Week-1: Code-along

NM2207: Computational Media Literacy 2023-08-13

Welcome! Here is your first tryst with @ and posit Cloud. Worry not, go through the steps described below, carefully. It is totally fine to get stuck - ASK FOR HELP; reach out to your friends, TAs, or the discussion forum on Canvas. Here is what you have to do, 1. **Listen** to the video lectures 2. Follow the instructions in this file for assistance with configuring the required software suite

I. Installation of R and R Studio

1. Windows users please follow the installation instructions in the link below

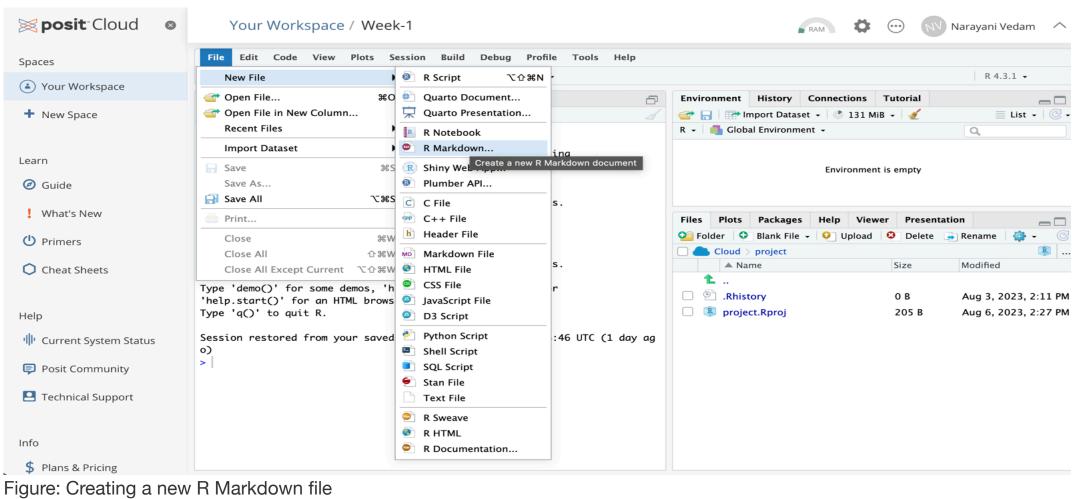
https://teacherscollege.screenstepslive.com/a/1108074-install-r-and-r-studio-for-windows

2. Macbook users please follow the installation instructions in the link below

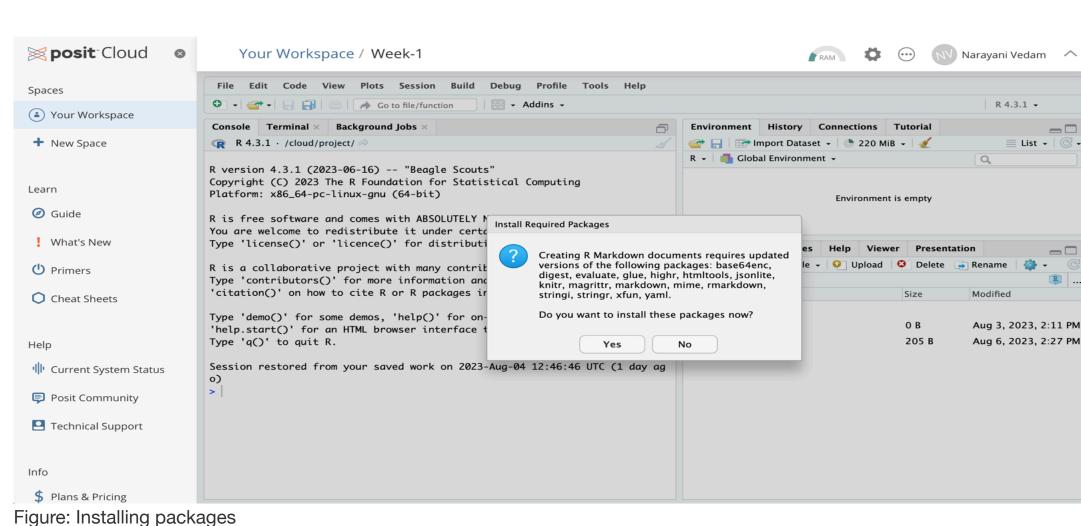
https://teacherscollege.screenstepslive.com/a/1135059-install-r-and-r-studio-for-mac

II. R Markdown

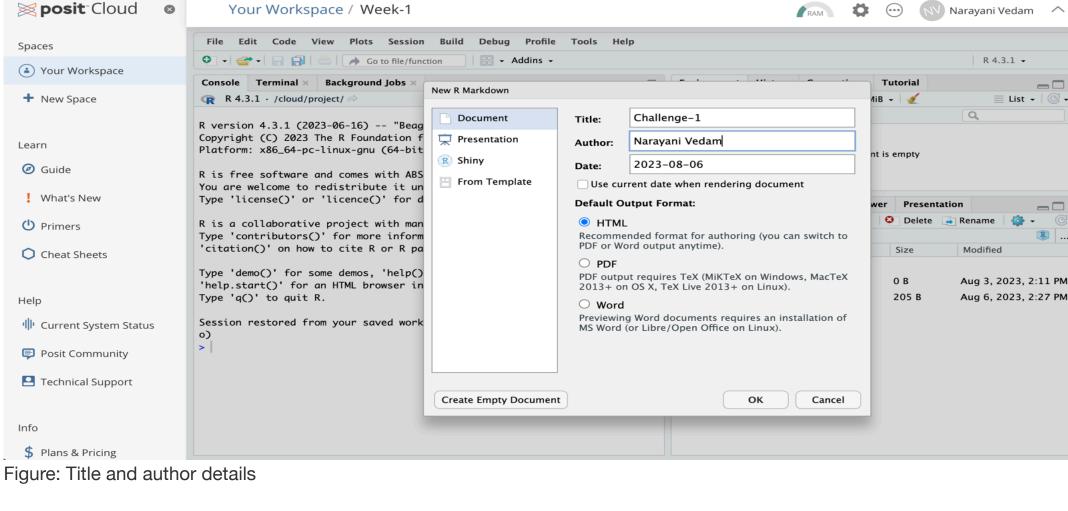
1. Click on File -> New File -> R Markdown



2. A dialog box will pop up asking whether you want to install certain "packages". Click Yes and then wait while those packages are installed



- 3. A box will pop-up, where you can name the new "R Markdown" document • Give it any name – for e.g. Challenge 1 and then the name of the "author" i.e. yourself
 - Ensure that "HTML" is selected as the "Default Output Format"
 - Try picking the other formats too and see for yourself how the output files change.



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Spaces

• This is a raw file and is full of **Q** code and text. Don't worry, you don't need to understand any of it at the moment.

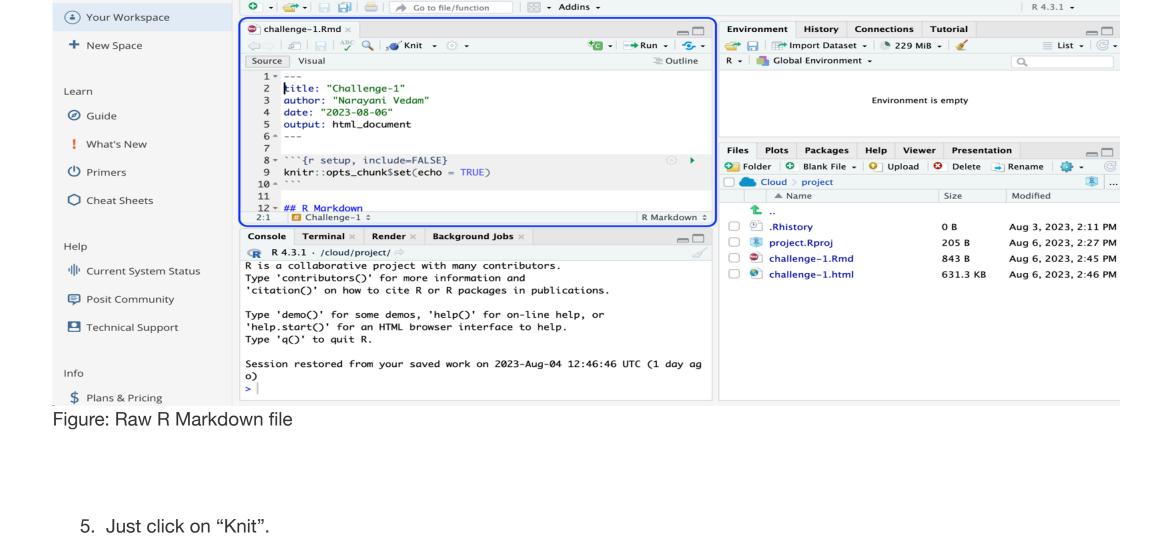
4. A default R markdown file will be created.

Your Workspace / Week-1

Your Workspace / Week-1

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File Edit Code View Plots Session Build Debug Profile Tools Help



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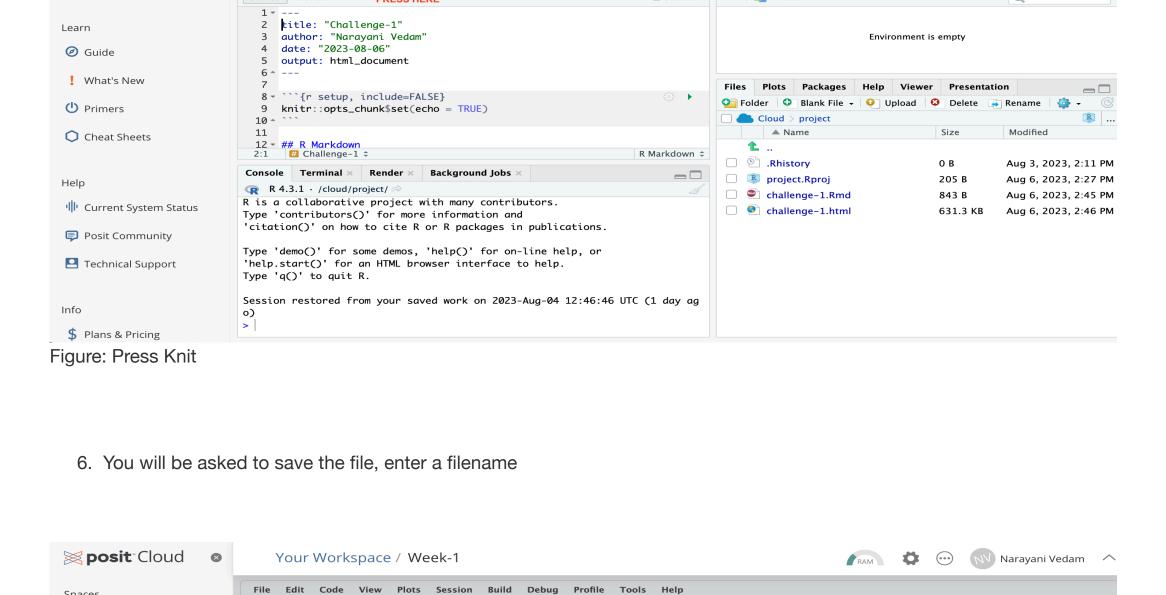
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posit Cloud File Edit Code View Plots Session Build Debug Profile Tools Help Your Workspace

★ New Space

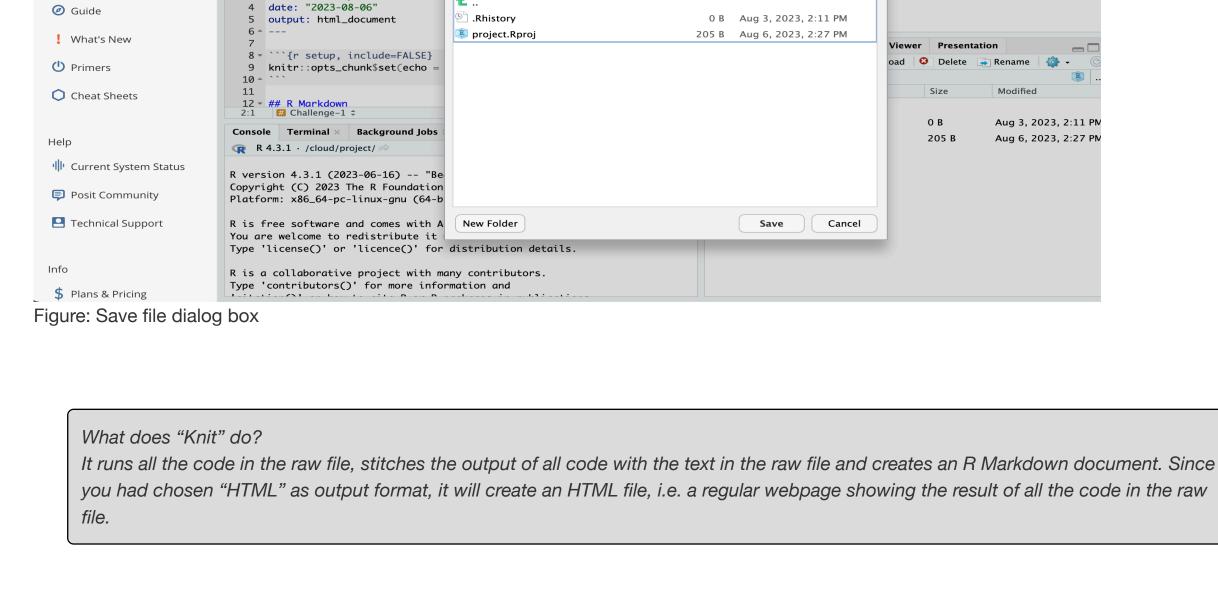
Your Workspace

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Untitled1 × ∑ Gave File – Untitled1 ♣ New Space Source Visual title: "Challenge-1" / > cloud > project author: "Narayani Vedam'

◆ Go to file/function

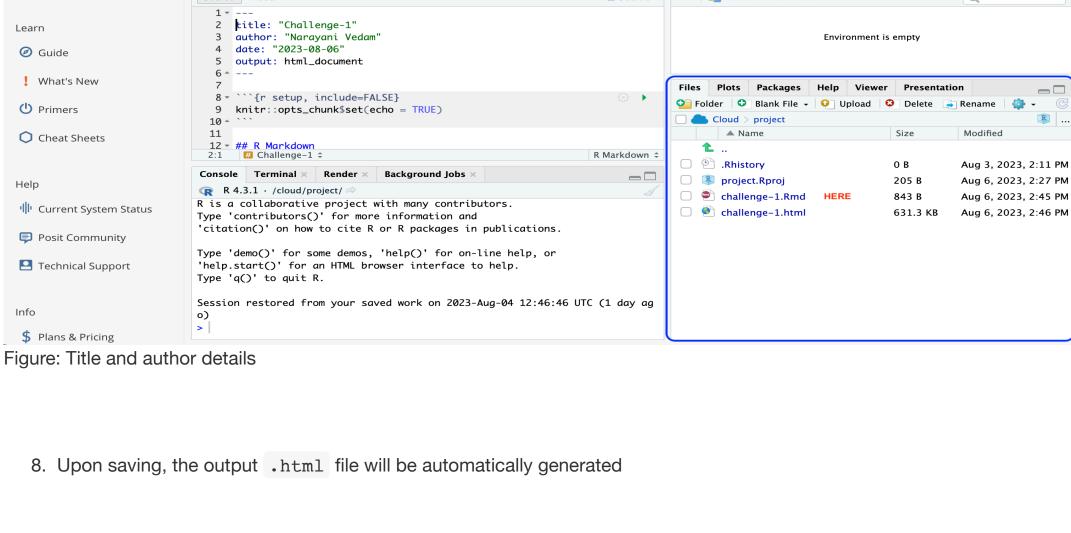


Your Workspace R 🗸 📋 Global Environment

File Edit Code View Plots Session Build Debug Profile Tools Help

7. The saved file(s) can be found in the Files pane (bottom right corner of your IDE)

Your Workspace / Week-1



6 59414b2a83cb4176a09f45865d54ebb8.app.posit.cloud/?view=rmarkdown

```
challenge-1.html 🧢 Open in Browser 🔍 Find
                                                                                                                                         🧽 Publish 🗸 │
                Challenge-1
                Narayani Vedam
                2023-08-06
                R Markdown
                This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details
                on using R Markdown see http://rmarkdown.rstudio.com
                When you click the Knit button a document will be generated that includes both content as well as the output of any embedded R code chunks
                within the document. You can embed an R code chunk like this:
                         speed
                 ## Min. : 4.0 Min. : 2.00
                 ## 1st Qu.:12.0 1st Qu.: 26.00
                     Median :15.0 Median : 36.00
                  ## Mean :15.4 Mean : 42.98
                     3rd Qu.:19.0 3rd Qu.: 56.00
                Including Plots
                You can also embed plots, for example:
                                                                                               0
Figure: Output .html file
```