

# Getting Started

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## Introduction

We'll be using Rstudio for statistical computation in this course. We will log onto the Rstudio server which lives on a computer at HCC. You can install R and Rstudio on your personal computer, if you'd like, but that is in another video.

## Log into the server

1. Navigate your browser to: <http://hcc-rstudiosrv1.hcc.edu:8787/auth-sign-in>
2. Use your @hcc.edu email and password to log in. If you forgot your password the help desk phone number is: 413.552.2075

### example:

username: nschwab@hcc.edu

password: \*\*\*\*\*

## Install tinytex()

### Attempt 1

Copy and paste into the console: `tinytex:::is_tinytex()` and hit enter - If the word TRUE shows, you are done, and you can close this and move on. - If FALSE go to the next step.

### Attempt 2

- Copy and paste into the console: `tinytex::install_tinytex()` and hit enter  
You will see a bunch of red script-let it run until it stops.
- At the top click Session > Restart R
- Copy and paste into the console: `tinytex:::is_tinytex()` and hit enter
  - If the word TRUE shows, you are done, and you can close this and move on.
  - If FALSE go to the next step

### Attempt 3

- Copy and paste into the console: `install.packages("tinytex")` and hit enter  
You will see a bunch of red script- let it run until it stops
- At the top click Session > Restart R

- Copy and paste into the console: `tinytex:::is_tinytex()` and hit enter
  - If the word TRUE shows, you are done, and you can close this and move on.
  - If FALSE go to the next step

#### Attempt 4

- Click the little red power button in the upper right hand corner to end the session.
- Then start a new session and type `tinytex:::is_tinytex()` if it says FALSE contact me.

Continue to next page for an Rstudio tour

## Tour of Rstudio

To help remember all of the things we need for this class, I've made a cheat sheet. Let's reference it to do the following:

- Make/knit your first .Rmd
- Keep yourself organized
- Focus on the name of the file's spacing
- Renaming a file
- Downloading file from Rstudio.
- Uploading a file to Rstudio.
- Copying and pasting plain text.
- Taking a screen shot

## Console vs. Rmarkdown

- Scratch work can be done in the console
- Do homework calculation in an .rmd to save your work.
- R Assignments knit in markdown

## Grey Chunk vs white space

- Spacing in chunk
- Chunk titles

## Practice

- Make first knit .Rmd file.
- Delete all the default stuff below the YAML.
- Add a chunk to add some numbers together.
- Save it as your\_name\_tut\_1.Rmd
- Knit your markdown file as .pdf.
- Download file