

RStudio tips and shortcuts

Different ways to execute code in RStudio

Highlight a chunk of code that you want to execute and press `ctrl + Enter` (`cmd + Enter` on a Mac)

```
`` `{r}`  
# R code goes here  
x <- 5  
y <- 7  
z <- x * y  
z  
`` `
```



```
Console Terminal x Jobs x  
~/Desktop/projects/ ↗  
> x <- 5  
> y <- 7  
> z <- x * y  
> z  
[1] 35  
> |
```

Different ways to execute code in RStudio

Place your pointer on a line you want to execute and press ctrl + Enter (cmd + Enter on a Mac)

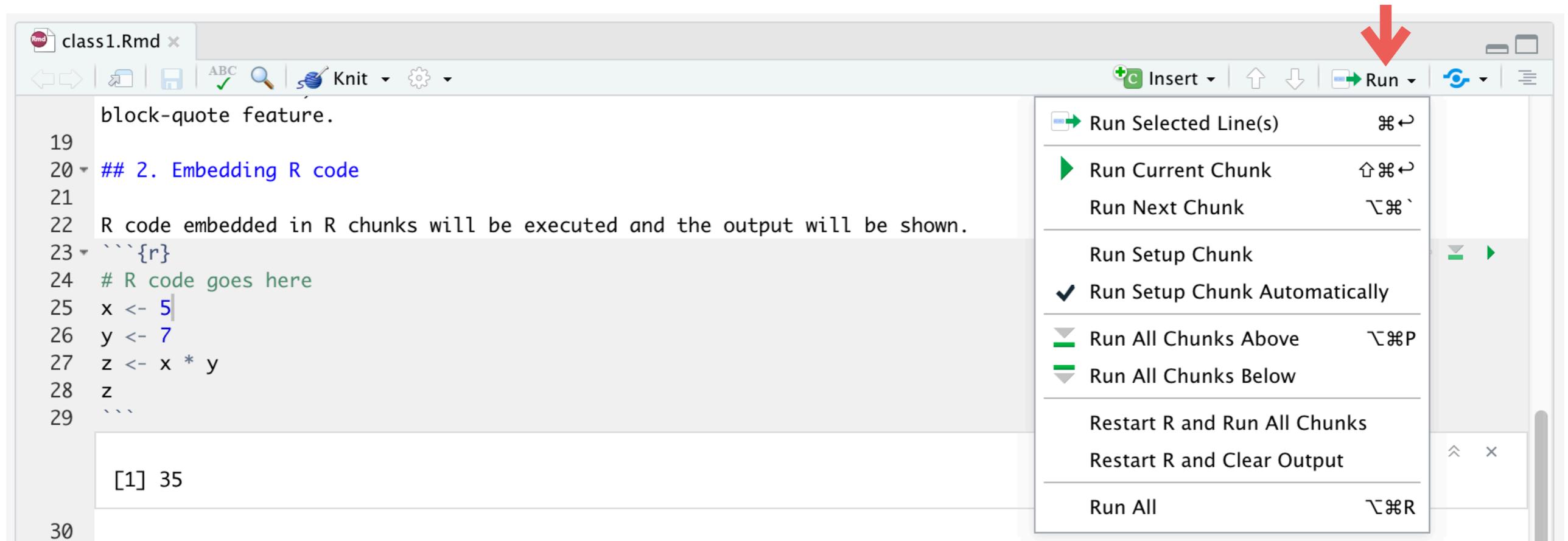
```
```${r}  
R code goes here
x <- 5
y <- 7
z <- x * y|
z
```
```



```
Console Terminal x Jobs x  
~/Desktop/projects/ ↗  
> z <- x * y  
> |
```

Different ways to execute code in RStudio

Press “Run” button



The screenshot shows the RStudio interface with a file named 'class1.Rmd' open. The editor contains the following code:

```
19 block-quote feature.  
20 ## 2. Embedding R code  
21  
22 R code embedded in R chunks will be executed and the output will be shown.  
23 ```{r}  
24 # R code goes here  
25 x <- 5  
26 y <- 7  
27 z <- x * y  
28 z  
29 ```
```

The output console shows the result of the execution: `[1] 35`.

The 'Run' button in the top toolbar is highlighted with a red arrow. A dropdown menu is open, showing the following options:

- Run Selected Line(s) ⌘↵
- Run Current Chunk ⌘↵
- Run Next Chunk ⌘↵
- Run Setup Chunk
- Run Setup Chunk Automatically
- Run All Chunks Above ⌘↵
- Run All Chunks Below
- Restart R and Run All Chunks
- Restart R and Clear Output
- Run All ⌘↵

Recall executed code

If you are working in the console, press “up” to get the previously executed lines of code

```
Console Terminal x Jobs x
~/Desktop/projects/ ↵
> z <- x * y
> z
[1] 35
> |
```



```
Console Terminal x Jobs x
~/Desktop/projects/ ↵
> z <- x * y
> z
[1] 35
> z
```



```
Console Terminal x Jobs x
~/Desktop/projects/ ↵
> z <- x * y
> z
[1] 35
> z <- x * y|
```

Shortcuts for coding

ctrl + shift + m (cmd + shift + m on a Mac) produces a pipe operator `%>%` (will be used with tidyverse)

Shortcuts for coding

ctrl + shift + c (cmd + shift + c on a Mac) comments/
uncomments lines

```
```${r}  
R code goes here
x <- 5
y <- 7
```



```
```${r}  
# R code goes here  
# x <- 5  
# y <- 7
```

Shortcuts for coding

ctrl + i (cmd + i on a Mac) reindents lines

```
```${r}  
R code goes here
x <- 5
 y <- 7
z <- x * y
```



```
```${r}  
# R code goes here  
x <- 5  
y <- 7  
z <- x * y
```

Shortcuts for coding

Highlight a word and press shift + “ to put quotation marks around the word

```
`` `{r}  
# R code goes here  
x <- hello  
x  
`` `
```



```
`` `{r}  
# R code goes here  
x <- "hello"  
x  
`` `
```

Shortcuts for coding

Highlight a word and press shift + (to put parentheses around the word

```
`` `{r}  
# R code goes here  
x <- 9, 10  
x  
`` `
```



```
`` `{r}  
# R code goes here  
x <- (9, 10)|  
x  
`` `
```

Troubleshooting

Ask RStudio for help

type `?function` into console

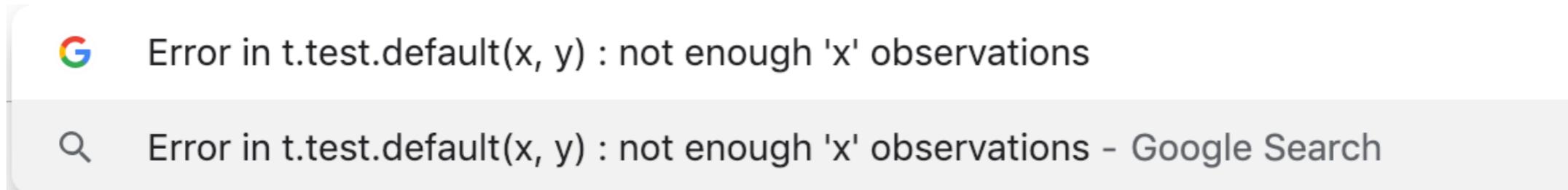
```
Console Terminal x Jobs x  
~/Desktop/projects/  
> ?t.test
```



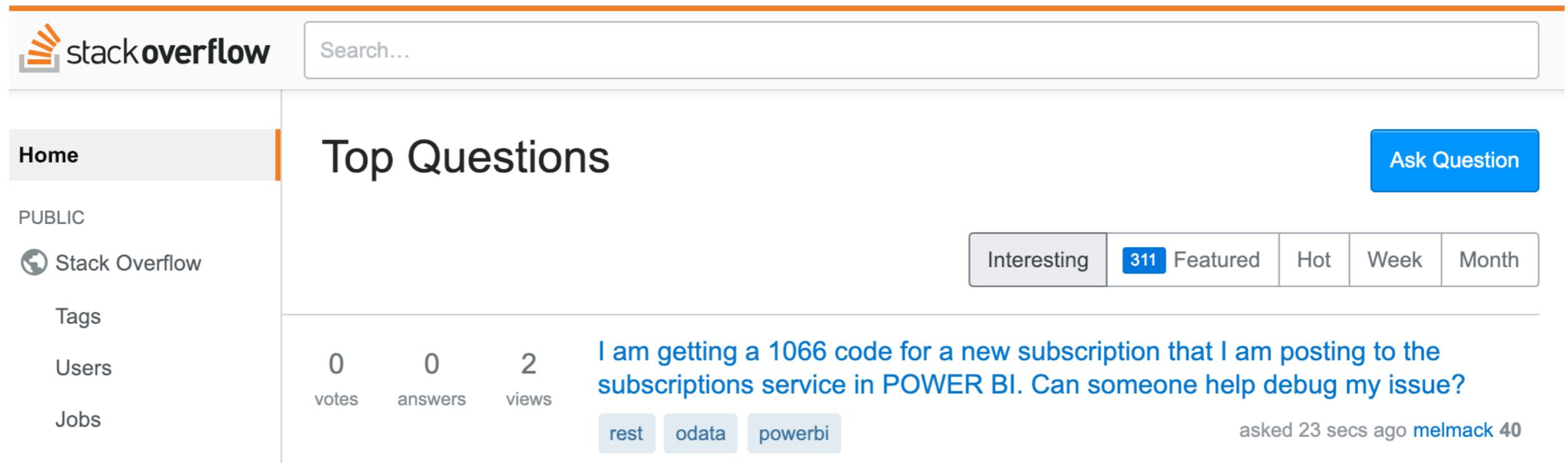
```
Files Plots Packages Help Viewer  
R: Student's t-Test Find in Topic  
t.test {stats} R Documentation  
  
Student's t-Test  
  
Description  
Performs one and two sample t-tests on vectors of data.  
  
Usage  
t.test(x, ...)  
  
## Default S3 method:  
t.test(x, y = NULL,  
       alternative = c("two.sided", "less", "greater"),  
       mu = 0, paired = FALSE, var.equal = FALSE,  
       conf.level = 0.95, ...)  
  
## S3 method for class 'formula'  
t.test(formula, data, subset, na.action, ...)
```

Ask Google and stackoverflow for help

google error messages



www.stackoverflow.com



A screenshot of the Stack Overflow website. The top navigation bar includes the Stack Overflow logo and a search bar. The left sidebar contains navigation links for Home, PUBLIC, Stack Overflow, Tags, Users, and Jobs. The main content area is titled "Top Questions" and features a blue "Ask Question" button. Below the title, there are filters for "Interesting", "311 Featured", "Hot", "Week", and "Month". A question is displayed with the following details: 0 votes, 0 answers, and 2 views. The question text is "I am getting a 1066 code for a new subscription that I am posting to the subscriptions service in POWER BI. Can someone help debug my issue?". The question has tags for "rest", "odata", and "powerbi". The question was asked 23 seconds ago by user "melmack" with a reputation of 40.

How to succeed in SDS 348/385?

Write more code

Learn more about R and RStudio on twitter

The screenshot shows a Twitter thread on the #rstats hashtag. The top tweet is from Mara Averick (@dataandme) dated Jan 21. Below it are tweets from David Robinson (@drob) dated Jan 18 and Emily Robinson (@robinson_es) dated Jan 10. The main tweet in the thread is from Hadley Wickham (@hadleywickham) dated 17 Aug 2018, which is a reply to Jenny Bryan (@JennyBryan) dated 21 Jul 2018. Jenny Bryan's tweet says "Code Smells and Feels" and "The video of my @useR2018_conf talk has been re-uploaded (at a new link), now with synchronized audio and video 🎉 #rstats thx @RConsortium" with a link to youtu.be/7oyiPBjLAWY. Hadley Wickham's reply shows a terminal snippet:

```
> librar  
> librar  
> test_s
```

 The bottom of the screenshot shows the #rstats hashtag page with navigation tabs for Top, Latest, People, Photos, Videos, News, and Broadcasts. A tweet from Katie Jolly (@katiejolly6) dated Jan 21 is visible, mentioning a new #rstats blogpost about designing circular cutouts of maps using #sf and #ggplot2.