Package: tnorm (via r-universe)

May 16, 2026

Version 0.0.1

Title Truncated Normal Distribution

Description Truncated Normal Distributions can be generated by other packages such as msm, but these are slow. tnorm is a faster C++ replacement.

Depends R (>= 3.2.4)

License GPL-3

SystemRequirements C++11

NeedsCompilation yes

LazyData true

Imports Rcpp (>= 0.12.4), truncnorm

Suggests testthat

LinkingTo Rcpp

URL https://github.com/mpadge/hotspotr

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Description

Generates truncated normal distributions. Current best R method is `msm::rtnorm`, but this is entirely R-based and therefore s l o w. `trunc-norm` is `Rcpp`-based and much faster.

Functions

`tnormn`	The sole function; used to generate truncated normal distributions

tnormn *tnormn*

Description

Generates a truncated normal distribution

Usage

```
tnormn(n, sd, seed)
```

Arguments

`n`	Number of truncated normally distributed observations to be simulated
`sd`	Standard deviation of truncated normal distribution
`seed`	Random seed

Value

A vector of n truncated normally distributed values

Examples

```
x <- tnormn (n=100, sd=0.1)
```

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