

# Workshop Setup and Pre-Workshop Prep

ACWA Open Source Workshop, 2021

## R

If you already have R installed, please ensure you are using version 4.1.1. If not, follow the instructions below. If you do not have R installed, follow the instructions below.

1. Open a web browser and navigate to the Duke CRAN mirror: <http://archive.linux.duke.edu/cran/>
2. Please select your operating system (Mac, Windows, Linux)

For Windows Users: install the **base package**

For Mac Users: install the R-4.1.1.pkg file. Note: you must have OS X 10.13 (High Sierra) installed or higher. You must also install XQuartz, which can be found in the Latest Release paragraphs on the same page.

## RStudio

If you already have RStudio installed, please ensure you are using version 1.4.1717 (if you are using a relatively recent version, you likely won't run into any problems). To check that you are using the most up-to-date version, go to the Help menu in RStudio and select "Check for Updates." You will be instructed to install any updates that are available.

If you do not have RStudio installed on your computer, please do the following:

1. Open a web browser and navigate to <http://www.rstudio.com/products/rstudio/download/>
2. Select and download the appropriate installer for your operating system (Windows, Mac, Linux)
3. Open the installer and follow the onscreen directions

## Testing your R setup prior to the workshop

Open the file "TestScript.R" and run the lines to install the packages we are using for the workshop and test if your software is functioning properly.

## Other R resources

If you would like additional resources for using R and RStudio, R for Data Science is a great resource for developing R skills.