

# BERD Getting Started with R and Rstudio

*Pre-workshop Installation Instructions*

*Updated: 2020-08-26*

## Pre-course installation

- R and Rstudio are two separate programs. You must install R first. Then install Rstudio desktop.
- For help, try [watching this video](#)
- Even if you have R installed already, we highly recommend installing the latest version if it has been a while since you installed it. Just follow the instructions as below to update everything.
- **TRY TO DO THIS YOURSELF BEFORE THE WORKSHOP** If you have tried it at home and still have questions, come to the workshop 30 minutes early and the instructors will try to help.

## Install R (first)

- Windows: Download from <https://cran.rstudio.com/bin/windows/base/> from the link “Download R 4.0.2 for Windows”
- Mac OS X: Download the latest .pkg file (top link, currently R-4.0.2.pkg) from <https://cran.rstudio.com/bin/macosx/>

## Install RStudio Desktop Open Source License (second)

- Select download file corresponding to your operating system from <https://www.rstudio.com/products/rstudio/download/#download>

## Open Rstudio

After installation, open Rstudio by clicking on the Rstudio icon, a round blue ball with R in it, that should look something like this:

Do not open the regular R software, it is just working in the background when you use Rstudio.



Figure 1:

## Prepare for the course

### *Highly recommended*

- Get acquainted with Rstudio (and R) prior to the workshop. You will get much more out of the workshop if you have opened the software and explored the interface first.

### *Recommended*

- Try out the [Programming basics](#) interactive lesson from Rstudio.
- Look over [slides from a previous version of this workshop](#)

### Still want more preparation?

- **Very Useful:** [Rstudio interactive lessons](#)
- View previous OHSU OCTRI BERD workshops that have been recorded, including an earlier version of “Getting Started with R and Rstudio”
  - Slides at [github.com/jminnier/berd\\_r\\_courses](https://github.com/jminnier/berd_r_courses)
  - [Recordings are on echo](#). Search for BERD.
- Long list of other resources [here](#)
- [Rstudio IDE cheatsheet](#)
- [Modern Dive textbook chapter getting started](#)
- [R bootcamp - interactive tutorial](#) Ted Laderas & Jessica Minnier
- [Introduction to module and RStudio](#) by Emma Rand
- [Basic Basics](#) opinionated tour of Rstudio

## Instructor Info

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Slides and code for BERD workshop materials: [jminnier/berd\\_r\\_courses](https://github.com/jminnier/berd_r_courses)