

Package ‘StanHeaders’

September 16, 2015

Date 2015-09-16

Title C++ Header Files for Stan

URL <http://mc-stan.org/>

Description The C++ header files of the Stan project are provided by this package, but it contains no R code, shared objects, vignettes, or function documentation. It is only useful for developers who want to utilize the `LinkingTo` directive of their package's `DESCRIPTION` file to build on the Stan library without incurring unnecessary dependencies. The Stan project develops a probabilistic programming language that implements full Bayesian statistical inference via Markov Chain Monte Carlo and (optionally penalized) maximum likelihood estimation via optimization. The Stan library includes an advanced automatic differentiation scheme, templated statistical and linear algebra functions that can handle the automatically differentiable scalar types (and doubles, ints, etc.), and a parser for the Stan language. The 'rstan' package provides user-facing R functions to parse, compile, test, estimate, and analyze Stan models.

Suggests RcppEigen, BH

Version 2.8.0

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NeedsCompilation no

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Date/Publication 2015-09-16 18:53:03

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StanHeaders-package *The Stan C++ Library Headers*

Description

The Stan project implements Markov Chain Monte Carlo and optimization for statistical models. This R package provides the Stan header files so that they can easily be used by other R packages.

Details

Package: StanHeaders
 Type: Package
 Version: 2.7.0
 Date: 2015-07-16
 License: BSD 3 clause

There are no R functions, only C++ headers. To use the Stan Math Library, it is sufficient to include `LinkingTo: StanHeaders` in the DESCRIPTION file of another package. The Stan Math Library is sufficient for many purposes. If, in addition, another package needs to utilize the MCMC, optimization, or parsing facilities of **StanHeaders**, then it is also necessary to include the `src` directory of **StanHeaders** in the other package's `PKG_CPPFLAGS`. For an example of such a `Makevars`, see <https://raw.githubusercontent.com/stan-dev/rstan/develop/rstan/rstan/src/Makevars>.

Author(s)

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References

<http://mc-stan.org>

Examples

No examples because there are no R functions.

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