slide-crafting

BY: AJAY KOLI

xaringan

- xaringan package to be a Presentation Ninja 🤺
- "for creating slideshows with remark.js through R Markdown"
- Xie Yihui

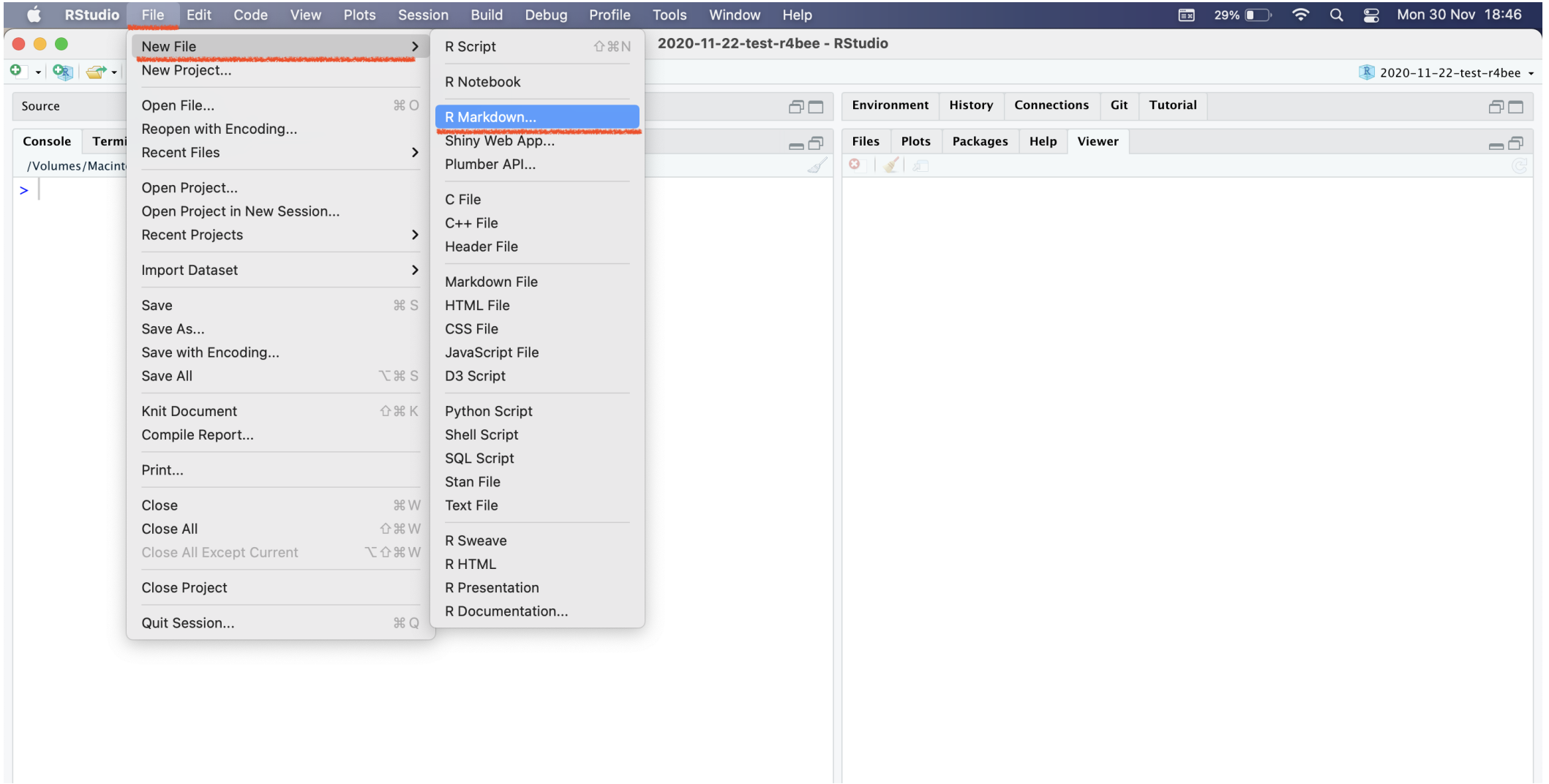
Source: xaringan github page

Packages required:

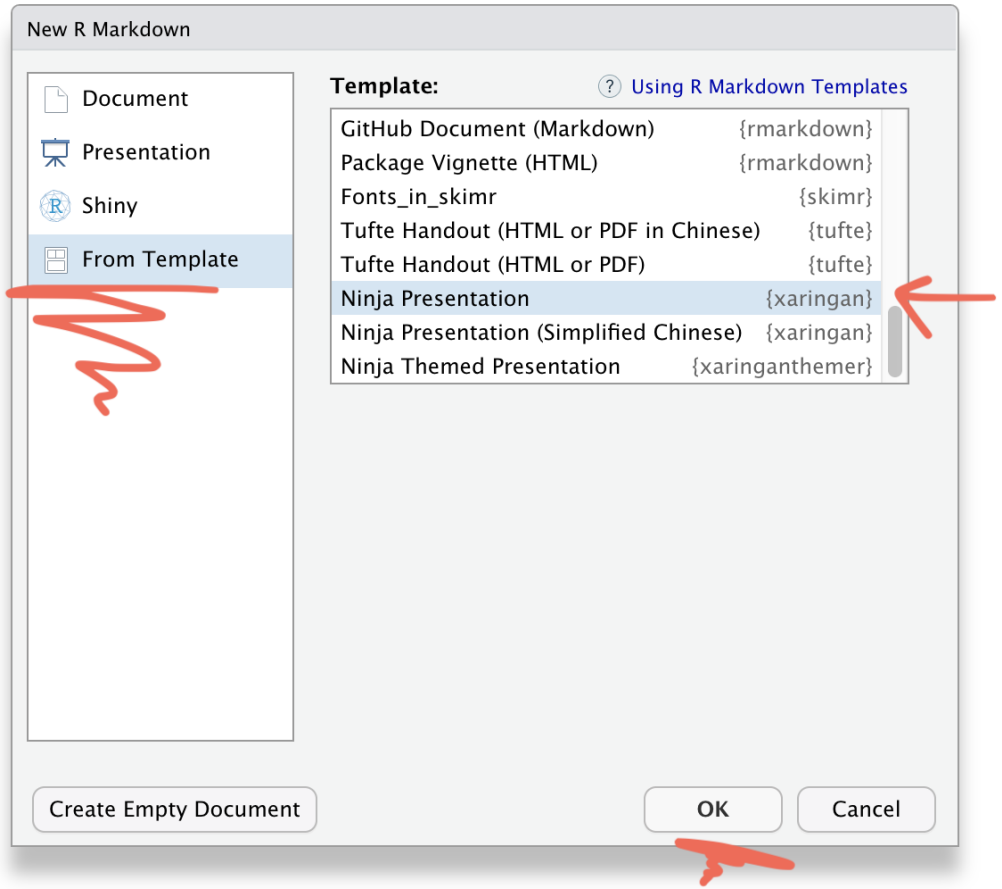
```
library(palmerpenguins) # to access penguin data

library(xaringan)
```

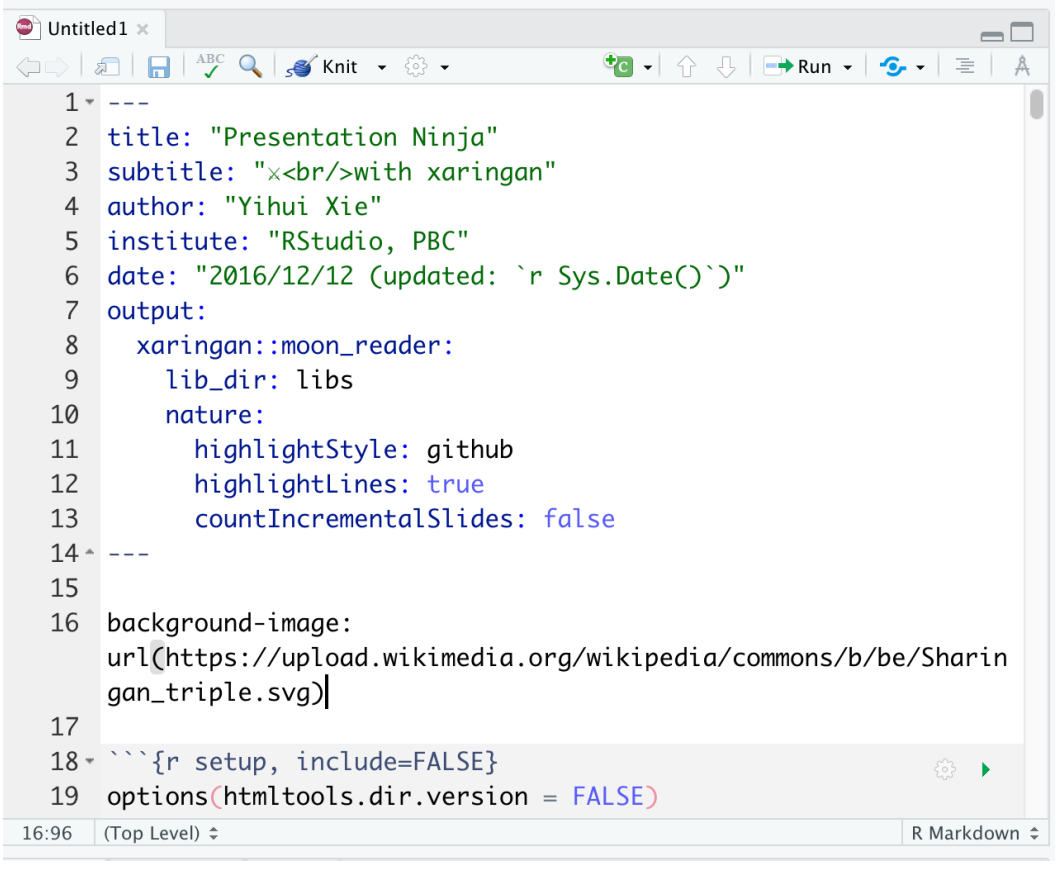
File → New File → R Markdown



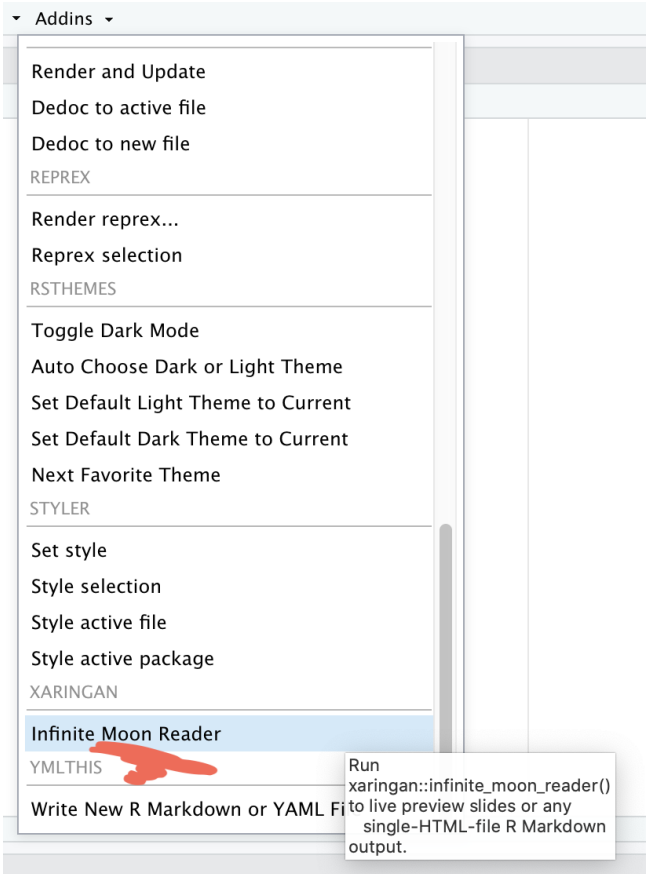
Template → Ninja Presentation



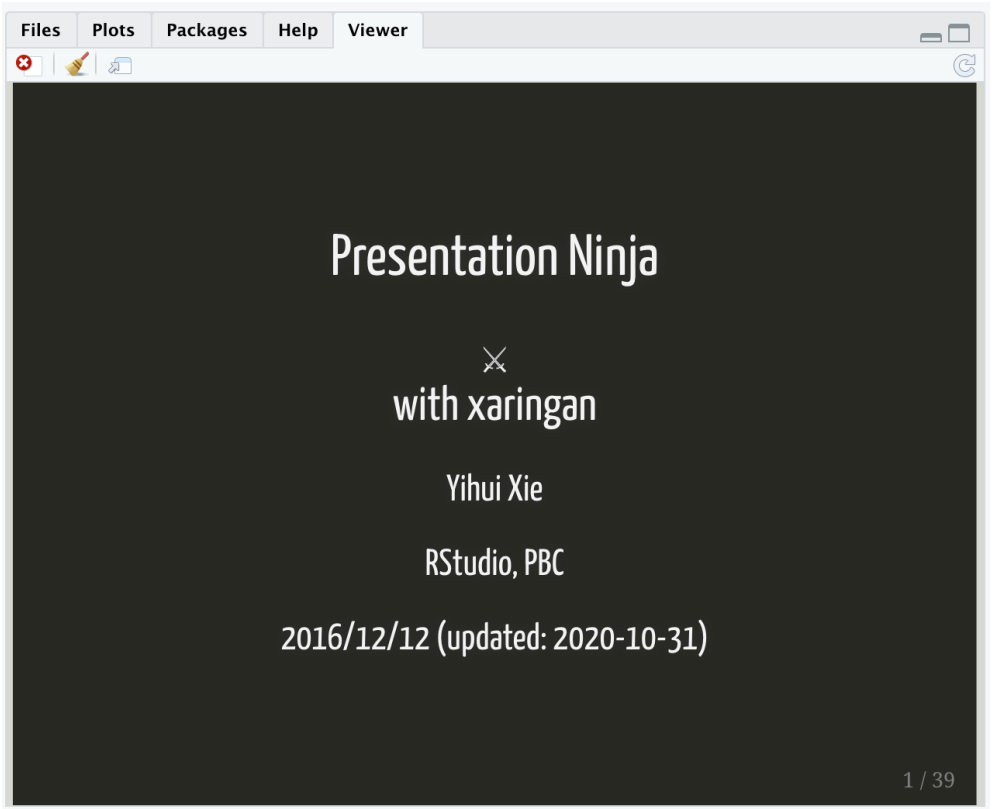
Save this Rmd file



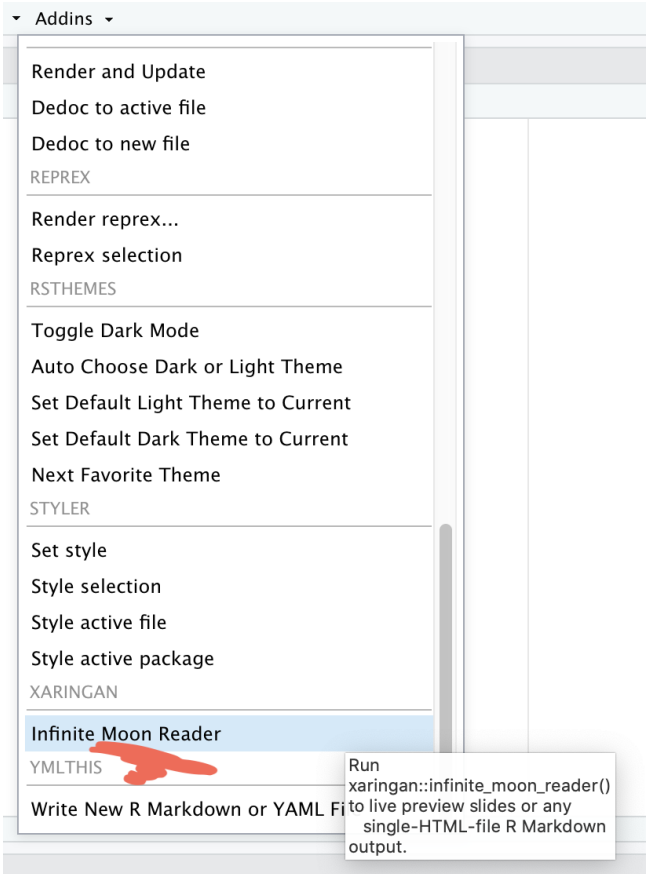
ADDINS → INIFINITE MOON READER



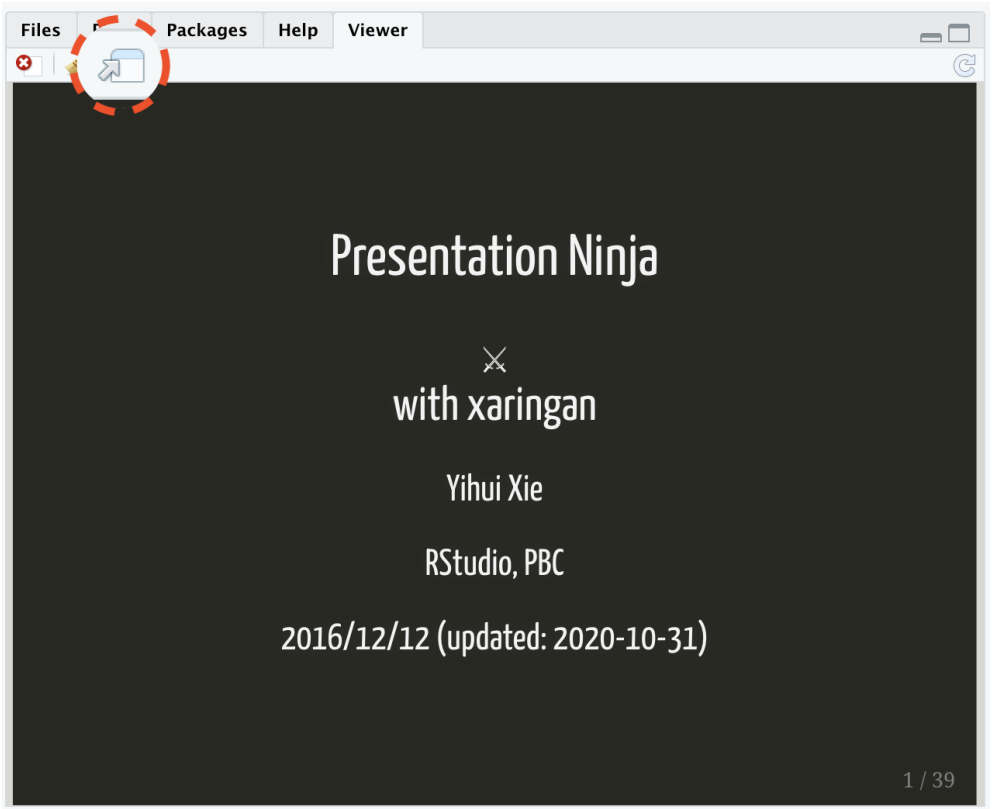
XARINGAN OUTPUT



ADDINS → INIFINITE MOON READER



XARINGAN SLIDE → BROWSER



- We need to click `Inifinite Moon Reader` only to start the slideshow. To see the changes made in the slides just save the document `ctrl + s`

Using xaringan how to:

1. create a new slide
2. hide an existing slide
3. heading, subheadings, points and normal text
4. include images
    - as background
    - as part of slide
5. make plots
6. include tables
7. in-text R output
8. create columns

1. Use - - - to create a new slide

2. `exclude:true` To hide an existing slide

3. Slide text sizes:

- # for main heading

- ## for sub-heading

- #### FOR SUB-SUB-HEADING

  - indented * for sub-point1
  - indented * for sub-point2
  - indented * for sub-point3

  - - for normal text size

To include images using:

CSS `BACKGROUND` OPTION:

- `background-image: url("path of the image")` = path of the image
- `background-size: contain, cover, 50%, 70%` = size of the image
- `background-position: left top` = position of the image

To include images using:

KNITR CHUNK OPTION:

```
knitr::include_graphics("path of the image")
```

To include plots

To include tables

```
library(kableExtra)
library(tidyverse)

penguins %>%
  drop_na() %>%
  head() %>%
  kable()
```

species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex	year
Adelie	Torgersen	39.1	18.7	181	3750	male	2007
Adelie	Torgersen	39.5	17.4	186	3800	female	2007
Adelie	Torgersen	40.3	18.0	195	3250	female	2007
Adelie	Torgersen	36.7	19.3	193	3450	female	2007
Adelie	Torgersen	39.3	20.6	190	3650	male	2007
Adelie	Torgersen	38.9	17.8	181	3625	female	2007

in-text R output

- penguins data have a sample of n = 344 on total 8 variables.
- math expressions

$a + b = \sigma - \sum x_2^2$

Column division of slide

- left column

- a
  - b
  - c

- right column

- apple
- boy
- cat

Slide `class`

- class can be assigned to each slide
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extend the power of xaringan:

- using R packages like xaringanExtra
- learn little about CSS
- use cheatsheets

Thank you so much 

Amy, Estibaliz, Mamta & Musa congratulations !!!