

Package ‘shinybrms’

September 13, 2020

Title Graphical User Interface ('Shiny' App) for Package 'brms'

Version 1.4.0

Date 2020-09-12

Description A graphical user interface (GUI) for fitting Bayesian regression models using the package 'brms' which in turn relies on 'Stan' (<<https://mc-stan.org/>>). The 'shinybrms' GUI is a 'Shiny' (<<https://shiny.rstudio.com/>>) app.

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URL <https://fweber144.github.io/shinybrms/>,
<https://github.com/fweber144/shinybrms>

BugReports <https://github.com/fweber144/shinybrms/issues>

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

Depends R (>= 3.6.0)

Imports shiny (>= 1.4.0), brms (>= 2.13.3), rstan (>= 2.19.3)

Suggests shinystan (>= 2.4.0), callr (>= 3.4.0), rstanarm, MASS, lme4, testthat, shinytest

NeedsCompilation no

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launch_shinybrms *Launch the **shinybrms** Shiny app*

Description

This function launches the **shinybrms** Shiny app.

Usage

```
launch_shinybrms(...)
```

Arguments

... Arguments passed to `shiny::runApp()`. For example, in order to force launching the Shiny app in the system's default web browser (even if using RStudio), set argument `launch.browser` to `TRUE`.

Value

`TRUE` (invisible).

Note

The following global options are introduced by **shinybrms**:

- `shinybrms.prog_browser`: The value for the global option browser to be used for opening the **Stan** progress file (an HTML file). Defaults to option `browser` (see `base::options()`). Note that RStudio's default for option `browser` cannot be used for the Stan progress file. Therefore, **shinybrms** automatically redefines RStudio's default for option `browser` to fix this issue.
- `shinybrms.shinystan_browser`: The value for the global option browser to be used for opening the **shinystan** app. Defaults to option `browser` (see `base::options()`). Note that RStudio's default for option `browser` cannot be used for opening the **shinystan** app from within **shinybrms**. Therefore, **shinybrms** automatically redefines RStudio's default for option `browser` to fix this issue.

The only other global option used by **shinybrms** is `mc.cores` (see `base::options()`): If option `mc.cores` is set, then the advanced option "Cores" (in the **shinybrms** app) defaults to the value of this option. If option `mc.cores` is not set, then the advanced option "Cores" defaults to the value returned by `parallel::detectCores()`.

Note that **shinystan**'s global option `shinystan.rstudio` (see `shinystan::launch_shinystan()`) may not be used here as **shinystan** is called from an external R process where RStudio's browsers are not available.

Examples

```
if(interactive()){
  launch_shinybrms(launch.browser = TRUE)
}
```

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