

Make Slides using xaringan

BY: AJAY KOLI

Lightning talk at R-Ladies Pune

29 March 2021

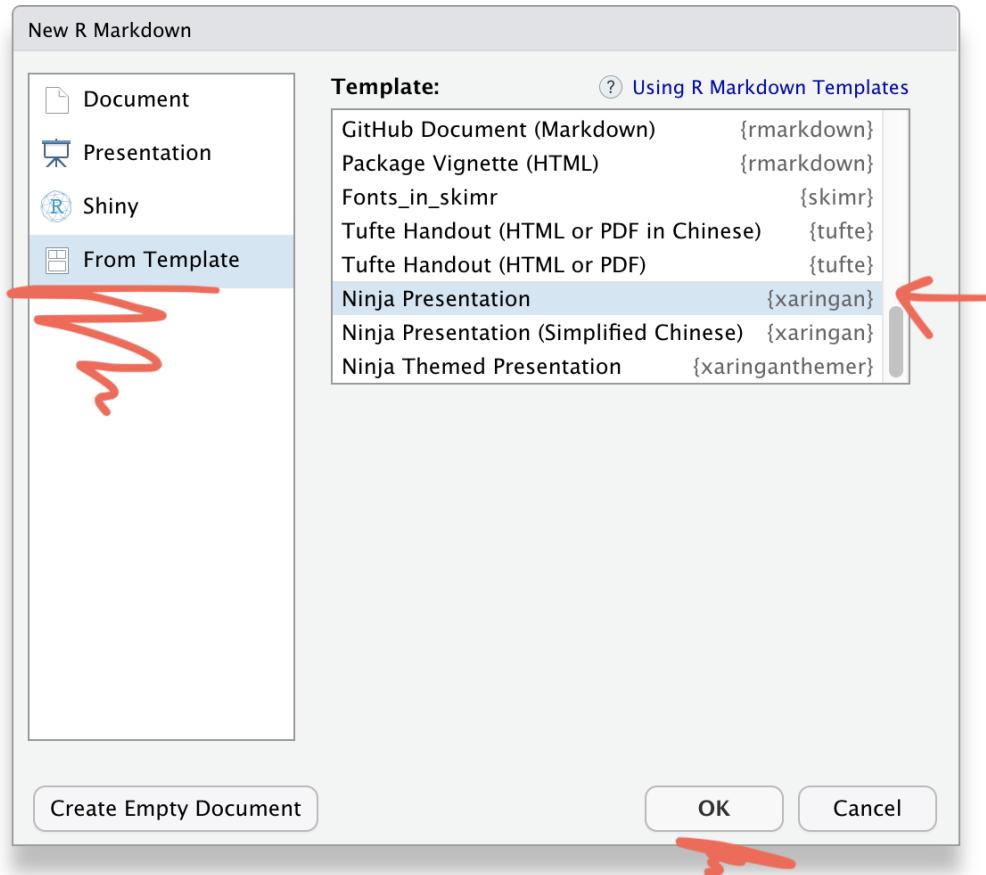
Xaringan (sha-ringan) package

- created by: [Xie Yihui](#)
- [why](#): "never truly happy with any of the Markdown-based slide generation tools"
- [what](#) "is an R Markdown extension based on the JavaScript library remark.js to generate HTML5 presentations of a different style"

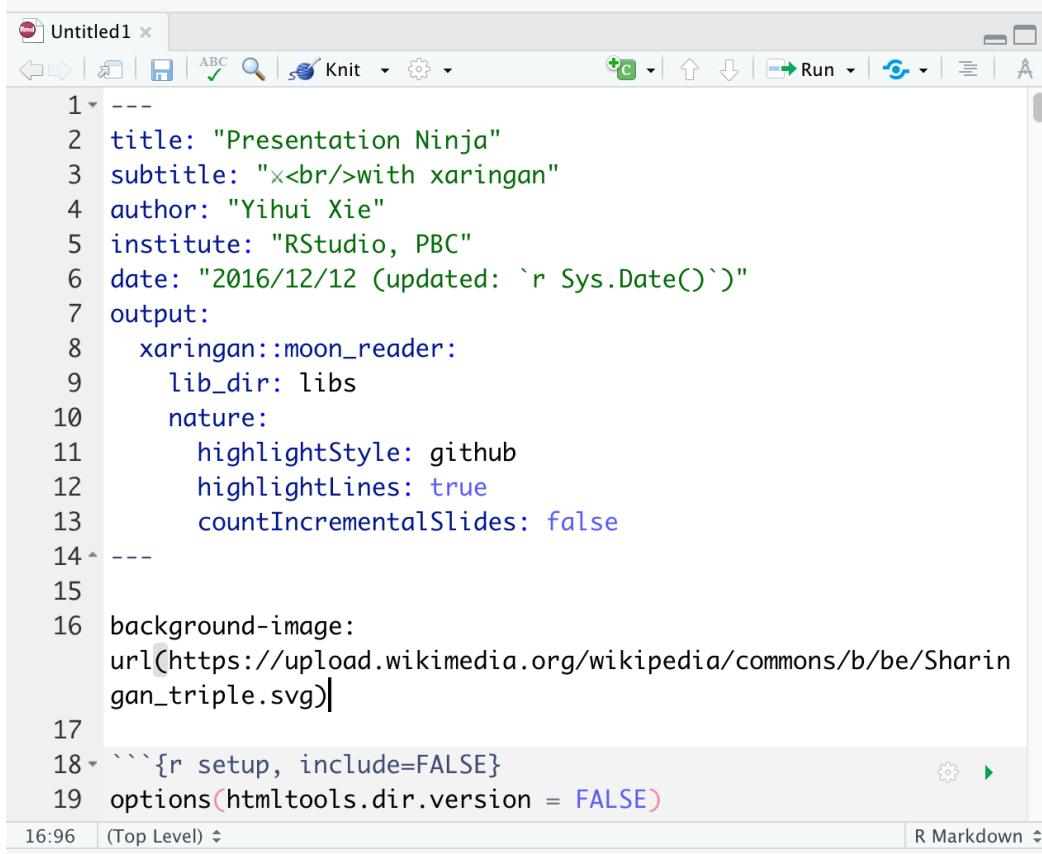


File → New File → R Markdown

Template → Ninja Presentation



Save this .Rmd file

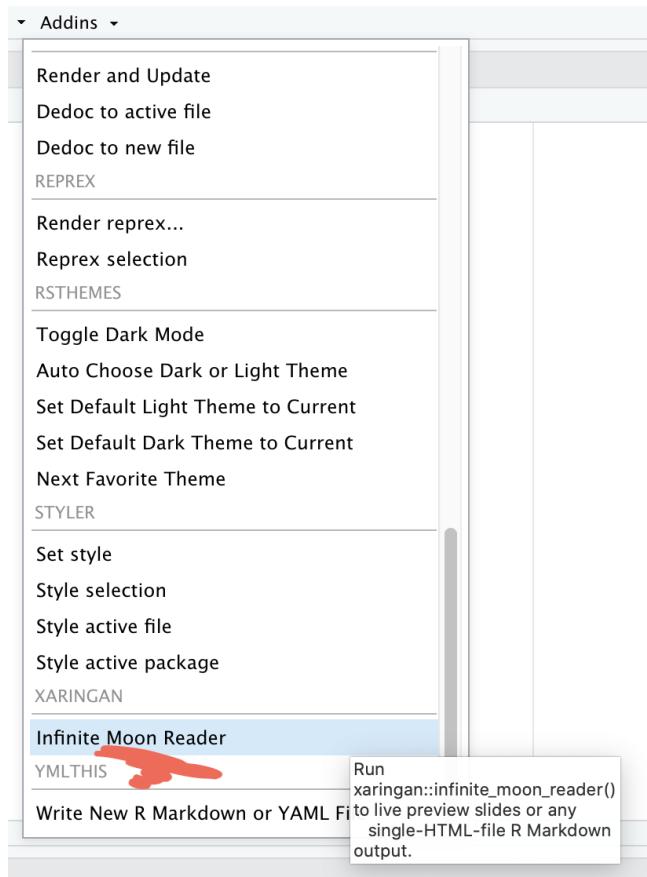


The screenshot shows the RStudio interface with a file named "Untitled1" open. The code editor contains an R Markdown document with the following content:

```
1 ---  
2 title: "Presentation Ninja"  
3 subtitle: "<br/>with xaringan"  
4 author: "Yihui Xie"  
5 institute: "RStudio, PBC"  
6 date: "2016/12/12 (updated: `r Sys.Date()`)"  
7 output:  
8   xaringan::moon_reader:  
9     lib_dir: libs  
10    nature:  
11      highlightStyle: github  
12      highlightLines: true  
13      countIncrementalSlides: false  
14 ^ ---  
15  
16 background-image:  
17   url("https://upload.wikimedia.org/wikipedia/commons/b/be/Sharin  
gan_triple.svg")  
18 ^ ``{r setup, include=FALSE}  
19 options(htmltools.dir.version = FALSE)
```

The status bar at the bottom indicates the file is at line 16:96 and is in "Top Level". The mode bar shows "R Markdown".

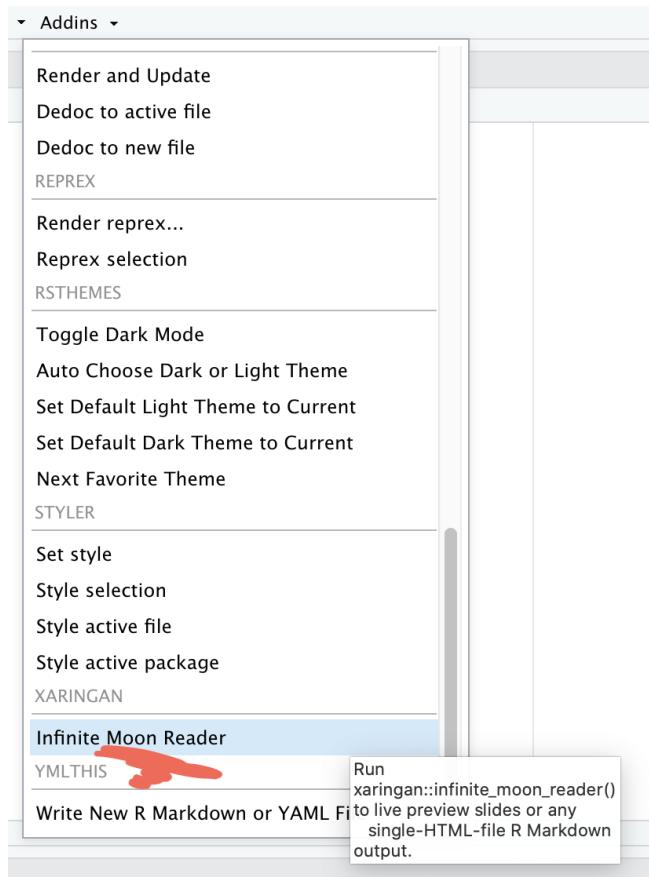
Addins → Inifinite Moon Reader



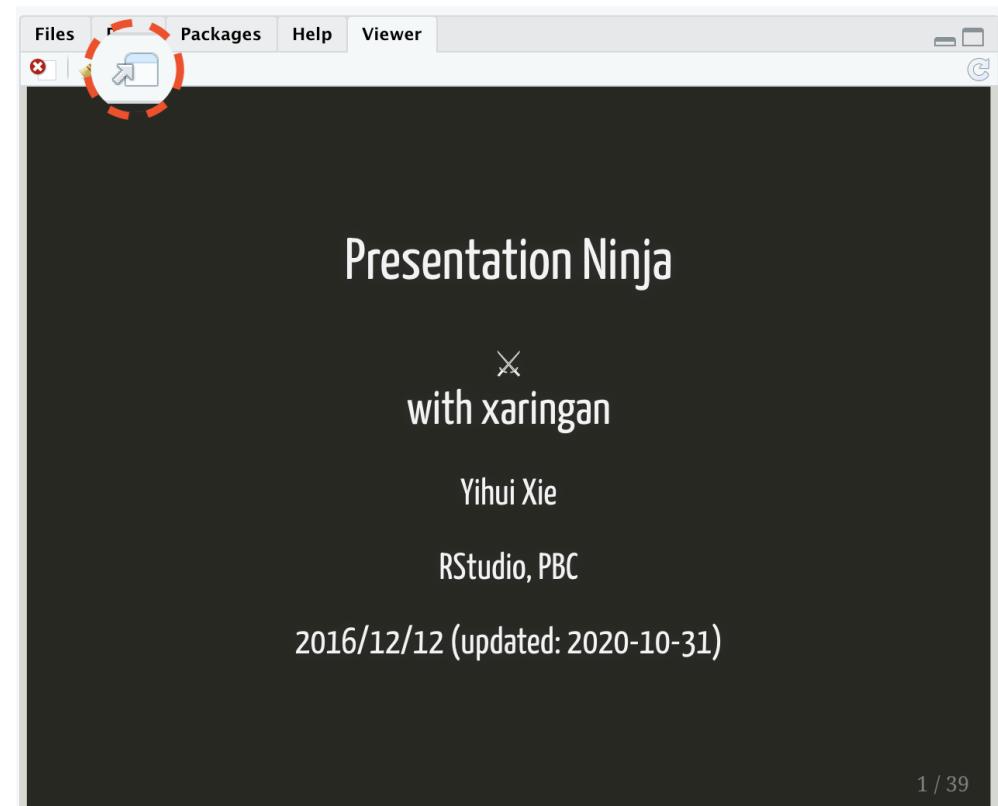
xaringan output

A screenshot of the RStudio Viewer pane. The title bar shows 'Files', 'Plots', 'Packages', 'Help', and 'Viewer'. The main content area displays a presentation slide with the title 'Presentation Ninja', subtitle 'with xaringan', author 'Yihui Xie', and information 'RStudio, PBC' and '2016/12/12 (updated: 2020-10-31)'. The bottom right corner of the slide shows '1 / 39'.

Addins → Inifinite Moon Reader



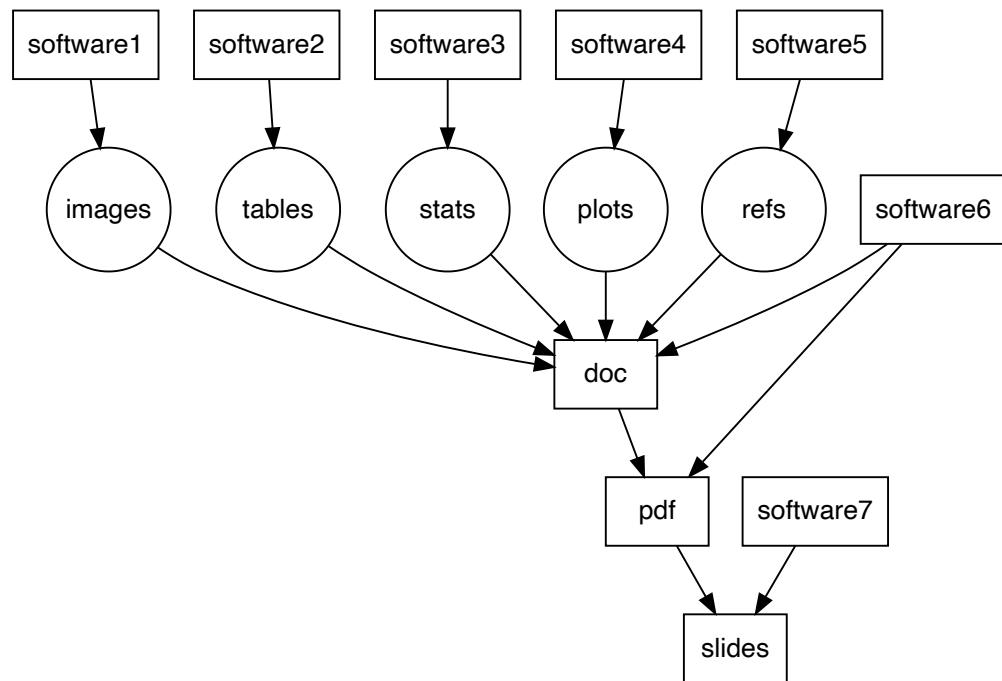
xaringan slide → browser



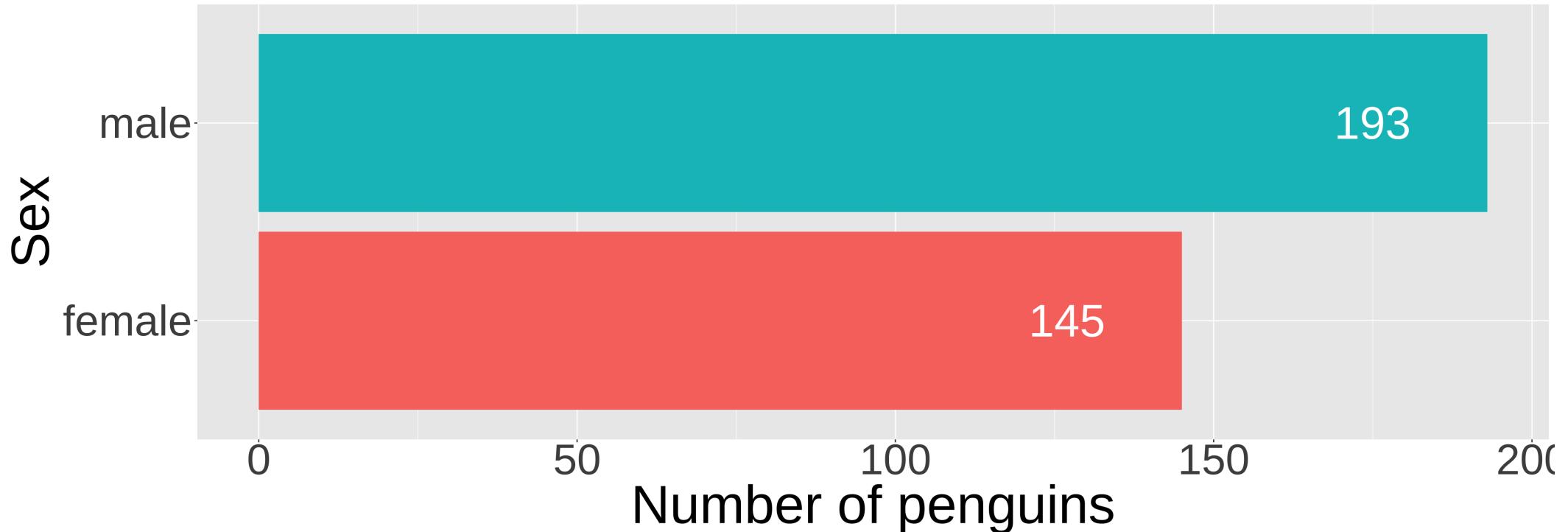
- We need to click **Inifinite Moon Reader** only once to start the slideshow. To see the changes made in the slides just save the document **ctrl + s**

Copy-paste culture ...

crumbles easily



Plots



Table

bill depth mm			
Predictors	Estimates	CI	p
(Intercept)	36.11	32.71 – 39.52	<0.001
flipper_length_mm	-0.12	-0.15 – -0.10	<0.001
body_mass_g	0.00	-0.00 – 0.00	0.144
bill_length_mm	0.09	0.05 – 0.13	<0.001
Observations	342		
R ² / R ² adjusted	0.383 / 0.378		

Text In-line output

- The total sample size was $n = 344$

Background



xaringan + xaringanthemer:



Presentation Ninja

⚔️ xaringan +
😎 xaringanthemer

Yihui Xie

Garrick Aden-Buie

2020-04-18

Hello World

Install the **xaringan** package from Github:

```
devtools::install_github("yihui/xaringan")
```

You are recommended to use the RStudio IDE, but you do not have to.

- Create a new R Markdown document from the menu File → New File → R Markdown → From Template → Ninja Presentation;¹
- Click the Knit button to compile it;
- or use the RStudio Addin² "Infinite Moon Reader" to live preview the slides (every time you update and save the Rmd document, the slides will be automatically reloaded in RStudio Viewer).

xaringan + xaringanExtra

xaringan panelset

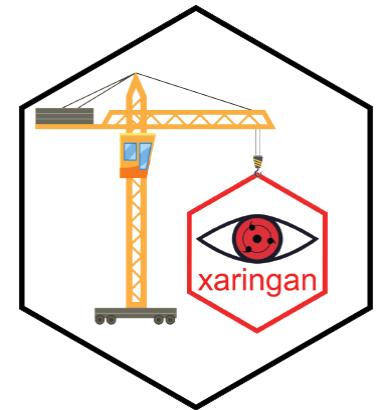


Garrick Aden-Buie

xaringanExtra

xaringan + xaringanBuilder

- html
- pdf
- gif
- pptx
- mp4
- png
- social (png of first slide sized for sharing on social media)



Be in touch!



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Pune - India
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🐦 @ajay_kolii

Thank you



R-Ladies Pune