

Package ‘OhdsiShinyModules’

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Type Package

Title Repository of Shiny Modules for OHDSI Result Viewers

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

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Encoding UTF-8

LazyData true

Depends R (>= 3.3.0)

VignetteBuilder knitr

Imports DatabaseConnector,

DBI,
dplyr,
DT,
ggplot2,
gridExtra,
htmltools,
ParallelLogger,
plotly,
pool,
reactable,
rlang,
rmarkdown,
shiny,
shinycssloaders,
shinydashboard,
SqlRender,
tibble,
tidyr

Suggests CirceR,

kableExtra,
knitr,
markdown,
RSQLite,

testthat,
withr

Remotes ohdsi/CirceR

RoxygenNote 7.2.2

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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

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

Description

The module server for the shiny app home

Usage

```
aboutServer(id = "homepage")
```

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The server for the shiny app home

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

Description

The module viewer for the shiny app home

Usage

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

Arguments

id the unique reference id for the module

Details

The user specifies the id for the module

Value

The user interface to the home page module

`cohortGeneratorHelperFile`*The location of the cohort-generator module helper file*

Description

The location of the cohort-generator module helper file

Usage

```
cohortGeneratorHelperFile()
```

Details

Returns the location of the cohort-generator helper file

Value

string location of the cohort-generator helper file

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

Description

The module server for the main cohort generator module

Usage

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

Arguments

<code>id</code>	the unique reference id for the module
<code>resultDatabaseSettings</code>	a named list containing the cohort generator results database connection details

Value

the cohort generator results viewer main module server

cohortGeneratorViewer *The viewer of the main cohort generator module*

Description

The viewer of the main cohort generator module

Usage

```
cohortGeneratorViewer(id)
```

Arguments

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

Value

The user interface to the cohort generator results viewer

dataDiagnosticDrillServer
 The module server for exploring prediction summary results

Description

The module server for exploring prediction summary results

Usage

```
dataDiagnosticDrillServer(id, con, mySchema, targetDialect, myTableAppend)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the summary module

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

Description

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

Usage`dataDiagnosticDrillViewer(id)`**Arguments**

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

Details

The user specifies the id for the module

Value

The user interface to the summary module

`dataDiagnosticHelperFile`*The location of the data-diagnostic module helper file*

Description

The location of the data-diagnostic module helper file

Usage`dataDiagnosticHelperFile()`**Details**

Returns the location of the data-diagnostic helper file

Value

string location of the data-diagnostic helper file

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

Description

The module server for exploring data-diagnostic

Usage

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

Arguments

id	the unique reference id for the module
resultDatabaseSettings	a list containing the data-diagnostic result schema and connection details

Details

The user specifies the id for the module

Value

The server for the data-diagnostic module

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

Description

The module server for exploring prediction summary results

Usage

```
dataDiagnosticSummaryServer(id, con, mySchema, targetDialect, myTableAppend)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the summary module

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

dataDiagnosticViewer *The module viewer for exploring data-diagnostic*

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

descriptionAggregateFeaturesServer

The module server for exploring aggregate features results

Description

The module server for exploring aggregate features results

Usage

```
descriptionAggregateFeaturesServer(
  id,
  con,
  mainPanelTab,
  schema,
  dbms,
  tablePrefix,
  tempEmulationSchema = NULL,
  cohortTablePrefix = "cg_",
  databaseTable = "DATABASE_META_DATA"
)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mainPanelTab	the current tab
schema	the database schema for the model results
dbms	the database management system for the model results
tablePrefix	a string that appends the tables in the result schema
tempEmulationSchema	The temp schema (optional)
cohortTablePrefix	a string that appends the COHORT_DEFINITION table in the result schema
databaseTable	The database table name

Details

The user specifies the id for the module

Value

The server to the description aggregate features module

`descriptionAggregateFeaturesViewer`*The module viewer for exploring aggregate feature results*

Description

The module viewer for exploring aggregate feature results

Usage

```
descriptionAggregateFeaturesViewer(id)
```

Arguments

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

Details

The user specifies the id for the module

Value

The user interface to the description aggregate feature module

`descriptionDechallengeRechallengeServer`*The module server for exploring Dechallenge Rechallenge results*

Description

The module server for exploring Dechallenge Rechallenge results

Usage

```
descriptionDechallengeRechallengeServer(  
  id,  
  con,  
  mainPanelTab,  
  schema,  
  dbms,  
  tablePrefix,  
  tempEmulationSchema = NULL,  
  cohortTablePrefix = "cg_",  
  databaseTable = "DATABASE_META_DATA"  
)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mainPanelTab	the current tab
schema	the database schema for the model results
dbms	the database management system for the model results
tablePrefix	a string that appends the tables in the result schema
tempEmulationSchema	The temp schema (optional)
cohortTablePrefix	a string that appends the cohort table in the result schema
databaseTable	name of the database table

Details

The user specifies the id for the module

Value

The server to the Dechallenge Rechallenger module

descriptionDechallengeRechallengerViewer

The module viewer for exploring Dechallenge Rechallenger results

Description

The module viewer for exploring Dechallenge Rechallenger results

Usage

descriptionDechallengeRechallengerViewer(id)

Arguments

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

Details

The user specifies the id for the module

Value

The user interface to the description Dechallenge Rechallenger module

descriptionHelperFile *The location of the description module helper file*

Description

The location of the description module helper file

Usage

```
descriptionHelperFile()
```

Details

Returns the location of the description helper file

Value

string location of the description helper file

descriptionIncidenceServer
 The module server for exploring incidence results

Description

The module server for exploring incidence results

Usage

```
descriptionIncidenceServer(
  id,
  con,
  mainPanelTab,
  schema,
  dbms,
  incidenceTablePrefix,
  tempEmulationSchema = NULL,
  databaseTable = "DATABASE_META_DATA"
)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mainPanelTab	the current tab
schema	the database schema for the model results
dbms	the database management system for the model results
incidenceTablePrefix	a string that appends the incidence table in the result schema

tempEmulationSchema The temp schema (optional)
databaseTable name of the database table

Details

The user specifies the id for the module

Value

The server to the prediction incidence module

descriptionIncidenceViewer
The module viewer for exploring incidence results

Description

The module viewer for exploring incidence results

Usage

descriptionIncidenceViewer(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

descriptionServer *The module server for exploring description studies*

Description

The module server for exploring description studies

Usage

descriptionServer(id, resultDatabaseSettings = list(port = 1))

Arguments

id the unique reference id for the module
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 description module

descriptionTableServer

The module server for exploring 1 or more cohorts features

Description

The module server for exploring 1 or more cohorts features

Usage

```
descriptionTableServer(
  id,
  con,
  mainPanelTab,
  schema,
  dbms,
  tablePrefix,
  cohortTablePrefix,
  tempEmulationSchema = NULL,
  databaseTable = "DATABASE_META_DATA"
)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mainPanelTab	the current tab
schema	the database schema for the model results
dbms	the database management system for the model results
tablePrefix	a string that appends the tables in the result schema
cohortTablePrefix	a string that appends the cohort table in the result schema
tempEmulationSchema	The temp schema (optional)
databaseTable	name of the database table

Details

The user specifies the id for the module

Value

The server to the cohorts features server

`descriptionTableViewer`*The module viewer for exploring 1 or more cohorts features*

Description

The module viewer for exploring 1 or more cohorts features

Usage

```
descriptionTableViewer(id)
```

Arguments

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

Details

The user specifies the id for the module

Value

The user interface to the description cohorts features

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

Description

The module server for exploring time to event results

Usage

```
descriptionTimeToEventServer(  
  id,  
  con,  
  mainPanelTab,  
  schema,  
  dbms,  
  tablePrefix,  
  tempEmulationSchema = NULL,  
  cohortTablePrefix = "cg_",  
  databaseTable = "DATABASE_META_DATA"  
)
```


Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mainPanelTab	the current tab
schema	the database schema for the model results
dbms	the database management system for the model results
tablePrefix	a string that appends the tables in the result schema
tempEmulationSchema	The temp schema (optional)
cohortTablePrefix	a string that appends the cohort table in the result schema
databaseTable	name of the database table

Details

The user specifies the id for the module

Value

The server to the prediction time to event module

descriptionTimeToEventViewer

The module viewer for exploring time to event results

Description

The module viewer for exploring time to event results

Usage

descriptionTimeToEventViewer(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 time to event module

descriptionViewer	<i>The module viewer for exploring description studies</i>
-------------------	--

Description

The module viewer for exploring description studies

Usage

```
descriptionViewer(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 description viewer module

estimationAttritionServer	<i>The module server for rendering the PLE attrition results</i>
---------------------------	--

Description

The module server for rendering the PLE attrition results

Usage

```
estimationAttritionServer(  
  id,  
  selectedRow,  
  inputParams,  
  connection,  
  resultsSchema,  
  tablePrefix,  
  databaseTable  
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix
databaseTable	databaseTable

Value

the PLE attrition results content server

estimationAttritionViewer

The module viewer for rendering the PLE attrition results

Description

The module viewer for rendering the PLE attrition results

Usage

```
estimationAttritionViewer(id)
```

Arguments

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

Value

The user interface to the estimation attrition

estimationCovariateBalanceServer

The module server for rendering the covariate balance plot

Description

The module server for rendering the covariate balance plot

Usage

```
estimationCovariateBalanceServer(
  id,
  selectedRow,
  inputParams,
  connection,
  resultsSchema,
  tablePrefix,
  metaAnalysisDbIds = NULL
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix
metaAnalysisDbIds	metaAnalysisDbIds

Value

the PLE covariate balance content server

estimationCovariateBalanceViewer

The module viewer for rendering the PLE covariate balance analysis

Description

The module viewer for rendering the PLE covariate balance analysis

Usage

```
estimationCovariateBalanceViewer(id)
```

Arguments

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

Value

The user interface to the estimation covariate balance results

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

Description

The module server for rendering the PLE diagnostics summary

Usage

```
estimationDiagnosticsSummaryServer(  
    id,  
    connection,  
    resultsSchema,  
    tablePrefix,  
    cohortTablePrefix,  
    databaseTable  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>connection</code>	the connection to the PLE results database
<code>resultsSchema</code>	the schema with the PLE results
<code>tablePrefix</code>	<code>tablePrefix</code>
<code>cohortTablePrefix</code>	<code>cohortTablePrefix</code>
<code>databaseTable</code>	<code>databaseTable</code>

Value

the PLE diagnostics summary results

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

Description

The module viewer for rendering the PLE diagnostics results

Usage

```
estimationDiagnosticsSummaryViewer(id)
```

Arguments

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

Value

The user interface to the estimation diagnostics viewer

estimationForestPlotServer
<i>The module server for rendering the PLE multiple results forest plot</i>

Description

The module server for rendering the PLE multiple results forest plot

Usage

```
estimationForestPlotServer(  
  id,  
  connection,  
  selectedRow,  
  inputParams,  
  metaAnalysisDbIds = NULL,  
  resultsSchema,  
  tablePrefix,  
  databaseTable  
)
```

Arguments

id	the unique reference id for the module
connection	connection
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
metaAnalysisDbIds	metaAnalysisDbIds
resultsSchema	resultsSchema
tablePrefix	tablePrefix
databaseTable	databaseTable

Value

the PLE forest plot content server

`estimationForestPlotViewer`*The module viewer for rendering the PLE results forest plot*

Description

The module viewer for rendering the PLE results forest plot

Usage

```
estimationForestPlotViewer(id)
```

Arguments

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

Value

The user interface to the estimation forest plot

`estimationHelperFile` *The location of the estimation module helper file*

Description

The location of the estimation module helper file

Usage

```
estimationHelperFile()
```

Details

Returns the location of the estimation helper file

Value

string location of the estimation helper file

estimationKaplanMeierServer

The module server for rendering the Kaplan Meier curve

Description

The module server for rendering the Kaplan Meier curve

Usage

```
estimationKaplanMeierServer(
  id,
  selectedRow,
  inputParams,
  connection,
  resultsSchema,
  tablePrefix,
  cohortTablePrefix,
  databaseTable,
  metaAnalysisDbIds = NULL
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix
cohortTablePrefix	cohortTablePrefix
databaseTable	databaseTable
metaAnalysisDbIds	metaAnalysisDbIds

Value

the PLE Kaplan Meier content server

 estimationKaplanMeierViewer

The module viewer for rendering the PLE Kaplan Meier curve

Description

The module viewer for rendering the PLE Kaplan Meier curve

Usage

```
estimationKaplanMeierViewer(id)
```

Arguments

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

Value

The module viewer for Kaplan Meier objects

 estimationPopulationCharacteristicsServer

The module server for rendering the population characteristics

Description

The module server for rendering the population characteristics

Usage

```
estimationPopulationCharacteristicsServer(
  id,
  selectedRow,
  inputParams,
  connection,
  resultsSchema,
  tablePrefix
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix

Value

the PLE population characteristics content server

estimationPopulationCharacteristicsViewer

The module viewer for rendering the PLE population characteristics

Description

The module viewer for rendering the PLE population characteristics

Usage

```
estimationPopulationCharacteristicsViewer(id)
```

Arguments

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

Value

The user interface to the estimation population characteristics objects

estimationPowerServer *The module server for rendering the PLE power analysis results*

Description

The module server for rendering the PLE power analysis results

Usage

```
estimationPowerServer(
  id,
  selectedRow,
  inputParams,
  connection,
  resultsSchema,
  tablePrefix,
  metaAnalysisDbIds = NULL
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix
metaAnalysisDbIds	metaAnalysisDbIds

Value

the PLE systematic error power server

estimationPowerViewer *The module viewer for rendering the PLE power analysis*

Description

The module viewer for rendering the PLE power analysis

Usage

```
estimationPowerViewer(id)
```

Arguments

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

Value

The user interface to the estimation power calculation results

estimationPropensityModelServer
 The module server for rendering the propensity score model

Description

The module server for rendering the propensity score model

Usage

```
estimationPropensityModelServer(  
  id,  
  selectedRow,  
  inputParams,  
  connection,  
  resultsSchema,  
  tablePrefix  
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix

Value

the PLE propensity score model

estimationPropensityModelViewer
*The module viewer for rendering the PLE propensity score model co-
variates/coefficients*

Description

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

Usage

estimationPropensityModelViewer(id)

Arguments

id the unique reference id for the module

Value

The user interface to the estimation propensity score model covariates/coefficients

estimationPropensityScoreDistServer
The module server for rendering a PLE propensity score distribution

Description

The module server for rendering a PLE propensity score distribution

Usage

```
estimationPropensityScoreDistServer(  
  id,  
  selectedRow,  
  inputParams,  
  connection,  
  resultsSchema,  
  tablePrefix,  
  cohortTablePrefix,  
  metaAnalysisDbIds = F  
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix
cohortTablePrefix	cohortTablePrefix
metaAnalysisDbIds	metaAnalysisDbIds

Value

the PLE propensity score distribution content server

estimationPropensityScoreDistViewer
The module viewer for rendering the propensity score distribution

Description

The module viewer for rendering the propensity score distribution

Usage

estimationPropensityScoreDistViewer(id)

Arguments

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

Value

The user interface to the estimation propensity score distribution

estimationResultsTableServer

The module server for rendering the PLE results per current selections

Description

The module server for rendering the PLE results per current selections

Usage

```
estimationResultsTableServer(  
    id,  
    connection,  
    inputParams,  
    resultsSchema,  
    tablePrefix,  
    databaseTable  
)
```

Arguments

id	the unique reference id for the module
connection	the connection to the PLE results database
inputParams	the selected study parameters of interest
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix
databaseTable	databaseTable

Value

the PLE main results table server server

estimationResultsTableViewer

The module viewer for rendering the PLE main results

Description

The module viewer for rendering the PLE main results

Usage

```
estimationResultsTableViewer(id)
```

Arguments

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

Value

The user interface to the PLE main results

estimationServer	<i>The module server for the main estimation module</i>
------------------	---

Description

The module server for the main estimation module

Usage

```
estimationServer(id, resultDatabaseSettings)
```

Arguments

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

Value

the PLE results viewer main module server

estimationSubgroupsServer	<i>The module server for rendering the subgroup results</i>
---------------------------	---

Description

The module server for rendering the subgroup results

Usage

```
estimationSubgroupsServer(
  id,
  selectedRow,
  inputParams,
  exposureOfInterest,
  outcomeOfInterest,
  connection
)
```

Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
exposureOfInterest	exposureOfInterest
outcomeOfInterest	outcomeOfInterest
connection	connection

Value

the PLE subgroup results server

estimationSubgroupsViewer

The module viewer for rendering the PLE subgroup results

Description

The module viewer for rendering the PLE subgroup results

Usage

```
estimationSubgroupsViewer(id)
```

Arguments

id the unique reference id for the module

Value

The user interface to the estimation subgroup results module

estimationSystematicErrorServer

The module server for rendering the systematic error objects

Description

The module server for rendering the systematic error objects

Usage

```
estimationSystematicErrorServer(  
  id,  
  selectedRow,  
  inputParams,  
  connection,  
  resultsSchema,  
  tablePrefix,  
  metaAnalysisDbIds = NULL  
)
```


Arguments

id	the unique reference id for the module
selectedRow	the selected row from the main results table
inputParams	the selected study parameters of interest
connection	the connection to the PLE results database
resultsSchema	the schema with the PLE results
tablePrefix	tablePrefix
metaAnalysisDbIds	metaAnalysisDbIds

Value

the PLE systematic error content server

estimationSystematicErrorViewer
The module viewer for rendering the PLE systematic error objects

Description

The module viewer for rendering the PLE systematic error objects

Usage

estimationSystematicErrorViewer(id)

Arguments

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

Value

The user interface to the estimation systematic error module

estimationTitlePanelServer
The module server for rendering the estimation title

Description

The module server for rendering the estimation title

Usage

estimationTitlePanelServer(id)

Arguments

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

Value

The server for the estimation title server

estimationTitlePanelViewer	<i>The module viewer for rendering the estimation title</i>
----------------------------	---

Description

The module viewer for rendering the estimation title

Usage

estimationTitlePanelViewer(id)

Arguments

id the unique reference id for the module

Value

The user interface to the estimation title module

estimationViewer	<i>The viewer of the main estimation module</i>
------------------	---

Description

The viewer of the main estimation module

Usage

estimationViewer(id)

Arguments

id the unique reference id for the module

Value

The user interface to the estimation results viewer

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

Description

The location of the OHDSI logo

Usage

```
getLogoImage()
```

Details

Returns the location of the OHDSI logo

Value

string location of the OHDSI logo

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

Description

A selection of shiny modules for exploring standardized OHDSI results

predictionCalibrationServer	<i>The module server for exploring prediction validation results</i>
-----------------------------	--

Description

The module server for exploring prediction validation results

Usage

```
predictionCalibrationServer(
  id,
  performanceId,
  con,
  inputSingleView,
  mySchema,
  targetDialect,
  myTableAppend
)
```

Arguments

id	the unique reference id for the module
performanceId	the performance id in the database
con	the connection to the prediction result database
inputSingleView	the current tab
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the prediction calibration module

predictionCalibrationViewer

The module viewer for exploring prediction model calibration results

Description

The module viewer for exploring prediction model calibration results

Usage

```
predictionCalibrationViewer(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

`predictionCovariateSummaryServer`*The module server for exploring prediction covariate summary results*

Description

The module server for exploring prediction covariate summary results

Usage

```
predictionCovariateSummaryServer(  
  id,  
  modelDesignId,  
  developmentDatabaseId,  
  performanceId,  
  con,  
  inputSingleView,  
  mySchema,  
  targetDialect = NULL,  
  myTableAppend = ""  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>modelDesignId</code>	unique id for the model design
<code>developmentDatabaseId</code>	unique id for the development database
<code>performanceId</code>	unique id for the performance results
<code>con</code>	the connection to the prediction result database
<code>inputSingleView</code>	the current tab
<code>mySchema</code>	the database schema for the model results
<code>targetDialect</code>	the database management system for the model results
<code>myTableAppend</code>	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the covariate summary module

`predictionCovariateSummaryViewer`*The module viewer for exploring prediction covariate summary results*

Description

The module viewer for exploring prediction covariate summary results

Usage

```
predictionCovariateSummaryViewer(id)
```

Arguments

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

Details

The user specifies the id for the module

Value

The user interface to the covariate summary module

`predictionCutoffServer`*The module server for exploring prediction cut-off results*

Description

The module server for exploring prediction cut-off results

Usage

```
predictionCutoffServer(  
  id,  
  performanceId,  
  con,  
  inputSingleView,  
  mySchema,  
  targetDialect,  
  myTableAppend  
)
```

Arguments

id	the unique reference id for the module
performanceId	the performance id in the database
con	the connection to the prediction result database
inputSingleView	the current tab
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the prediction cut-off module

predictionCutoffViewer

The module viewer for exploring prediction cut-off results

Description

The module viewer for exploring prediction cut-off results

Usage

```
predictionCutoffViewer(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

predictionDesignSummaryServer

The module server for exploring prediction designs in the results

Description

The module server for exploring prediction designs in the results

Usage

```
predictionDesignSummaryServer(id, con, mySchema, targetDialect, myTableAppend)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the prediction design module

predictionDesignSummaryViewer

The module viewer for exploring prediction designs that have been run

Description

The module viewer for exploring prediction designs that have been run

Usage

```
predictionDesignSummaryViewer(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

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

Description

The module server for exploring prediction diagnostic results

Usage

```
predictionDiagnosticsServer(  
  id,  
  modelDesignId,  
  mySchema,  
  con,  
  myTableAppend,  
  targetDialect,  
  databaseTableAppend  
)
```

Arguments

<code>id</code>	the unique reference id for the module
<code>modelDesignId</code>	the unique id for the model design
<code>mySchema</code>	the database schema for the model results
<code>con</code>	the connection to the prediction result database
<code>myTableAppend</code>	a string that appends the tables in the result schema
<code>targetDialect</code>	the database management system for the model results
<code>databaseTableAppend</code>	a string that appends the database_meta_data table

Details

The user specifies the id for the module

Value

The server to the prediction diagnostic module

predictionDiagnosticsViewer

The module viewer for exploring prediction diagnostic results

Description

The module viewer for exploring prediction diagnostic results

Usage

```
predictionDiagnosticsViewer(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

predictionDiscriminationServer

The module server for exploring prediction model discrimination results

Description

The module server for exploring prediction model discrimination results

Usage

```
predictionDiscriminationServer(  
  id,  
  performanceId,  
  con,  
  inputSingleView,  
  mySchema,  
  targetDialect,  
  myTableAppend  
)
```

Arguments

id	the unique reference id for the module
performanceId	the performance id in the database
con	the connection to the prediction result database
inputSingleView	the current tab
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the model discrimination module

predictionDiscriminationViewer

The module viewer for exploring prediction model discrimination results

Description

The module viewer for exploring prediction model discrimination results

Usage

```
predictionDiscriminationViewer(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

predictionHelperFile *The location of the prediction module helper file*

Description

The location of the prediction module helper file

Usage

```
predictionHelperFile()
```

Details

Returns the location of the prediction helper file

Value

string location of the prediction helper file

predictionModelSummaryServer
 The module server for exploring prediction summary results

Description

The module server for exploring prediction summary results

Usage

```
predictionModelSummaryServer(  
  id,  
  con,  
  mySchema,  
  targetDialect,  
  myTableAppend,  
  modelDesignId,  
  databaseTableAppend = myTableAppend  
)
```

Arguments

id	the unique reference id for the module
con	the connection to the prediction result database
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema
modelDesignId	a reactable id specifying the prediction model design identifier
databaseTableAppend	a string that appends the database_meta_data table

Details

The user specifies the id for the module

Value

The server to the summary module

predictionModelSummaryViewer

The module viewer for exploring prediction summary results

Description

The module viewer for exploring prediction summary results

Usage

```
predictionModelSummaryViewer(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

predictionNbServer

The module server for exploring prediction net-benefit results

Description

The module server for exploring prediction net-benefit results

Usage

```
predictionNbServer(
  id,
  performanceId,
  con,
  inputSingleView,
  mySchema,
  targetDialect,
  myTableAppend
)
```

Arguments

id	the unique reference id for the module
performanceId	the performance id in the database
con	the connection to the prediction result database
inputSingleView	the current tab
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema

Details

The user specifies the id for the module

Value

The server to the net-benefit module

predictionNbViewer	<i>The module viewer for exploring prediction net-benefit results</i>
--------------------	---

Description

The module viewer for exploring prediction net-benefit results

Usage

```
predictionNbViewer(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

predictionServer	<i>The module server for exploring PatientLevelPrediction</i>
------------------	---

Description

The module server for exploring PatientLevelPrediction

Usage

```
predictionServer(id, resultDatabaseSettings = list(port = 1))
```

Arguments

id	the unique reference id for the module
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

predictionSettingsServer	<i>The module server for exploring prediction settings</i>
--------------------------	--

Description

The module server for exploring prediction settings

Usage

```
predictionSettingsServer(  
  id,  
  modelDesignId,  
  developmentDatabaseId,  
  performanceId,  
  mySchema,  
  con,  
  inputSingleView,  
  myTableAppend,  
  targetDialect,  
  cohortTableAppend = myTableAppend  
)
```

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
mySchema	the database schema for the model results
con	the connection to the prediction result database
inputSingleView	the current tab
myTableAppend	a string that appends the tables in the result schema
targetDialect	the database management system for the model results
cohortTableAppend	a string that appends the cohort_definition table

Details

The user specifies the id for the module

Value

The server to the settings module

predictionSettingsViewer

The module viewer for exploring prediction settings

Description

The module viewer for exploring prediction settings

Usage

```
predictionSettingsViewer(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

predictionValidationServer

The module server for exploring prediction validation results

Description

The module server for exploring prediction validation results

Usage

```
predictionValidationServer(
  id,
  modelDesignId,
  developmentDatabaseId,
  performanceId,
  con,
  inputSingleView,
  mySchema,
  targetDialect = NULL,
  myTableAppend = NULL,
  databaseTableAppend = myTableAppend
)
```

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
con	the connection to the prediction result database
inputSingleView	the current tab
mySchema	the database schema for the model results
targetDialect	the database management system for the model results
myTableAppend	a string that appends the tables in the result schema
databaseTableAppend	a string that appends the database_meta_data table

Details

The user specifies the id for the module

Value

The server to the validation module

predictionValidationViewer

The module viewer for exploring prediction validation results

Description

The module viewer for exploring prediction validation results

Usage

predictionValidationViewer(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

predictionViewer

The module viewer for exploring PatientLevelPrediction

Description

The module viewer for exploring PatientLevelPrediction

Usage

predictionViewer(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

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