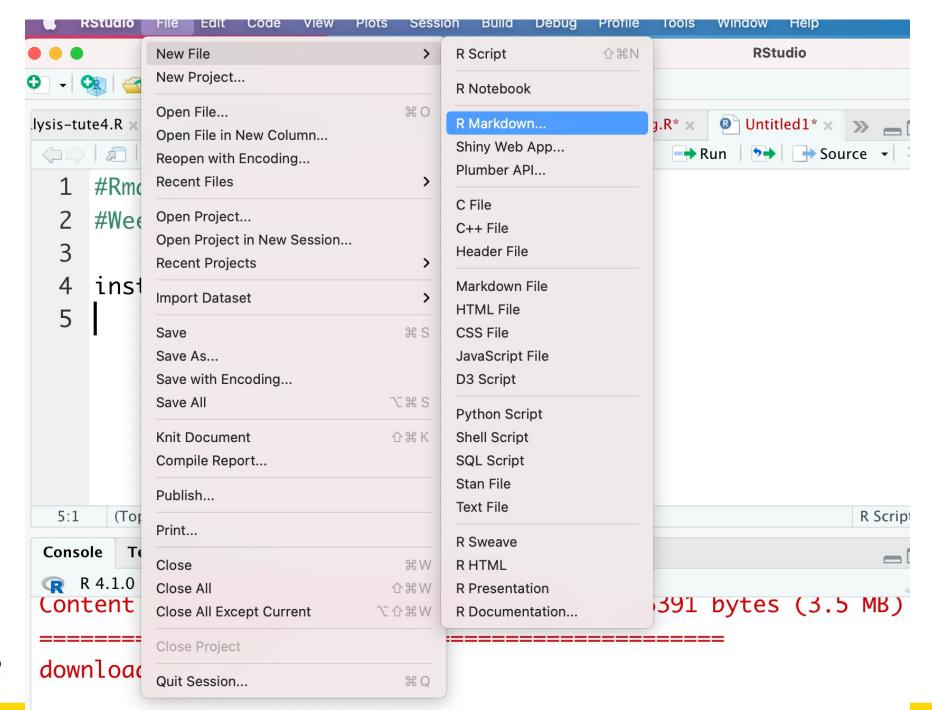


Rmarkdown

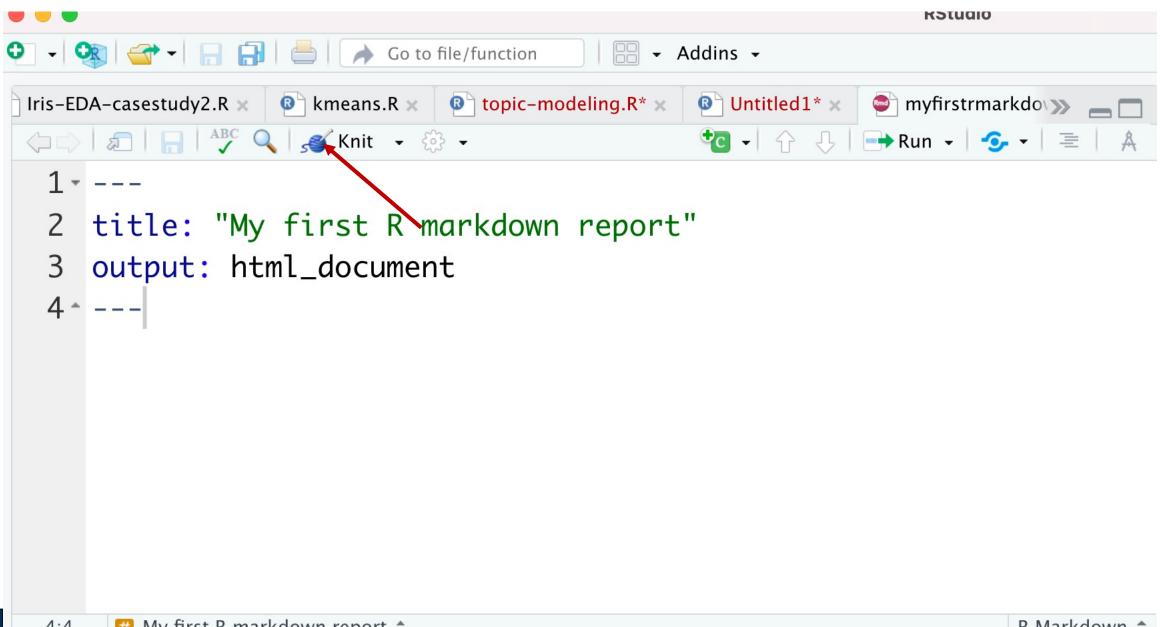
install.packages("rmarkdown")







New R Markdown myfirstRMDfile Title: Document Mehwish Author: Presentation R Shiny **Default Output Format:** • HTML From Template Recommended format for authoring (you can switch to PDF or Word output anytime). PDF PDF output requires TeX (MiKTeX on Windows, MacTeX 2013+ on OS X, TeX Live 2013+ on Linux). Word Previewing Word documents requires an installation of MS Word (or Libre/Open Office on Linux). **Create Empty Document** OK Cancel





My first R markdown report



- You can use regular markdown rules in your R
 Markdown document. Once you knit your document, the output will display text formatted according to the following simple rules
- Common formatting commands
 - *Italic*
 - **Bold**
 - # Header1
 - ## Header 2
 - * Unordered list item
 - 1. Ordered list item
 - [Link](<u>https://www.google.com</u>)
 - $A = \pi r^{2}$



You can quickly insert chunks like these into your file with

- the keyboard shortcut Ctrl + Alt + I (OS X: Cmd + Option + I)
- the Add Chunk command in the editor toolbar

or by typing the chunk delimiters ```{r} and ```.

When you render your .Rmd file, R Markdown will run each code chunk and embed the results beneath the code chunk in your final report.



```
```{r}
norm = rnorm(100, mean = 0, sd = 1)
```



- ````{r}
- A <- c("a", "a", "b", "b")
- B <- c(5, 10, 15, 20)
- dataframe <- data.frame(A, B)</li>
- print(dataframe)
- ````{r}
- print(dataframe)
- \* \* \* \*



## **Examples**

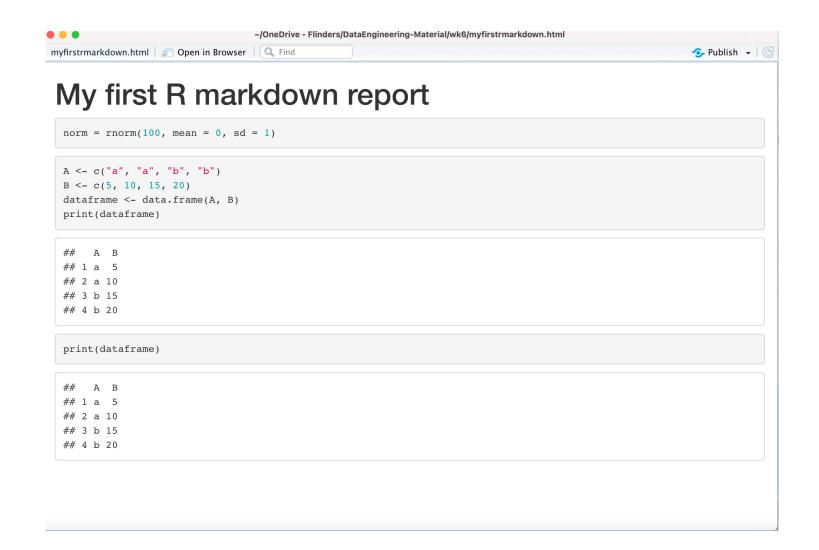
```
```{r} dataframe <- read.csv("~/Desktop/Code/dataframe.csv")
...</pre>
```

For loading libraries

```
{r} library(dplyr)
```



. . .





Hiding code chunks

```
```{r, echo = FALSE}
A <- c("a", "a", "b", "b")
B <- c(5, 10, 15, 20)
dataframe <- data.frame(A, B)
print(dataframe)
```



```
```{r, warning = FALSE}
library(dplyr)
...
```



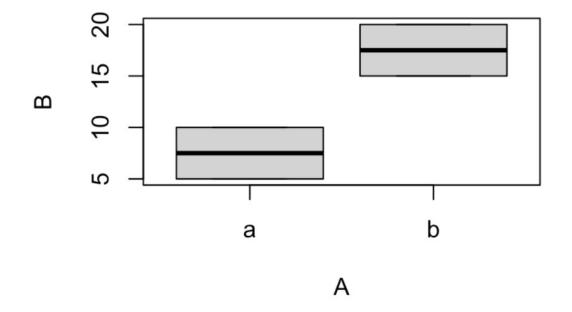
Rule	Example (default)	Function	
eval	eval=TRUE	Is the code run and the results included in the output?	
include	include=TRUE	Are the code and the results included in the output?	
echo	echo=TRUE	Is the code displayed alongside the results?	
warning	warning=TRUE	Are warning messages displayed?	
error	error=FALSE	Are error messages displayed?	
message	message=TRUE	Are messages displayed?	
tidy	tidy=FALSE	Is the code reformatted to make it look "tidy"?	
results	results="markup"	How are results treated? "hide" = no results "asis" = results without formatting "hold" = results only compiled at end of chunk (use if many commands act on one object)	
cache	cache=FALSE	Are the results cached for future renders?	
comment	comment="##"	What character are comments prefaced with?	
fig.width, fig.height	fig.width=7	What width/height (in inches) are the plots?	
fig.align	fig.align="left"	"left" "right" "center"	



```
```{r, fig.width = 4, fig.height = 3}
A <- c("a", "a", "b", "b")
B <- c(5, 10, 15, 20)
dataframe <- data.frame(A, B)
print(dataframe)
boxplot(B~A,data=dataframe)
...</pre>
```



boxplot(B~A,data=dataframe)





 R Markdown can print the contents of a data frame but the look is messy. Use Kable() function from the knitr package

<pre>library(knitr) kable(dataframe, digits = 2)</pre>	
A	В
a	5
a	10
b	15
b	20



# For customizing your table

```
plant <- c("a", "b", "c")
temperature <- c(20, 20, 20)
growth <- c(0.65, 0.95, 0.15)
dataframe <- data.frame(plant, temperature, growth)
emphasize.italics.cols(3) # Make the 3rd column italics
pander(dataframe) # Create the table</pre>
```

plant	temperature	growth
а	20	0.65
b	20	0.95
С	20	0.15



