Package ‘elaborator’

February 22, 2021

Title A 'shiny' Application for Exploring Laboratory Data

Version 1.1

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Description A novel concept for generating knowledge and gaining insights into laboratory data. You will be able to efficiently and easily explore your laboratory data from different perspectives.

Depends R (>= 3.5.0), seriation

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Encoding UTF-8

Imports shiny, dplyr, purrr, rlang, tidyr, forcats, RColorBrewer,
        bsplus, dendextend, haven, reshape2, shape, shinyWidgets,
        shinydashboard

LazyData true

RoxygenNote 7.1.1

NeedsCompilation no

Repository CRAN

Date/Publication 2021-02-22 18:00:02 UTC

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launch_elaborator  
*Launches the elaborator application*

**Description**

Starts the elaborator application in the client’s browser.

**Usage**

```r
launch_elaborator(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)

**Value**

A shiny app

**Examples**

```r
if(interactive()){
  ## Launch application on localhost (127.0.0.1)
  ## -------------------------------------------
  ## By default launch_elaborator 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
  launch_elaborator()

  ## 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_elaborator(host="your-hostname", port = 8888, browser = NULL)

  ## 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_elaborator(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_elaborator(browser = "C:/Program Files/Mozilla Firefox/firefox.exe")
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