



R Programming Resources

How to find help

Programming is hard.

(but there are lots of good resources to help)

We'll look at:

1. Where to get help for problems
2. Where to go to learn more

Where to get help for problems



- Be as specific as you can: search for R + package + error wording, or author, or anything that will help filter results
- Pay attention to the dates of results - sometimes blog posts, etc are outdated

Slack channels

rhelp | R-Ladies Nashville Slack

https://rladies-nashville.slack.com/messages/rhelp/

Apps news archives cabins Simply Statistics Coursera Try F#: Learn Welcome · Advance... Evernote Profile – Pluralsight... Bookmarks Other Bookmarks

You should consider [trying out the Slack Mac App](#)! It has wonderful support for multiple teams at once.

R-Ladies Nashvi...
marylvv

CHANNELS (5)
general
meetups
random
rhelp
startup

DIRECT MESSAGES (9)
slackbot
marylvv (you)
allison.hainline
hannah
jackiepenning
jennifer
jennifermorse
joann.alvarez
lucy
+ Invite people

#rhelp
7 | 0 | Add a topic

December 7th

jennifer 12:31 PM
joined #rhelp

jennifer 12:31 PM
set the channel purpose: Asking for help with R questions, finding resources, etc!

jackiepenning 12:37 PM
joined #rhelp. Also, @marylvv joined, @lucy joined, @hannah joined, @allison.hainline joined, @jennifermorse joined.

Today

marylvv 9:31 AM
Can someone tell me how to turn the x-axis labels in my ggplot so they are vertical? They are on top of each other right now!!!

jennifer 9:45 AM
We can't have that @marylvv! You probably need the `axis.text.x` piece of `theme()`. <http://docs.ggplot2.org/current/theme.html>

jennifer 9:48 AM
added this R snippet: [axis.text.x example](#)

```
1 df <- data.frame(month = month.name,  
2                     yval = 1:12)  
3  
4 ggplot(data = df, aes(x = month, y = yval)) +  
5   geom_line() +  
6   geom_point() +  
7   theme(axis.text.x = element_text(angle = 45, hjust = 1))
```

marylvv 10:09 AM
thanks!!

StackOverflow

The screenshot shows a web browser window with the StackOverflow search results page. The browser's address bar shows the URL `stackoverflow.com/search?q=update+R+using+RStudio`. The page header includes the StackOverflow logo, navigation links (Questions, Jobs, Documentation, Tags, Users, Badges), and a search bar. The search results section shows 348 results. The top result is titled "Q: Update R using RStudio" with 127 votes and 9 answers. The question text is: "This is a basic question, but I could not find the answer anywhere. I am using RStudio with R version 2.15.0, and would like to update to latest R version. How could I do that with RStudio? ...". The second result is titled "Q: updateR keeps failing using both R console and Rstudio" with 0 votes and 0 answers. The question text is: "I have been trying to update the R version to the latest one. I used updateR provided by R package installr. I tried to run it from both R console and Rstudio. However, I got the same message ... as follows. Restarting R shows that the R version is still the old one. > updateR() Installing the newest version of R, please wait for the installer file to be download and executed. Be sure to click 'next ...".

Posts containing 'update r usin x

stackoverflow.com/search?q=update+R+using+RStudio

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StackExchange sign up log in tour help update R using RStudio

stackoverflow

Questions Jobs Documentation Beta Tags Users Badges

Search

update R using RStudio search

Advanced Search Tips

348 results

relevance newest votes active

127 votes

Q: Update R using RStudio

This is a basic question, but I could not find the answer anywhere. I am using RStudio with R version 2.15.0, and would like to update to latest R version. How could I do that with RStudio? ...

r rstudio installr

asked Dec 1 '12 by AdamNYC

9 answers

0 votes

Q: updateR keeps failing using both R console and Rstudio

I have been trying to update the R version to the latest one. I used updateR provided by R package installr. I tried to run it from both R console and Rstudio. However, I got the same message ... as follows. Restarting R shows that the R version is still the old one. > updateR() Installing the newest version of R, please wait for the installer file to be download and executed. Be sure to click 'next ...

r

asked Jun 26 '16 by user288609

Want to work remotely?

Find remote jobs based on t

Get started

stack JOBS

Tips for search

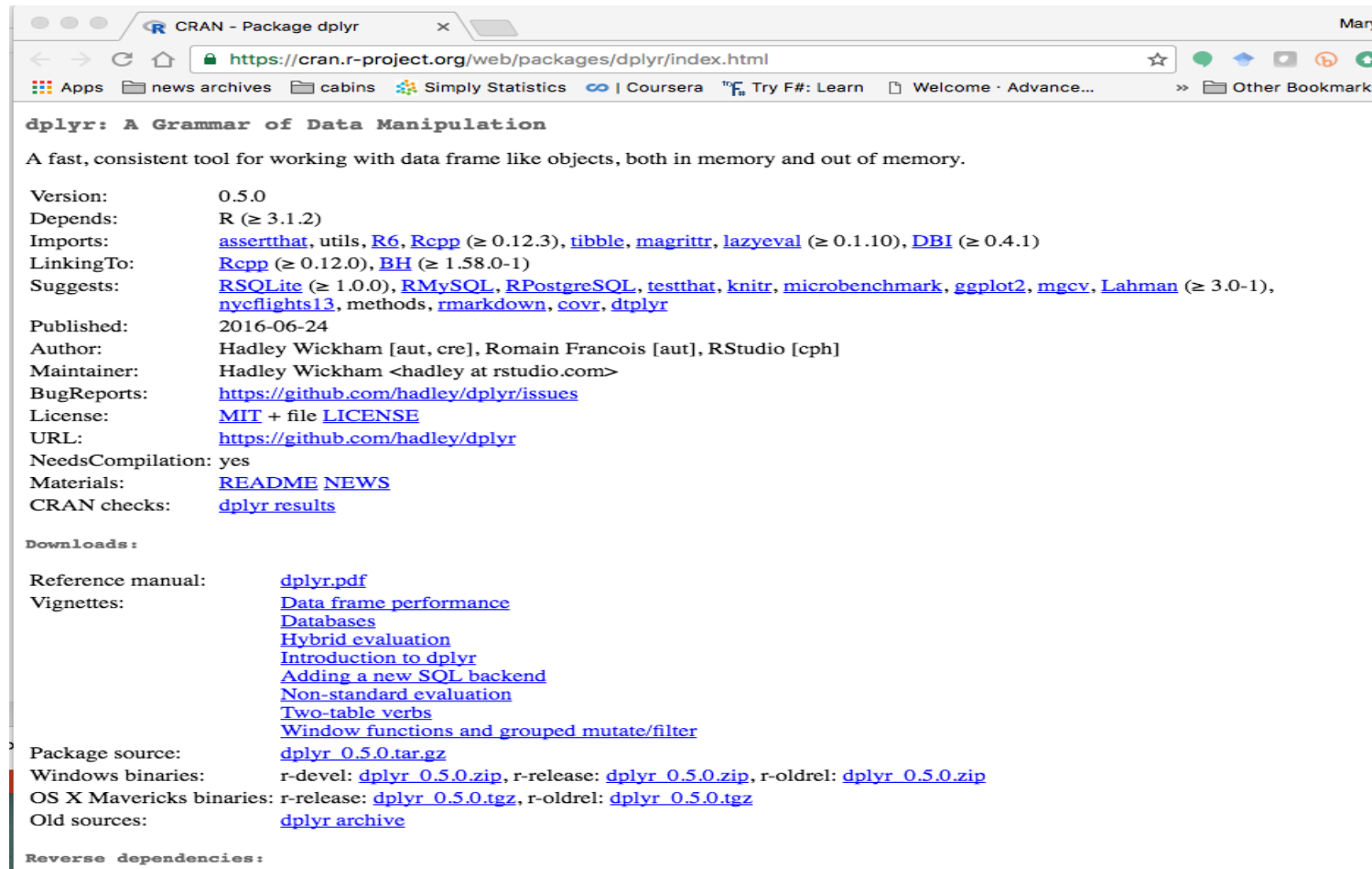
- Use specific keywords/tags
 - R
 - which package (if applicable)
 - what are you trying to do
- Look for the answer with the most votes

Tips for asking a question

- Check to see if it has already been asked and answered
- Make your title specific
- Keep your question as brief as possible, while providing all necessary detail
- Provide reproducible examples
 - as short as possible
 - as general as possible
- Use tags: r, ggplot2, knitr...
- SO tips:
<http://stackoverflow.com/help/how-to-ask>

Using CRAN – the Comprehensive R Archive Network (<https://cran.r-project.org/>)

1. R Manuals
2. Search Packages (date/package-name/title-description)
3. Package Manuals and Vignettes



The screenshot shows a web browser window with the address bar displaying <https://cran.r-project.org/web/packages/dplyr/index.html>. The page title is "dplyr: A Grammar of Data Manipulation". The main content area lists package details:

dplyr: A Grammar of Data Manipulation
A fast, consistent tool for working with data frame like objects, both in memory and out of memory.

Version: 0.5.0
Depends: R (≥ 3.1.2)
Imports: [assertthat](#), [utils](#), [R6](#), [Rcpp](#) (≥ 0.12.3), [tibble](#), [magrittr](#), [lazyeval](#) (≥ 0.1.10), [DBI](#) (≥ 0.4.1)
LinkingTo: [Rcpp](#) (≥ 0.12.0), [BH](#) (≥ 1.58.0-1)
Suggests: [RSQLite](#) (≥ 1.0.0), [RMySQL](#), [RPostgreSQL](#), [testthat](#), [knitr](#), [microbenchmark](#), [ggplot2](#), [mgcv](#), [Lahman](#) (≥ 3.0-1), [nycflights13](#), [methods](#), [rmarkdown](#), [covr](#), [dtplyr](#)
Published: 2016-06-24
Author: Hadley Wickham [aut, cre], Romain Francois [aut], RStudio [cph]
Maintainer: Hadley Wickham <hadley at rstudio.com>
BugReports: <https://github.com/hadley/dplyr/issues>
License: [MIT](#) + file [LICENSE](#)
URL: <https://github.com/hadley/dplyr>
NeedsCompilation: yes
Materials: [README NEWS](#)
CRAN checks: [dplyr results](#)

Downloads:

Reference manual: [dplyr.pdf](#)
Vignettes: [Data frame performance](#), [Databases](#), [Hybrid evaluation](#), [Introduction to dplyr](#), [Adding a new SQL backend](#), [Non-standard evaluation](#), [Two-table verbs](#), [Window functions and grouped mutate/filter](#)

Package source: [dplyr 0.5.0.tar.gz](#)
Windows binaries: r-devel: [dplyr 0.5.0.zip](#), r-release: [dplyr 0.5.0.zip](#), r-oldrel: [dplyr 0.5.0.zip](#)
OS X Mavericks binaries: r-release: [dplyr 0.5.0.tgz](#), r-oldrel: [dplyr 0.5.0.tgz](#)
Old sources: [dplyr archive](#)

Reverse dependencies:

Where to get help for problems + Where to learn more

Twitter

- R Consortium for R news
- #rstats to see what's going on
- Good people/accounts to follow to keep up with general R news/hot topics
 - Hadley Wickham
 - Jenny Bryan
 - David Robinson
 - Julia Silge
 - Karl Broman
 - RLadiesGlobal
 - Alice Data
 - Oliver Keyes
 - Kara Woo
 - Hilary Parker
 - Hilary Mason

Google+ Communities

- R Programming for Data Analysis
- Statistics and R
- Data Analysis and Statistical Inference

Email lists

<https://www.r-bloggers.com/> - daily R news and tutorials

<https://tinyletter.com/data-is-plural> - weekly newsletter with interesting public datasets

<http://dataelixir.com/> - weekly newsletter data science news and resources

<https://fronkonstin.com/> - once or twice a month: “small experiments in R” by Antonio Chinchon

<http://varianceexplained.org/> - approximately monthly David Robinson’s blog

(by no means an exhaustive list!!)





RStudio Webinars

<https://www.rstudio.com/resources/webinars/>

RStudio Essentials - 13 webinars

Shiny Essentials - 10 webinars

The Essentials of Data Science - 13 webinars

Advanced Shiny - 11 webinars

Advanced Data Science - 4 webinars

User Talks - 15 talks (as of today)

also <https://shiny.rstudio.com> for more Shiny resources,
<https://rmarkdown.rstudio.com> for interactive dashboards, and
<https://spark.rstudio.com> for more resources for using sparklyr

Podcasts

Not So Standard Deviations (Hilary Parker and Roger Peng)

<https://soundcloud.com/nssd-podcast>

Linear Digressions (Katie Malone and Ben Jaffe)

<http://lineardigressions.com/>

Partially Derivative (Chris Albon and Jonathan Morgan)

<http://partiallyderivative.com/>



Courses

<https://www.coursera.org> - 37 courses

<https://www.datacamp.com> - 37 courses

<https://www.udacity.com/>

swirl() - interactive tutorial in R

```
>install.packages("swirl")
```

```
>library("swirl")
```

```
>swirl()
```



```
Console ~/ 
> swirl()

| Welcome to swirl! Please sign in. If you've been here before, use the same name as you did then. If
| you are new, call yourself something unique.

What shall I call you? Mary

| To begin, you must install a course. I can install a course for you from the internet, or I can send
| you to a web page (https://github.com/swirldev/swirl_courses) which will provide course options and
| directions for installing courses yourself. (If you are not connected to the internet, type 0 to
| exit.)

1: R Programming: The basics of programming in R
2: Regression Models: The basics of regression modeling in R
3: Statistical Inference: The basics of statistical inference in R
4: Exploratory Data Analysis: The basics of exploring data in R
5: Don't install anything for me. I'll do it myself.

Selection: |
```

Books!

R for Data Science - Hadley Wickham and Garrett Grolemund

<http://r4ds.had.co.nz/>

R in Action - Robert Kabacoff

<http://www.statmethods.net/>



Programming is also fun!!

(R developers may be the happiest developers of all!!)

Row	tag	percent_happy	total_comments
1	r	20.18	661927
2	ruby-on-rails	17.59	905023
3	xml	17.44	570253
4	ruby	16.99	690572
5	css	16.92	2110091
6	iphone	16.85	832902
7	regex	16.77	931972
8	swift	16.4	507101
9	jquery	16.39	3877310
10	html	15.86	3022781

