Package: JuliaFormulae (via r-universe)

August 23, 2024

Title Translate R Regression Model Formulae to 'Julia' Syntax

Version 0.1.0

Description Metaprogramming utilities for converting R regression model formulae to equivalents in 'Julia' <doi:10.1137/141000671>, via modifications to the abstract syntax tree. Supports translations in zero correlation random effects syntax, protection of expressions to be evaluated as-is, interaction terms, and more. Accepts strings or R formula objects and returns modified R formula objects where possible (or a modified string, if not a valid formula in R).

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Depends R (>= 4.1.0)

Imports rrapply, stats, utils

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Repository https://yjunechoe.r-universe.dev

RemoteUrl https://github.com/yjunechoe/JuliaFormulae

RemoteRef HEAD

RemoteSha 3ebeffc07be3bcd375a2607c753aa53ed5d3260b

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has_bars *Utilities for formula random effects structure*

Description

Utilities for formula random effects structure

Usage

```
has_bars(x, type = c("both", "single", "double"))

find_bars(x)

no_bars(x)
```

Arguments

x	A formula object
type	One of "both", "single", or "double". Defaults to "both".

Value

A modified formula object

Examples

```
has_bars(y ~ x)
has_bars(y ~ x + (x | g))
has_bars(y ~ x + (x | g), type = "double")

find_bars(y ~ x)
find_bars(y ~ x + (x | g))

no_bars(y ~ x)
no_bars(y ~ x + (x | g))
```

julia_formula *Convert R formula to Julia syntax*

Description

Convert R formula to Julia syntax

Usage

```
julia_formula(x)
```

Arguments

x	A formula object

Value

A Julia-compatible formula object

Examples

```
julia_formula(y ~ a)

julia_formula(y ~ a + I(a ^ 2) + (a || b))
```

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