

# Package ‘RcppDate’

July 21, 2025

**Type** Package

**Title** 'date' C++ Header Library for Date and Time Functionality

**Version** 0.0.6

**Date** 2025-05-29

**Description** A header-only C++ library is provided with support for dates, time zones, ISO weeks, Julian dates, and Islamic dates. 'date' offers extensive date and time functionality for the C++11, C++14 and C++17 standards and was written by Howard Hinnant and released under the MIT license. A slightly modified version has been accepted (along with 'tz.h') as part of C++20. This package regroups all header files from the upstream repository by Howard Hinnant so that other R packages can use them in their C++ code. At present, few of the types have explicit 'Rcpp' wrappers though these may be added as needed.

**License** GPL (>= 2)

**Suggests** Rcpp

**URL** <https://github.com/eddelbuettel/rcppdate>,  
<https://dirk.eddelbuettel.com/code/rcpp.date.html>

**BugReports** <https://github.com/eddelbuettel/rcppdate/issues>

**NeedsCompilation** no

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Howard Hinnant [aut] (author of 'date' library)

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**Repository** CRAN

**Date/Publication** 2025-05-29 14:50:09 UTC

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## Maintainer

Dirk Eddelbuettel <edd@debian.org>

## Author(s)

Dirk Eddelbuettel [aut, cre] (ORCID: <<https://orcid.org/0000-0001-6419-907X>>), Howard Hinnant [aut] (author of 'date' library)

## Examples

```
## see the source files in the examples/ directory of the package
## check for (optional, only in Suggests:) Rcpp, and ensure we are
## not on Windows as this runs up to the ten second time limit
if (requireNamespace("Rcpp", quietly=TRUE) && (.Platform$OS.type != "windows")) {
  Rcpp::sourceCpp(system.file("examples", "year_month_day.cpp", package="RcppDate"))
}
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