4

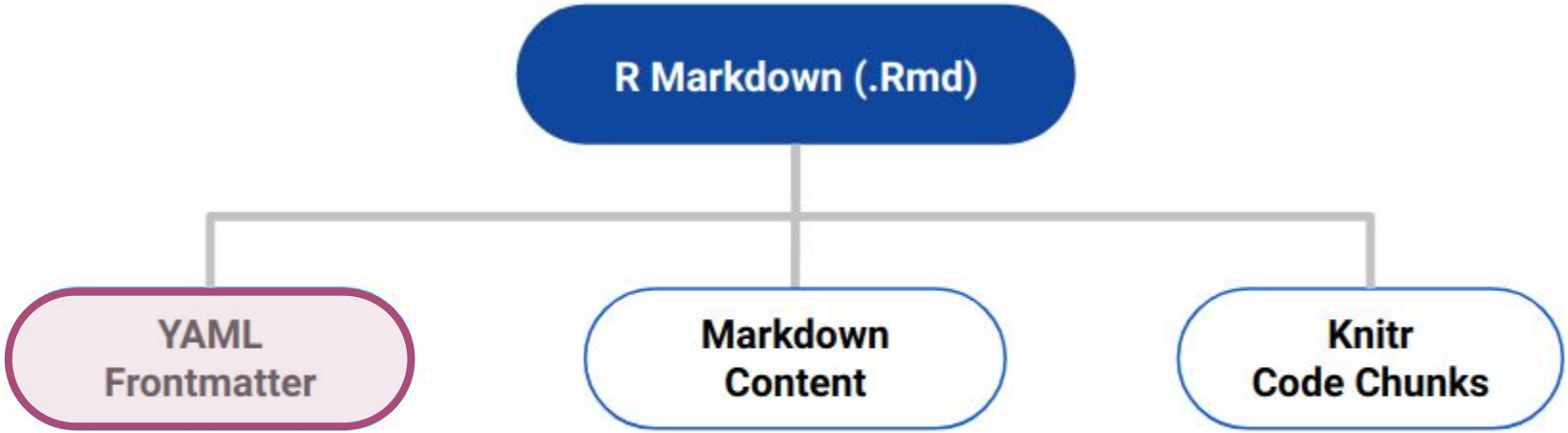
Websites

Goal

🎨 How to layout and style websites

🧩 Linking multiple websites together

YAML: Yet Another Markup Language

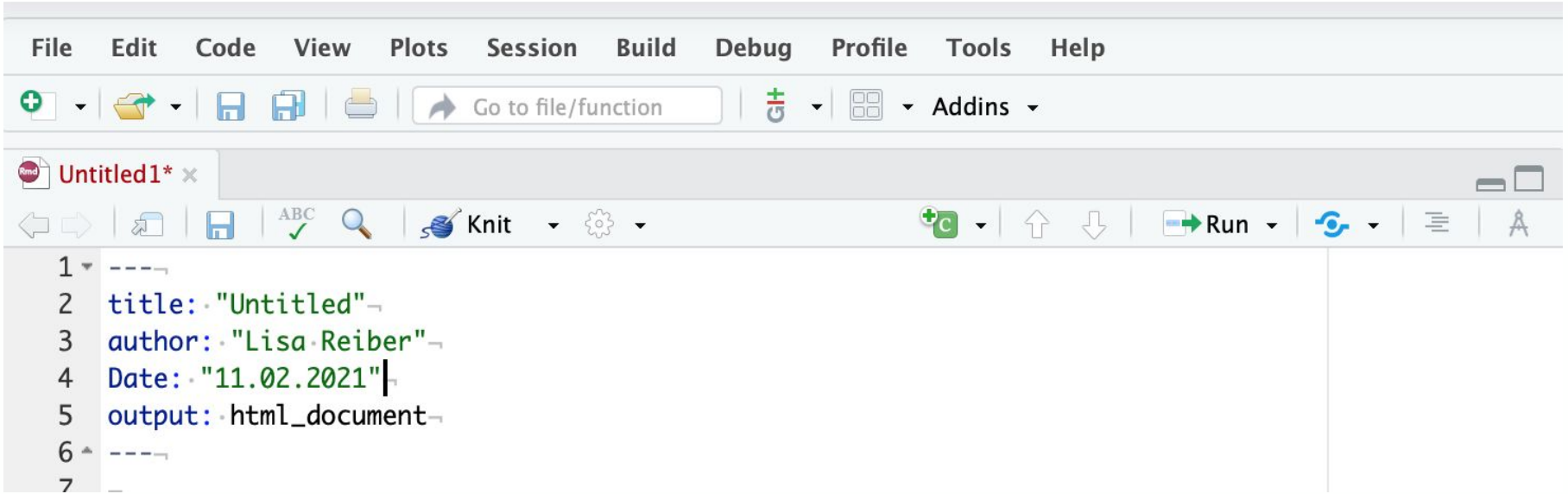


YAML in brief

- Contains the metadata of the document
- Starts and ends by three dashes
- Comes first in the document

Simplest Example

R-Workshop / R-Workshop

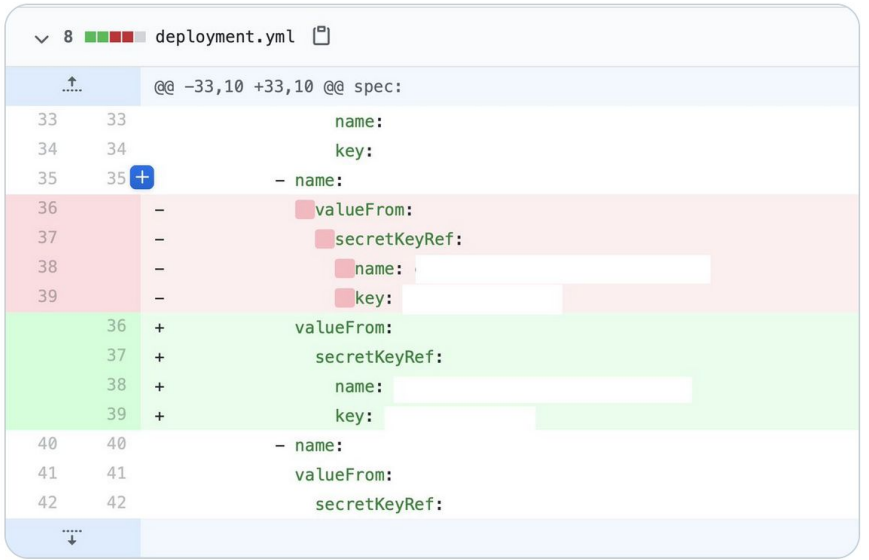


But it can also look like

Knit

```yaml
---
title: "Plot My-Sample"
output:
  html_document:
    code_folding: hide
    df_print: paged
    toc: yes
    toc_float: no
    toc_depth: 3
  pdf_document:
    toc: yes
    toc_depth: 3
editor_options:
  chunk_output_type: inline
---
```

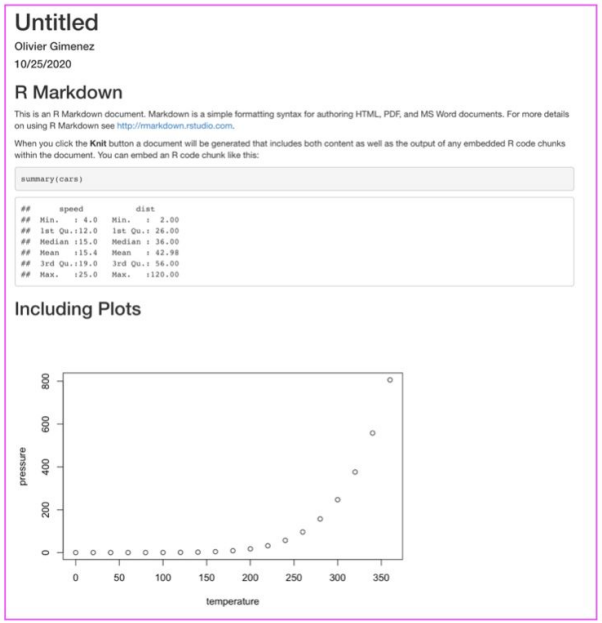
YAML: be careful



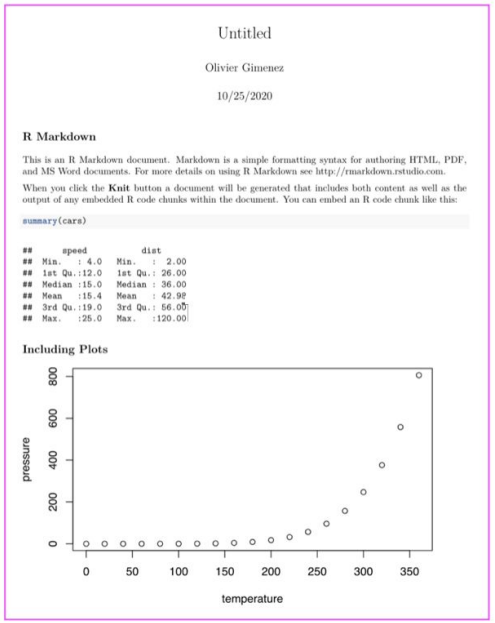
5:06 vorm. · 10. Feb. 2021 · Twitter Web App

https://twitter.com/robwormald/status/1359353138948448258?s=20

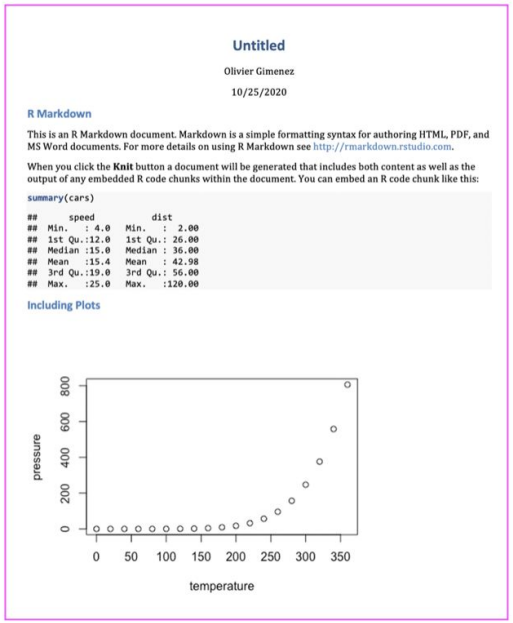
Some Output Formats



html



pdf



docx

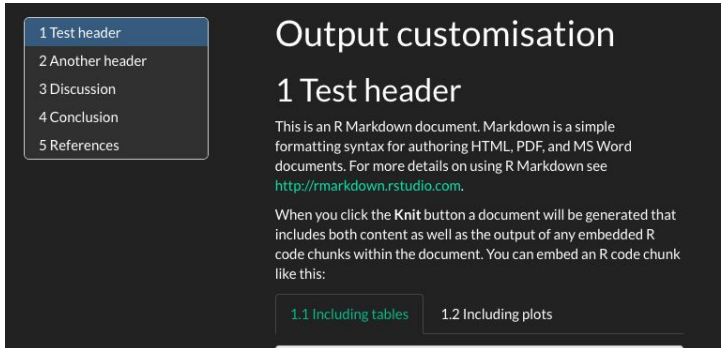
Knit

https://media.giphy.com/media/3oEhmHmWP3Y9wQxoli/giphy.gif

Style features (html only): Theme

- In HTML output, you can use theme or a custom .css style sheet
- theme options (see them at bootswatch.com) : *"cerulean", "journal", "flatly", "darkly", "readable", "spacelab", "united", "cosmo", "lumen", "paper", "sandstone", "simplex", "yeti"*

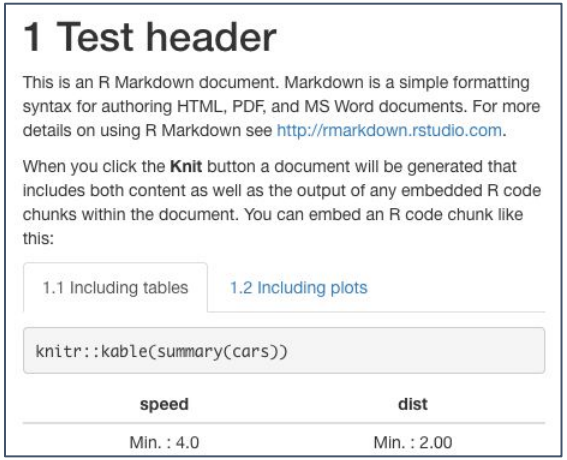
```
---
title: "Output customisation"
output:
  bookdown::html_document2:
    toc: true
    toc_float: true
    theme: darkly
---
```



Layout Features: {.tabset}

- Adding `{.tabset}` after a header makes its sub-headers appear in tabs instead of standalone sections.

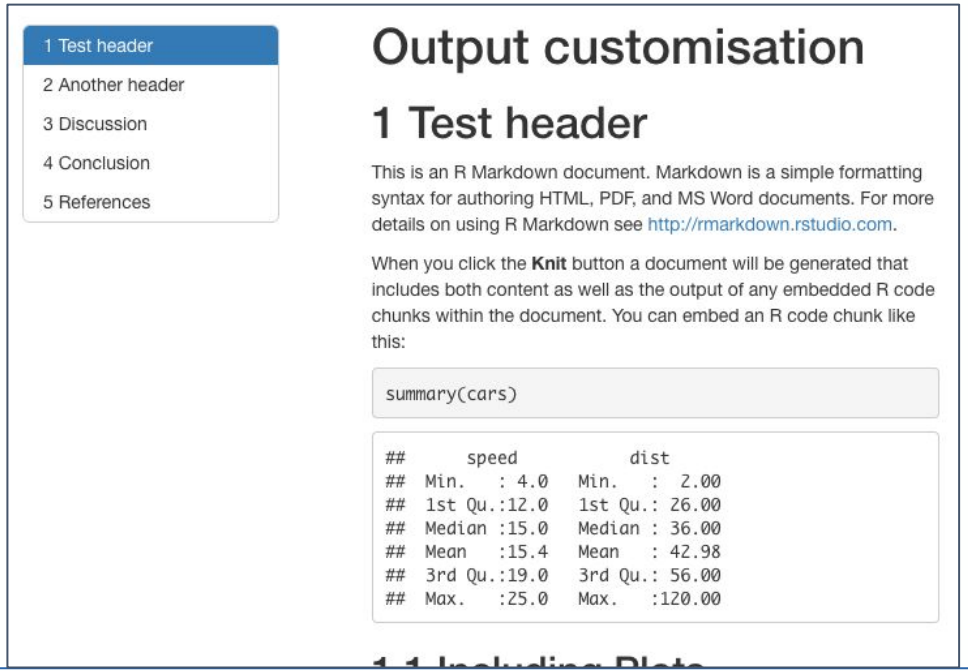
```
# Test header {.tabset}

## Including tables

(tab content)

## Including plots

(tab content)
```



Layout Features: Table of Contents (toc)

Knit

```
---
title: "Plot My-Sample"
output:
  html_document:
    code_folding: hide
    df_print: paged
    toc: yes
    toc_float: no
    toc_depth: 3
```



R Markdown Reference Guide

R Markdown Reference Guide

Learn more about R Markdown at rmarkdown.rstudio.com
Learn more about Interactive Docs at shiny.rstudio.com/articles

Contents:

1. Markdown Syntax
2. Knitr chunk options
3. **Pandoc options**

Templates	Basic YAML	Template options	Latex options	Interactive Docs
html_document pdf_document word_document md_document ioslides_presentation slidy_presentation beamer_presentation	--- title: "A Web Doc" author: "John Doe" date: "May 1, 2015" **output: md_document** ---	--- title: "Chapters" output: **html_document:** **toc: true** **toc_depth: 2** ---	--- title: "My PDF" output: pdf_document **fontsize: 11pt** **geometry: margin=1in** ---	--- title: "Slides" output: slidy_presentation: incremental: true **runtime: shiny** ---

Hands-on

20:00

Your Turn

- Head over to RStudio Cloud
- Let’s add website features and style them

Linking Websites

- When the YAML header becomes too long
- Turn it into its own file: make a _site.yml

Hands-on

20:00

Our Turn

Head over to RStudio Cloud

Let’s add our websites together

4

Websites

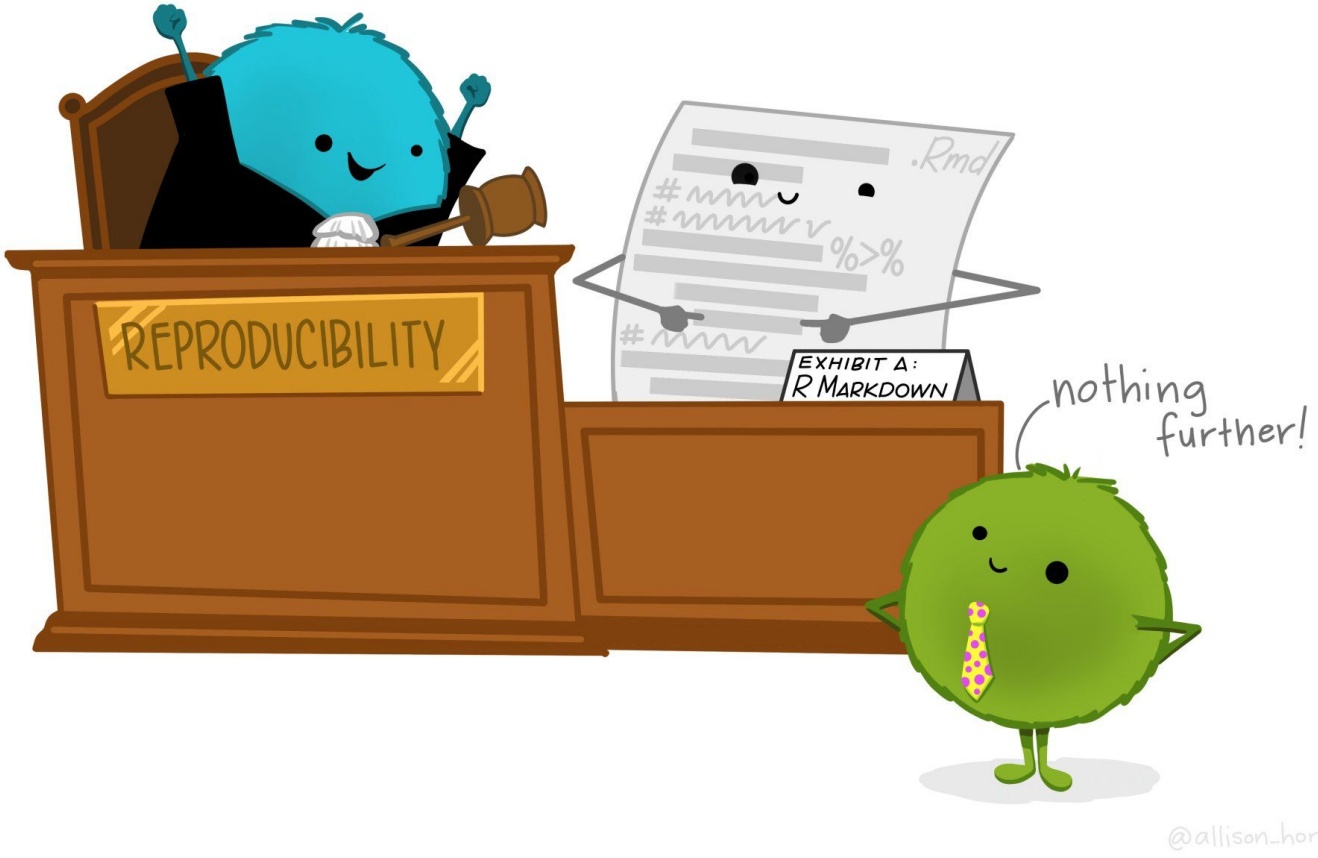
Recap

✨ Our websites are layouted and styled

🧩 Our websites are linked together

Lunch Time

Thursday	Friday (half-day)
09:00 - 10:30 Welcome & RStudio Intro	09:00 - 10:30 Git + GitHubPages
10:30 - 11:00 Break	10:30 - 11:00 Break
11:00 - 12:30 R Markdown Intro	11:00 - 12:30 Putting all the pieces together
12:30 - 13:30 Lunch	12:30 - 13:00 Wrap-up
13:30 - 15:00 Meta-Viz and ggplot2	
15:00 - 15:30 Break	
15:30 - 17:00 R Markdown: website features	


REPRODUCIBILITY
.Rmd
%>%
EXHIBIT A:
R MARKDOWN
nothing further!
@allison_horst