

Rsquared Academy



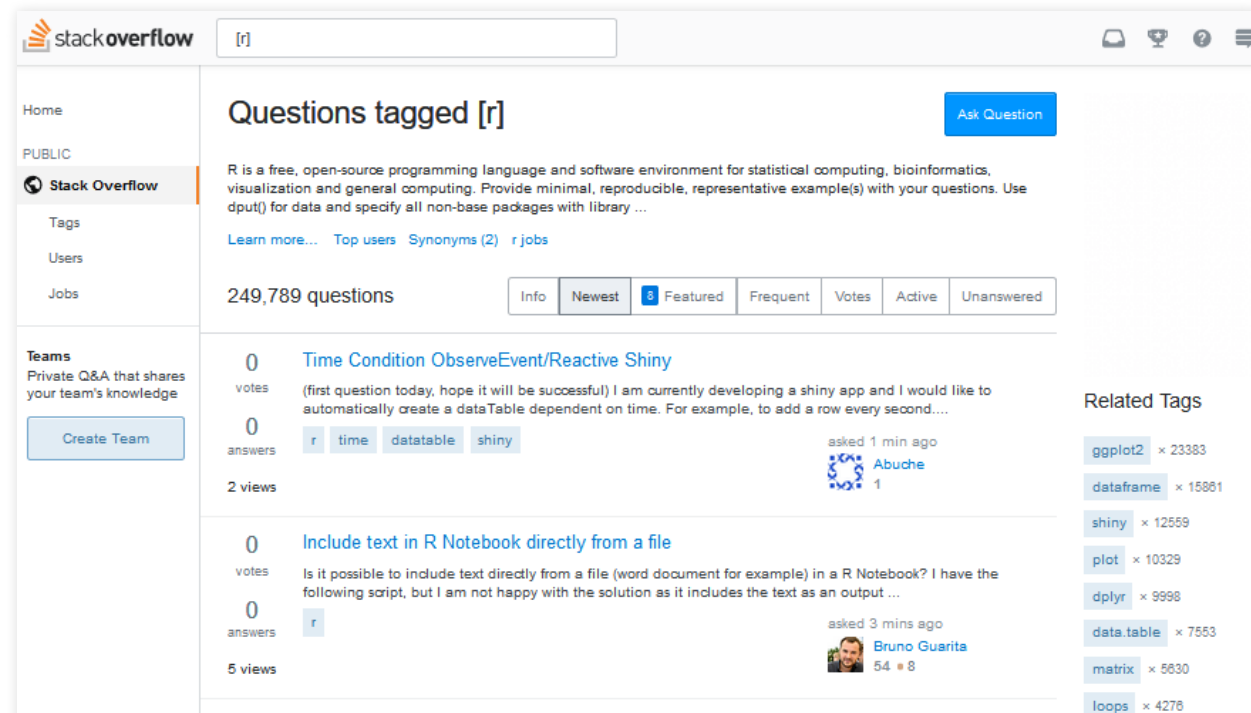
Getting Help in R

In this module, we will learn about the different methods of getting help in R. Often we get stuck while doing some analysis as either we do not know the correct function to use or its syntax. It is important for anyone who is new to R to know the right place to look for help. There are two ways to look for help in R:

- built in help system
- online

In the first section, we will look at various online resources and in the second section, we will explore the various ways to access the built in help system of R. Let us get started!

[Stack Overflow](#) is a great place to visit if you are having trouble with R code or packages. Chances are high that someone has already encountered the same or similar problem and you can use the answers given by R experts. In case you have encountered a new problem or issue, you can ask for help by providing a reproducible example of your analysis along with the R code. Use the [reprex](#) package to create reproducible examples.



[R Bloggers](#) aggregates blogs written in English from across the globe. This is the first place you want to visit if you want help with R, data analysis, visualization and machine learning. There are blogs on a wide range of topics and the latest content is delivered to your inbox if you subscribe. If you are a blogger yourself, share it with the R community by adding your blog to R Bloggers.

The screenshot shows the homepage of R-bloggers. At the top is the logo, which consists of a stylized 'R' with an orange arc above it, followed by the text '-bloggers' and a subtitle 'R news and tutorials contributed by (750) R bloggers'. Below the logo is a dark navigation bar with links: Home, About, RSS, add your blog!, Learn R, R jobs (with a dropdown arrow), and Contact us. The main content area is divided into three columns. The left column has a 'WELCOME!' section with a Twitter follow button (showing 60.6K followers), a paragraph about the site's purpose, and an email subscription form with a 'Subscribe' button and a reader count of 48,889. Below this is a Facebook widget for 'R blog...' with 72K likes. The middle column features a large article titled 'R Generation: 25 Years of R' dated August 1, 2018, by David Smith. It includes a photo of three men and a brief description of the article's content. A 'Read more »' link is at the bottom of the article. Below the article are two more article titles: 'Exploratory Data Analysis in R' and 'Understanding Titanic Dataset'. The right column contains a 'SEARCH R-BLOGGERS' section with a Google Custom Search box, a 'RECENT POPULAR POSTS' section with a list of three article titles, and a 'MOST VISITED ARTICLES OF THE WEEK' section.

R-bloggers
R news and tutorials contributed by (750) R bloggers

Home About RSS add your blog! Learn R R jobs Contact us

WELCOME!

Follow @rbloggers 60.6K

Here you will find daily news and tutorials about R, contributed by over 750 bloggers. There are many ways to follow us - By e-mail:

Your e-mail here
Subscribe
48,889 readers
BY PEEBURNER

On Facebook:
R blog...
72K likes

R Generation: 25 Years of R
August 1, 2018
By David Smith

The August 2018 issue of Significance Magazine includes a retrospective feature on the R language. (I suggest reading the PDF version, also available for free access.) The article by Nick Thieme looks back at the 25 years since the R language was first conceived at Auckland University in 1992. It follows the history of R through the first public...

Read more »

Exploratory Data Analysis in R **Understanding Titanic Dataset**

SEARCH R-BLOGGERS

Google Custom Search

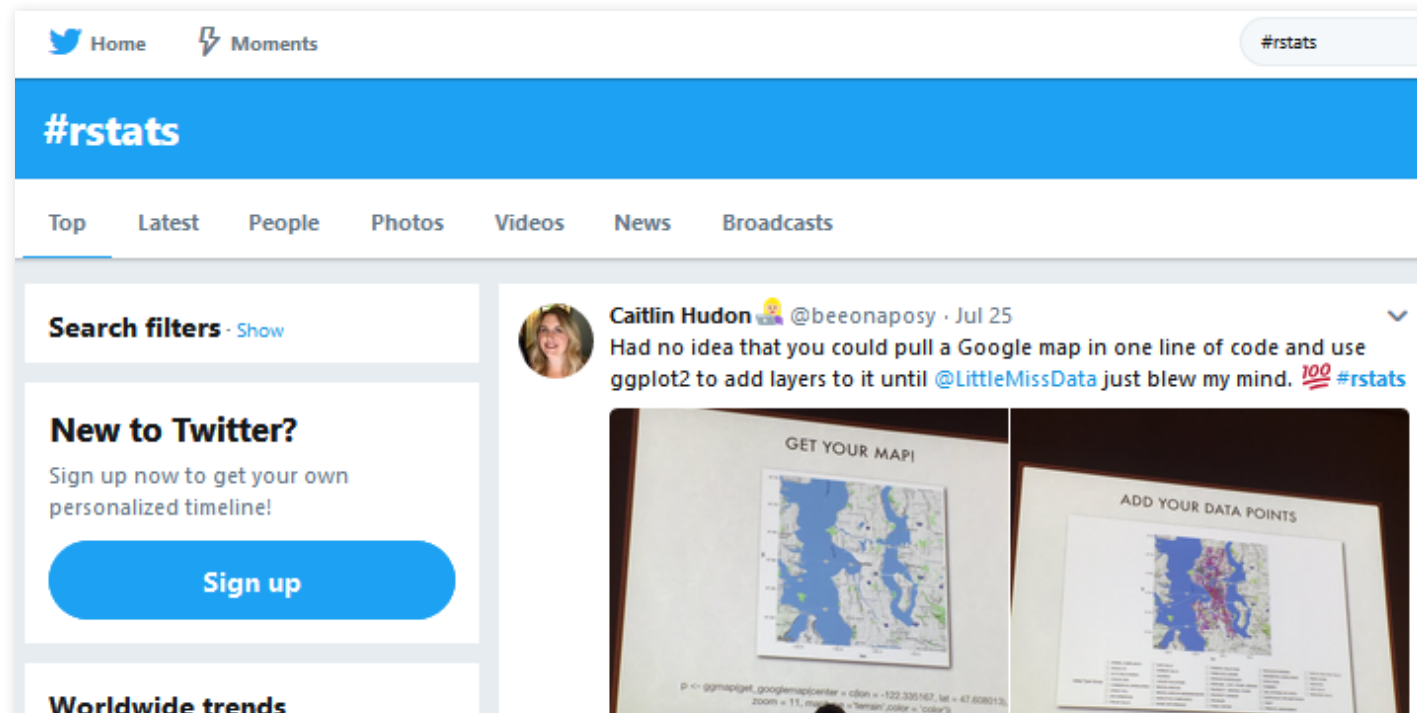
RECENT POPULAR POSTS

- Highlighting with ggplot2: The Old School and New School Way
- Exploratory Data Analysis in R (introduction)
- Thanks, NVIDIA
- A package for dimensionality reduction of large data
- R Generation: 25 Years of R


MOST VISITED ARTICLES OF THE WEEK



Twitter

The R community is very active on Twitter and there are lot of R experts who are willing to help those who are new to R. Use the hashtag [#rstats](#) if you are asking for help or guidance on Twitter.



















RStudio has very good resources including cheat sheets, webinars and blogs.

 Studio Community

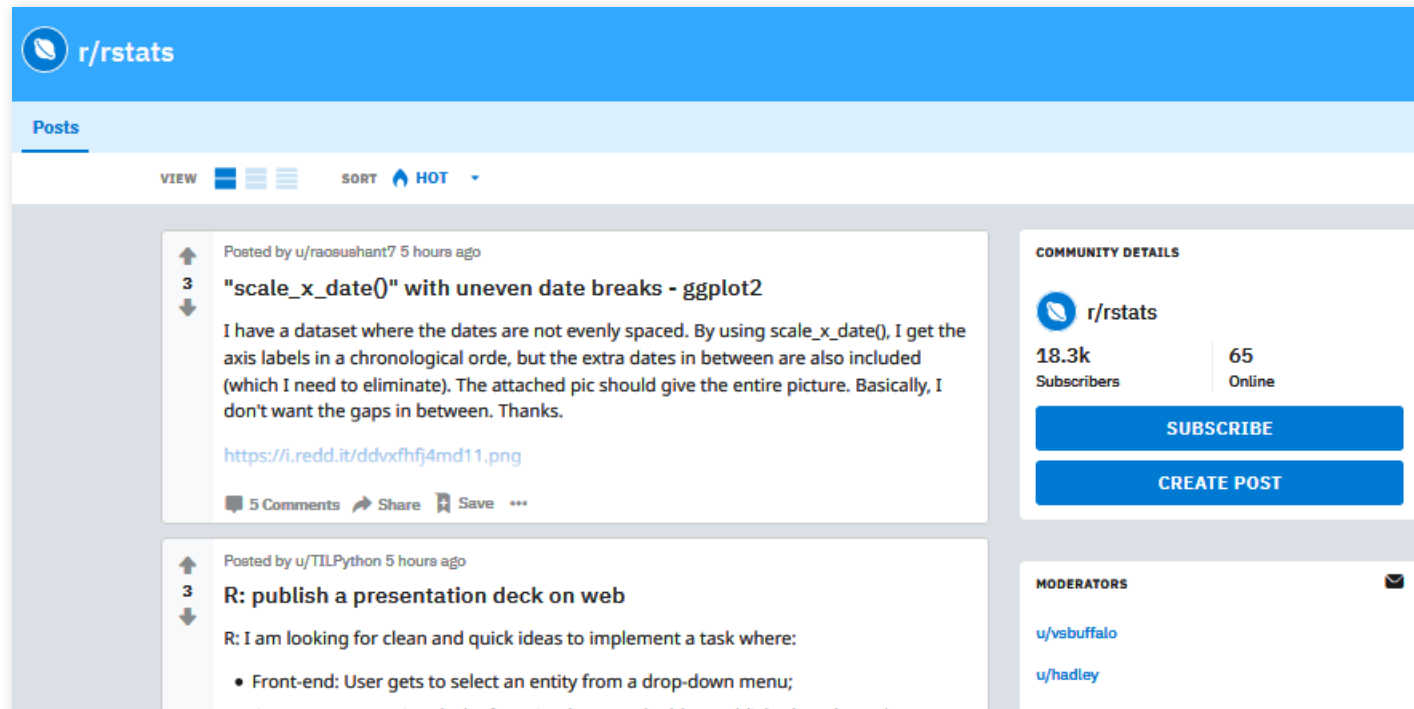
[Sign Up](#) [Log In](#)  

[all categories](#) [all tags](#) [Latest](#) [Categories](#) [Top](#)

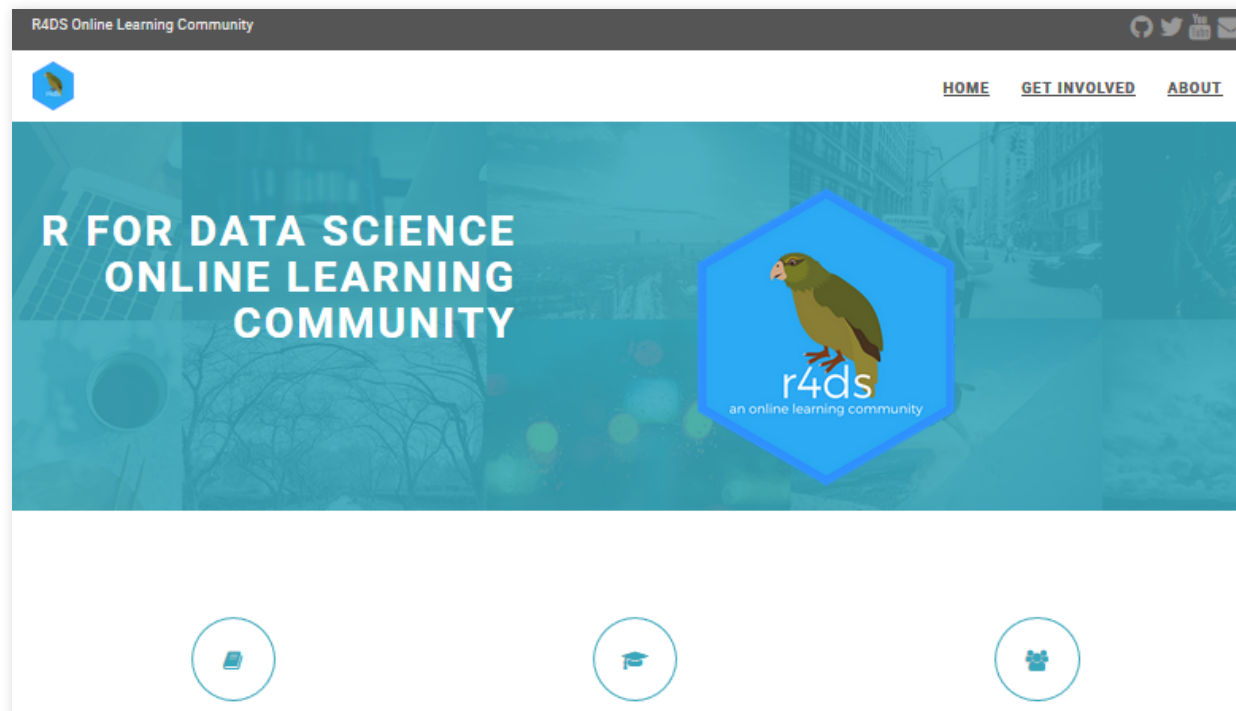
| Topic | Category | Users | Replies | Views | Activity |
|---|----------------------------|---|---------|-------|----------|
|  Welcome to the RStudio Community! Welcome to community.rstudio.com — we're glad to have you! This welcome page will give you some advice on how to get the most out of the site if you're getting or giving help. We want this to be a friendly, inclusive com... read more | meta |  | 0 | 2.1k | 11d |
|  Shinydashboard RShiny | shiny |    | 16 | 87 | 4m |
|  Knit fail pandoc error for rmarkdown rmarkdown knitr pandoc knit | R Markdown |   | 1 | 10 | 7m |
|  Error when installing tidyverse: This endpoint requires you to be authenticated. (401) | tidyverse |   | 4 | 10 | 7m |
|  Will case_when stay in dplyr? dplyr | tidyverse |    | 4 | 22 | 8m |

Reddit

Reddit is another place where you can look for help. The discussions are moderated by R experts. There are subreddits for [Rstats](#), [Rlanguage](#), [Rstudio](#) and [Rshiny](#).



An online learning community that brings learners and mentors on a single platform. You can learn more about the community [here](#).



Visit [RWeekly](#) to get regular updates about the R community. You can find information about new packages, blogs, conferences, workshops, tutorials and R jobs.

The screenshot shows the RWeekly.org website. On the left is a sidebar with a list of categories: 'R Weekly 2018-31 Gifski, Question, Educator' (highlighted), 'Highlight', 'New Packages', 'Package Releases', 'Insights', 'R in Organizations', 'R in the Real World', 'Tutorials', 'Upcoming Events in 3 Months', 'Call for Participation', and 'Quotes of the Week'. The main content area has a top navigation bar with links: 'RWeekly.org', 'Live', 'Mail', 'Feed', 'Conf', 'About', 'All', 'Draft', 'Submit', and 'Night'. Below this, the 'Live' section features a link 'Visualizations with R and Databases (rviews.rstudio.com)' and a 'More' link. The 'R Weekly 2018-31 Gifski, Question, Educator' section shows the date '30 Jul 2018' and social media icons for RSS, Facebook, and Twitter. A search bar with the placeholder 'type to filter' is present. The 'Highlight' section lists several articles: 'Gifski - the fastest GIF encoder in the universe (ropensci.org)', 'Where to get help with your R question? (masalmon.eu)', 'rOpenSci Educators Collaborative: What Educational Resources Work Well and Why? (ropensci.org)', and 'Should R Consortium Recommend CII Best Practices Badge for R Packages: Latest Survey Results (r-consortium.org)'.




RWeekly.org [Live](#) [Mail](#) [Feed](#) [Conf](#) [About](#) [All](#) [Draft](#) [Submit](#) [Night](#)

Live

- [Visualizations with R and Databases \(rviews.rstudio.com \)](#)

[More](#)

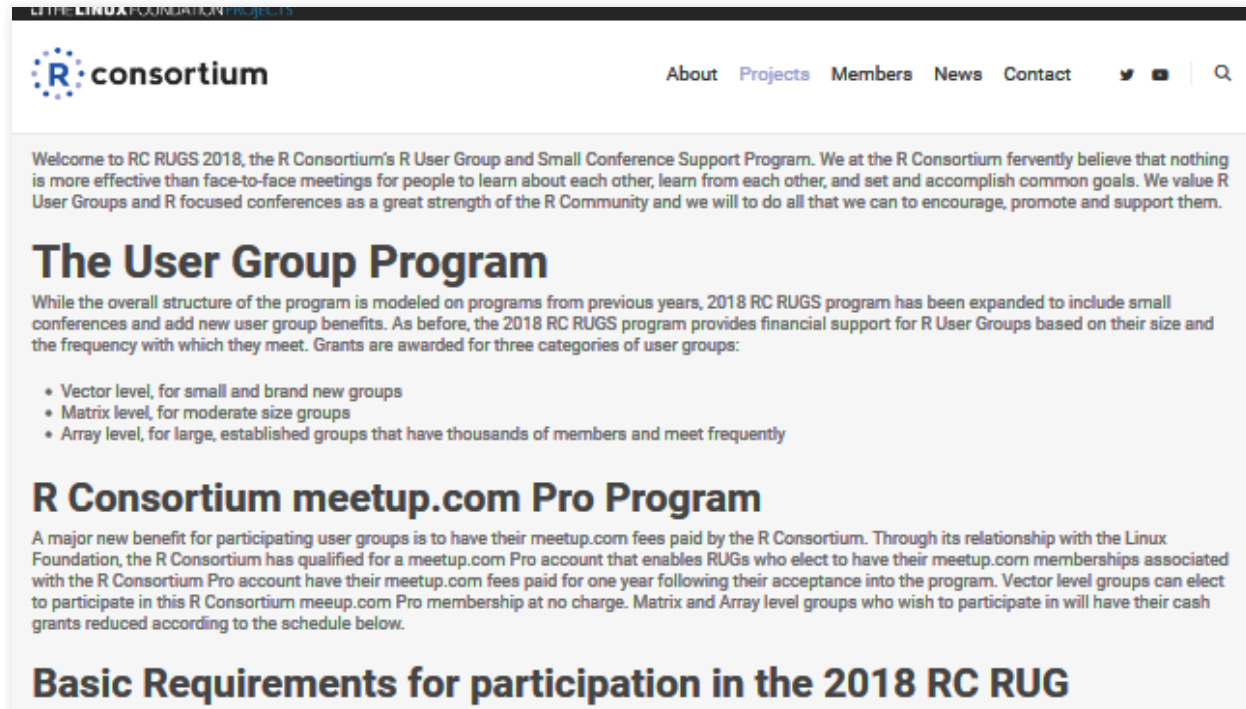
R Weekly 2018-31 Gifski, Question, Educator

30 Jul 2018   

Highlight

- [Gifski - the fastest GIF encoder in the universe \(ropensci.org \)](#)
- [Where to get help with your R question? \(masalmon.eu \)](#)
- [rOpenSci Educators Collaborative: What Educational Resources Work Well and Why? \(ropensci.org \)](#)
- [Should R Consortium Recommend CII Best Practices Badge for R Packages: Latest Survey Results \(r-consortium.org \)](#)

There are several R User Groups active across the globe. You can find the list [here](#). Join the local user group to meet, discuss and learn from other R enthusiasts and experts.



The screenshot shows the R Consortium website. At the top, there is a navigation bar with the R Consortium logo on the left and links for 'About', 'Projects', 'Members', 'News', and 'Contact' on the right. Below the navigation bar, a welcome message states: 'Welcome to RC RUGS 2018, the R Consortium's R User Group and Small Conference Support Program. We at the R Consortium fervently believe that nothing is more effective than face-to-face meetings for people to learn about each other, learn from each other, and set and accomplish common goals. We value R User Groups and R focused conferences as a great strength of the R Community and we will to do all that we can to encourage, promote and support them.'

The User Group Program

While the overall structure of the program is modeled on programs from previous years, 2018 RC RUGS program has been expanded to include small conferences and add new user group benefits. As before, the 2018 RC RUGS program provides financial support for R User Groups based on their size and the frequency with which they meet. Grants are awarded for three categories of user groups:

- Vector level, for small and brand new groups
- Matrix level, for moderate size groups
- Array level, for large, established groups that have thousands of members and meet frequently

R Consortium meetup.com Pro Program

A major new benefit for participating user groups is to have their meetup.com fees paid by the R Consortium. Through its relationship with the Linux Foundation, the R Consortium has qualified for a meetup.com Pro account that enables RUGs who elect to have their meetup.com memberships associated with the R Consortium Pro account have their meetup.com fees paid for one year following their acceptance into the program. Vector level groups can elect to participate in this R Consortium meetup.com Pro membership at no charge. Matrix and Array level groups who wish to participate in will have their cash grants reduced according to the schedule below.

Basic Requirements for participation in the 2018 RC RUG

In this section, we will look at the following functions:

- `help.start()`
- `help()`
- `?`
- `??`
- `help.search()`
- `demo()`
- `example()`
- `library()`
- `vignette()`
- `browseVignettes()`

The `help.start()` function opens the documentation page in your browser. Here you can find manuals, reference and other materials.

```
help.start()
```

```
## starting httpd help server ... done
```

```
## If nothing happens, you should open  
## 'http://127.0.0.1:31925/doc/html/index.html' yourself
```

Use `help()` to access the documentation of functions and data sets. `?` is a shortcut for `help()` and returns the same information.

```
help(plot)  
?plot
```

`help.search()` will search all sources of documentation and return those that match the search string. `??` is a shortcut for `help.search()` and returns the same information.

```
help.search('regression')  
??regression
```

demo displays an interactive demonstration of certain topics provided in a R package. Typing `demo ()` in the console will list the demos available in all the R packages installed.

```
demo()  
demo(scoping)
```

```
##  
##  
  
## demo(scoping)  
## ---- ~~~~~  
##  
## > ## Here is a little example which shows a fundamental difference be  
## > ## R and S. It is a little example from Abelson and Sussman which  
## > ## the way in which bank accounts work. It shows how R functions  
## > ## encapsulate state information.  
## > ##  
## > ## When invoked, "open.account" defines and returns three functions  
## > ## in a list. Because the variable "total" exists in the environme  
## > ## where these functions are defined they have access to its value.  
## > ## This is even true when "open.account" has returned. The only wa  
## > ## to access the value of "total" is through the accessor functions  
## > ## withdraw, deposit and balance. Separate accounts maintain their  
## > ## own balances.
```

`example()` displays examples of the specified topic if available.

```
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
```


Access the documentation of a package using `help()` inside `library()`. The package need not be installed for accessing the documentation.

```
library(help = 'ggplot2')
```

A vignette is a long form guide to a R package. You can access the vignettes available using `vignette()`. It will display a list of vignettes available in installed packages.

```
vignette()
```

To access a specific vignette from a package, specify the name of the vignette and the package.

```
vignette('dplyr', package = 'dplyr')
```

`browseVignettes()` is another way to access the vignettes in installed packages. It will list the vignettes in each package along with links to the web page and R code.

```
browseVignettes()
```

RsiteSearch() will search for a specified topics in help pages, vignettes and task views using the search engine at this [link](#) and return the result in a browser.

```
RSiteSearch('glm')
```

```
## A search query has been submitted to http://search.r-project.org  
## The results page should open in your browser shortly
```



Thank You

For more information please visit our website
www.rsquaredacademy.com