

# Package ‘cache’

July 9, 2021

**Title** Cache and Retrieve Computation Results

**Version** 0.0.2

**Description** Easily cache and retrieve computation results. The package works seamlessly across interactive R sessions, R scripts and Rmarkdown documents.

**URL** <https://github.com/OlivierBinette/cache>

**BugReports** <https://github.com/OlivierBinette/cache/issues>

**License** MIT + file LICENSE

**Imports** digest, assert, cli, here

**Encoding** UTF-8

**RoxygenNote** 7.1.1

**NeedsCompilation** no

**Author** Olivier Binette [aut, cre]

**Maintainer** Olivier Binette <olivier.binette@gmail.com>

**Repository** CRAN

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cache

*Cache or Retrieve Computation Results*

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## Description

Cache or retrieve an evaluated expression. Results are always made available in the current environment.

## Usage

```
cache(..., .cachedir = here(".cache-R"), .rerun = FALSE)
```

## Arguments

...	Named expressions to be cached or retrieved.
.cachedir	Directory where cache files are stored. Default is a directory called .cache-R located at the project root.
.rerun	Whether or not to clear the cache and re-run the provided expressions. Defaults to FALSE.

## Examples

```
tmp <- tempdir()

# Takes 1 second to execute
cache(a = {
  Sys.sleep(1)
  "Hello World"
}, .cachedir = tmp)

# Executes instantly
cache(a = {
  Sys.sleep(1)
  "Hello World"
}, .cachedir = tmp)

# Result is available in the current environment
print(a)

# Re-run the expression
cache(a = {
  Sys.sleep(1)
  "Hello World"
}, .cachedir = tmp, .rerun = TRUE)
```

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cache_load	<i>Load cached objects from cache directory</i>
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**Description**

Load cached objects from cache directory

**Usage**

```
cache_load(objnames = "*", .cachedir = here(".cache-R"))
```

**Arguments**

objnames	character list of object names to load.
.cachedir	path to cache directory. Defaults to the directory named .cache-R at the project root.

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