

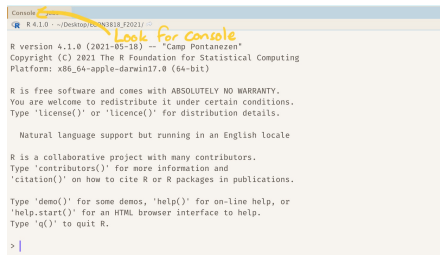
## Instructions for R Homework 0

### Install R and RStudio

The first part of the assignment is aimed at getting your computers set up for the rest of the course. You need to download two different softwares.

1. **R** is the statistical software that we will use for this course.
2. **RStudio Desktop** is a visual code editor that makes editing and running code way easier. This is what I will use to demonstrate all the coding in the class.

You will know that you have installed R and RStudio Desktop correctly if when you start RStudio, you see the following message in the Console tab.



```
Console
R 4.1.0 (2021-05-18) -- "Camp Pontanezen"
R version 4.1.0 (2021-05-18) -- "Camp Pontanezen"
Copyright (C) 2021 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin17.0 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> |
```

Good job! Now, we have to install two packages. Copy the following lines into the console and hit enter. This will take a minute or two, but once you have done this you will be ready for the semester.

```
install.packages("tidyverse")
install.packages("rmarkdown")
```

It should look like this when you are finished:



```
> install.packages("tidyverse")
trying URL 'https://cran.rstudio.com/bin/macosx/contrib/4.1/tidyverse_1.3.1.tgz'
Content type 'application/x-gzip' length 421072 bytes (411 KB)
=====
downloaded 411 KB

The downloaded binary packages are in
/var/folders/_K/_xrklgq15f152h7pfdnxb3n40000gn/T//RtmpwvCCic/downloaded_packages
```

## R Markdown

You should download the file `HW0.Rmd` from canvas. It's a good idea to put all the files for the course into a separate folder so that they all stay together and you don't accidentally delete them. Students in the past just leave them in the messy Downloads folder which makes things hard to find. Double click `HW0.Rmd` and it should open up in RStudio automatically.

Welcome to your first RMarkdown document! You might feel very lost, so the first thing we will do is have you read through some resources to familiarize yourself with Markdown and RMarkdown. To begin, read through these pages:

1. [Using Markdown](#)
2. [Using RMarkdown](#)

## Instructions for Assignment

Two things for you to do for this assignment.

1. Chose a theme for our `html_document`

At the top of the Rmd document, there is `YAML` data between the two `---` tags. Choose a theme by looking at this [Theme Gallery](#). If it says from `_____` package, you can install that package using `install.packages("_____")`.

While you are there, change the name parameter to your name.

2. Fill out the few tasks given in the document
3. Upload completed html file to canvas.