

Package ‘EventDetectGUI’

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Type Package

Title Graphical User Interface for the 'EventDetectR' Package

Version 0.3.0

Description A graphical user interface for open source event detection.

Encoding UTF-8

LazyData true

Repository CRAN

Depends R (>= 3.1.0),

Imports EventDetectR, shinyBS, shiny, shinydashboard, shinyjs, XML,
plotly, tools, DT, stats, utils, ggplot2

Suggests roxygen2, shinytest, testthat, devtools

License GPL-3

RoxygenNote 6.1.1

NeedsCompilation no

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checkInputCorrectness *checkInputCorrectness*

Description

Main Input checking function, calls all subChecks and creates User-Dialogs for the respective problems.

Usage

checkInputCorrectness(input)

Arguments

input GUI Inputs

Value

TRUE for correct user input, FALSE for a faulty configuration

geccoIC2018Test *geccoIC2018Test*

Description

2018s Test set of the gecco industrial challenge - <http://www.spotseven.de/gecco/gecco-challenge/>

geccoIC2018Train *geccoIC2018Train*

Description

2018s train set of the gecco industrial challenge - <http://www.spotseven.de/gecco/gecco-challenge/>

getServer	<i>Generate Server Part of GUI</i>
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Description

Generates the server part of the GUI. This method is used internally in the starting process of the GUI. Manual use of this function is not advised.

Usage

```
getServer(input, output, session)
```

Arguments

input	shiny UI-input
output	shiny UI-output
session	shiny UI-session

Value

None

getUIPage	<i>Defines the shiny UI-part of the GUI</i>
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Description

Generates the UI part of the GUI. This method is used internally in the starting process, manual use of this function is not advised.

Usage

```
getUIPage()
```

Value

None

packageDataEnv *Package Data Environment*

Description

Data Environment for storage and variable exchange between functions

Usage

packageDataEnv

Format

An object of class environment of length 0.

runGUI *runGUI*

Description

Run the starting command of the EventDetectGUI. Opens the graphical shiny application through which the user can access the algorithms and visualizations.

Usage

runGUI()

Value

None

stationBData *stationBData*

Description

Data for package testing purposes

xmlGetRootElement *xmlGetAllConfiguredControlElements*

Description

Parses the config.xml file. Reads all entries for preProcess, postProcess and algorithm For each configured entrie, a list with the entries name and all of its configurable parameters is returned.

Usage

`xmlGetRootElement()`

Value

List with all configured preProcess, postProcess and algorithms as well as their respective parameters.

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