BERD Getting Started with R and Rstudio

Pre-workshop Installation Instructions

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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 3.6.1 for Windows"
- Mac OS X: Download the latest .pkg file (top link, currently R-3.6.1.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.

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 the original 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
  - Recordings are on echo.
- 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