

Package ‘OhdsiShinyModules’

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Type Package

Title Repository of Shiny Modules for OHDSI Result Viewers

Version 3.0.2

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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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Encoding UTF-8

LazyData true

Depends R (>= 3.3.0)

VignetteBuilder knitr

Language EN-US

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

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

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

Remotes ohdsi/ReportGenerator,
ohdsi/ResultModelManager

RoxygenNote 7.3.2

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aboutHelperFile	<i>The location of the about module helper file</i>
-----------------	---

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

See Also

Other About: [aboutServer\(\)](#), [aboutViewer\(\)](#)

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,  
  config  
)
```

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
config	the config from the app.R file that contains a list of which modules to include

Details

The user specifies the id for the module

Value

The server for the shiny app home

See Also

Other About: [aboutHelperFile\(\)](#), [aboutViewer\(\)](#)

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

See Also

Other About: [aboutHelperFile\(\)](#), [aboutServer\(\)](#)

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

See Also

Other Characterization: [characterizationIncidenceServer\(\)](#), [characterizationIncidenceViewer\(\)](#), [characterizationServer\(\)](#), [characterizationViewer\(\)](#)

characterizationIncidenceServer

The module server for exploring incidence results

Description

The module server for exploring incidence results

Usage

```
characterizationIncidenceServer(
  id,
  connectionHandler,
  resultDatabaseSettings,
  parents,
  parentIndex,
  outcomes,
  targetIds
)
```

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
parents	a list of parent cohorts
parentIndex	an integer specifying the parent index of interest
outcomes	a reactive object specifying the outcomes of interest
targetIds	a reactive vector of integer specifying the targetIds of interest

Details

The user specifies the id for the module

Value

The server to the prediction incidence module

See Also

Other Characterization: [characterizationHelperFile\(\)](#), [characterizationIncidenceViewer\(\)](#), [characterizationServer\(\)](#), [characterizationViewer\(\)](#)

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

See Also

Other Characterization: [characterizationHelperFile\(\)](#), [characterizationIncidenceServer\(\)](#),
[characterizationServer\(\)](#), [characterizationViewer\(\)](#)

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

See Also

Other Characterization: [characterizationHelperFile\(\)](#), [characterizationIncidenceServer\(\)](#), [characterizationIncidenceViewer\(\)](#), [characterizationViewer\(\)](#)

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

See Also

Other Characterization: [characterizationHelperFile\(\)](#), [characterizationIncidenceServer\(\)](#), [characterizationIncidenceViewer\(\)](#), [characterizationServer\(\)](#)

cohortCountsModule	<i>Shiny module for cohort counts</i>
--------------------	---------------------------------------

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

See Also

Other CohortDiagnostics: [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

Description

Shiny view for cohort counts module

Usage

```
cohortCountsView(id)
```

Arguments

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

cohortDefinitionsView *Cohort Definitions View*

Description

Outputs cohort definitions

Usage

```
cohortDefinitionsView(id)
```

Arguments

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

cohortDiagCharacterizationView
characterization

Description

Use for customizing UI

Usage

```
cohortDiagCharacterizationView(id)
```

Arguments

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orpahanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orpahanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orpahanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orpahanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

See Also

Other CohortGenerator: [cohortGeneratorServer\(\)](#), [cohortGeneratorViewer\(\)](#)

`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

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

Value

the cohort generator results viewer main module server

See Also

Other CohortGenerator: [cohortGeneratorHelperFile\(\)](#), [cohortGeneratorViewer\(\)](#)

`cohortGeneratorViewer` *The viewer of the main cohort generator module*

Description

The viewer of the main cohort generator module

Usage

```
cohortGeneratorViewer(id)
```

Arguments

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

Value

The user interface to the cohort generator results viewer

See Also

Other CohortGenerator: [cohortGeneratorHelperFile\(\)](#), [cohortGeneratorServer\(\)](#)

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

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 attrition results content server

See Also

Other Estimation: [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

cohortMethodAttritionViewer

The module viewer for rendering the PLE attrition results

Description

The module viewer for rendering the PLE attrition results

Usage

```
cohortMethodAttritionViewer(id)
```

Arguments

id the unique reference id for the module

Value

The user interface to the cohort method attrition

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

```
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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

 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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

 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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

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

Value

the PLE systematic error content server

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

id the unique reference id for the module

Value

The user interface to the cohort method systematic error module

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodCovariateBalanceServer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [compareCohortCharacterizationView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orpahanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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
----	---

See Also

Other CohortDiagnostics: `cohortCountsModule()`, `cohortCountsView()`, `cohortDefinitionsModule()`, `cohortDefinitionsView()`, `cohortDiagCharacterizationView()`, `cohortDiagnosticsHelperFile()`, `cohortDiagnosticsServer()`, `cohortDiagnosticsView()`, `cohortOverlapView()`, `compareCohortCharacterizationView()`, `createCdDatabaseDataSource()`, `databaseInformationView()`, `getCirceRenderedExpression()`, `getEnabledCdReports()`, `incidenceRatesView()`, `inclusionRulesView()`, `indexEventBreakdownView()`, `orphanConceptsView()`, `timeDistributionsView()`, `visitContextView()`

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'.

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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 <code>reactable::colDef</code> for each column

Value

A named list of `reactable::colDef` objects

See Also

Other Utils: [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableView\(\)](#)

Other Utils: [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableView\(\)](#)

`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

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

See Also

Other LargeTables: [largeTableServer\(\)](#), [largeTableView\(\)](#)

`databaseInformationView`
database Information View

Description

Use for customizing UI

Usage

```
databaseInformationView(id)
```

Arguments

<code>id</code>	Namespace Id - use namespaced id <code>ns("databaseInformation")</code> inside <code>diagnosticsExplorer</code> module
-----------------	--

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

dataDiagnosticDrillServer

The module server for exploring prediction summary results

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

See Also

Other DataDiagnostics: [dataDiagnosticDrillViewer\(\)](#), [dataDiagnosticHelperFile\(\)](#), [dataDiagnosticServer\(\)](#), [dataDiagnosticSummaryServer\(\)](#), [dataDiagnosticSummaryViewer\(\)](#), [dataDiagnosticViewer\(\)](#)

`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

See Also

Other DataDiagnostics: [dataDiagnosticDrillServer\(\)](#), [dataDiagnosticHelperFile\(\)](#), [dataDiagnosticServer\(\)](#), [dataDiagnosticSummaryServer\(\)](#), [dataDiagnosticSummaryViewer\(\)](#), [dataDiagnosticViewer\(\)](#)

`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

See Also

Other DataDiagnostics: [dataDiagnosticDrillServer\(\)](#), [dataDiagnosticDrillViewer\(\)](#), [dataDiagnosticServer\(\)](#), [dataDiagnosticSummaryServer\(\)](#), [dataDiagnosticSummaryViewer\(\)](#), [dataDiagnosticViewer\(\)](#)

dataDiagnosticServer	<i>The module server for exploring data-diagnostic</i>
----------------------	--

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

See Also

Other DataDiagnostics: [dataDiagnosticDrillServer\(\)](#), [dataDiagnosticDrillViewer\(\)](#), [dataDiagnosticHelperF](#), [dataDiagnosticSummaryServer\(\)](#), [dataDiagnosticSummaryViewer\(\)](#), [dataDiagnosticViewer\(\)](#)

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

See Also

Other DataDiagnostics: [dataDiagnosticDrillServer\(\)](#), [dataDiagnosticDrillViewer\(\)](#), [dataDiagnosticHelperF](#)
[dataDiagnosticServer\(\)](#), [dataDiagnosticSummaryViewer\(\)](#), [dataDiagnosticViewer\(\)](#)

dataDiagnosticSummaryViewer

The module viewer for exploring data-diagnostic summary results

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

See Also

Other DataDiagnostics: [dataDiagnosticDrillServer\(\)](#), [dataDiagnosticDrillViewer\(\)](#), [dataDiagnosticHelperF](#)
[dataDiagnosticServer\(\)](#), [dataDiagnosticSummaryServer\(\)](#), [dataDiagnosticViewer\(\)](#)

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

See Also

Other DataDiagnostics: [dataDiagnosticDrillServer\(\)](#), [dataDiagnosticDrillViewer\(\)](#), [dataDiagnosticHelperF](#)
[dataDiagnosticServer\(\)](#), [dataDiagnosticSummaryServer\(\)](#), [dataDiagnosticSummaryViewer\(\)](#)

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

See Also

Other Utils: [createCustomColDefList\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)
Other Utils: [createCustomColDefList\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)

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

See Also

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)
Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)

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

See Also

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)

estimationHelperFile	<i>The location of the estimation module helper file</i>
----------------------	--

Description

The location of the estimation module helper file

Usage

```
estimationHelperFile()
```

Details

Returns the location of the characterization helper file

Value

string location of the characterization helper file

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationServer\(\)](#), [estimationViewer\(\)](#)

estimationServer

The module server for exploring estimation studies

Description

The module server for exploring estimation studies

Usage

```
estimationServer(
  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 estimation module

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationViewer\(\)](#)

estimationViewer	<i>The module viewer for exploring characterization studies</i>
------------------	---

Description

The module viewer for exploring characterization studies

Usage

```
estimationViewer(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

See Also

Other Estimation: [cohortMethodAttritionServer\(\)](#), [cohortMethodAttritionViewer\(\)](#), [cohortMethodCovariateBalanceViewer\(\)](#), [cohortMethodKaplanMeierServer\(\)](#), [cohortMethodKaplanMeierViewer\(\)](#), [cohortMethodPopulationCharacteristicsServer\(\)](#), [cohortMethodPopulationCharacteristicsViewer\(\)](#), [cohortMethodPowerServer\(\)](#), [cohortMethodPowerViewer\(\)](#), [cohortMethodPropensityModelServer\(\)](#), [cohortMethodPropensityModelViewer\(\)](#), [cohortMethodPropensityScoreDistServer\(\)](#), [cohortMethodPropensityScoreDistViewer\(\)](#), [cohortMethodSystematicErrorServer\(\)](#), [cohortMethodSystematicErrorViewer\(\)](#), [estimationHelperFile\(\)](#), [estimationServer\(\)](#)

```
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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

<code>getEnabledCdReports</code>	<i>Get enable cd reports from available data</i>
----------------------------------	--

Description

Get enable cd reports from available data

Usage

```
getEnabledCdReports(dataSource)
```

Arguments

`dataSource` Cohort diagnostics data source

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

`getExampleConnectionDetails`*A connection details to an example result database*

Description

A connection details to an example result database

Usage

```
getExampleConnectionDetails()
```

Details

Finds the location within the package of an sqlite database with example results for 1) CohortGenerator, 2) Characterization, 3) PatientLevelPrediction, 4) CohortMethod, 5) SelfControlledCaseSeries and 6) CohortIncidence

Value

The connection details to an example result database

`getLogoImage`*The location of the OHDSI logo*

Description

The location of the OHDSI logo

Usage

```
getLogoImage()
```

Details

Returns the location of the OHDSI logo

Value

string location of the OHDSI logo

homeHelperFile	<i>The location of the home module helper file</i>
----------------	--

Description

The location of the home module helper file

Usage

```
homeHelperFile()
```

Details

Returns the location of the home helper file

Value

string location of the home helper file

See Also

Other Home: [homeServer\(\)](#), [homeViewer\(\)](#)

homeServer	<i>The module server for exploring home</i>
------------	---

Description

The module server for exploring home

Usage

```
homeServer(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 home module

See Also

Other Home: [homeHelperFile\(\)](#), [homeViewer\(\)](#)

homeViewer	<i>The module viewer for exploring home</i>
------------	---

Description

The module viewer for exploring home

Usage

homeViewer(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 home viewer module

See Also

Other Home: [homeHelperFile\(\)](#), [homeServer\(\)](#)

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

Description

Use for customizing UI

Usage

`inclusionRulesView(id)`

Arguments

<code>id</code>	Namespace Id - use namespaced id ns("inclusionRules") inside diagnosticsExplorer module
-----------------	---

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

<code>indexEventBreakdownView</code>	<i>Index event breakdown view</i>
--------------------------------------	-----------------------------------

Description

Use for customizing UI

Usage

`indexEventBreakdownView(id)`

Arguments

<code>id</code>	Namespace Id - use namespaced id ns("indexEvents") inside diagnosticsExplorer module
-----------------	--

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [orphanConceptsView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

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

Large Table Component Server

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

See Also

Other LargeTables: [createLargeSqlQueryDt\(\)](#), [largeTableView\(\)](#)

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

See Also

Other LargeTables: [createLargeSqlQueryDt\(\)](#), [largeTableServer\(\)](#)

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

See Also

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [resultTableServer\(\)](#), [resultTableViewer\(\)](#)

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

Description

Use for customizing UI

Usage

orpahanConceptsView(id)

Arguments

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [timeDistributionsView\(\)](#), [visitContextView\(\)](#)

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

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 calibration module

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#),

```
patientLevelPredictionModelSummaryServer(), patientLevelPredictionModelSummaryViewer(),
patientLevelPredictionNbServer(), patientLevelPredictionNbViewer(), patientLevelPredictionServer()
patientLevelPredictionSettingsServer(), patientLevelPredictionSettingsViewer(), patientLevelPredictionValidationViewer(), patientLevelPredictionViewer()
```

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

id	the unique reference id for the module
modelDesignId	the unique id for the model design
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 diagnostic module

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

patientLevelPredictionDiagnosticsViewer

The module viewer for exploring prediction diagnostic results

Description

The module viewer for exploring prediction diagnostic results

Usage

```
patientLevelPredictionDiagnosticsViewer(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 diagnostic module

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

`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

`modelDesignId` 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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

patientLevelPredictionModelSummaryViewer

The module viewer for exploring prediction summary results

Description

The module viewer for exploring prediction summary results

Usage

```
patientLevelPredictionModelSummaryViewer(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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

patientLevelPredictionNbServer

The module server for exploring prediction net-benefit results

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationSummaryServer\(\)](#), [patientLevelPredictionCalibrationSummaryViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

patientLevelPredictionSettingsServer

The module server for exploring prediction settings

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

patientLevelPredictionSettingsViewer

The module viewer for exploring prediction settings

Description

The module viewer for exploring prediction settings

Usage

```
patientLevelPredictionSettingsViewer(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 settings module

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionViewer\(\)](#)

patientLevelPredictionValidationViewer

The module viewer for exploring prediction validation results

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#)

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

See Also

Other PatientLevelPrediction: [patientLevelPredictionCalibrationServer\(\)](#), [patientLevelPredictionCalibrationViewer\(\)](#), [patientLevelPredictionCovariateSummaryServer\(\)](#), [patientLevelPredictionCovariateSummaryViewer\(\)](#), [patientLevelPredictionCutoffServer\(\)](#), [patientLevelPredictionCutoffViewer\(\)](#), [patientLevelPredictionDesignSummaryServer\(\)](#), [patientLevelPredictionDesignSummaryViewer\(\)](#), [patientLevelPredictionDiagnosticsServer\(\)](#), [patientLevelPredictionDiagnosticsViewer\(\)](#), [patientLevelPredictionDiscriminationServer\(\)](#), [patientLevelPredictionDiscriminationViewer\(\)](#), [patientLevelPredictionHelperFile\(\)](#), [patientLevelPredictionModelSummaryServer\(\)](#), [patientLevelPredictionModelSummaryViewer\(\)](#), [patientLevelPredictionNbServer\(\)](#), [patientLevelPredictionNbViewer\(\)](#), [patientLevelPredictionServer\(\)](#), [patientLevelPredictionSettingsServer\(\)](#), [patientLevelPredictionSettingsViewer\(\)](#), [patientLevelPredictionValidationServer\(\)](#), [patientLevelPredictionValidationViewer\(\)](#)

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

See Also

Other PheValuator: [phevaluatorServer\(\)](#), [phevaluatorViewer\(\)](#)

Other PheValuator: [phevaluatorServer\(\)](#), [phevaluatorViewer\(\)](#)

phevaluatorServer *The module server for the main phevaluator module*

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

See Also

Other PheValuator: [phevaluatorHelperFile\(\)](#), [phevaluatorViewer\(\)](#)

Other PheValuator: [phevaluatorHelperFile\(\)](#), [phevaluatorViewer\(\)](#)

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

See Also

Other PheValuator: [phevaluatorHelperFile\(\)](#), [phevaluatorServer\(\)](#)

Other PheValuator: [phevaluatorHelperFile\(\)](#), [phevaluatorServer\(\)](#)

reportHelperFile	<i>The location of the report module helper file</i>
------------------	--

Description

The location of the report module helper file

Usage

```
reportHelperFile()
```

Details

Returns the location of the report helper file

Value

string location of the report helper file

See Also

Other Report: [reportServer\(\)](#), [reportViewer\(\)](#)

reportServer	<i>The module server for the shiny app report module</i>
--------------	--

Description

The module server for the shiny app report module

Usage

```
reportServer(
  id = "reportModule",
  connectionHandler = NULL,
  resultDatabaseSettings = NULL,
  server = Sys.getenv("RESULTS_SERVER"),
  username = Sys.getenv("RESULTS_USER"),
  password = Sys.getenv("RESULTS_PASSWORD"),
  dbms = Sys.getenv("RESULTS_DBMS")
)
```

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
server	server for the connection to the results for quarto
username	username for the connection to the results for quarto
password	password for the connection to the results for quarto
dbms	dbms for the connection to the results for quarto

Details

The user specifies the id for the module

Value

The server for the shiny app home

See Also

Other Report: [reportHelperFile\(\)](#), [reportViewer\(\)](#)

reportViewer	<i>The module viewer for the shiny app report module</i>
--------------	--

Description

The module viewer for the shiny app report module

Usage

```
reportViewer(id = "reportModule")
```

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

See Also

Other Report: [reportHelperFile\(\)](#), [reportServer\(\)](#)

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

Description

Result Table Server

Usage

```
resultTableServer(  
  id,  
  df,  
  colDefsInput,  
  details = data.frame(),  
  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
details	The details of the results such as cohort names and database names
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

See Also

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableViewer\(\)](#)

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableViewer\(\)](#)

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

Description

Result Table Viewer

Usage

```
resultTableViewer(
  id = "result-table",
  downloadedFileName = NULL,
  boxTitle = "Table"
)
```

Arguments

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

Value

shiny module UI

See Also

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#)

Other Utils: [createCustomColDefList\(\)](#), [datasourcesHelperFile\(\)](#), [datasourcesServer\(\)](#), [datasourcesViewer\(\)](#), [makeButtonLabel\(\)](#), [resultTableServer\(\)](#)

timeDistributionsView *timeDistributions view*

Description

Use for customizing UI

Usage

```
timeDistributionsView(id)
```

Arguments

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizationConceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orphanConceptsView\(\)](#), [visitContextView\(\)](#)

visitContextView	Visit context module view
------------------	---------------------------

Description

Use for customizing UI

Usage

visitContextView(id)

Arguments

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

See Also

Other CohortDiagnostics: [cohortCountsModule\(\)](#), [cohortCountsView\(\)](#), [cohortDefinitionsModule\(\)](#), [cohortDefinitionsView\(\)](#), [cohortDiagCharacterizationView\(\)](#), [cohortDiagnosticsHelperFile\(\)](#), [cohortDiagnosticsServer\(\)](#), [cohortDiagnosticsView\(\)](#), [cohortOverlapView\(\)](#), [compareCohortCharacterizat](#), [conceptsInDataSourceView\(\)](#), [createCdDatabaseDataSource\(\)](#), [databaseInformationView\(\)](#), [getCirceRenderedExpression\(\)](#), [getEnabledCdReports\(\)](#), [incidenceRatesView\(\)](#), [inclusionRulesView\(\)](#), [indexEventBreakdownView\(\)](#), [orpahanConceptsView\(\)](#), [timeDistributionsView\(\)](#)

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