Package 'BiasCorrector'

October 17, 2024

2 launch_app

module_correctedplots_ui	6
module_correctedstatistics_ui	6
module_correctedstats_server	7
module_experimentalfile_server	8
module_experimentalfile_ui	9
module_fileupload_server	0
module_fileupload_ui	1
module_info_server	2
module_info_ui	3
module_log_server	3
module_log_ui	4
module_modelselection_server	5
module_modelselection_ui	6
module_plotting_server	7
module_plotting_ui	8
module_results_server	8
module_results_ui	9
module_settings_server	0
module_settings_ui	1
module_statistics_server	2
module_statistics_ui	3

24

launch_app

Launch BiasCorrector

Description

Launch BiasCorrector

Usage

Index

```
launch_app(
  port = 3838,
  plotdir = "plots",
  csvdir = "csv",
  logfilename = "biascorrector.log",
  maxfilesize = 100,
  parallel = TRUE
)
```

Arguments

port The port, BiasCorrector is running on (default: 3838)

plotdir A character string. Defaults to 'plots'. This directory is being created inside

tempdir.

csvdir A character string. Defaults to 'csv'. This directory is being created inside

tempdir.

logfilename A character string. The name of the logfile (default = biascorrector.log).

maxfilesize A positive integer. The maximum file size allowed for upload.

parallel A boolean. If TRUE (default), initializing 'future::plan("multiprocess")' before

running the code.

Value

The function returns the BiasCorrector shiny application.

Examples

```
if (interactive()) {
launch_app()
}
```

```
module_calibrationfile_server
```

module_calibrationfile_server

Description

```
module_calibrationfile_server
```

Usage

```
module_calibrationfile_server(input, output, session, rv, input_re, ...)
```

Arguments

input Shiny server input object output Shiny server output object session Shiny session object

rv The global 'reactive Values()' object, defined in server.R

input_re The Shiny server input object, wrapped into a reactive expression: input_re =

reactive({input})

... Further arguments, such as 'logfilename', 'csvdir' and 'plotdir'

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_calibrationfile_server,
   "moduleCalibrationFile",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

Description

```
module_calibrationfile_ui
```

Usage

```
module_calibrationfile_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
module\_corrected plots\_server \\ module\_corrected plots\_server
```

Description

```
module\_corrected plots\_server
```

Usage

```
module_correctedplots_server(input, output, session, rv, input_re, ...)
```

Arguments

input	Shiny server input object
output	Shiny server output object
session	Shiny session object
rv	The global 'reactiveValues()' object, defined in server.R
input_re	The Shiny server input object, wrapped into a reactive expression: input_re = reactive({input})
	Further arguments, such as 'logfilename', 'csvdir' and 'plotdir'

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_correctedplots_server,
   "moduleCorrectedPlots",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

```
module\_corrected plots\_ui\\ module\_corrected plots\_ui
```

Description

module_correctedplots_ui

Usage

```
module_correctedplots_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
module\_corrected statistics\_ui\\ module\_corrected statistics\_ui
```

Description

module_correctedstatistics_ui

Usage

```
module_correctedstatistics_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
if (interactive()) {
    shinydashboard::tabItems(
        shinydashboard::tabItem(
        tabName = "correctedstats",
        module_correctedstatistics_ui(
        "moduleCorrectedStats"
      )
    )
   )
}
```

```
module_correctedstats_server
```

 $module_corrected stats_server$

Description

```
module\_corrected stats\_server
```

Usage

```
module_correctedstats_server(input, output, session, rv, input_re)
```

Arguments

input	Shiny server input object
output	Shiny server output object
session	Shiny session object

rv The global 'reactive Values()' object, defined in server.R

input_re The Shiny server input object, wrapped into a reactive expression: input_re =

reactive({input})

Value

The function returns a shiny server module.

See Also

https://shiny.rstudio.com/articles/modules.html

Examples

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_correctedstats_server,
   "moduleCorrectedStats",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

Description

module_experimentalfile_server

Usage

```
module_experimentalfile_server(input, output, session, rv, ...)
```

Arguments

```
input Shiny server input object
output Shiny server output object
session Shiny session object
```

rv The global 'reactiveValues()' object, defined in server.R

... Further arguments, such as 'logfilename', 'csvdir' and 'plotdir'

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_experimentalfile_server,
   "moduleExperimentalFile",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

Description

module_experimentalfile_ui

Usage

```
module_experimentalfile_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
module\_fileupload\_server \\ module\_fileupload\_server
```

Description

```
module_fileupload_server
```

Usage

```
module_fileupload_server(input, output, session, rv, input_re, ...)
```

Arguments

input	Shiny server input object
output	Shiny server output object
session	Shiny session object
rv	The global 'reactive Values()' object, defined in server.R
input_re	The Shiny server input object, wrapped into a reactive expression: input_re = reactive({input})
	Further arguments, such as 'logfilename', 'csvdir' and 'plotdir'

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_fileupload_server,
   "moduleEileUpload",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

module_fileupload_ui

11

Description

```
module_fileupload_ui
```

Usage

```
module_fileupload_ui(id, ...)
```

Arguments

id A character. The identifier of the shiny object

... Further arguments, such as 'maxfilesize'

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
if (interactive()) {
    shinydashboard::tabItems(
        shinydashboard::tabItem(
        tabName = "fileupload",
        module_fileupload_ui(
        "moduleFileUpload",
        maxfilesize = maxfilesize
    )
    )
)
```

module_info_server

module_info_server me

module_info_server

Description

```
module_info_server
```

Usage

```
module_info_server(input, output, session, rv, input_re)
```

Arguments

input Shiny server input object output Shiny server output object session Shiny session object

rv The global 'reactiveValues()' object, defined in server.R

input_re The Shiny server input object, wrapped into a reactive expression: input_re =

reactive({input})

Value

The function returns a shiny server module.

See Also

https://shiny.rstudio.com/articles/modules.html

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
    module_info_server,
    "moduleInfo",
    rv = rv,
    logfilename = logfilename
)
}</pre>
```

module_info_ui 13

module_info_ui

module_info_ui

Description

```
module_info_ui
```

Usage

```
module_info_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

module_log_server

 $module_log_server$

Description

```
module_log_server
```

Usage

```
module_log_server(input, output, session, rv, input_re, ...)
```

14 module_log_ui

Arguments

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_log_server,
   "moduleLog",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

module_log_ui

module_log_ui

Description

```
module_log_ui
```

Usage

```
module_log_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
module\_modelselection\_server \\ module\_modelselection\_server
```

Description

```
module_modelselection_server
```

Usage

```
module_modelselection_server(input, output, session, rv, input_re)
```

Arguments

Value

The function returns a shiny server module.

See Also

https://shiny.rstudio.com/articles/modules.html

Examples

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_modelselection_server,
   "moduleModelSelection",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

```
module_modelselection_ui
```

module_modelselection_ui

Description

module_modelselection_ui

Usage

```
module_modelselection_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
if (interactive()) {
    shinydashboard::tabItems(
        shinydashboard::tabItem(
        tabName = "modelselection",
        module_modelselection_ui(
        "moduleModelSelection"
```

```
module_plotting_server
```

```
)
)
}
```

```
module_plotting_server
```

module_plotting_server

Description

```
module_plotting_server
```

Usage

```
module_plotting_server(input, output, session, rv, input_re, ...)
```

Arguments

input	Shiny server input object
output	Shiny server output object
session	Shiny session object

rv The global 'reactive Values()' object, defined in server.R

input_re The Shiny server input object, wrapped into a reactive expression: input_re =

reactive({input})

... Further arguments, such as 'logfilename', 'csvdir' and 'plotdir'

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_plotting_server,
   "modulePlotting",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

module_results_server

Description

```
module_plotting_ui
```

Usage

```
module_plotting_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
module_results_server
module_results_server
```

Description

```
module_results_server
```

Usage

```
module_results_server(input, output, session, rv, input_re, ...)
```

module_results_ui 19

Arguments

input	Shiny server input object
output	Shiny server output object
session	Shiny session object
rv	The global 'reactiveValues()' object, defined in server.R
input_re	The Shiny server input object, wrapped into a reactive expression: input_re = reactive({input})
	Further arguments, such as 'logfilename', 'csvdir' and 'plotdir'

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
  module_results_server,
  "moduleResults",
  rv = rv,
  logfilename = logfilename
)
}</pre>
```

module_results_ui

module_results_ui

Description

```
module_results_ui
```

Usage

```
module_results_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Examples

```
module_settings_server
```

module_settings_server

Description

```
module_settings_server
```

Usage

```
module_settings_server(input, output, session, rv, input_re, ...)
```

Arguments

... Further arguments, such as 'logfilename', 'csvdir' and 'plotdir'

Value

The function returns a shiny server module.

module_settings_ui 21

See Also

https://shiny.rstudio.com/articles/modules.html

Examples

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_settings_server,
   "moduleSettings",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

module_settings_ui

module_settings_ui

Description

```
module_settings_ui
```

Usage

```
module_settings_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
if (interactive()) {
    shinydashboard::tabItems(
        shinydashboard::tabItem(
        tabName = "settings",
        module_settings_ui(
        "moduleSettings"
        )
```

```
)
)
}
```

```
module\_statistics\_server \\ module\_statistics\_server
```

Description

```
module_statistics_server
```

Usage

```
module_statistics_server(input, output, session, rv, input_re)
```

Arguments

input	Shiny server input object
output	Shiny server output object
session	Shiny session object
rv	The global 'reactiveValues()' object, defined in server.R
input_re	The Shiny server input object, wrapped into a reactive expression: input_re = reactive({input})

Value

The function returns a shiny server module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

```
if (interactive()) {
rv <- list()
logfilename <- paste0(tempdir(), "/log.txt")
shiny::callModule(
   module_statistics_server,
   "moduleStatistics",
   rv = rv,
   logfilename = logfilename
)
}</pre>
```

module_statistics_ui 23

Description

```
module_statistics_ui
```

Usage

```
module_statistics_ui(id)
```

Arguments

id

A character. The identifier of the shiny object

Value

The function returns a shiny ui module.

See Also

```
https://shiny.rstudio.com/articles/modules.html
```

Index

launch_app, 2 module_calibrationfile_server, 3 module_calibrationfile_ui, 4 module_correctedplots_server, 5 module_correctedplots_ui, 6 module_correctedstatistics_ui, 6 module_correctedstats_server, 7 module_experimentalfile_server, 8 module_experimentalfile_ui, 9 module_fileupload_server, 10 module_fileupload_ui, 11 module_info_server, 12 module_info_ui, 13 module_log_server, 13 module_log_ui, 14 module_modelselection_server, 15 module_modelselection_ui, 16 module_plotting_server, 17 module_plotting_ui, 18 module_results_server, 18 module_results_ui, 19 ${\tt module_settings_server, 20}$ module_settings_ui, 21 module_statistics_server, 22 module_statistics_ui, 23