

# 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. Below, you will find a step-by-step details on downloading and launching the package, installing the relevant course, the tasks to complete, and how to submit it.

## 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.

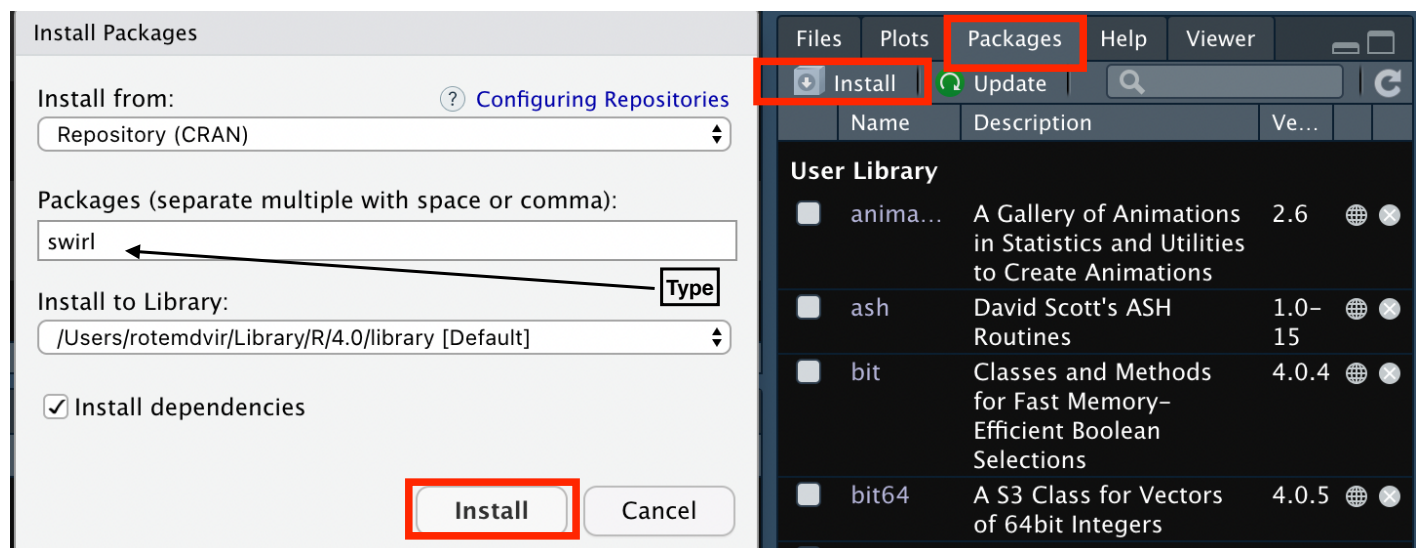


Figure 1: Installing the package

## Working with Swirl tasks

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

```
library(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

- Install the course: “R Programming: The basics of programming in R”:

```
...
| 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_cou
| rses) 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: 1|
```

Figure 3: Install Course

- After the installation is complete, select the course:

```
|=====| 100%
| Course installed successfully!

| Please choose a course, or type 0 to exit swirl.

1: R Programming
2: Take me to the swirl course repository!

Selection: 1|
```

Figure 4: Your course

- Follow the instructions, it describes few commands you should remember.

- Choose the lesson you want to complete:

```

| Please choose a lesson, or type 0 to return to course menu.
1: Basic Building Blocks      2: Workspace and Files      3: Sequences of Numbers      4: Vectors                    5: Missing Values
6: Subsetting Vectors        7: Matrices and Data Frames 8: Logic                      9: Functions                  10: lapply and sapply
11: vapply and tapply        12: Looking at Data         13: Simulation                14: Dates and Times          15: Base Graphics

Selection: 1

```

Figure 5: 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 the lesson.

```

R 4.2.1 ~~/Documents/Job Market Folder/App_Docx/Market2020/UBC/
> rep(c(0, 1, 2), each = 10)
[1] 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2
| You nailed it! Good job!
| =====| 100%
| Would you like to receive credit for completing this course on Coursera.org?
1: No
2: Yes
Selection: 1
| Keep working like that and you'll get there!
| You've reached the end of this lesson! Returning to the main menu...
| Please choose a course, or type 0 to exit swirl.
1: Exploratory Data Analysis
2: R Programming
3: Regression Models
4: Take me to the swirl course repository!
Selection: 2

```

Figure 6: Completion

- To complete another lesson, type the number of the course and then select another lesson from the list.
- To exit, type 0.

## Submit lessons

What to do after I'm done with this week's swirl()?

- Submit the screenshot of the completed task via email **before** next week's class.