

R Markdown Workshop

Pretty Presentations with **xaringan**



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@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)

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<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

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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 `xaringanthemer` 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?

- 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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