

R Markdown Workshop

Pretty Presentations with xaringan



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[@statsgen](https://twitter.com/statsgen)

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HTML Slides from Rmd

- There are a number of ways to make html slides in Rmd including `ioslides` and `slidy`.
- My favorite one is `xaringan` 📦!
- It's highly customisable.
- These slides are made by `xaringan`!
- `xaringan` uses `remark.js` to render the final html instead of `pandoc` (which means some `pandoc` features don't work)

Presentation Ninja




with `xaringan`

Yihui Xie

2016/12/12 (updated: 2019-02-07)

1 / 38

<https://slides.yihui.name/xaringan>

 Open and inspect the file
`first-xaringan.Rmd`

xaringan slides

```
---  
title: "My first xaringan slide"  
subtitle: "Not!"  
author: "Emi Tanaka"  
date: "4th October 2019"  
output:  
  xaringan::moon_reader
```

```
---
```

```
# Slide after title slide
```

```
---
```

```
# Next slide
```

```
We can use **markdown**!
```

```
---
```

My first xaringan slide

Not!

Emi Tanaka

4th October 2019

1 / 5

To fully customise xaringan slides,
you need to know some HTML/CSS

We'll have a short intro 

HTML/CSS

html

```
<div class="bg-red">  
This creates a box  
with red background.  
</div>
```

css

```
.bg-red {  
  background-color: red;  
}
```

output

This creates a box with red background.

HTML/CSS II

But the box and text look too squished.

I increase the padding here.

html

```
<div class="bg-red">  
This creates a box  
with red background.  
</div>
```

css

```
.bg-red {  
  background-color: red;  
  padding: 20px;  
}
```

output

This creates a box with red
background.

HTML/CSS III

But a white text suits better.

html

```
<div class="bg-red">  
This creates a box  
with red background.  
</div>
```

css

```
.bg-red {  
  background-color: red;  
  padding: 20px;  
  color: white;  
}
```

output

This creates a box with red
background.

HTML/CSS IV

In contrast to `div`, `span` is "inline".

html

```
<span class="bg-red">
```

This creates a box
with red background.

```
</span>
```

css

```
.bg-red {  
  background-color: red;  
  padding: 20px;  
  color: white;  
}
```

output

This creates a box with red
background.

remark.js: div and span classes

remark.js makes it easier to write `div` and `span` elements.

Text in new line

```
.bg-red[  
Some text  
]
```

is converted to

```
<div class="bg-red">  
Some text  
</div>
```

Placing [] in the same line

```
.bg-red[Some text]
```

results in

```
<span class="bg-red">  
Some text  
</span>
```

Specifying CSS

You can specify the css file in the YAML:

```
output:
```

```
  xaringan::moon_reader:
```

```
    css:
```

- "default" # in-built theme
- "default_fonts" # in built theme
- "custom.css" # your own

then define all custom classes in `custom.css`, e.g.

```
.bg-red {  
  background-color: red;  
}
```

Apply class to the whole slide

```
# Slide 1
```

```
---
```

```
class: bg-red
```

```
# Slide 2
```

```
This slide will have a red background
```

```
---
```

```
# Slide 3
```

Alternatively, you can use `xaringanthemr` to customise the look of a `xaringan`.



Open and knit
`demo-xaringan.Rmd`

Customise the slide to your liking ✨

By the way, can you figure out what
`xaringan::inf_mr()` does?

Resources

- Thanks for coming!
- There are more to Tidyverse + R Markdown than can be taught in a one day workshop and some helpful resources are on the right to ask questions.



All source files to this workshop can be found at <https://github.com/emitanaka/biometrics2019>

Learn with the *community*

- Your local R-Ladies Meetup: Melbourne, Sydney, Canberra, Perth, Adelaide, Brisbane
- R4DS Community Slack
- Twitter with hastag #rstats
- RStudio Community
- Stackoverflow (I answer questions tagged with `xaringan` often)

Session Information

```
devtools::session_info()
```

```
– Session info _____  
  setting      value  
  version      R version 3.6.0 (2019-04-26)  
  os           macOS Mojave 10.14.6  
  system       x86_64, darwin15.6.0  
  ui           X11  
  language     (EN)  
  collate      en_AU.UTF-8
```

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