

# Bush 631: Swirl homework assignments

## Instructions

This document provides you with instructions how to download the *Swirl* package and launch it in RStudio on your machine. I present a step-by-step details on downloading and launching the package, the chapters to answer as your homework assignments, and how to submit it to me.

## Getting Swirl into your machine

First, make sure you installed R, and RStudio. Then, after launching RStudio:

- Install the package `swirl()` using the menu on the right-hand panel.

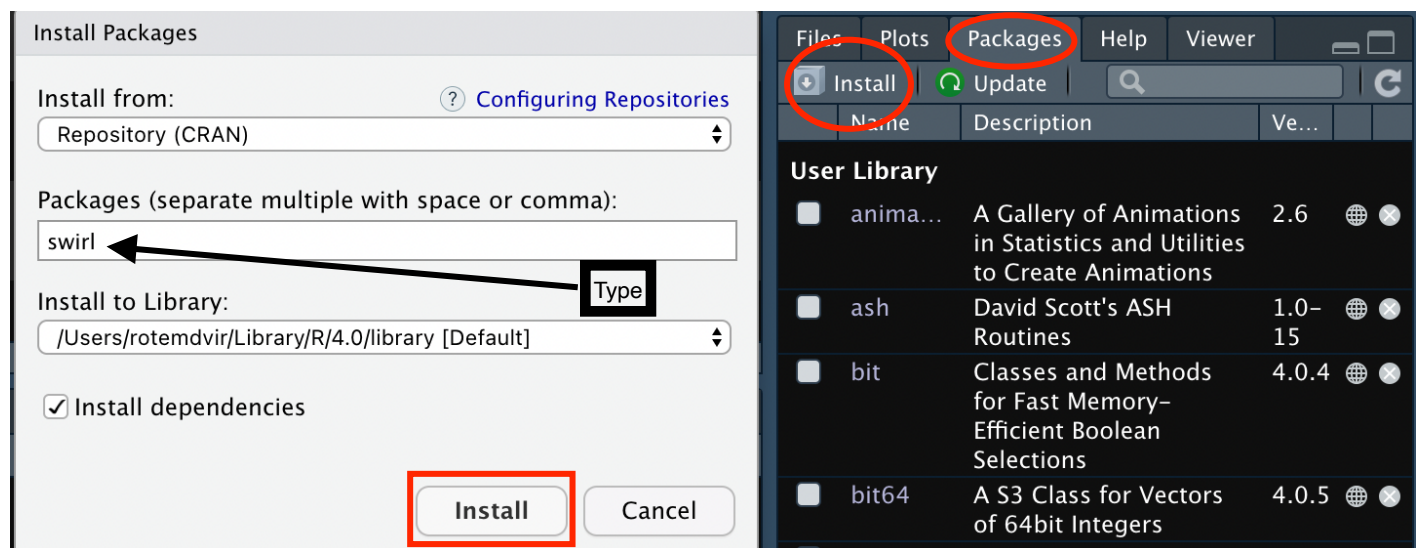


Figure 1: Installing the package

- Upload the package into your console by typing `library(swirl)`.

```
library(swirl)
```

- install the QSS-lessons by typing into the console:

```
install_course_github("kosukeimai", "qss-swirl")
```

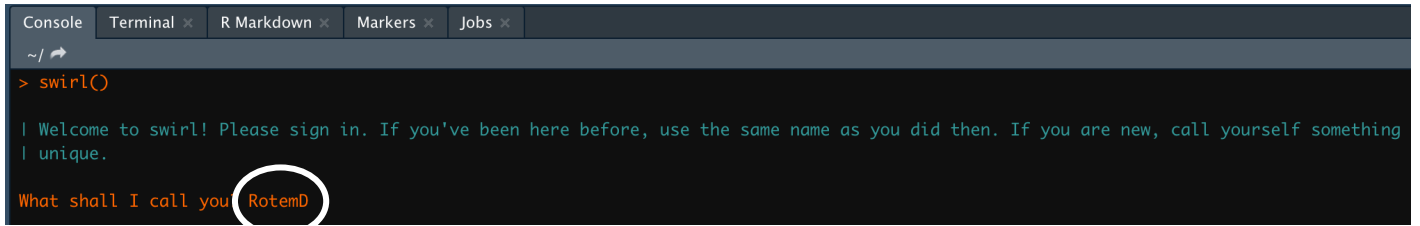
## Completing `swirl()` tasks

After uploading the package.

- Start a QSS lesson by typing into the console:

## swirl()

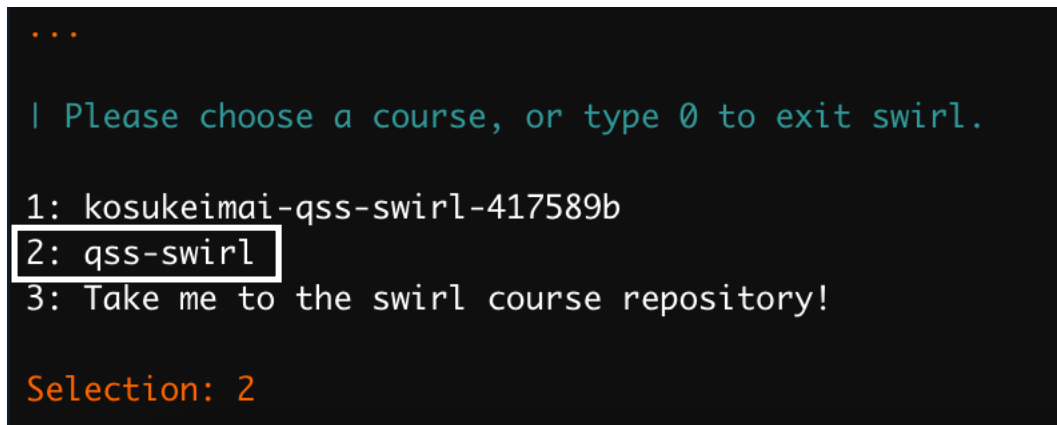
- Enter your name (you can choose any name you want, but you will need to use the same name throughout the semester).



```
Console Terminal x R Markdown x Markers x Jobs x
~/ →
> 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 RotemD
```

Figure 2: Your name

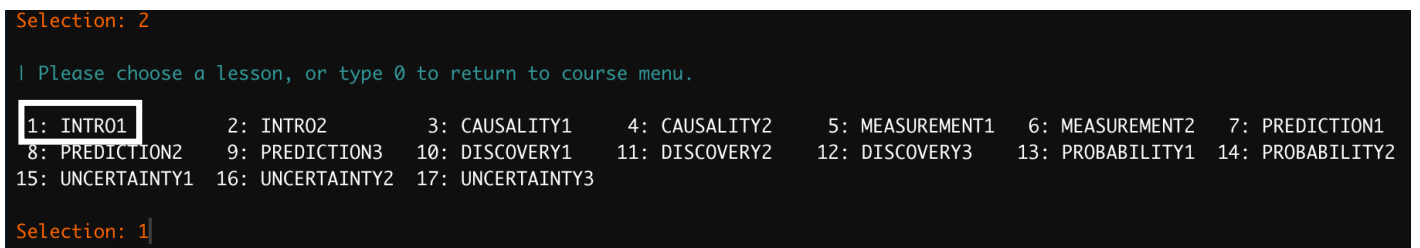
- Follow the instructions, it describes few commands you should remember.
- Choose the course 'qss-swirl'.



```
...
| Please choose a course, or type 0 to exit swirl.
1: kosukeimai-qss-swirl-417589b
2: qss-swirl
3: Take me to the swirl course repository!
Selection: 2
```

Figure 3: qss-course

- Choose lesson 1:INTRO1 (Type 1).



```
Selection: 2
| Please choose a lesson, or type 0 to return to course menu.
1: INTRO1 2: INTRO2 3: CAUSALITY1 4: CAUSALITY2 5: MEASUREMENT1 6: MEASUREMENT2 7: PREDICTION1
8: PREDICTION2 9: PREDICTION3 10: DISCOVERY1 11: DISCOVERY2 12: DISCOVERY3 13: PROBABILITY1 14: PROBABILITY2
15: UNCERTAINTY1 16: UNCERTAINTY2 17: UNCERTAINTY3
Selection: 1
```

Figure 4: Select Lesson

- Follow the instructions and answer all questions (type everything in the console).
- When you finish, take a screenshot of the message about completing.

```
| You got it!
|===== | 97%
| What do you think R will return when we type "mean(x)"?
1: the average of the remaining numbers
2: a missing value
3: the fifth highest number in "x"
Selection: 2
| That's correct!
|===== | 100%
| You've successfully completed part 1 of the Intro course!
...
| You've reached the end of this lesson! Returning to the main menu...
```

Figure 5: Completion

- To exit, select something new in the main menu

```
| You've reached the end of this lesson! Returning to the main menu...
| Would you like to continue with one of these lessons?
1: qss-swirl PROBABILITY1
2: No. Let me start something new.
Selection: 2
```

Figure 6: Exit to main menu

- Then, type 0 to exit

```
1: kosukeimai-qss-swirl-417589b
2: qss-swirl
3: Take me to the swirl course repository!
Selection: 0
| Leaving swirl now. Type swirl() to resume.
```

Figure 7: Exit swirl

- Submit the screenshot of the completed task via email **before** next week's class.
- For any subsequent lesson, type swirl() in your console.