

# Installing R/RStudio For the Workshop

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Please email Ted ([laderast@ohsu.edu](mailto:laderast@ohsu.edu)) if you have any problems installing R.

## Getting Started

1. Download the latest R Binary from <https://cran.r-project.org> and install it by double clicking on the file. Here's the links for each of the different operating systems.

- [Windows](#)
- [Mac OS X](#)
- [Linux](#)

For Windows users: IMPORTANT! Don't install R under `C:/Program Files/` as it will cause you a lot of issues with installing R packages because of the space in `Program Files`. Instead, create a directory called R in your base C: directory and install R there.

2. Download the free version (Open Source License) of RStudio Desktop from <https://www.rstudio.com/products/rstudio/download/> and install it.
3. Open up RStudio. I recommend watching an introduction to the different parts of the RStudio user interface, here's a link: <https://ismayc.github.io/rbasics-book/3-rstudiobasics.html>). In the console window, paste the following commands:

```
install.packages(c("shiny", "dplyr", "visdat", "ggplot2",  
"nanian", "data.table", "devtools", "DT", "shinydashboard"), dependencies=TRUE)
```

```
install.packages(pkgs = "caret",  
                 dependencies = c("Depends", "Imports"))
```

```
devtools::install_github("ropensci/skimr")
```

4. Download the project workspace here: <https://ohsu.box.com/s/q20f9aacfxh85ihi6qjn1ljcnjsvz7xi>. Please email me ([laderast@ohsu.edu](mailto:laderast@ohsu.edu)) if you can't access it. If you have a zip file, make sure to expand the folder rather than just double clicking on it.

## Testing your Install Out

5. Click on the `shhs_workshop.rproj` file in the `shhs_workshop` folder. Make sure you can see the contents of the directory in the `files` tab on the lower right.
6. Try running the following commands in the console. If you get a window that pops up, you are ready for the workshop!

```
library(shiny)  
runApp()
```