

Package ‘adepro’

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Type Package

Title A 'shiny' Application for the (Audio-)Visualization of Adverse Event Profiles

Version 2.0.0

Author Nicole Mentenich, Jens Hooge, Bastian Becker, Christoph Tasto

Maintainer Nicole Mentenich <nicole.mentenich@bayer.com>

Description Contains a 'shiny' application called AdEPro (Animation of Adverse Event Profiles) which (audio-)visualizes adverse events occurring in clinical trials. As this data is usually considered sensitive, this tool is provided as a stand-alone application that can be launched from any local machine on which the data is stored.

Depends R (>= 3.3.0)

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

Imports shiny, shinyBS, graphics, audio, shape, Cairo, MASS

Suggests knitr, rmarkdown, testthat

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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R topics documented:

ae_data	2
launch_adepro	2
patient_data	4

Index	5
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 ae_data

Example data set with simulated adverse event information

Description

Example data set with simulated adverse event information

Usage

ae_data

Format

A data frame with the following variables (in this order):

day_start study day of start of the adverse event

day_end study day of end of the adverse event

patient subject ID

ae adverse event (AE) term

sev severity of the adverse event (1-mild, 2-moderate, 3-severe)

trtem treatment-emergent adverse event (1-yes, 0-no)

ser serious adverse event (1-yes, 0-no)

 launch_adepro

launch_adepro - Launches the AdEPro application

Description

Starts the AdEPro application in the client's browser.

Usage

launch_adepro(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

Examples

```
## Not run:
## Launch application on localhost (127.0.0.1)
## -----
## By default launch_adepro 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_adepro()

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

## Running AdEPro on test data
## -----
write.csv(ae_data, file=paste(tempdir(), "\\ae_data.csv", sep=""), row.names=FALSE)
write.csv(patient_data, file=paste(tempdir(), "\\patient_data.csv", sep=""), row.names=FALSE)
## Load ae_data.csv and patient_data.csv in the Upload data panel after
## launching the application.

## End(Not run)
```

patient_data

Example data set with simulated patient information

Description

Example data set with simulated patient information

Usage

patient_data

Format

A data frame with the following variables (in this order):

ps subject ID

treat treatment group

end study day of drop out

death study day of death

Index

*Topic **adepro**

 launch_adepto, [2](#)

*Topic **datasets**

 ae_data, [2](#)

 patient_data, [4](#)

ae_data, [2](#)

launch_adepto, [2](#)

patient_data, [4](#)