

R: Getting Help

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Getting Help

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Official R Site

<https://cran.r-project.org/manuals.html>

- continuously updated
- introductory topics (about 100 pages)
- data import/export (about 40 pages)
- installation and administration (about 80 pages)
- writing extensions (about 200 pages)
- reference index (about 3'700 pages)

R's Built-in Help

Every function has a help page that can be accessed using the prefix `?` or `help(function name)`.

Example: Get Help for `mean()`

```
?mean  ## same as: help(mean)
```

```
## mean                package:base                R Documentation
##
## Arithmetic Mean
##
## Description:
##
##     Generic function for the (trimmed) arithmetic mean.
##
## Usage:
##
##     mean(x, ...)
##
##     ## Default S3 method:
##     mean(x, trim = 0, na.rm = FALSE, ...)
```

R's Built-in Help

Help for mean()

```
##  
## Arguments:  
##  
##      x: An R object.  Currently there are methods for numeric/logical  
##          vectors and date, date-time and time interval objects.  
##          Complex vectors are allowed for 'trim = 0', only.  
##  
##      trim: the fraction (0 to 0.5) of observations to be trimmed from  
##            each end of 'x' before the mean is computed.  Values of trim  
##            outside that range are taken as the nearest endpoint.  
##  
##      na.rm: a logical value indicating whether 'NA' values should be  
##            stripped before the computation proceeds.  
##  
##      ...: further arguments passed to or from other methods.  
##
```

R's Built-in Help

Help for mean()

```
##  
## Value:  
##  
## If 'trim' is zero (the default), the arithmetic mean of the values  
## in 'x' is computed, as a numeric or complex vector of length one.  
## If 'x' is not logical (coerced to numeric), numeric (including  
## integer) or complex, 'NA_real_' is returned, with a warning.  
##  
## If 'trim' is non-zero, a symmetrically trimmed mean is computed  
## with a fraction of 'trim' observations deleted from each end  
## before the mean is computed.  
##
```

R's Built-in Help

Help for mean()

```
##
## References:
##
##      Becker, R. A., Chambers, J. M. and Wilks, A. R. (1988) _The New S
##      Language_. Wadsworth & Brooks/Cole.
##
## See Also:
##
##      'weighted.mean', 'mean.POSIXct', 'colMeans' for row and column
##      means.
##
## Examples:
##
##      x <- c(0:10, 50)
##      xm <- mean(x)
##      c(xm, mean(x, trim = 0.10))
##
```

R's Built-in Help

The examples in the documentation can be executed in R by typing `example()`.

```
example(mean)
##
## mean> x <- c(0:10, 50)
##
## mean> xm <- mean(x)
##
## mean> c(xm, mean(x, trim = 0.10))
## [1] 8.75 5.50
```


R's Built-in Help

Tricky Syntax

```
? "+"      ## Help for '+', '- ', '* ', '/ ', '^ ', '%%', and '%/%'.  
?"<-"     ## Help for '<-', '= ' and '->'.  
?"["      ## Help for '[', '[[ ' and 'L'.  
?"("      ## Help for '(' and '{'.  
?" ":"    
```

R's Built-in Help

Search for a Term (in installed packages):

```
help.search("Laplace")    ## equivalent: ??"Laplace"

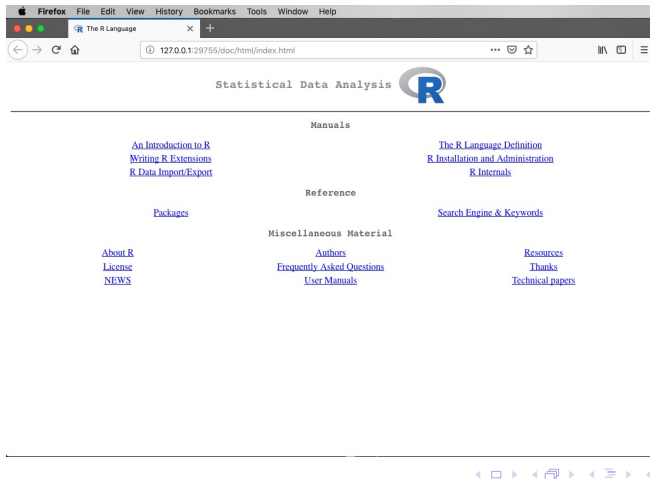
## Help files with alias or concept or title matching 'Laplace' using
## fuzzy matching:
##
## fastGHQuad::aghQuad      Adaptive Gauss-Hermite quadrature using Laplace
##                          approximation
## lme4::glmerLaplaceHandle
##                          Handle for 'glmerLaplace'
## Aliases: glmerLaplaceHandle
## maptools::lineLabel      Line label placement with spplot and lattice.
## maptools::panel.pointLabel
##                          Label placement with spplot and lattice.
## maptools::pointLabel      Label placement for points to avoid overlaps
##
## Type '?PKG::FOO' to inspect entries 'PKG::FOO', or 'TYPE?PKG::FOO' for
## entries like 'PKG::FOO-TYPE'.
##
```

Often helpful: `help.search("...", package = "...")`

R's Built-in Help

`help.start()` opens the off-line help in a browser.

```
help.start()
```



Frequently Asked Questions

Most problems a beginner encounters have been discussed before.

The R Core Team collected the most prominent and repetitive questions in the R-help mailing list early on.

Exhaustive answers are published on CRAN:

<https://cran.r-project.org/doc/FAQ/R-FAQ.html>

R Packages

CRAN (Comprehensive R Archive Network):

<https://cran.r-project.org/web/packages/index.html>

The screenshot shows a Firefox browser window displaying the CRAN page for the 'data.table' package. The page title is 'data.table: Extension of 'data.frame''. The description states: 'Fast aggregation of large data (e.g. 100GB in RAM), fast ordered joins, fast add/modify/delete of columns by group using no copies at all, list columns, friendly and fast character-separated-value read/write. Offers a natural and flexible syntax, for faster development.'

Metadata includes:

- Version: 1.12.8
- Depends: R (≥ 3.1.0)
- Imports: methods
- Suggests: bit64, curl, R.utils, knitr, xts, nanotime, zoo, yaml
- Published: 2019-12-09
- Author: Matt Dowle [aut, cre], Arun Srinivasan [aut], Jan Gorecki [ctb], Michael Chirico [ctb], Pasha Sietsenko [ctb], Tom Short [ctb], Steve Lianoglou [ctb], Eduard Antonyan [ctb], Markus Bomsch [ctb], Hugh Parsonage [ctb], Scott Ritchie [ctb], Kun Ren [ctb], Xianying Tan [ctb], Rick Saporta [ctb], Otto Seiskari [ctb], Xianghui Dong [ctb], Michel Lang [ctb], Watal Iwasaki [ctb], Seth Wenchel [ctb], Karl Broman [ctb], Tobias Schmidt [ctb], David Arenburg [ctb], Ethan Smith [ctb], Francois Cocquemas [ctb], Matthieu Gomez [ctb], Philippe Chataignon [ctb], Declan Groves [ctb], Daniel Posenriede [ctb], Felipe Parages [ctb], Denes Toth [ctb], Mus Yaramaz-David [ctb], Ayappan Perumal [ctb], James Sams [ctb], Martin Morgan [ctb], Michael Quinn [ctb], @javrucebo [ctb], @marc-ouitins [ctb], Roy Storey [ctb], Manish Saraswat [ctb], Morgan Jacob [ctb], Michael Schühmehl [ctb], Davis Vaughan [ctb]
- Maintainer: Matt Dowle <mattdowle@gmail.com>
- BugReports: <https://github.com/Rdatatable/data.table/issues>
- License: [MPL-2.0](#) | file [LICENSE](#)
- URL: <http://r-datatable.com>, <https://Rdatatable.gitlab.io/data.table>, <https://pithub.com/Rdatatable/data.table>
- NeedsCompilation: yes
- SystemRequirements: zlib
- Materials: [NEWS](#)
- In views: [Finance](#), [HighPerformanceComputing](#), [TimeSeries](#)
- CRAN checks: [data.table results](#)

Download:

Reference manual: [data.table.pdf](#)

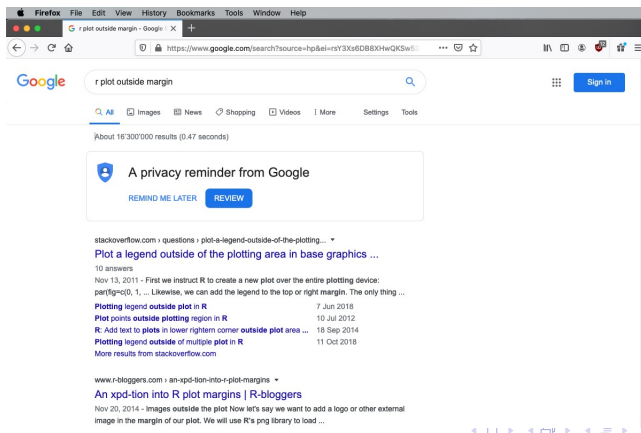
Vignettes:

- [Benchmarking data.table](#)
- [Frequently asked questions](#)
- [Importing data.table](#)
- [Introduction to data.table](#)
- [Keys and fast binary search based subset](#)
- [Reference semantics](#)
- [Efficient reshaping using data.tables](#)
- [Using SD for Data Analysis](#)
- [Secondary indices and auto indexing](#)

Most Important Website:

<https://stackoverflow.com/>

That's where you usually end up when using Google.



www.stackoverflow.com

- Most questions/answers are tagged
- Available in search query: `[tag1] [tag2] ...`

The screenshot shows a Firefox browser window with the URL `https://stackoverflow.com/search?q=logistic+regression+vgam`. The page displays search results for the query "logistic regression [vgam]". The left sidebar shows the Stack Overflow logo and navigation links for Home, PUBLIC, Tags, Users, Jobs, and TEAMS. The main content area shows "Search Results" with "Results for logistic regression tagged with vgam". There are 4 results listed. The first result is titled "Q: Plotting VGML multinomial logistic regression with 95% CIs" and has 2 votes and 0 answers. The second result is titled "Q: Need help, I stuck when install (VGAM) and how to use mlogit. I don't understand from that p..." and has 0 votes and 1 answer. The right sidebar shows "Hot Network Questions" with a list of trending questions.

Firefox File Edit View History Bookmarks Tools Window Help

Posts containing 'logistic regression' X +

https://stackoverflow.com/search?q=logistic+regression+vgam

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Search Results Advanced Search Tips Ask Question

Results for logistic regression tagged with vgam

logistic regression [vgam] Search

4 results Relevance Newest More

2 votes 0 answers

Q: Plotting VGML multinomial logistic regression with 95% CIs

I would like to plot the predicted values of a multinomial logistic regression derived from the `vglm()` function in the `VGAM` package. It is important that I use `VGAM` because I am trying to replicate ... for the predicted values in the response variable, which I can then plot? If so, how? Summary: From a multinomial logistic regression, I'm trying to produce something like this from Stata: That ...

r ggplot2 stata multinomial vgam asked Jun 28 '16 by Calen

0 votes 1 answer

Q: Need help, I stuck when install (VGAM) and how to use mlogit. I don't understand from that p...

I need help for my problems. I have 2 problems. I can't install library (VGAM) on my RStudio. Have any idea for another regression logistic ordinal package or have solution for my problem? I Stuck ...

r logistic-regression multinomial mlogit vgam asked Apr 11 '16 by Yip

Hot Network Questions

- What is so bad about a bi-national one-state solution to the Israeli-Palestinian conflict?
- remove multiple elements from a list
- Confusion about components of circular motion
- Find the cardinality of a unit ring with an interesting property
- How to use Mathematica to simplify this kind of trig sum?
- Safe to Screw on a Paper Towel Holder Way Above Socket?
- Now that I have iCloud, what benefit does Time Machine provide?
- How Does L2 Norm Regularization Work with Negative Weights?
- Amplifying particular range of analog signal
- What is this star shape artifact in old carbon?
- Is it poor sportsmanship to resign immediately after a major blunder early in the game?
- How do I ensure that interface implementations are implemented in the manner I expected?

more hot questions

R Mailing Lists: <https://www.r-project.org/mail.html>

The screenshot shows a Firefox browser window with the address bar displaying <https://www.r-project.org/mail.html>. The page content includes the R logo, a sidebar with navigation links, and the main text area with sections for 'Mailing Lists', 'R-announce', 'R-help', and 'R-package-devel'.

Mailing Lists

Please read the [instructions](#) below and the [posting guide](#) before sending anything to any mailing list!

Thanks to Martin Maechler (and ETH Zurich), there are five general mailing lists devoted to R.

R-announce

This list is for *major* announcements about the development of R and the availability of new code. It has a *low volume* (typically only a few messages a month) and everyone mildly interested should consider subscribing, but note that R-help gets everything from R-announce as well, so you don't need to subscribe to both of them.

Note that the list is *moderated* to be used for announcements mainly by the R Core Development Team. Use the [web interface](#) for information, subscription, archives, etc.

R-help

The 'main' R mailing list, for discussion about problems and solutions using R, announcements (not covered by 'R-announce' or 'R-packages', see above), about the availability of new functionality for R and documentation of R, comparison and compatibility with S-plus, and for the posting of nice examples and benchmarks. Do read the [posting guide](#) before sending anything!

This has become quite an active list with dozens of messages per day. An alternative is to subscribe and choose daily digests (in plain or MIME format). Use the [web interface](#) for information, subscription, archives, etc.

R-package-devel

is to get help about *package development* in R, i.e., to provide a forum for learning about the package development process, a community of R package developers who can help each other solve problems, and reduce some of the burden on the CRAN maintainers. If you are having problems developing a package or passing R CMD check, this is the place to ask!

Navigation Links:

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