

Package: bmsma (via r-universe)

March 13, 2025

Title What the Package Does (One Line, Title Case)

Version 0.0.0.9000

Description What the package does (one paragraph).

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Biarch true

Depends R (>= 3.4.0)

Imports methods, purrr, Rcpp (>= 0.12.0), RcppParallel (>= 5.0.1),
rlang, rstan (>= 2.18.1), rstantools (>= 2.3.1.1), stats

LinkingTo BH (>= 1.66.0), Rcpp (>= 0.12.0), RcppEigen (>= 0.3.3.3.0),
RcppParallel (>= 5.0.1), rstan (>= 2.18.1), StanHeaders (>= 2.18.0)

SystemRequirements GNU make

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

Config/pak/sysreqs make

Repository <https://traitecoevo.r-universe.dev>

RemoteUrl <https://github.com/traitecoevo/bmsma>

RemoteRef HEAD

RemoteSha 00ea80f3271503c5c17aa4bba299534911875239

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bmsma_assign_data *Assign data to template*

Description

Assign data to template

Usage

```
bmsma_assign_data(model_template, ...)
```

Arguments

model_template output from bmsma_model
 ... data-masking name-value pairs

Value

updated named list with your data assigned to Stan model parameters

Examples

```
bmsma_model("ols") |> bmsma_assign_data(X = Loblolly$age, Y = Loblolly$height)
```

bmsma_model *Select data configuration template for bmsma supported model*

Description

Select data configuration template for bmsma supported model

Usage

```
bmsma_model(model = NULL)
```

Arguments

model model name character string

Value

named list that matches Stan model parameters

Examples

```
bmsma_model("ols")
```

`bmsma_run`*Run a linear model in Stan*

Description

Run a linear model in Stan

Usage

```
bmsma_run(model_template, ...)
```

Arguments

`model_template` model template generated by `bmsma_model` and updated by `bmsma_assign_data`
`...` additional arguments passed to `rstan::sampling`

Value

Stanfit model output

Examples

```
bmsma_model("ols") |>  
  bmsma_assign_data(X = Loblolly$age,  
                   Y = Loblolly$height,  
                   N = nrow(Loblolly)) |>  
  bmsma_run()
```

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