Package 'interimApp'

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Title App for Scheduling Interim Analyses in Clinical Trials

Version 0.0.1

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Description Allows an interactive assessment of the timing of interim analyses. The algorithm simulates both the recruitment and treatment/event phase of a clinical trial based on the package 'interim'.

License GPL

Encoding UTF-8

LazyData true

Depends interim, shiny, shinyBS

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

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R topics documented:

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centerPlot	*Creates center plot diplaying the cumulative number of centers that have been opened as well as the cumulative number of centers that have been closed, if applicable, per trial week.*

Description

Based on the function `trialCourse` and `eventCourse`.

Usage

```
centerPlot(r)
```

Arguments

r	recruitment scenario calculated with function `recruitment` of the interim package.

Details

Requires

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eventPlot	*Creates event plot diplaying the number of patients that have been screened and enrolled per trial week. If the parameter* `e1` *are not* `NULL`, *then the number of events and number of drop-out before the first event is also displayed.*

Description

Based on the function `eventCourse`.

Usage

```
eventPlot(r, e1 = NULL)
```

Arguments

r	recruitment scenario calculated with function `recruitment` of the interim package and
e1	*optional* for the simulation of the event simulation from function `event` of the interim package.

Details

Requires

launch_interim	*launch_interim - Launches the interim ,application*

Description

Starts the interim application in the client's browser.

Usage

```
launch_interim(host = "127.0.0.1", port = NULL, browser = NULL)
```

Arguments

host	host link (defaults to the local machine "127.0.0.1")
port	port number (randomly chosen unless specified as a certain number)
browser	path to browser exe (defaults to standard browser)

Details

Further information on how to use this application can be found in the vignette of this package.

Value

A shiny app Table: Re-active UI

Examples

```
## Not run:
## Launch application on localhost (127.0.0.1)
## -----------------------------------------
## By default launch_interim starts the application on localhost
## and a randomly selected port (e.g. 9876), in which case you can connect
## to the running application by navigating your browser to
## http://localhost:9876.
launch_interim()

## Launch application on a different host
## -------------------------------------
## You can also run the application on a different host
## by specifying a hostname and port. Just make sure to
## use an open port on your machine. Here "open" means
## that the port should not be used by another service
## and the port is opened by your firewall.
launch_interim(host="your-hostname", port=8888)


## Make the application available to your coworkers
## ----------------------------------------------
## within your local area network even without a
```

```
## dedicated Shiny server. The value set through the
## host argument says to accept any connection (not just from localhost).
## Then take note of your local IP (if you are under linux,
## you can see it through ifconfig). Say your IP is 192.168.1.70.
## Your colleagues can use your app by inserting in the address
## bar of their browser 192.168.1.70:8888, i.e. your IP followed
## by : and the port number you selected.
launch_interim(host="0.0.0.0", port=8888)

## Launch application on a different browser
## --------------------------------------
## To run the shiny app on a different browser than your standard browser
## use the "browser" argument to set the path to the respective .exe file.
launch_interim(browser = "C:/Program Files/Mozilla Firefox/firefox.exe")

## End(Not run)
```

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treatmentPlot	*Creates patient plot diplaying the number of patients that have been screened and enrolled per trial week. If the parameter* t1 *are not* NULL, *then the number of patients finished treatment is also displayed.*

Description

Based on the function `trialCourse`.

Usage

```
treatmentPlot(r, t1 = NULL)
```

Arguments

r	recruitment scenario calculated with function `recruitment` of the interim package and
t1	*optional* for the simulation of the treatment phase simulation from function `treatment` of the interim package.

Details

Requires

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