Week-1: Code-along

NM2207: Computational Media Literacy 2023-08-13

Welcome! Here is your first tryst with R and R Studio. 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

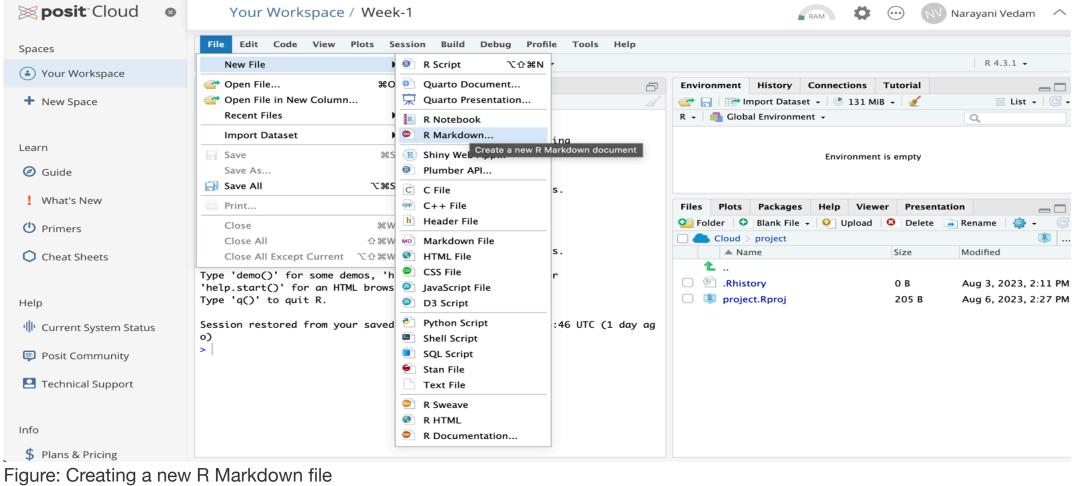
https://teacherscollege.screenstepslive.com/a/1108074-install-r-and-r-studio-for-windows

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

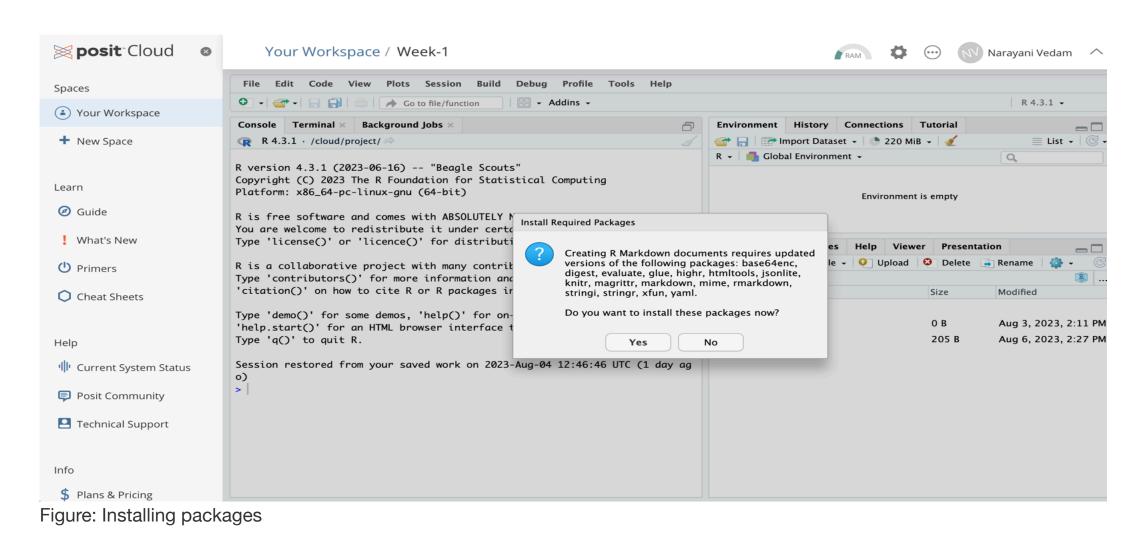
https://teacherscollege.screenstepslive.com/a/1135059-install-r-and-r-studio-for-mac

II. R Markdown

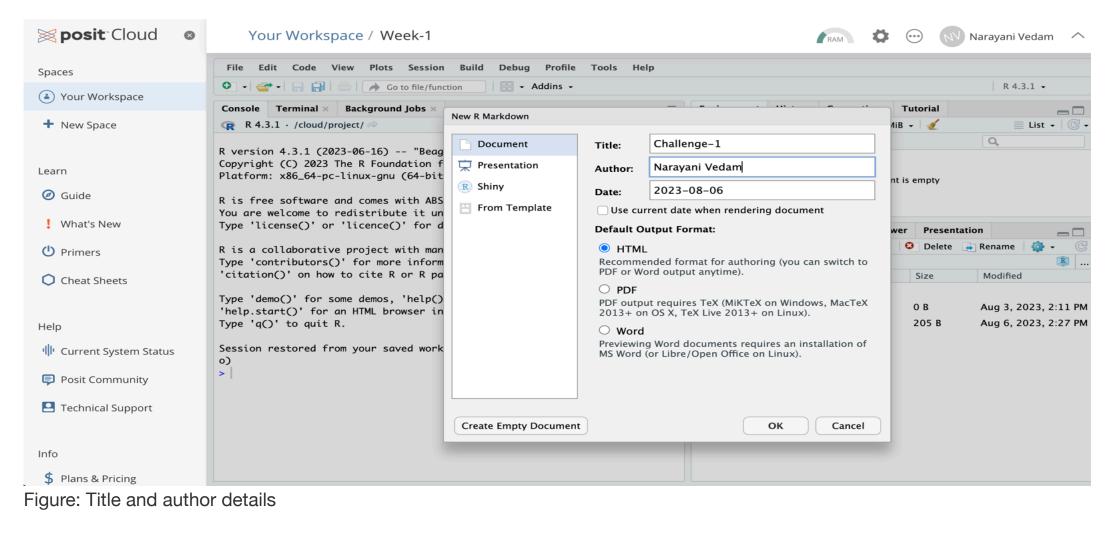
1. Click on File -> New File -> R Markdown



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.



4. A default R markdown file will be created.

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Spaces

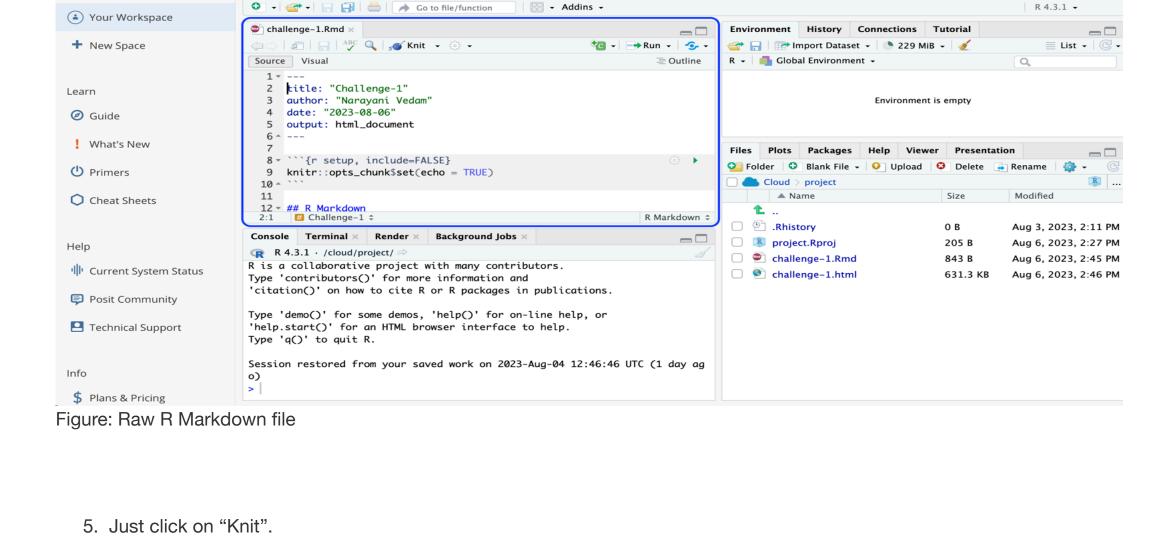
- This is a raw file and is full of **Q** code and text. Don't worry, you don't need to understand any of it at the moment.

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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Environment History Connections Tutorial

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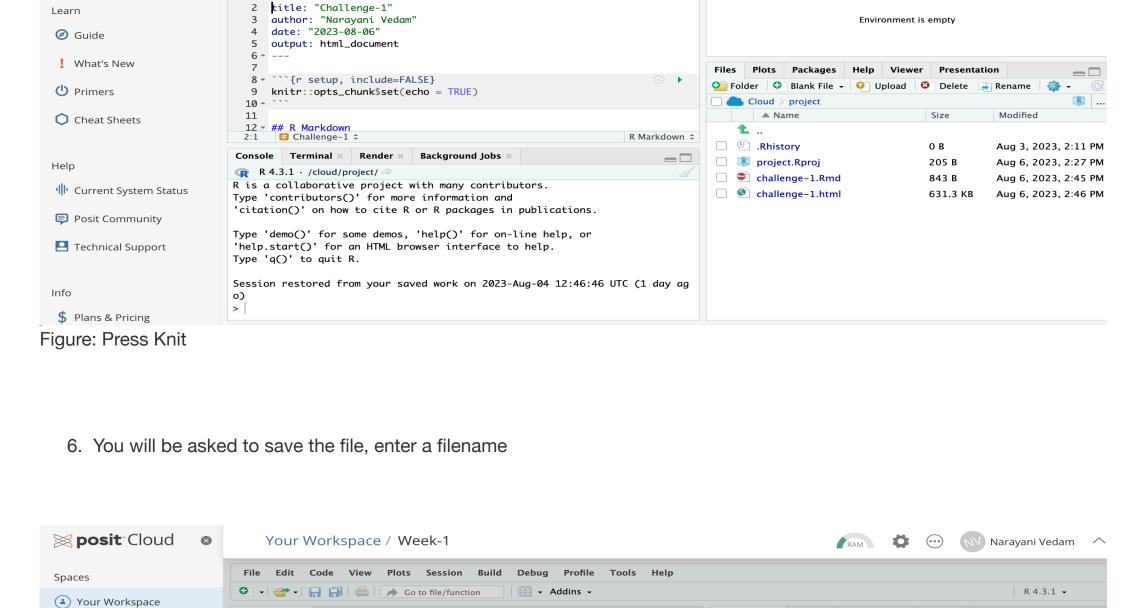
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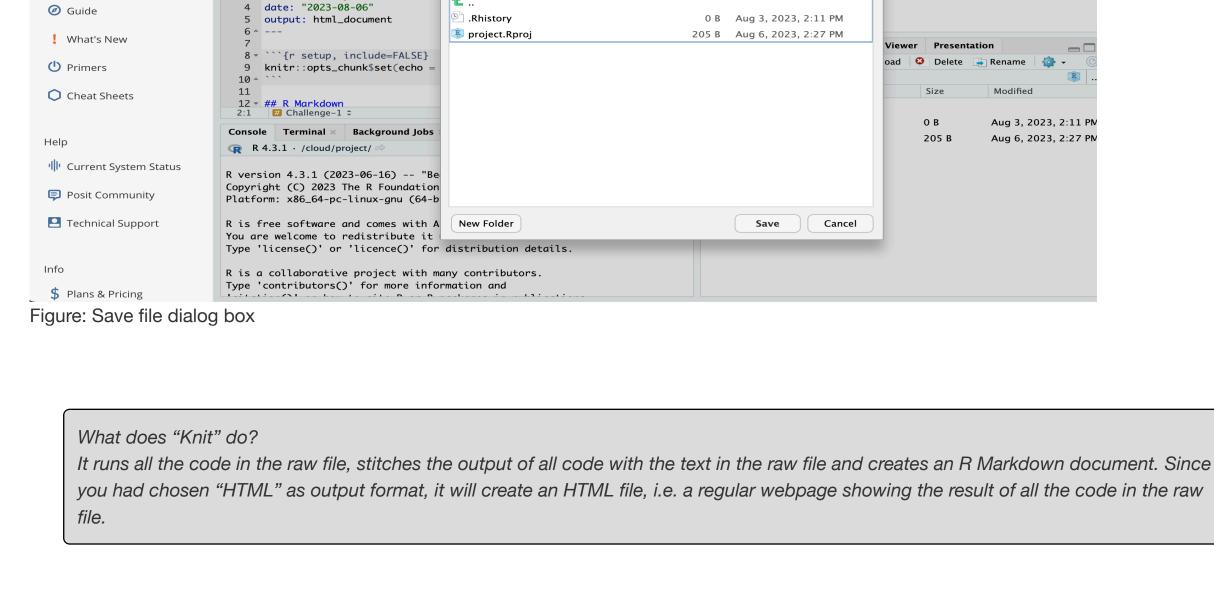
R 4.3.1 →

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★ New Space



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



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

File Edit Code View Plots Session Build Debug Profile Tools Help

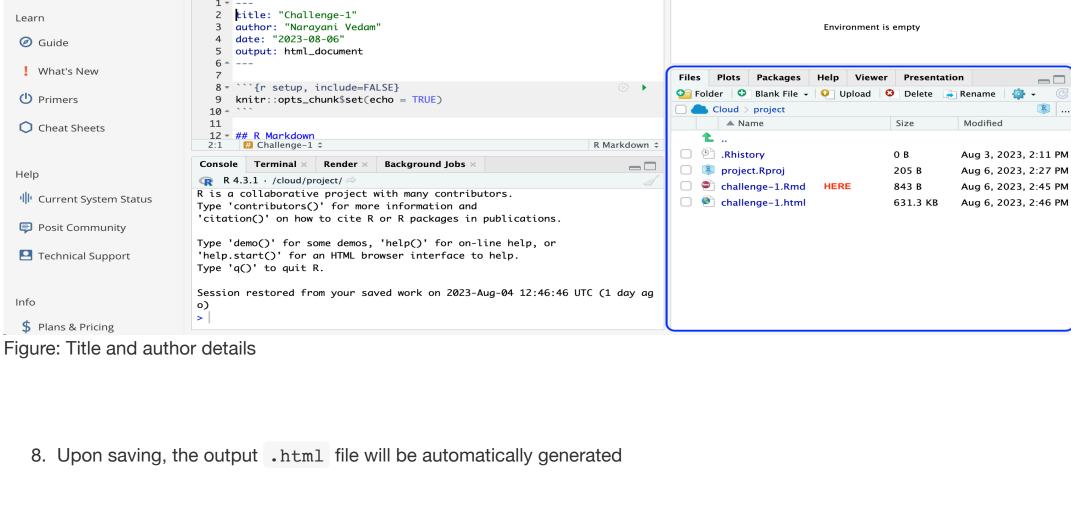


Figure: Output .html file

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

Your Workspace

```
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:
```

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