

Streamline your class with RStudio Cloud

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Professional Educator, RStudio July 2018



Quiz



Do your students want to be
Data Scientists or Computer Scientists?



**Use code,
don't write code**



The Tidyverse

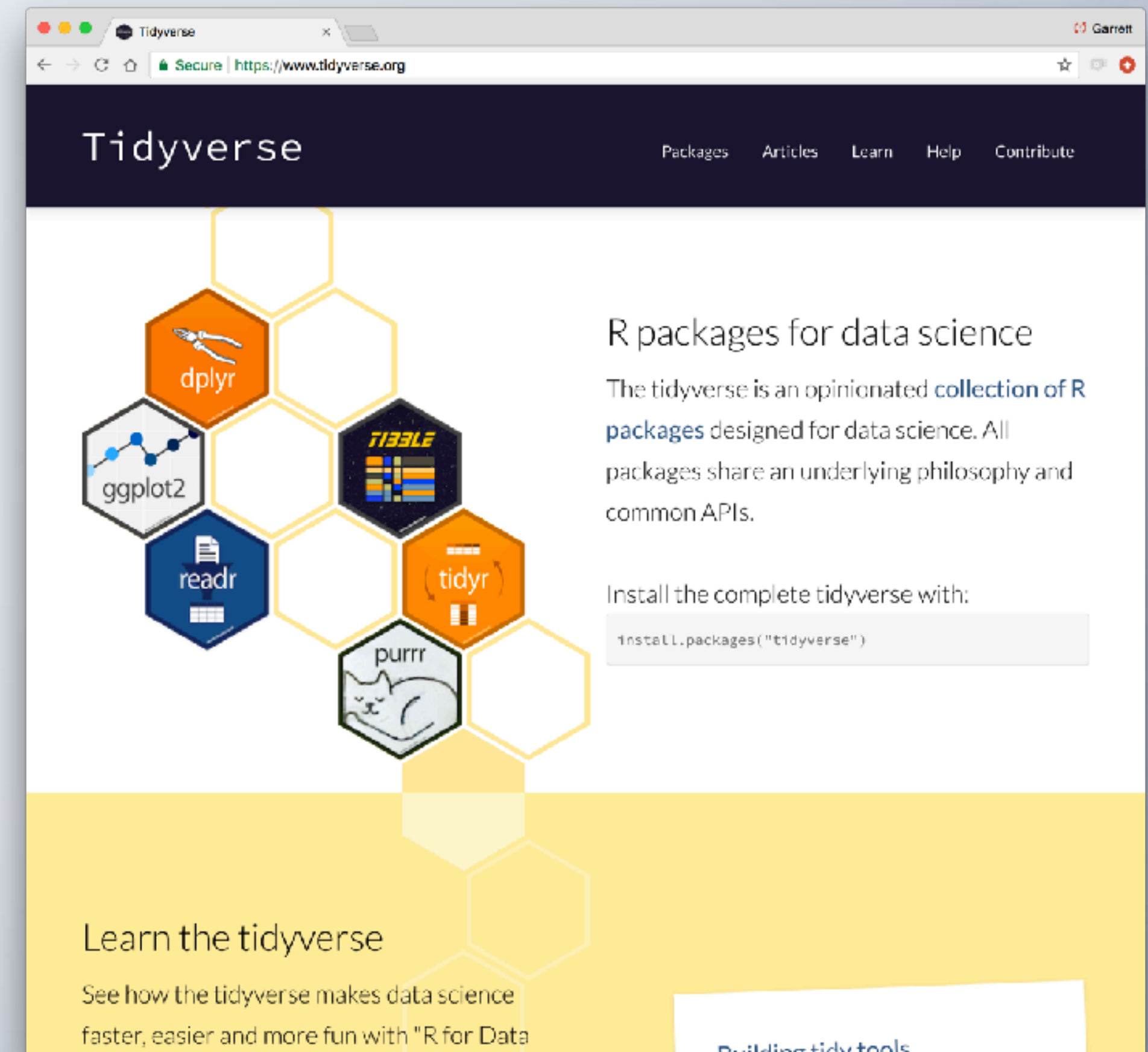
A performant collection of R packages for Data Science.



The Tidyverse

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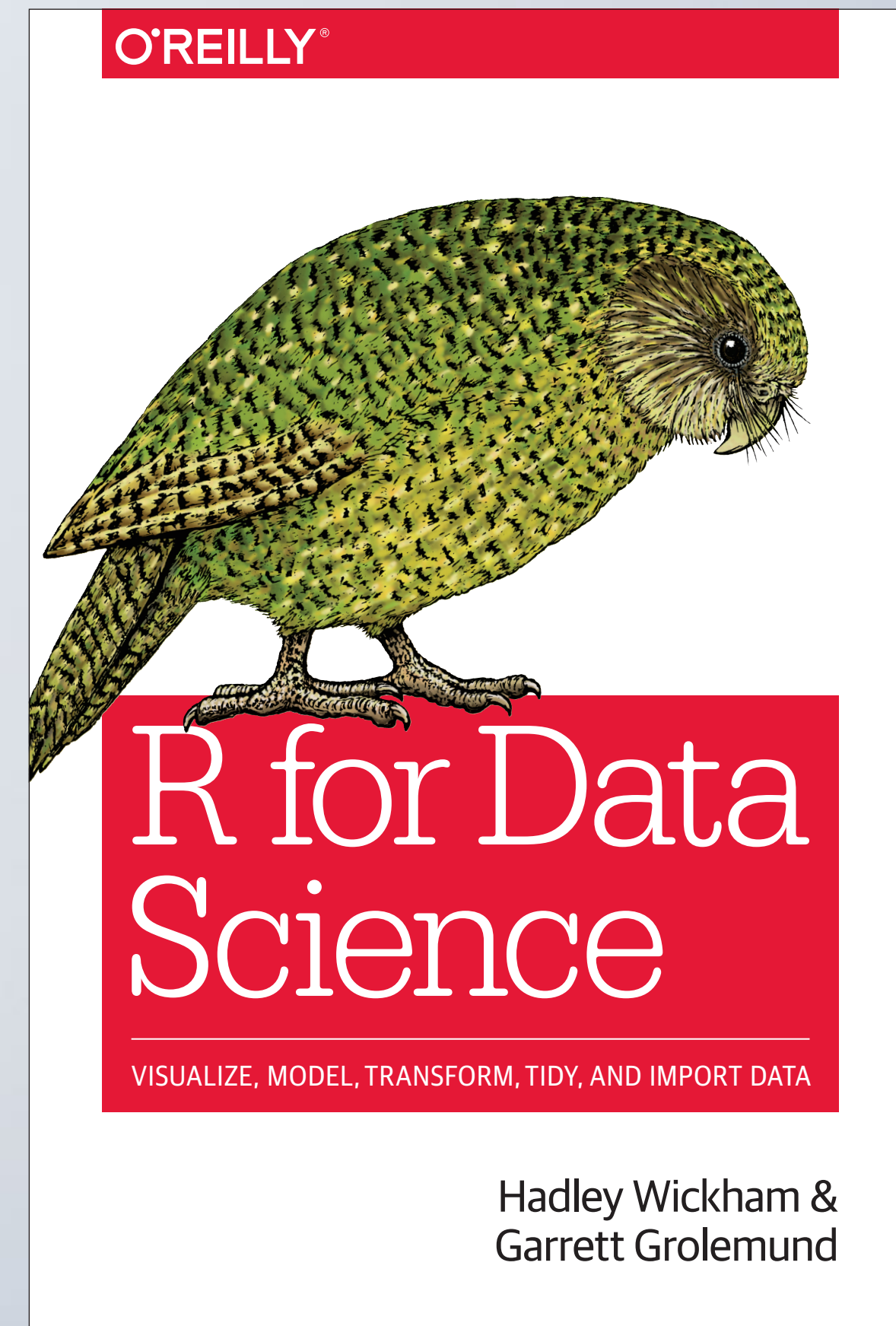
[tidyverse.org](https://www.tidyverse.org)



The Tidyverse

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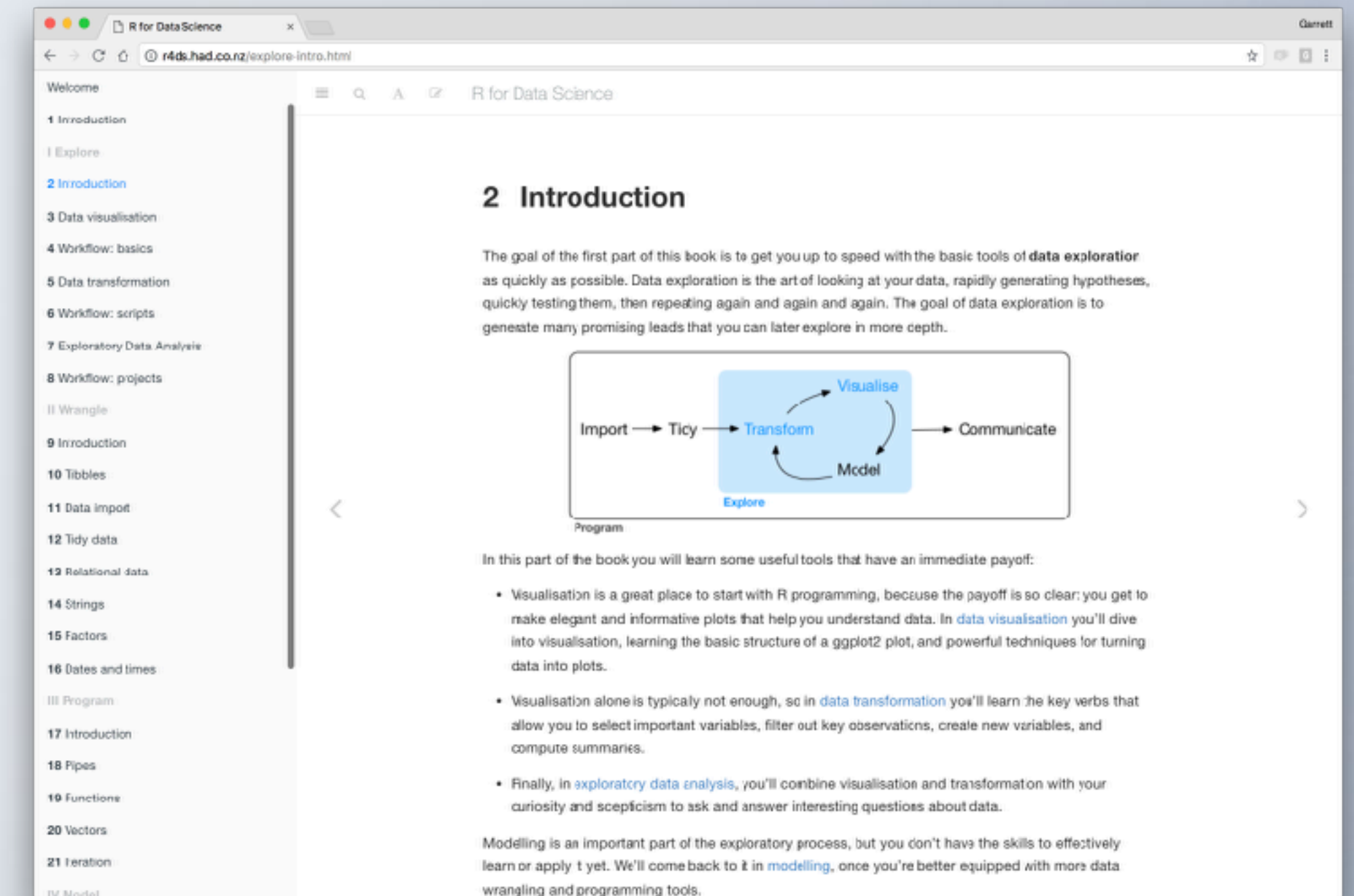
r4ds.had.co.nz



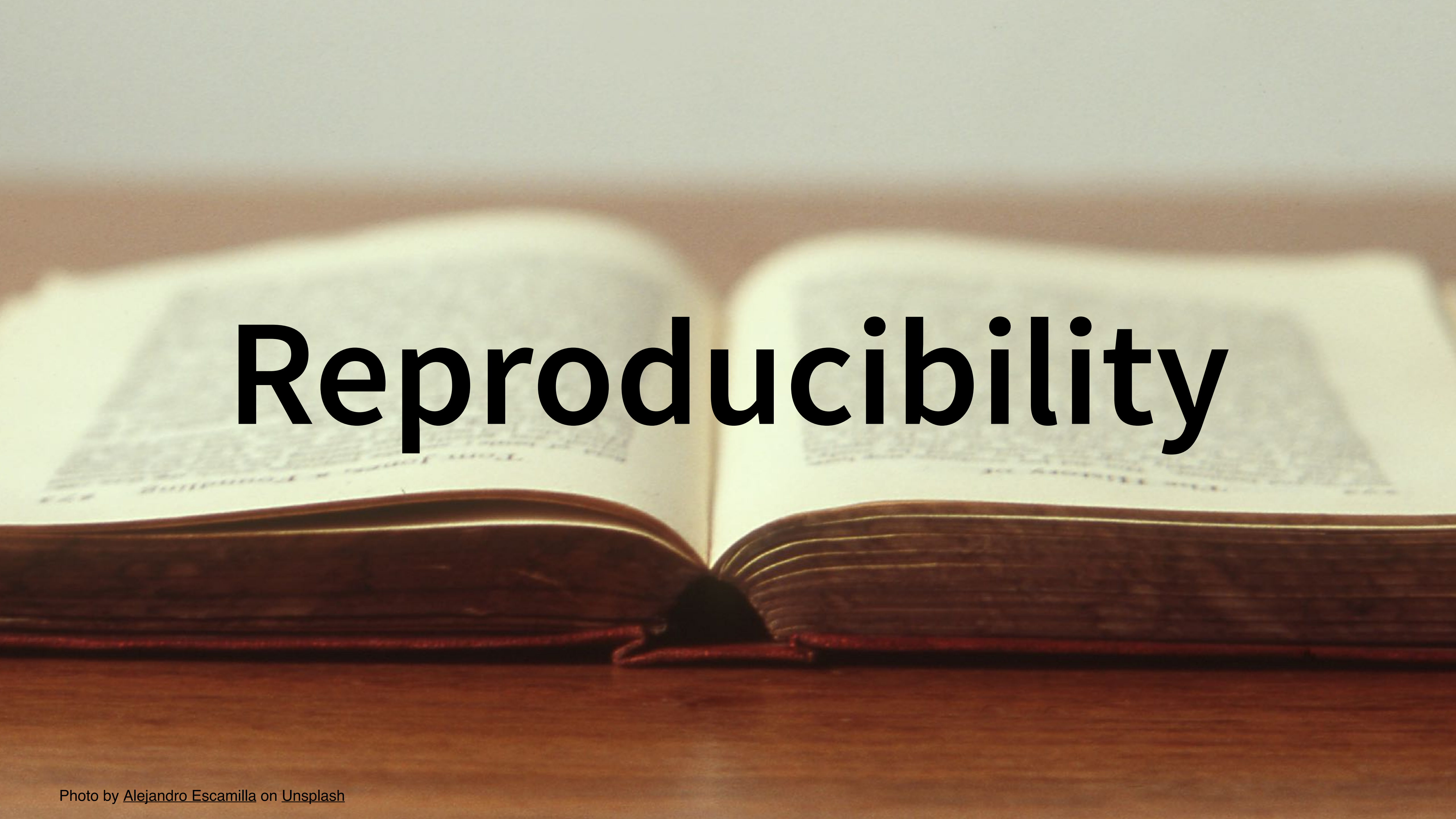
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Reproducibility

An open book with aged, yellowed pages is shown from a low angle. The book is open to two pages that contain faint, illegible text. The word "Reproducibility" is superimposed in a large, bold, black sans-serif font across the center of the image, spanning both pages of the book. The book's dark brown cover is visible at the bottom, and the pages are slightly curved as they meet at the spine.

R Markdown



R Markdown documents contain three types of content

```
---  
title: "Visualize Data"  
output: html_document  
---
```

A YAML header

```
```{r setup, echo = FALSE, message = FALSE}  
library(tidyverse)
```
```

Text, formatted with
Markdown

Run the code on the slide to make a graph. Pay strict attention to spelling, capitalization, and parentheses!

```
```{r}  
ggplot(data = mpg) +
 geom_point(mapping = aes(x = displ, y = hwy))
```
```

Code chunks

Do you see the trend?

Demo



RStudio Cloud

A cloud based version
of the RStudio IDE

Benefits

- Uniform environment
- No installs to debug
- Levels playing field
- RStudio IDE



Demo



RStudio Cloud

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Thank you!

rstudio.cloud

tidyverse.org

rmarkdown.com

rstudio.github.io/learnr