

Bush 631: R Markdown template

Instructions

This document provides you with specific instructions on adjusting the R Markdown template for your own documents. I present step-by-step details on each section of the template file.

The YAML (document setting)

In this section, you **only** change:

- *Title* of your document.
- *Author* name.

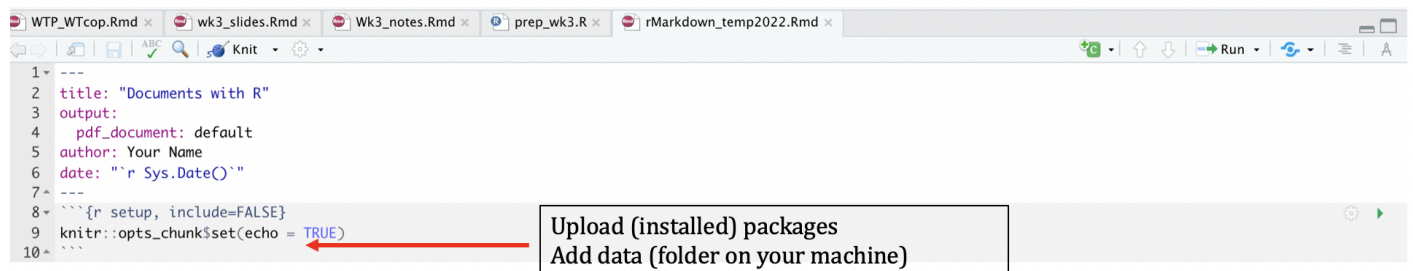


```
1 ---
2 title: "Documents with R"
3 output:
4   pdf_document: default
5 author: "Your Name"
6 date: "`r Sys.Date()"
7 ---
8 ```{r setup, include=FALSE}
9 knitr::opts_chunk$set(echo = TRUE)
10 ```
```

Figure 1: YAML section

Then, in the first code chunk section (gray area):

- Upload any required package (remember - package has to be installed first!).
- Add data (you need to specify the location of the data on your machine)
- **Do not** change the knitr::opts_chunk line.



```
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7 ---
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9 knitr::opts_chunk$set(echo = TRUE)
10 ```
```

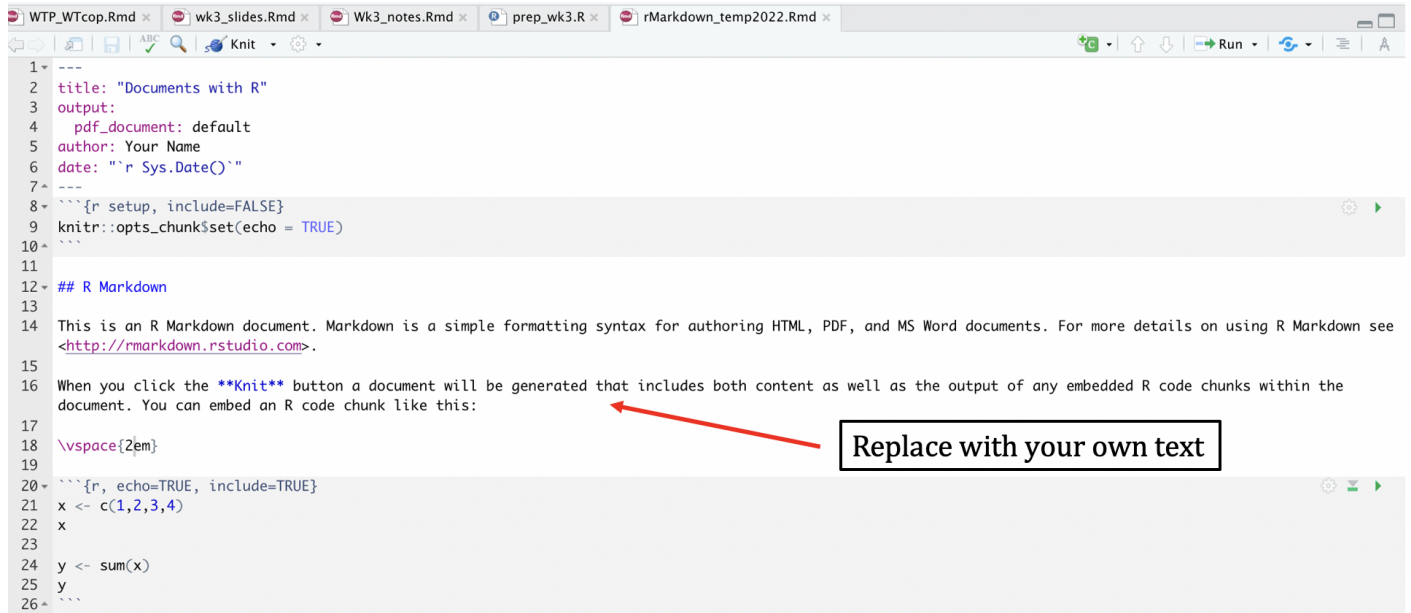
Upload (installed) packages
Add data (folder on your machine)

Figure 2: Packages and Data

Main text section

In the main white space we add the text of our document.

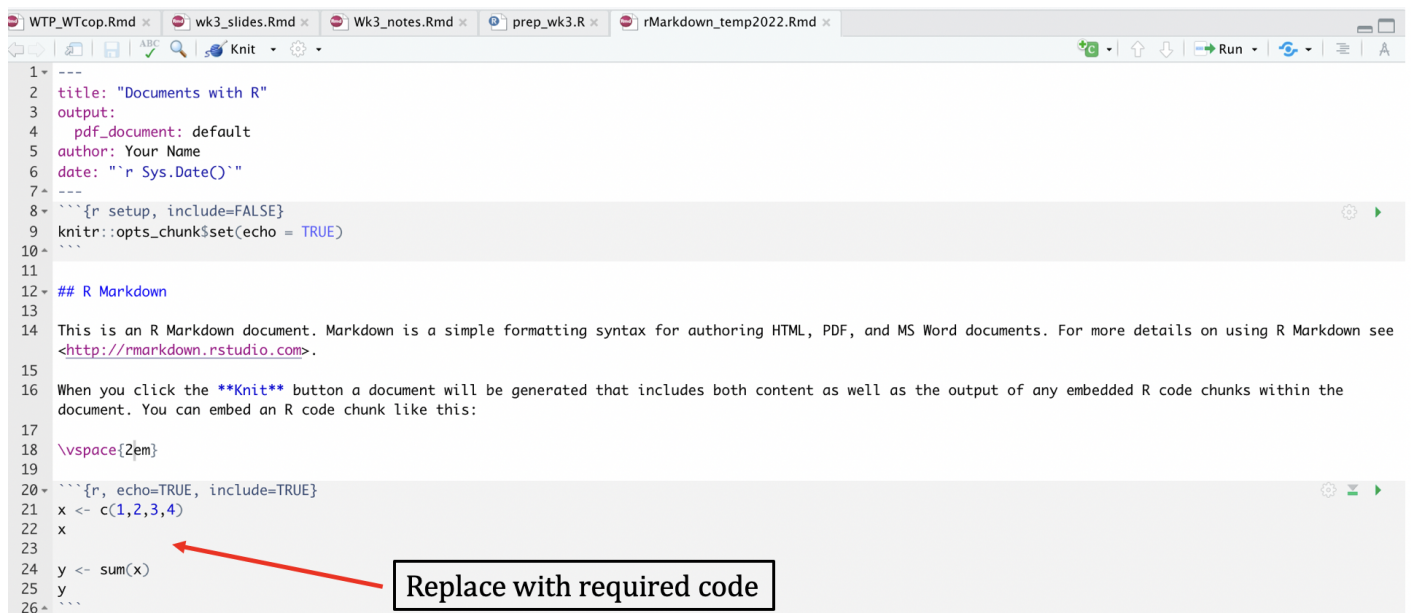
- Add any content.
- Follow the instructions file (Course Website Link) for any formatting rules/suggestions.



```
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9 knitr::opts_chunk$set(echo = TRUE)
10 ```
11
12 ## R Markdown
13
14 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
15 <http://rmarkdown.rstudio.com>.
16
17 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
18 document. You can embed an R code chunk like this:
19
20 \vspace{2em}
21
22 ```{r, echo=TRUE, include=TRUE}
23 x <- c(1,2,3,4)
24 x
25
26 y <- sum(x)
27 y
28 ```
```

Data analysis

* Run your analysis in the code chunk below the text area (same as R script file).



```
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24 x
25
26 y <- sum(x)
27 y
28 ```
```

Figure 3: Code for data analysis

- You can add multiple R code chunks and text sections to your document.
- Use the `\vspace{1em}` command to ‘space-out’ your content in the document.
- Click “Knit” to create the PDF output.