MS&E 125 Section, Week 2 "Debugging in R, and you"

Simply Effective **BUG SPRAY**

Cutting corners to meet arbitrary management deadlines

Essential

Copying and Pasting from Stack Overflow

O'REILLY®

The Practical Developer
@ThePracticalDev

Josh Grossman

I have a 🪲. What should I do?

1. The duck method. Read your code line by line, explaining each line to an invisible (or visible!) rubber duck.
2. Ask Google. Try multiple phrasings.
3. Search existing Piazza questions.
4. If you're comfortable with it, make a public Piazza post. Someone else is likely struggling too!
5. Make a private Piazza post.

Press your forehead everytime you
adapt ~~copy~~ code from stackoverflow

~~First year computer~~
~~science kids~~ Every competent
programmer!

Debugging via Google

Search the **relevant** parts of your error message.

For example, don't include parts of your error message that refer to your own variables or specific data (e.g., `my_very_special_df`).

If your error message is really long, the first or final line is usually most relevant.

```
> ggplot(df) + geom_point(aes(x = year, y = count))
Error in ggplot(df) : could not find function "ggplot"
```

Error in ggplot(df) : could not find function "ggplot"

All   Images   Videos   News   Shopping   More   Settings   Tools

About 645,000 results (0.62 seconds)

3 if you see **Error in ggplot**(...) : **could not find function** "**ggplot**" , it means that the **ggplot**() **function** is **not** accessible because the package that contains the **function** (**ggplot2**) was **not** loaded with library(**ggplot2**) . Thus you **cannot** use the **ggplot**() **function** without the **ggplot2** package being loaded first.

moderndive.com › 1-getting-started
Chapter 1 Getting Started with Data in R | Statistical Inference ...

    About featured snippets   Feedback

community.rstudio.com › could-not-find-function-ggplot
could not find function "ggplot" - General - RStudio Community
Mar 27, 2019 — Hi guys, I am coding with R. My code worked untill yesterday. Today I'm getting
the following **error**: **Error** in **ggplot**(data = working_data, aes(x ...
1 answer

community.rstudio.com › ggplot-function-not-found
Ggplot function not found - RStudio Community
I have installed the **ggplot2** and ggExtra packages and done the library function on these but
when ... class) in Rmarkdown I continually get an **error** saying **could not find function** "**ggplot**". ...
p<-**ggplot**(**df**,aes(x=sort(**df**$sim.speeds),y=sort(**df**$wx.

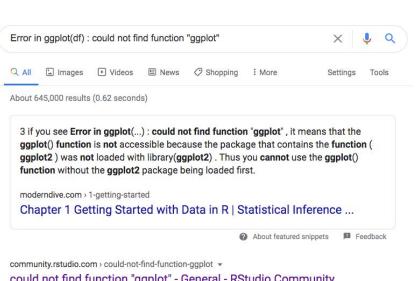stackoverflow.com › questions › using-ggplot-function...
Using ggplot function in R error : could not find function ggplot ...
Aug 3, 2020 — Try: library(**ggplot2**). Even after installing a package, you have to **load** a package
each time you **load** R. This question is answered comprehensively in the r-faq:.
1 answer

"**could not find function ggplot**" - R - Stack Overflow   Jun 5, 2018
could not find the **function ggplot2** - Stack Overflow   Dec 22, 2013

🔍 All   🖼 Images   ▶ Videos   📰 News   🏷 Shopping   ⋮ More   Settings   Tools

About 645,000 results (0.62 seconds)

3 if you see **Error in ggplot**(...) : **could not find function** "**ggplot**" , it means that the **ggplot**() **function** is **not** accessible because the package that contains the **function** (**ggplot2**) was **not** loaded with library(**ggplot2**) . Thus you **cannot** use the **ggplot**() **function** without the **ggplot2** package being loaded first.

moderndive.com › 1-getting-started

Chapter 1 Getting Started with Data in R | Statistical Inference ...

❓ About featured snippets   🏳 Feedback

community.rstudio.com › could-not-find-function-ggplot   ▾

could not find function "ggplot" - General - RStudio Community

Mar 27, 2019 — Hi guys, I am coding with R. My code worked untill yestarday. Today I'm getting the following **error**: **Error** in **ggplot**(data = working_data, aes(x ...

1 answer

community.rstudio.com › ggplot-function-not-found   ▾

Ggplot function not found - RStudio Community

I have installed the **ggplot2** and ggExtra packages and done the library function on these but when ... class) in Rmarkdown I continually get an **error** saying **could not find function** "**ggplot**". ... p<-**ggplot**(**df**,aes(x=sort(**df**$sim.speeds),y=sort(**df**$wx.

stackoverflow.com › questions › using-ggplot-function...   ▾

Using ggplot function in R error : could not find function ggplot ...

Aug 3, 2020 — Try: library(**ggplot2**). Even after installing a package, you have to **load** a package each time you **load** R. This question is answered comprehensively in the r-faq:.
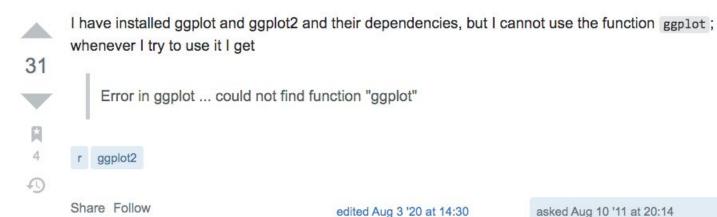
1 answer

"**could not find function ggplot**" - R - Stack Overflow   Jun 5, 2018

could not find the **function ggplot2** - Stack Overflow   Dec 22, 2013

Using ggplot function in R error : could not find function ggplot

Asked 9 years, 5 months ago   Active 5 months ago   Viewed 68k times

▲

31

▼

🔖

4

I have installed ggplot and ggplot2 and their dependencies, but I cannot use the function `ggplot` ; whenever I try to use it I get

> Error in ggplot ... could not find function "ggplot"

r   ggplot2

Share   Follow

edited Aug 3 '20 at 14:30
Timbus Calin
7,665 ●2 ●16 ●37

asked Aug 10 '11 at 20:14
optform
877 ●3 ●9 ●6

1 Answer

Try:

```
library(ggplot2)
```

Even after installing a package, you have to load a package each time you load R.

This question is answered comprehensively in the r-faq:

Error: could not find function ... in R

Share   Follow

edited May 23 '17 at 12:17

Community ♦
1 ● 1

answered Aug 10 '11 at 22:12

Ari B. Friedman
65.5k ● 31 ● 164 ● 225

Practice makes perfect

Debugging via Google is a skill that takes time to develop and is an **integral part of being a data scientist**.

Don't be disheartened if your first query doesn't answer your question!

The teaching team often rephrases the same question many times before finding a solution.

Learning new techniques

"Importing TSV data R tidyverse"

"Plotting histogram R tidyverse"

"Change axis titles R tidyverse"

"Rename reorder columns R tidyverse"

"Joining data R tidyverse"

Learning new techniques

"Importing TSV data R tidyverse"

"Plotting histogram R tidyverse"

"Change axis titles R tidyverse"

"Rename reorder columns R tidyverse"

"Joining data R tidyverse"

Tips for <u>Public</u> Piazza posts

You are welcome and encouraged to post error messages.

Include enough context for the teaching team to fully understand the cause of the error message.

We ask that you do not post your code in its entirety, but small, relevant snippets are OK.

Be sure to describe your solution thoroughly in pseudocode.

Tips for <u>Private</u> Piazza Posts

If you're still struggling after following all these steps, feel free to create a private Piazza post.

Post enough code for the teaching team to understand the source of your problem, but not more than ~10-20 lines.

Use the code formatting options available in the Piazza text editor. It makes code *much* easier to read!

I have a 🪲. What should I do?

1. The duck method. Read your code line by line, explaining each line to an invisible (or visible!) rubber duck.
2. Ask Google. Try multiple phrasings.
3. Search existing Piazza questions.
4. If you're comfortable with it, make a public Piazza post. Someone else is likely struggling too!
5. Make a private Piazza post.