpression(
  cohortDefinition,
  cohortName = "Cohort Definition",
  includeConceptSets = FALSE
)
```

Arguments

cohortDefinition

An R object (list) with a list representation of the cohort definition expression, that may be converted to a cohort expression JSON using `RJSONIO::toJSON(x = cohortDefinition, digits = 23, pretty = TRUE)`

cohortName Name for the cohort definition

includeConceptSets

Do you want to included concept set in the documentation

Value

list object

getEnabledCdReports

Get enable cd reports from available data

Description

Get enable cd reports from available data

Usage

```
getEnabledCdReports(dataSource)
```

Arguments

dataSource

Cohort diagnostics data source

getLogoImage	<i>The location of the OHDSI logo</i>
--------------	---------------------------------------

Description

The location of the OHDSI logo

Usage

```
getLogoImage()
```

Details

Returns the location of the OHDSI logo

Value

string location of the OHDSI logo

incidenceRatesView	<i>incidence Rates View</i>
--------------------	-----------------------------

Description

Use for customizing UI

Usage

```
incidenceRatesView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("incidenceRates") inside diagnosticsExplorer module
----	---

inclusionRulesView	<i>inclusion Rules View</i>
--------------------	-----------------------------

Description

Use for customizing UI

Usage

```
inclusionRulesView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("inclusionRules") inside diagnosticsExplorer module
----	---

indexEventBreakdownView

Index event breakdown view

Description

Use for customizing UI

Usage

```
indexEventBreakdownView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("indexEvents") inside diagnosticsExplorer module
----	--

LargeDataTable

Large Data Table

Description

Large data table R6 class.

Uses ResultModelManager::ConnectionHandler class to create paginating tables

NOTE Only currently works with sqlite and postgresql database backends (probably redshift too) as this method uses limit and offset for the queries

Alternatively, you might want to subclass this class. For example, if your backend query is against an API such as and ATLAS instance or ATHENA

If subclassing use inheritance and treat this class as an interface to implement - implementing the methods:

get

Public fields

baseQuery query string sql

countQuery count query string (should match query). Can be auto generated with sub query (default) but this will likely result in slow results

connectionHandler ResultModelManager connection handler to execute query inside initialize

Methods

Public methods:

- [LargeDataTable\\$new\(\)](#)
- [LargeDataTable\\$getCount\(\)](#)
- [LargeDataTable\\$getPage\(\)](#)
- [LargeDataTable\\$getAllResults\(\)](#)

- [LargeDataTable\\$clone\(\)](#)

Method new():

Usage:

```
LargeDataTable$new(connectionHandler, baseQuery, countQuery = NULL)
```

Arguments:

connectionHandler ResultModelManager connectionHandler instance

baseQuery base sql query

countQuery count query string (should match query). Can be auto generated with sub query (default) but this will likely result in slow results

Returns: self get count

Method getCount(): execute count query with specified parameters

Usage:

```
LargeDataTable$getCount(...)
```

Arguments:

...

Returns: count Get Page

Method getPage():

Usage:

```
LargeDataTable$getPage(pageNum, pageSize = self$pageSize, ...)
```

Arguments:

pageNum page number

pageSize page size

...

Returns: data.frame of query result get all results

Method getAllResults():

Usage:

```
LargeDataTable$getAllResults(...)
```

Arguments:

...

Returns: data.frame of all results. Used for large file downloads

Method clone(): The objects of this class are cloneable with this method.

Usage:

```
LargeDataTable$clone(deep = FALSE)
```

Arguments:

deep Whether to make a deep clone.

largeTableServer	<i>Large Table Component Server</i>
------------------	-------------------------------------

Description

Display large data tables in a consistent way - server side pagination for reactable objects

Usage

```
largeTableServer(
  id,
  ldt,
  inputParams,
  modifyData = NULL,
  columns = shiny::reactive(list()),
  ...
)
```

Arguments

id	Shiny module id. Must match Large Table Viewer
ldt	LargeDataTable instance
inputParams	reactive that returns list of parameters to be passed to ldt
modifyData	optional callback function that takes the data page, page number, page size as parameters must return data.frame compatible instance
columns	List or reactable returning list of reactable::columnDef objects
...	Additional reactable options (searchable, sortable)

largeTableView	<i>Large Table Component Viewer</i>
----------------	-------------------------------------

Description

Component for results sets with many thousands of rows More limited than other table components in terms of automatic handling of search and filtering but will allow responsive apps

Usage

```
largeTableView(
  id,
  pageSizeChoices = c(10, 25, 50, 100),
  selectedPageSize = 10,
  fullDownloads = TRUE
)
```

Arguments

id	Shiny module id. Must match largeTableServer
pageSizeChoices	numeric selection options for pages
selectedPageSize	numeric selection options for pages
fullDownloads	allow download button of full dataset from query

makeButtonLabel	<i>Make a label for an html button</i>
-----------------	--

Description

Make a label for an html button

Usage

```
makeButtonLabel(label)
```

Arguments

label	The desired label for hte button
-------	----------------------------------

Value

html code to make a button label

OhdsiShinyModules	<i>OhdsiShinyModules</i>
-------------------	--------------------------

Description

A selection of shiny modules for exploring standardized OHDSI results

orphanConceptsView	<i>Orphan Concepts View</i>
--------------------	-----------------------------

Description

Use for customizing UI

Usage

```
orphanConceptsView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("orphanConcepts") inside diagnosticsExplorer module
----	---

`patientLevelPredictionCalibrationServer`*The module server for exploring prediction validation results*

Description

The module server for exploring prediction validation results

Usage

```
patientLevelPredictionCalibrationServer(  
    id,  
    performanceId,  
    connectionHandler,  
    inputSingleView,  
    resultDatabaseSettings  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>performanceId</code>	the performance id in the database
<code>connectionHandler</code>	the connection to the prediction result database
<code>inputSingleView</code>	the current tab
<code>resultDatabaseSettings</code>	a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the prediction calibration module

`patientLevelPredictionCalibrationViewer`*The module viewer for exploring prediction model calibration results*

Description

The module viewer for exploring prediction model calibration results

Usage

```
patientLevelPredictionCalibrationViewer(id)
```

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the prediction model calibration module

patientLevelPredictionCovariateSummaryServer

The module server for exploring prediction covariate summary results

Description

The module server for exploring prediction covariate summary results

Usage

```
patientLevelPredictionCovariateSummaryServer(
  id,
  modelDesignId,
  developmentDatabaseId,
  performanceId,
  connectionHandler,
  inputSingleView,
  resultDatabaseSettings
)
```

Arguments

id the unique reference id for the module

modelDesignId unique id for the model design

developmentDatabaseId unique id for the development database

performanceId unique id for the performance results

connectionHandler the connection to the prediction result database

inputSingleView the current tab

resultDatabaseSettings a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the covariate summary module

patientLevelPredictionCovariateSummaryViewer

The module viewer for exploring prediction covariate summary results

Description

The module viewer for exploring prediction covariate summary results

Usage

```
patientLevelPredictionCovariateSummaryViewer(id)
```

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the covariate summary module

patientLevelPredictionCutoffServer

The module server for exploring prediction cut-off results

Description

The module server for exploring prediction cut-off results

Usage

```
patientLevelPredictionCutoffServer(
  id,
  performanceId,
  connectionHandler,
  inputSingleView,
  resultDatabaseSettings
)
```

Arguments

id the unique reference id for the module

performanceId the performance id in the database

connectionHandler the connection to the prediction result database

inputSingleView the current tab

resultDatabaseSettings a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the prediction cut-off module

patientLevelPredictionCutoffViewer

The module viewer for exploring prediction cut-off results

Description

The module viewer for exploring prediction cut-off results

Usage

```
patientLevelPredictionCutoffViewer(id)
```

Arguments

id	the unique reference id for the module
----	--

Details

The user specifies the id for the module

Value

The user interface to the prediction cut-off module

patientLevelPredictionDesignSummaryServer

The module server for exploring prediction designs in the results

Description

The module server for exploring prediction designs in the results

Usage

```
patientLevelPredictionDesignSummaryServer(  
  id,  
  connectionHandler,  
  resultDatabaseSettings  
)
```

Arguments

id the unique reference id for the module
connectionHandler the connection to the prediction result database
resultDatabaseSettings a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the prediction design module

patientLevelPredictionDesignSummaryViewer

The module viewer for exploring prediction designs that have been run

Description

The module viewer for exploring prediction designs that have been run

Usage

```
patientLevelPredictionDesignSummaryViewer(id)
```

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the prediction design module

`patientLevelPredictionDiagnosticsServer`*The module server for exploring prediction diagnostic results*

Description

The module server for exploring prediction diagnostic results

Usage

```
patientLevelPredictionDiagnosticsServer(  
    id,  
    modelDesignId,  
    connectionHandler,  
    resultDatabaseSettings  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>modelDesignId</code>	the unique id for the model design
<code>connectionHandler</code>	the connection to the prediction result database
<code>resultDatabaseSettings</code>	a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the prediction diagnostic module

`patientLevelPredictionDiagnosticsViewer`*The module viewer for exploring prediction diagnostic results*

Description

The module viewer for exploring prediction diagnostic results

Usage

```
patientLevelPredictionDiagnosticsViewer(id)
```

Arguments

<code>id</code>	the unique reference id for the module
-----------------	--

Details

The user specifies the id for the module

Value

The user interface to the prediction diagnostic module

patientLevelPredictionDiscriminationServer

The module server for exploring prediction model discrimination results

Description

The module server for exploring prediction model discrimination results

Usage

```
patientLevelPredictionDiscriminationServer(
    id,
    performanceId,
    connectionHandler,
    inputSingleView,
    resultDatabaseSettings
)
```

Arguments

id	the unique reference id for the module
performanceId	the performance id in the database
connectionHandler	the connection to the prediction result database
inputSingleView	the current tab
resultDatabaseSettings	a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the model discrimination module

patientLevelPredictionDiscriminationViewer

The module viewer for exploring prediction model discrimination results

Description

The module viewer for exploring prediction model discrimination results

Usage

patientLevelPredictionDiscriminationViewer(id)

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the model discrimination results module

patientLevelPredictionHelperFile

The location of the prediction module helper file

Description

The location of the prediction module helper file

Usage

patientLevelPredictionHelperFile()

Details

Returns the location of the prediction helper file

Value

string location of the prediction helper file

`patientLevelPredictionModelSummaryServer`*The module server for exploring prediction summary results*

Description

The module server for exploring prediction summary results

Usage

```
patientLevelPredictionModelSummaryServer(  
    id,  
    connectionHandler,  
    resultDatabaseSettings,  
    modelDesignId  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>connectionHandler</code>	the connection to the prediction result database
<code>resultDatabaseSettings</code>	a list containing the result schema and prefixes
<code>modelDesignId</code>	a reactable id specifying the prediction model design identifier

Details

The user specifies the id for the module

Value

The server to the summary module

`patientLevelPredictionModelSummaryViewer`*The module viewer for exploring prediction summary results*

Description

The module viewer for exploring prediction summary results

Usage

```
patientLevelPredictionModelSummaryViewer(id)
```

Arguments

<code>id</code>	the unique reference id for the module
-----------------	--

Details

The user specifies the id for the module

Value

The user interface to the summary module

patientLevelPredictionNbServer
<i>The module server for exploring prediction net-benefit results</i>

Description

The module server for exploring prediction net-benefit results

Usage

```
patientLevelPredictionNbServer(  
  id,  
  performanceId,  
  connectionHandler,  
  inputSingleView,  
  resultDatabaseSettings  
)
```

Arguments

- id the unique reference id for the module
- performanceId the performance id in the database
- connectionHandler the connection to the prediction result database
- inputSingleView the current tab
- resultDatabaseSettings a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the net-benefit module

`patientLevelPredictionNbViewer`*The module viewer for exploring prediction net-benefit results*

Description

The module viewer for exploring prediction net-benefit results

Usage

```
patientLevelPredictionNbViewer(id)
```

Arguments

`id` the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the net-benefit module

`patientLevelPredictionServer`*The module server for exploring PatientLevelPrediction*

Description

The module server for exploring PatientLevelPrediction

Usage

```
patientLevelPredictionServer(  
  id,  
  connectionHandler,  
  resultDatabaseSettings = list(port = 1)  
)
```

Arguments

`id` the unique reference id for the module
`connectionHandler` a connection to the database with the results
`resultDatabaseSettings` a list containing the prediction result schema and connection details

Details

The user specifies the id for the module

Value

The server for the PatientLevelPrediction module

patientLevelPredictionSettingsServer
<i>The module server for exploring prediction settings</i>

Description

The module server for exploring prediction settings

Usage

```
patientLevelPredictionSettingsServer(  
    id,  
    modelDesignId,  
    developmentDatabaseId,  
    performanceId,  
    connectionHandler,  
    inputSingleView,  
    resultDatabaseSettings  
)
```

Arguments

- id the unique reference id for the module
- modelDesignId unique id for the model design
- developmentDatabaseId unique id for the development database
- performanceId unique id for the performance results
- connectionHandler the connection to the prediction result database
- inputSingleView the current tab
- resultDatabaseSettings a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the settings module

`patientLevelPredictionSettingsViewer`*The module viewer for exploring prediction settings*

Description

The module viewer for exploring prediction settings

Usage

```
patientLevelPredictionSettingsViewer(id)
```

Arguments

<code>id</code>	the unique reference id for the module
-----------------	--

Details

The user specifies the id for the module

Value

The user interface to the settings module

`patientLevelPredictionValidationServer`*The module server for exploring prediction validation results*

Description

The module server for exploring prediction validation results

Usage

```
patientLevelPredictionValidationServer(  
  id,  
  modelDesignId,  
  developmentDatabaseId,  
  performanceId,  
  connectionHandler,  
  inputSingleView,  
  resultDatabaseSettings  
)
```

Arguments

- id the unique reference id for the module
- modelDesignId identifier for the model design
- developmentDatabaseId identifier for the development database
- performanceId identifier for the performance
- connectionHandler the connection to the prediction result database
- inputSingleView the current tab
- resultDatabaseSettings a list containing the result schema and prefixes

Details

The user specifies the id for the module

Value

The server to the validation module

patientLevelPredictionValidationViewer
<i>The module viewer for exploring prediction validation results</i>

Description

The module viewer for exploring prediction validation results

Usage

patientLevelPredictionValidationViewer(id)

Arguments

- id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the validation module

`patientLevelPredictionViewer`*The module viewer for exploring PatientLevelPrediction*

Description

The module viewer for exploring PatientLevelPrediction

Usage

```
patientLevelPredictionViewer(id = 1)
```

Arguments

`id` the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the PatientLevelPrediction viewer module

`phevaluatorHelperFile` *The location of the phevaluator module helper file*

Description

The location of the phevaluator module helper file

Usage

```
phevaluatorHelperFile()
```

Details

Returns the location of the cohort-generator helper file

Value

String location of the phevaluator helper file

phevaluatorServer	<i>The module server for the main phevaluator module</i>
-------------------	--

Description

The module server for the main phevaluator module

Usage

```
phevaluatorServer(id, connectionHandler, resultDatabaseSettings)
```

Arguments

id	The unique reference id for the module
connectionHandler	A connection to the database with the results
resultDatabaseSettings	A named list containing the cohort generator results database details (schema, table prefix)

Value

The phevaluator main module server

phevaluatorViewer	<i>The viewer of the phevaluator module</i>
-------------------	---

Description

The viewer of the phevaluator module

Usage

```
phevaluatorViewer(id)
```

Arguments

id	The unique reference id for the module
----	--

Value

The user interface to the phevaluator results viewer

resultTableServer	<i>Result Table Server</i>
-------------------	----------------------------

Description

Result Table Server

Usage

```
resultTableServer(
  id,
  df,
  colDefsInput,
  selectedCols = NULL,
  sortedCols = NULL,
  elementId = NULL,
  addActions = NULL,
  downloadedFileName = NULL,
  groupBy = NULL
)
```

Arguments

id	string, table id must match resultsTableViewer function
df	reactive that returns a data frame
colDefsInput	named list of reactable::colDefs
selectedCols	string vector of columns the reactable should display to start by default. Defaults to ALL if not specified.
sortedCols	string vector of columns the reactable should sort by by default. Defaults to no sort if not specified.
elementId	optional string vector of element Id name for custom dropdown filtering if present in the customColDef list. Defaults to NULL.
addActions	add a button row selector column to the table to a column called 'actions'. actions must be a column in df
downloadedFileName	string, desired name of downloaded data file. can use the name from the module that is being used
groupBy	The columns to group by

Value

shiny module server

resultTableView	<i>Result Table Viewer</i>
-----------------	----------------------------

Description

Result Table Viewer

Usage

```
resultTableView(id = "result-table", downloadedFileName = NULL)
```

Arguments

id	string
downloadedFileName	string, desired name of downloaded data file. can use the name from the module that is being used

Value

shiny module UI

sccsHelperFile	<i>The location of the description module helper file</i>
----------------	---

Description

The location of the description module helper file

Usage

```
sccsHelperFile()
```

Details

Returns the location of the description helper file

Value

string location of the description helper file

sccsServer	<i>The module server for exploring SCCS</i>
------------	---

Description

The module server for exploring SCCS

Usage

```
sccsServer(id, connectionHandler, resultDatabaseSettings = list(port = 1))
```

Arguments

id	the unique reference id for the module
connectionHandler	a connection to the database with the results
resultDatabaseSettings	a list containing the prediction result schema and connection details

Details

The user specifies the id for the module

Value

The server for the PatientLevelPrediction module

sccsView	<i>SCCS shiny module UI code</i>
----------	----------------------------------

Description

Load the ui for the sccs module

Usage

```
sccsView(id = "sccs-module")
```

Arguments

id	id for module
----	---------------

timeDistributionsView	<i>timeDistributions view</i>
-----------------------	-------------------------------

Description

Use for customizing UI

Usage

```
timeDistributionsView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("imeDistributions") inside diagnosticsExplorer module
----	---

visitContextView	<i>Visit context module view</i>
------------------	----------------------------------

Description

Use for customizing UI

Usage

```
visitContextView(id)
```

Arguments

id	Namespace Id - use namespaced id ns("vistConext") inside diagnosticsExplorer module
----	---