Package: nimbleJSextras (via r-universe)

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Type Package

Title Aadditional Functions and Distributions For Bayesian Inference Of Jolly-Seber Models For The NIMBLE Package

Version 0.0.9024

Description More about what it does (maybe more than one line). Continuation lines should be indented.

Imports nimble, nimbleEcology

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

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Contents

dJS_binom 2
dJS_pois 2
make_nimble_icar 2

Index **4**

`dJS_binom` *Binomial addition*

Description

Binomial addition

Usage

```
dJS_binom(x, init, prob, size, probTrans, pstar, weight = 1, len = 0, log = 0)
```

`dJS_pois` *Poission observations*

Description

Poission observations

Usage

```
dJS_pois(x, init, rate, probTrans, pstar, weight = 1, len = 0, log = 0)
```

`make_nimble_icar` *Create liest arguments for a random walk of order 'p'.to be used in the 'dcar_normal' distribution*

Description

This function calculates the entries for a precision matrix for a random walk of order 'p'.

Usage

```
make_nimble_icar(n, p = 1)
```

Arguments

`n`	The length of the RW(p) process. The length must be greater than or equal to `2*p`.
`p`	The order of the random walk process.

Value

A list with elements: ‘adj‘, ‘weights‘, and ‘num‘ for use with the ‘dcar_normal‘ distribution in ‘nimble‘ models

References

H. Rue and L. Held (2005) Gaussian Markov Random Fields. Chapman & Hall/CRC. 263 pp.

Index

dJS_binom, 2
dJS_pois, 2

make_nimble_icar, 2