

# Package: Rcereal (via r-universe)

September 17, 2024

**Title** ``Cereal Headers for R and C++ Serialization''

**Version** 1.3.2

**Description** To facilitate using 'cereal' with R via 'cpp11' or 'Rcpp'.  
'cereal' is a header-only C++11 serialization library. 'cereal'  
takes arbitrary data types and reversibly turns them into  
different representations, such as compact binary encodings,  
'XML', or 'JSON'. 'cereal' was designed to be fast,  
light-weight, and easy to extend - it has no external  
dependencies and can be easily bundled with other code or used  
standalone. Please see <<https://uscilab.github.io/cereal/>> for  
more information.

**Depends** R (>= 3.6.2)

**License** BSD\_2\_clause + file LICENSE

**Encoding** UTF-8

**URL** <https://github.com/wush978/Rcereal/>

**BugReports** <https://github.com/wush978/Rcereal/issues>

**Suggests** cpp11(>= 0.4.7), Rcpp(>= 0.10.3), decor, git2r, httr,  
testthat, tools, knitr, rmarkdown

**VignetteBuilder** knitr

**RoxygenNote** 7.3.1

**Repository** <https://wush978.r-universe.dev>

**RemoteUrl** <https://github.com/wush978/rcereal>

**RemoteRef** HEAD

**RemoteSha** a905c7b1bf3ea8d42744026a5b76c7903881d111

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|              |                                                           |
|--------------|-----------------------------------------------------------|
| last_version | <i>Return the latest version of cereal on the GitHub.</i> |
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**Description**

Uses the GitHub API to find the latest version of cereal.

**Usage**

```
last_version()
```

**Details**

Gets all the versions from GitHub via `list_version()` and selects the largest version number.

**Value**

package\_version

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|              |                                             |
|--------------|---------------------------------------------|
| list_version | <i>List version(s) of cereal on GitHub.</i> |
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**Description**

Use the GitHub API to query the versions of cereal.

**Usage**

```
list_version()
```

**Details**

The GitHub page of cereal is <https://github.com/USCiLab/cereal>, the tags are accessed via the GitHub API, from which a package\_version object is coerced.

**Value**

package\_version, a vector of available versions.

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|----------------|----------------------------------------|
| update_version | <i>Update installed cereal headers</i> |
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**Description**

Clone a different version of the cereal headers into R library.

**Usage**

```
update_version(version = last_version(), ...)
```

**Arguments**

|         |                                                                                                                                           |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------|
| version | character or <a href="#">package_version</a> ; the version to install, e.g. '1.3.2' or v1.3.2.                                            |
| ...     | additional arguments passed to <a href="#">system.file()</a> , e.g. lib.loc for the location of the library that Rcereal is installed in. |

**Details**

This over-writes the installed cereal headers inside an R library. The default location for the files is found via [system.file\(\)](#). The library location can be specified by passing an argument lib.loc. See [system.file\(\)](#) for further details.

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