

Communicating with Data via R Markdown

✨ Pretty Presentations ✨

Presented by Emi Tanaka

School of Mathematics and Statistics



dr.emi.tanaka@gmail.com



@statsgen

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💡 These slides are viewed best by Chrome and occasionally need to be refreshed if elements did not load properly. See here for PDF [PDF](#).

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`!
- Note that it uses `remark.js` to render the final html instead of `pandoc`!



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

xaringan easy slide separator ---

```
---
```

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

```
# Slide after title slide
```

```
---
```

```
# Next slide
```

```
Can use **markdown** !
```

YAML information
used for title slide

My first xaringan slide

Not!

Emi Tanaka

4th October 2019

No spaces after
---!

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HTML/CSS

But you want to customise more?

You do need to be a ninja to do that.

Or know a bit about HTML/CSS.

HTML

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

OUTPUT

This creates a box
with red background.

CSS

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

HTML/CSS II

But the box and text look too squished.
I increase the padding here.

OUTPUT

This creates a box
with red background.

HTML

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

CSS

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

HTML/CSS III

But a white text suits better.

OUTPUT

This creates a box
with red background.

HTML

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

CSS

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

HTML/CSS IV

In contrast, span is "inline".

OUTPUT

This creates a box

with red background.

HTML

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

CSS

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

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>
```

remark.js: specify class to a whole slide

```
---
```

```
title: "Demo xaringan"
author: "Emi Tanaka"
date: "4th October 2019"
output:
  xaringan::moon_reader:
    seal: false
    css:
      - "ninjutsu" # in-built
theme (no .css at the end)
      - "default" # in-built
theme
      - "default-fonts" # in-
built theme
      - "demo.css"
      -
"https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.7.2/animate.min.css"
```

Demo xaringan

Emi Tanaka

(use `seal: false` to customise your own title slide)

(center and middle are special classes built-in `remark.js`)

(it horizontally and vertically centers elements)

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That's it!

These slides are made using
xaringan R-package.

The workshop materials are licensed
under .

Emi Tanaka

 dr.emi.tanaka@gmail.com
 @statsgen

Check that you can:

- Be able to make slides from Rmd
- Change the background color of a slide