

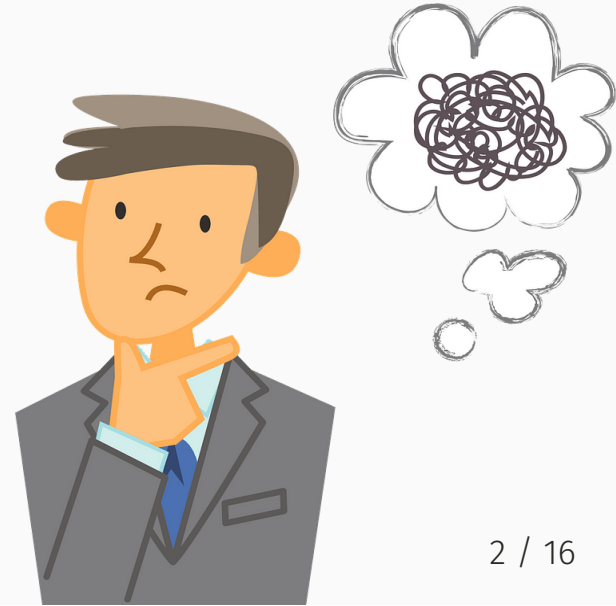
Making Presentation Slides with **xaringan** (a R Package) ✕

by Linli



What Makes a Good Presentation

- Topic and content
- Presentation skills
- Clean slides
 - Consistent formats
 - Clear notations



Making Clean Slides



Xaringan:

Focusing on the **content** when preparing your presentation



Why Xaringan?



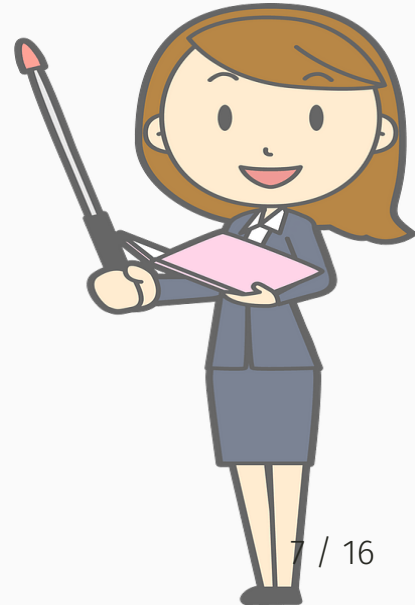
Controlling Slide is Easy Now!

- Adjust formats systematically
- Change positions of objects easily
- Make incremental animations with "--"
- Insert URLs and images with latex



Can be beautiful

- Interactive plots
- Insert images
- Themes



It's for Technical Reports!

- Embedded latex notations
- Edit codes for data analysis and adjust output while making presentation (in one place)
- Show codes for technical audiences



Other useful gadgets

- countdown
- autoplay
- themes templates
- customization in css for formats and specific requiriment for images etc.



Limitations

- html outputs
- convert to pdf outputs

```
#library(renderthis)#see more at https://jhelvy.github.io/renderthis/articles/renderthis.html  
#to_pdf("xaringan_why.Rmd", partial_slides = FALSE, complex_slides = TRUE) #render html
```



Examples

Math Expressions

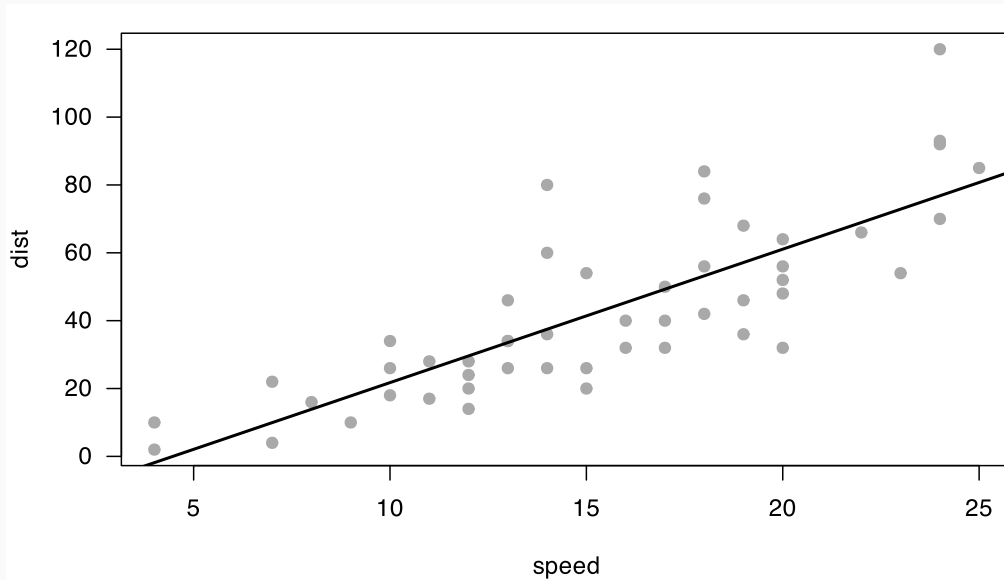
You can write LaTeX math expressions inside a pair of dollar signs, e.g. $\alpha + \beta$. You can use the display style with double dollar signs:

$$\bar{X} = \frac{1}{n} \sum_{i=1}^n X_i$$

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R Code

```
fit = lm(dist ~ 1 + speed, data = cars)
par(mar = c(4, 4, 1, .1))
plot(cars, pch = 19, col = 'darkgray', las = 1)
abline(fit, lwd = 2)
```



- can control show or hide the codes via **echo=FALSE** in the r code chunk
- can highlight codes and output
- if you need a r code chunk intro: [R Overview \(Part 1\) \[for beginners\]: Introduction to R and Tips on RStudio Setup](#)

Tables

Show

8

 entries

Search:

	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
1	5.1	3.5	1.4	0.2	setosa
2	4.9	3	1.4	0.2	setosa
3	4.7	3.2	1.3	0.2	setosa
4	4.6	3.1	1.5	0.2	setosa
5	5	3.6	1.4	0.2	setosa
6	5.4	3.9	1.7	0.4	setosa
7	4.6	3.4	1.4	0.3	setosa
8	5	3.4	1.5	0.2	setosa

Showing 1 to 8 of 10 entries

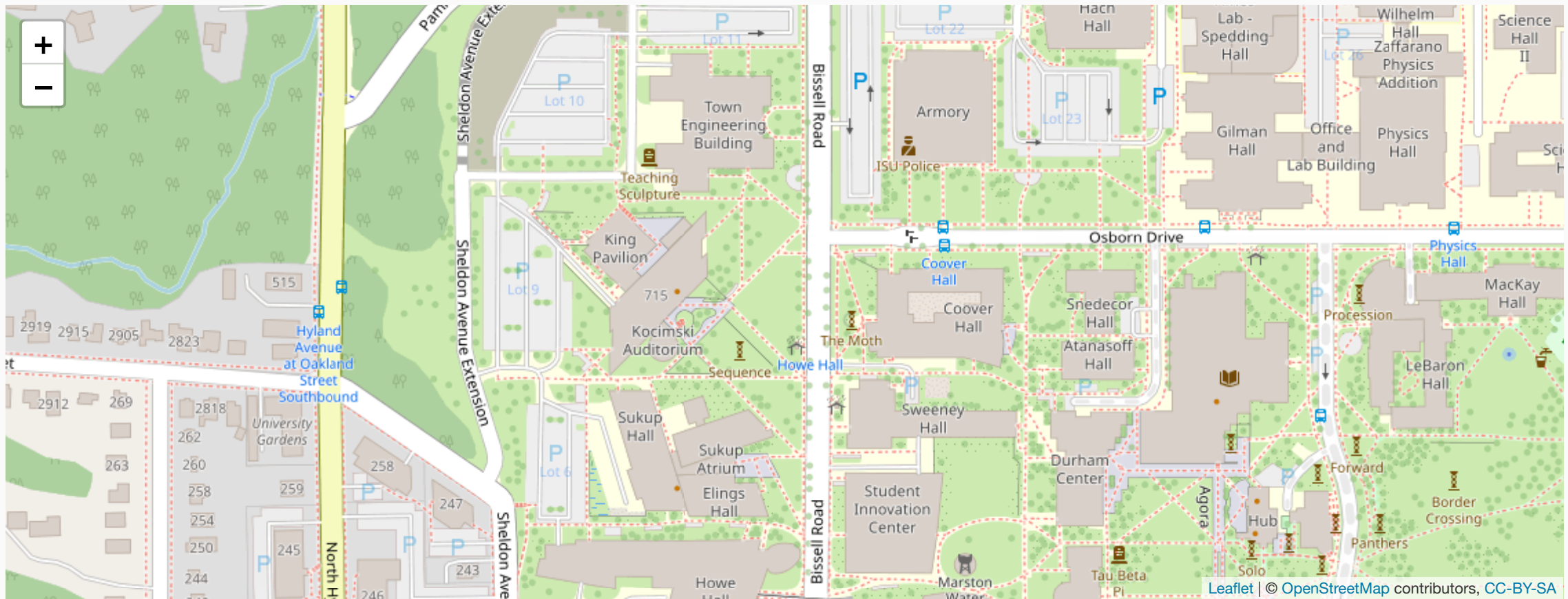
Previous

1

2Next

Interactive Plots

```
library(leaflet)
leaflet() %>% addTiles() %>% setView(-93.65, 42.0285, zoom = 17)
```



Subscribe

Coming soon

- How to Get Started
- Choosing Themes of Xaringan

