

# Package: staninside (via r-universe)

September 12, 2024

**Title** Facilitating the Use of Stan Within Packages

**Version** 0.0.3

**Description** This package provides helper functions that can be used for integrating Stan code driven by the CmdStanR package. Using CmdStanR and pre-written Stan code can make package installation easy and less prone to fail because it removes the need for Rcpp and RStan packages (and their dependencies). Using CmdStanR will also afford users the opportunity to use the latest developments within CmdStan. However, building these packages requires some work and this package provides tools to assist with that,

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**URL** <https://github.com/medewitt/staninside>,  
<https://michaeldewittjr.com/staninside/>

**BugReports** <https://github.com/medewitt/staninside/issues>

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.1.2

**Depends** R (>= 3.1)

**Suggests** knitr, covr, spelling, testthat (>= 3.0.0), rmarkdown

**Imports** cli, fs, rappdirs

**Language** en-US

**Config/testthat/edition** 3

**VignetteBuilder** knitr

**Repository** <https://medewitt.r-universe.dev>

**RemoteUrl** <https://github.com/medewitt/staninside>

**RemoteRef** HEAD

**RemoteSha** 2a27a54f87fe26bd45ed72a000621c9d7762e248

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clear_stan_cache	<i>Clear Stan Cache</i>
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### Description

This function clears anything that may exist in the Stan Cache. Most Commonly if you are using the CmdStan backend, you'll have items in your cache.

### Usage

```
clear_stan_cache(pkgname)
```

### Arguments

pkgname            a string, the name of the package

### Value

invisible null

### Warning

This will removed cached models and requires that rappdirs is installed

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copy_models	<i>Copy Stan Models</i>
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### Description

This function extracts the Stan Code from a Package and then copies it to your user cache locally.

### Usage

```
copy_models(pkgname = "staninside", local_location = NULL)
```

### Arguments

pkgname            a string, the name of the package  
 local\_location    a file path representing the desired location of the local copy.

**Value**

file path of newly created files

**Examples**

```
local_location <- tempdir()
copy_models(pkgname = "staninside", local_location = local_location)
```

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find_stan_code	<i>Find Stan Code</i>
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**Description**

This function looks for Stan code within a given R package and returns a list with the Stan code location within the package and the text of the code,

**Usage**

```
find_stan_code(pkgname = "staninside")
```

**Arguments**

pkgname            a string, the name of the package in which to look for the Stan code.

**Examples**

```
find_stan_code(pkgname = "staninside")
```

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setup_stan_package	<i>Create Package Infrastructure for Stan Package</i>
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**Description**

Create directory and helper files for a Stan package using CmdStanR

**Usage**

```
setup_stan_package(loc = NULL, use_all = TRUE)
```

**Arguments**

loc                    a file.path indicating package root with a default of the current working directory  
use\_all                a logical indicating if each section of Stan code should have its own directory with a default of TRUE

**Value**

invisible null

**Examples**

```
# Create Temporary Directory
temp_dir <- tempdir()

# Now setup the structur
setup_stan_package(loc = temp_dir)

# Examine output

list.files(temp_dir, recursive = TRUE)
```

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