

# Package ‘install.load’

November 25, 2022

**Title** Check, Install and Load CRAN & USGS GRAN Packages

**Version** 1.2.4

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**Depends** R (>= 2.14.1)

**Imports** utils, fastmatch, checkmate, assertthat

**Suggests** testthat

**Description** The function 'install\_load' checks the local R library(ies) to see if the required package(s) is/are installed or not. If the package(s) is/are not installed, then the package(s) will be installed along with the required dependency(ies). This function pulls source or binary packages from the Rstudio-sponsored CRAN mirror and/or the USGS GRAN Repository. Lastly, the chosen package(s) is/are loaded. The function 'load\_package' simply loads the provided packages. If this package does not fit your needs, then you may want to consider these other R packages: 'needs', 'easypackages', 'pacman', 'pak', 'anyLib', and/or 'librarian'.

**URL** <https://gitlab.com/iembry/install.load>

**BugReports** <https://gitlab.com/iembry/install.load/-/issues>

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**Language** en-US

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**NeedsCompilation** no

**Repository** CRAN

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install.load	<i>install.load: Check, Install and Load CRAN &amp; USGS GRAN Packages</i>
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### Description

install.load provides the function ‘install\_load’ which checks the local R library(ies) to see if the required package(s) is/are installed or not. If the package(s) is/are not installed, then the package(s) will be installed along with the required dependency(ies). This function pulls source or binary packages from the Rstudio-sponsored CRAN mirror and/or the USGS GRAN Repository. Lastly, the chosen package(s) is/are loaded. The function ‘load\_package’ simply loads the provided packages.

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install_load	<i>Check, Install and Load CRAN &amp; USGS GRAN Packages</i>
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### Description

Checks the local R library(ies) to see if the required package(s) is/are installed or not. If the package(s) is/are not installed, then the package(s) will be installed along with the required dependency(ies). This function pulls source or binary packages from the Revolution Analytics CRAN mirror and/or the USGS GRAN Repository. Lastly, the chosen package(s) is/are loaded.

### Usage

```
install_load(package1, ...)
```

### Arguments

package1	R package.
...	Any additional R packages.

### Value

Install and load package1 and other packages listed in the arguments ... and all of the dependencies.

### Author(s)

maloneypatr, Irucka Embry

**Source**

1. Check if R package is installed then load library answered by maloneypatr is the source for the original function. See <https://stackoverflow.com/questions/15155814/check-if-r-package-is-installed>
2. Error Handling in R By Nina Zumel, October 9, 2012, Win Vector LLC. See <https://win-vector.com/2012/10/09/error-handling-in-r/>.

**See Also**

[load\\_package](#) to only load packages, [installed.packages](#), [install.packages](#)

**Examples**

```
## Not run:  
library("install.load")  
# This will install, if not already installed, and load the package(s)  
install_load("chron")  
install_load("chron", "data.table", "dataRetrieval", "EGRET", "dplyr")  
  
## End(Not run)
```

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load_package	<i>Load Packages</i>
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**Description**

Loads the listed packages only

**Usage**

```
load_package(package1, ...)
```

**Arguments**

package1	R package.
...	Any additional R packages.

**Value**

Load package1 and other packages listed in the arguments . . . .

**Author(s)**

maloneypatr, Irucka Embry

**Source**

1. Check if R package is installed then load library answered by maloneypatr is the source for the original function. See <https://stackoverflow.com/questions/15155814/check-if-r-package-is-installed>
2. Error Handling in R By Nina Zumel, October 9, 2012, Win Vector LLC. See <https://win-vector.com/2012/10/09/error-handling-in-r/>.

**See Also**

[install\\_load](#) if you are wanting to install and load packages

**Examples**

```
## Not run:  
library("install.load")  
# This will only load the package(s)  
load_package("chron")  
  
load_package("chron", "data.table", "dataRetrieval", "EGRET", "dplyr")  
  
## End(Not run)
```

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