# Package 'elaborator'

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**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

**License** GPL-3

**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

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## R topics documented:

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launch_elaborator              *Launches the elaborator application*

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**Description**

Starts the elaborator application in the client's browser.

**Usage**

```
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**

```
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
## http://localhost:9876.
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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