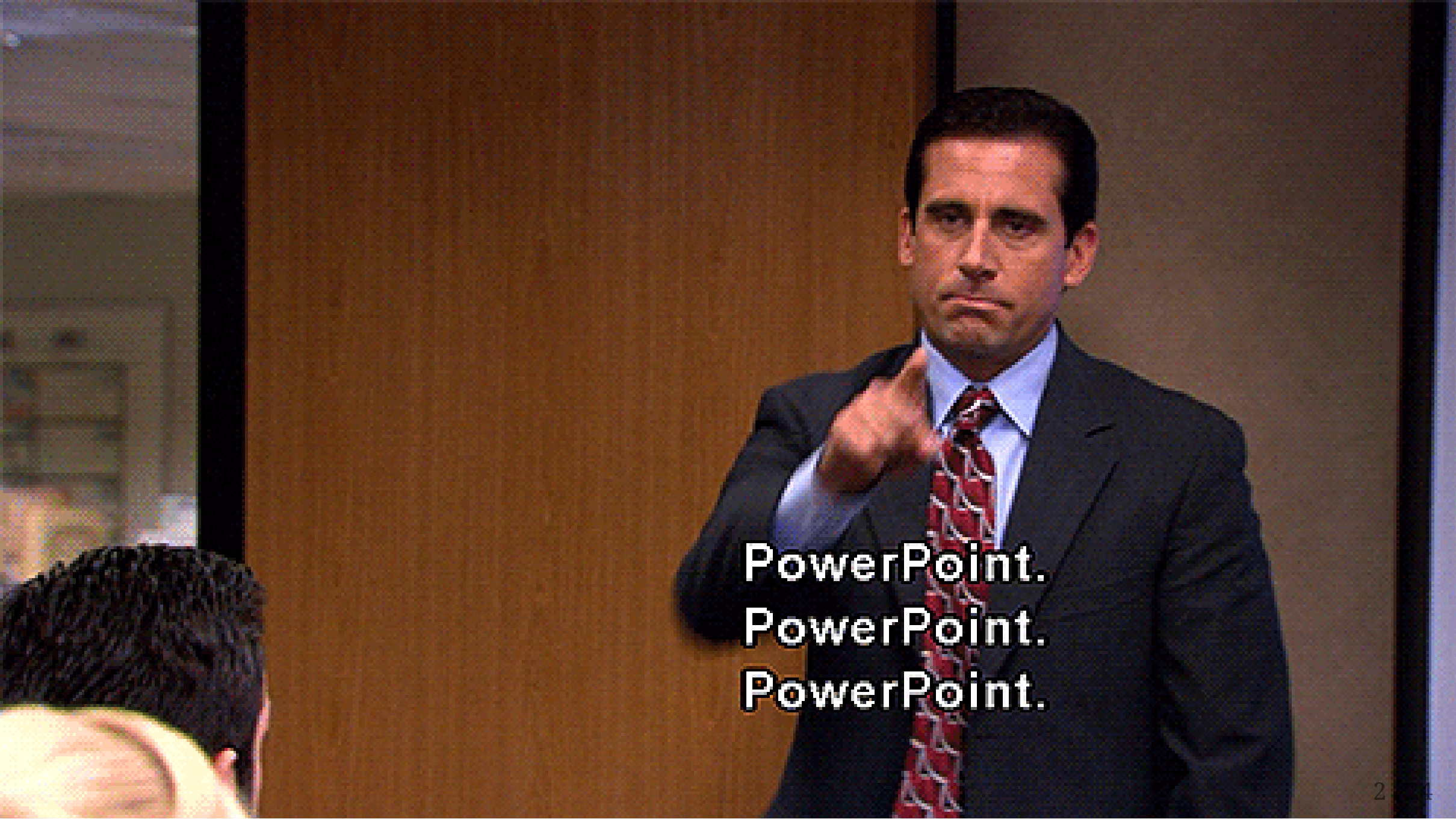


R Xaringan Package Slide Deck

ScPo template

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SciencesPo Paris
2019-08-18



**PowerPoint.
PowerPoint.
PowerPoint.**

A man in a dark suit, light blue shirt, and patterned tie is pointing his right index finger towards the left. He has a serious expression. The background is a blurred office interior with a brown wall and a window showing a blue sky.

**BEAMER, BEAMER, BEAMER
BEAMER.**

Attribution

- This template is based on a fork of [jvcasillas](#) template for Rutgers University.
- I changed some small things in the CSS.
 1. Used SciencesPo Logos
 2. Added a ScPo logo in the footer of standard slides.
- The template is now here: https://github.com/ScPoEcon/scpo_xaringan. Visit to check out instructions.



Maths without Beamer!

You must be kidding me.

You can write *L^AT_EX* math expressions inside a pair of dollar signs, e.g. `$\alpha+\beta$` renders $\alpha + \beta$. (No blanks after \$!). You can use the display style with double dollar signs:

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

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



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```

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

OK, fine. What about multiple lines?



Multiple Lines of Math

```
$$\begin{align}  
x &= 3 \\\br/>y &= \log z \\\br/>\psi &= \int \frac{x}{y} dx  
\end{align}$$
```

$$\begin{aligned}x &= 3 \\y &= \log z \\\psi &= \int \frac{x}{y} dx\end{aligned}$$

- Must be written *exactly* like that (no spaces or linebreaks)



(Working) Code in a Slideshow?

- Sometimes it is useful to show code.



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- Particularly when teaching.



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- You want that code to *actually work* (i.e. not just copy and paste input and output into your slides).



(Working) Code in a Slideshow?

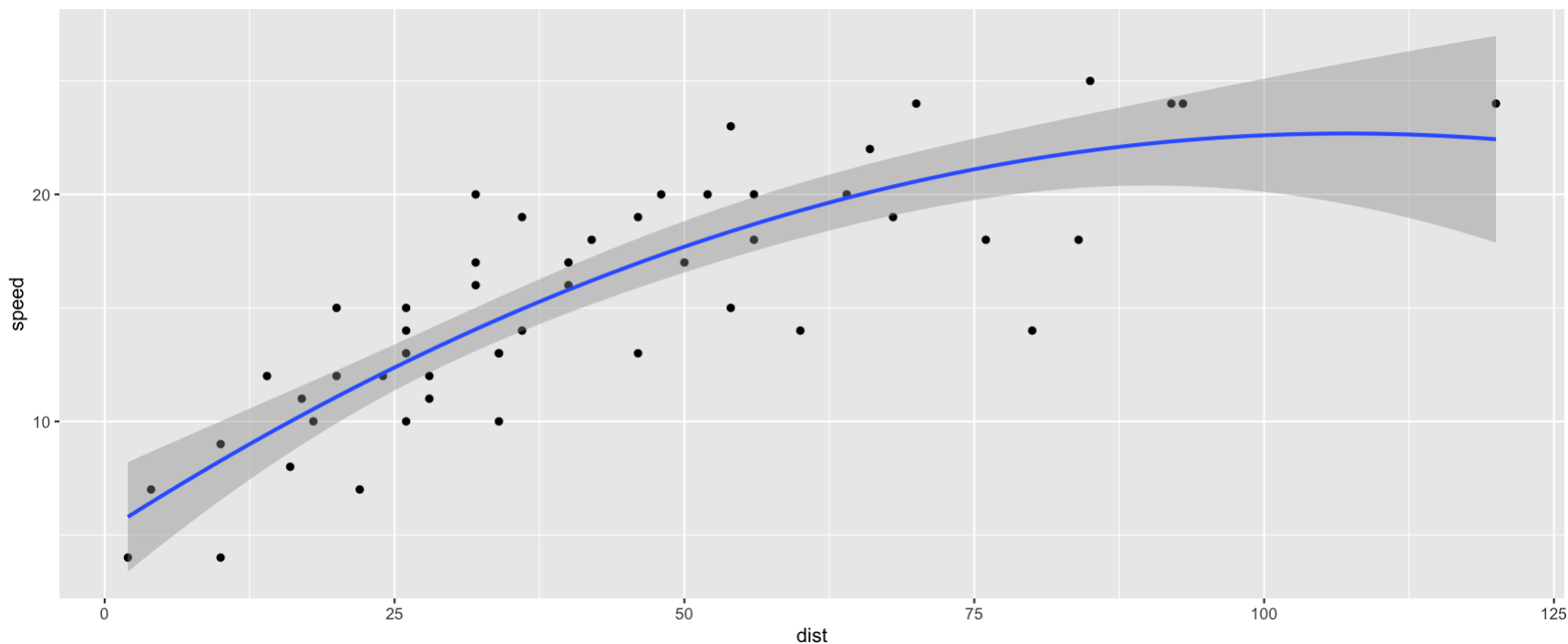
- Sometimes it is useful to show code.
- Particularly when teaching.
- You want that code to *actually work* (i.e. not just copy and paste input and output into your slides).
- Right?



Standard slide with R code

This slide runs code and shows the output.

```
library(tidyverse)
# can highlight lines of code!
ggplot(cars, aes(x = dist, y = speed)) + geom_point() +
  geom_smooth(method = 'lm', formula = y ~ poly(x, 2))
```



Slide with table

A table directly generated from R code.

```
knitr::kable(head(iris), format = "html")
```

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa



Slide basics

- Unordered lists
 - can be created using "-"
 - and they can be nested using 2 or 4 spaces
- We can also make blockquotes
 - we can use `<ru-blockquote>text</ru-blockquote>`
 - or >

This is a blocked quote

- Footnotes¹



[1] Information here.

More basics

Ordered list

1. one
2. two
3. three



More basics

Ordered list

1. one
 2. two
 3. three
- Spaced



More basics

Ordered list

1. one
 2. two
 3. three
- Spaced
 - List



More basics

Ordered list

1. one
 2. two
 3. three
- Spaced
 - List
 - with increments



More basics

Ordered list

1. one
 2. two
 3. three
- Spaced
 - List
 - with increments

An incremental



More basics

Ordered list

1. one
2. two
3. three

- Spaced
- List
- with increments

An incremental sentence with



More basics

Ordered list

1. one
2. two
3. three

- Spaced
- List
- with increments

An incremental sentence with separation.





You only live once!

Another example

Lists to the left

- We can place images
- anywhere on the screen
- by using **background-image**
- in conjunction with
- **background-position**

Image to the right

- This can replicate my 'float right' hack
- We can control the
- size of the image
- by using the
- **background-size** option

SciencesPo
DEPARTMENT OF ECONOMICS



Text adjustments

Text adjustments

It is also possible to change the **color** of any text by using...

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It is also possible to change the **color** of any text by using...

```
.color[text here]
```

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For example

```
.grey[grey]
```

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```

For example

```
.grey[grey]
```

will make text grey

Text adjustments

It is also possible to change the **color** of any text by using...

```
.color[text here]
```

For example

```
.grey[grey]
```

will make text grey

We can do this with white, grey, **black**, red and **blue**.

Text adjustments

It is also possible to change the **color** of any text by using...

```
.color[text here]
```

For example

```
.grey[grey]
```

will make text grey

We can do this with white, grey, **black**, red and **blue**.

To really make text stand out we can just use ****text**** like **this**.

Two columns!

Some things on the left

1. List of things
2. Plain Markdown;
3. blah blah
4. Plain Markdown;



Two columns!

Some things on the left

1. List of things
2. Plain Markdown;
3. blah blah
4. Plain Markdown;

and other things on the right

1. We do this by using the
2. `.pull-left[]` and `.pull-right[]`
3. commands. Just put any text inside the
4. brackets and you're good to go



R code and highlighting (I never use this)

An example using a leading *:

```
```r
if (TRUE) {
* message("Very important!")
}..
```

Output:

```
if (TRUE) {
 message("Very important!")
}
```

This is invalid R code, so it is a plain fenced code block that is not executed.

An example using {{}}:

```
```{r tidy=FALSE}
if (TRUE) {
{{ message("Very important!") }}
}..
```

Output:

```
if (TRUE) {
  message("Very important!")
}
```

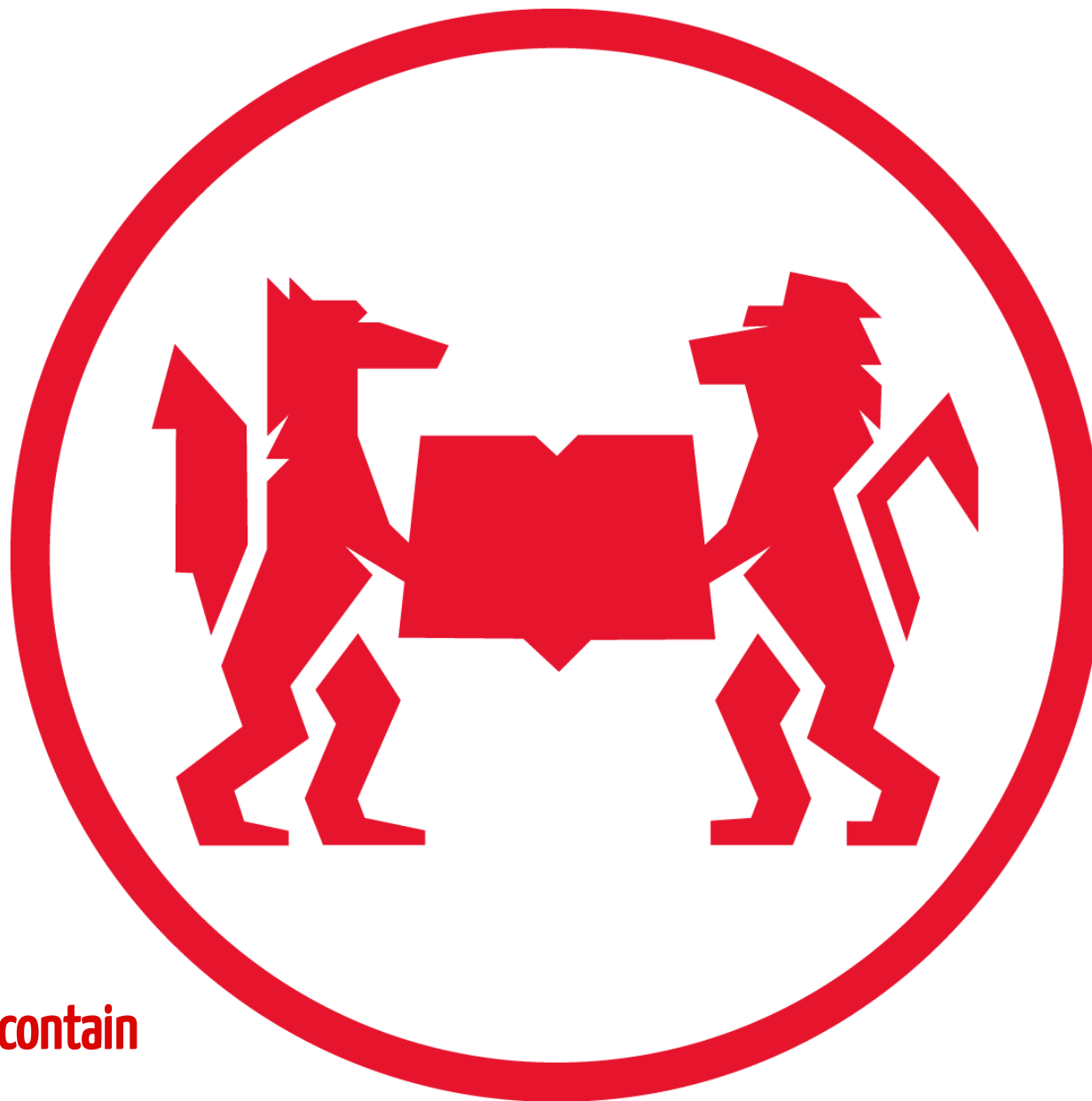
Very important!

It is valid R code so you can run it.



You can
fill the
screen with

background-size: contain



Macros

- We can insert javascript macros into our presentations
- For example, if we put the following code into `macros.js`...

```
remark.macros.scale = function (percentage) {  
  var url = this;  
  return '';  
};
```

- ...we can use the markdown call to resize images...

```
![:scale 25%](./img/logo/ScPo-econ.png)
```

- These calls can also be put inside html divs so as to control where they appear.

- All we need to do is include `beforeInit: "macros.js"` under `nature` in our YAML front matter



ScPo stuff

General

- The theme was designed to work with a 16:9 aspect ratio
- Set the aspect ratio under the **nature** output parameter...
nature:
ratio: "16:9"

Sections

- We can create section dividers with ScPo red and grey by using the class call:

```
class: title-slide-section-red
```

or

```
class: title-slide-section-grey
```



ScPo red section divider

This is the H3 font color

- Our text goes here
- We can use **bold**
- and **blue**
- and also grey



ScPo grey section divider

This is the H3 font color

- Our text goes here
- We can use **bold**
- and **blue**
- and also **black**



Tables

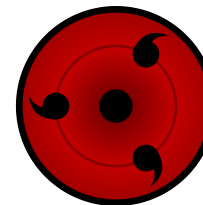
Centering

- Tables are centered by default in **xaringan**.
- We can override this using...
.pull-left[], .pull-right[], etc.

This	is	a	Table
It is	now	pulled	to the right
12	34	56	78



xaringan



- Press `h` or `?` to see the possible ninjutsu you can use in remark.js.
- You can see all the goodies like this.
- Check out more in-depth tutorial [here](#)







Thanks!

This is the final slide

you can add your email, twitter, github, etc. info here

Here is an example:

	florian.oswald@sciencespo.fr
	slides
	@ScPoEcon
	@ScPoEcon

