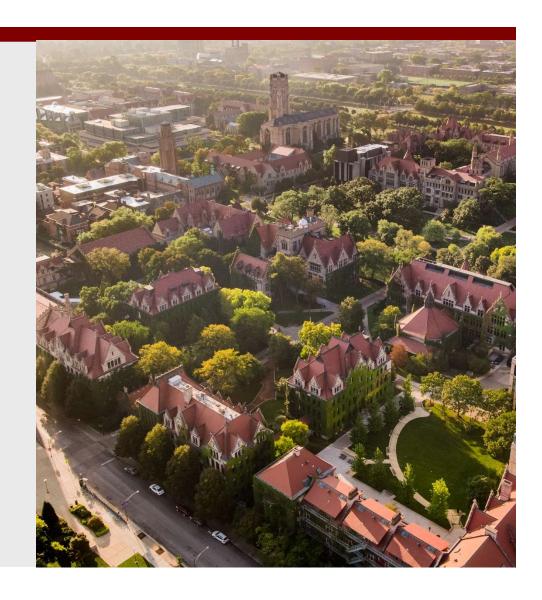
University of Chicago Professional Education

Programming for Analytics

Guide to Create R Markdown File



☐ Introduction

This document is designed to provide a step-by-step guide to create a R Markdown file. There will be three parts as follows:

Part 1: How to create an R Markdown file in RStudio.

Part 2: Write a script with text and R code chunks.

Part 3: Create an R Markdown document ready to be 'knit' into an html document to share your code and results.

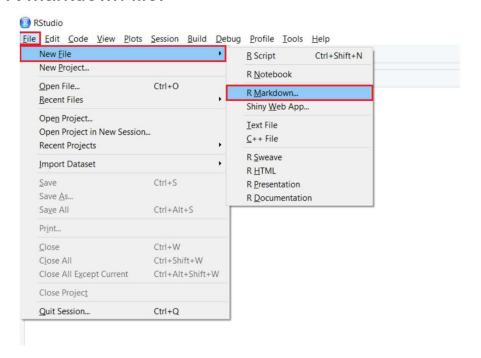
You will need the most current version of R and, preferably, RStudio loaded on your computer.

Install R Packages:

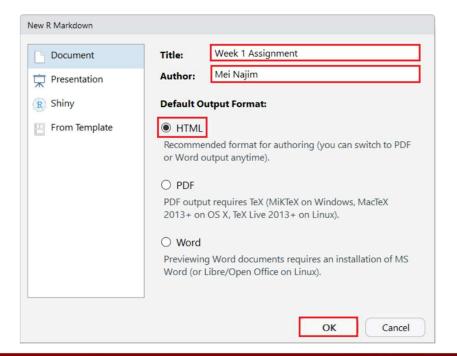
knitr: install.packages("knitr")

rmarkdown: install.packages("rmarkdown")

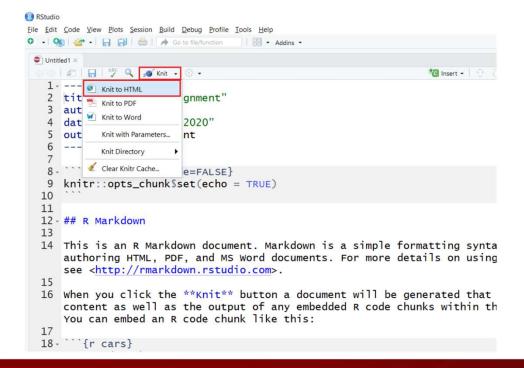
Create a new R Markdown file:



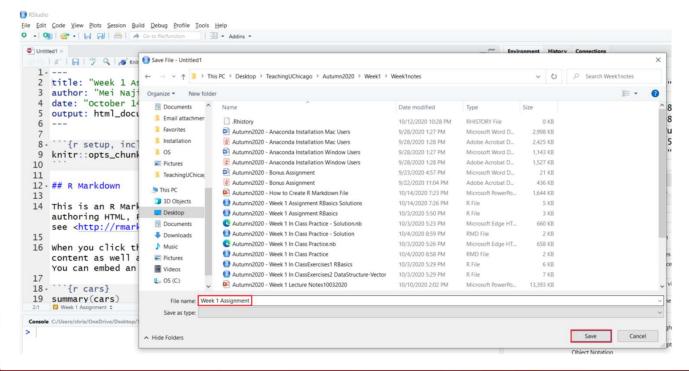
There will be three parts as follows (choose html as the desired output format)



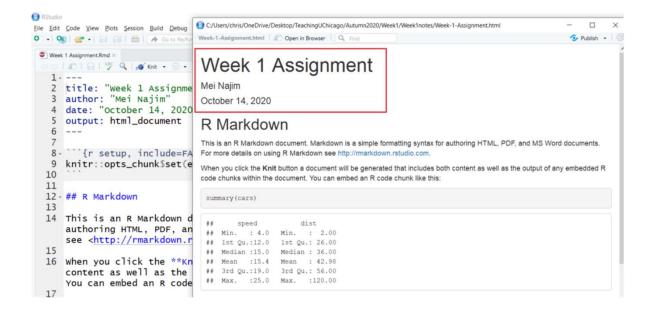
• Knit to HTML file:



• Save the file:

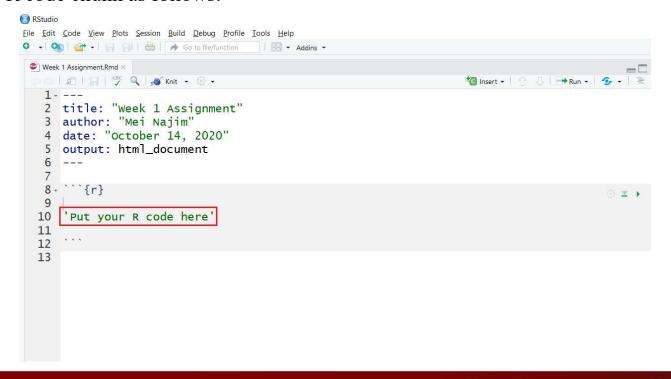


• The html output:



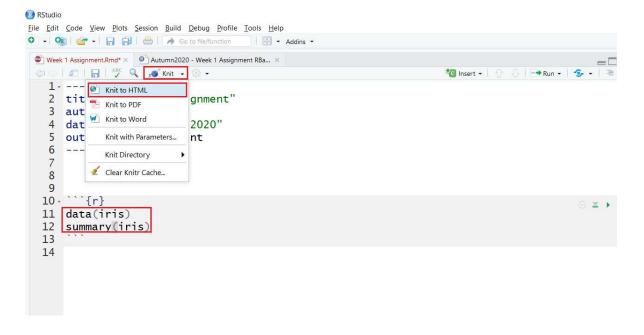
☐ Introduction – Write R code chunk

• Write R code chunk as follows:



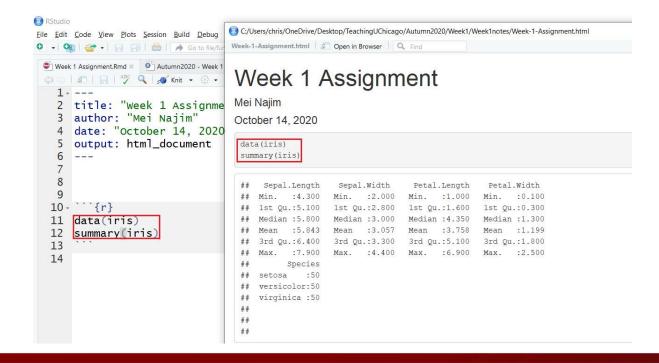
☐ Introduction – Write R code chunk and Knit to HTML

• An example to write R code chunk as follows:



☐ Introduction – Knit R Markdown to html File

• An example to knit to html file as follows:



☐ Introduction – R Markdown Syntax

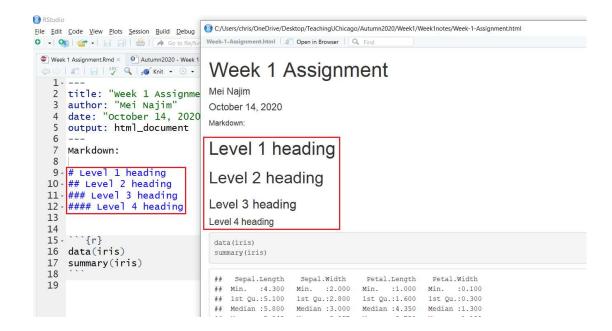
There are usually three parts to an .Rmd file:

- 1) Header: The text at the top of the document
- 2) Markdown sections: Text that describes your workflow written using markdown syntax.
- 3) Code chunks: Chunks of R code that can be run and also can be rendered using knitr to an output document.

☐ Introduction – R Markdown Syntax

R Markdown: headers

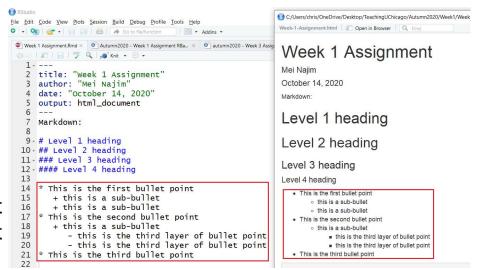
Level 1 heading ## Level 2 heading ### Level 3 heading #### Level 4 heading



| Introduction – R Markdown Syntax

R Markdown: bullet points

- * This is the first bullet point
 - + this is a sub-bullet
 - + this is a sub-bullet
- * This is the second bullet point
 - + this is a sub-bullet
 - this is the third layer of bullet point
 - this is the third layer of bullet point
- * This is the third bullet point



☐ Introduction – R Markdown Syntax

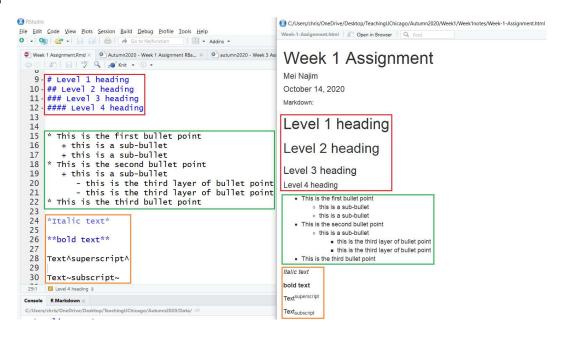
R Markdown: text types

Italic text

bold text

Text^superscript

Text~subscript~













Contact Information:

Your comments and questions are valued and encouraged.

Mei Najim

E-mail: mnajim@uchicago.edu

LinkedIn: https://www.linkedin.com/in/meinajim/

