Package: rave (via r-universe)

October 15, 2026

Type Package

Title R Analysis and Visualization of 'ECOG/iEEG' Data

Version 1.99.0

Description R Analysis and Visualization of 'ECOG/iEEG' Data RAVE provides cross-platform analysis and visualizations for neuroscience 'ECoG/iEEG' data by ``just clicking buttons''. This package include: (a) pre-processing of 'ECoG/iEEG' raw data into 'HDF5' format (a cross-platform data format that can be used for R, Matlab, Python, Java and C/C++); (b) 'ECoG/iEEG' epoch and visualizations in real time; (c) Users can write customized analysis as R packages and easily insert into RAVE for interactive visualizations. (d) 3D viewers driven by 'WebGL'.

License GPL-3

Encoding UTF-8

Language en-US

URL https://rave.wiki, https://beauchamplab.github.io/rave/

BugReports https://github.com/beauchamplab/rave/issues

Imports utils, ravetools, ravedash, ravecore, ravepipeline, shiny (>= 1.0.5), stringr (>= 1.2.0)

Suggests threeBrain (>= 0.2.1), spelling, testthat (>= 3.0.0)

Config/roxygen2/version 8.0.0

Config/pak/sysreqs cmake libfftw3-dev git libglpk-dev make libicu-dev libpng-dev libuv1-dev libxml2-dev libssl-dev python3 libzmq3-dev zlib1g-dev

Repository https://rave-ieeg.r-universe.dev

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RemoteUrl https://github.com/beauchamplab/rave

RemoteRef HEAD

RemoteSha b05f43e6e341ff47554bc835b29007837b6a6141

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`start_rave` *Start 'RAVE' main application*

Description

Start 'RAVE' main application

Usage

```
start_rave2(
  host = "127.0.0.1",
  port = NULL,
  launch.browser = TRUE,
  jupyter = FALSE,
  as_job = FALSE,
  ...
)

start_rave(
  host = "127.0.0.1",
  port = NULL,
  launch.browser = TRUE,
  jupyter = FALSE,
  as_job = FALSE,
  ...
)
```

Arguments

`host`	host IP address; default is `"127.0.0.1"`
`port`	integer port number; default is random
`launch.browser`	whether to launch browser; default is true
`jupyter`	whether to launch the 'Jupyter' server; default is false
`as_job`	whether to launch in the background as an 'RStudio' job; available only in 'RStudio'
`...`	passed to `start_session`

Value

A 'shiny' application object (invisibly when launched as a job).

See Also

start_session

Examples

```
if (interactive()) {

start_rave()

}
```

---

start_yael *Start 'YAEL' electrode localization*

Description

Start 'YAEL' electrode localization

Usage

```
start_yael(
  host = "127.0.0.1",
  port = NULL,
  launch.browser = TRUE,
  as_job = FALSE,
  ...
)
```

Arguments

host	host IP address
port	integer port number; default is random
launch.browser	whether to launch browsers
as_job	whether to launch in background; available only in 'RStudio'
...	passed to start_session

Value

A 'shiny' application object (invisibly when launched as a job).

Examples

```
if (interactive()) {

start_yael()

}
```

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