

The Download

Recent developments with R Markdown

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Oh dear, what kittens these are for play!
They were so naughty at school to-day.



The background of the image is a soft-focus landscape featuring rolling green hills under a sky filled with various shades of gray clouds.

Hello.



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(Some members of)
the R Markdown
family

~20 packages

`rstudio/rmarkdown`

`rstudio/distill`

`rstudio/flexdashboard`

`rstudio/learnr`

`rstudio/tufte`

`rstudio/bookdown`

`rstudio/blogdown`

`rstudio/markdown`

`rstudio/rticles`

`rstudio/pagedown`

`rstudio/revealjs`

`yihui/knitr`

`yihui/xaringan`

`yihui/xfun`

`yihui/servr`

`yihui/tinytex`

Distill

```
install.packages("distill")
```

Distill

- ✓ Optimized for scientific + technical communication
- ✓ Nice CSS
- ✓ No (extra) dependencies

<https://rstudio.github.io/distill/>

PROBLEM: I JUST WANT TO CHANGE [FONTS / COLORS / SIZE]

SOLUTION: TRY THE THEMER!

Distill themer demo



Learn more:

<https://blog.rstudio.com/2020/12/07/distill/>

<https://rstudio.github.io/distill/>

<https://pkgs.rstudio.com/distill/>

Blogdown

```
devtools::install_github("rstudio/blogdown")
```

Blogdown

✓ Power of Hugo + markdown

✓ Themes

✓ Subdirectories

<https://malco.io/>

PROBLEM: MY BLOGDOWN/HUGO SITE IS BROKEN!

SOLUTION: MAKE YOUR BLOGDOWN UNBREAKABLE



So many things can go wrong

- Hugo versions
- R package versions

Hugo versions

```
library(blogdown)
hugo_version() # check it
```

SET IT AND FORGET IT

```
config_Rprofile() # open it
```

```
options(blogdown.hugo.version = "0.78.2")
```

Hugo versions

TELL NETLIFY AND FORGET IT!

```
config_netlify() # open it
```

```
[build.environment]  
HUGO_VERSION = "0.78.2"
```

Hugo versions

MANAGE IT

```
find_hugo('all')
remove_hugo()
```

R package versions

 it yourself

MAKE THE KNIT BUTTON GREAT AGAIN!

<https://github.com/rstudio/blogdown/commit/d32c2945623581377e256d3f7f6e3566c05e3d6f>

R package versions

TELL BLOGDOWN NOT TO 

```
config_Rprofile() # open it
```

Add:

```
options(blogdown.knit.on_save = FALSE)
options(blogdown.files_filter = blogdown:::md5sum_filter)
```

Healthy .Rprofile for happy blogdown users

```
options(blogdown.hugo.version = 0.78.2,
       blogdown.knit.on_save = FALSE,
       blogdown.files_filter = blogdown:::md5sum_filter,
       # other nice to haves!
       blogdown.title_case = TRUE,
       blogdown.initial_files = FALSE,
       # nice defaults!
       blogdown.new_bundle = TRUE,
       blogdown.warn.future = TRUE,
       blogdown.draft.output = FALSE
     )
```



```
blogdown::build_site(build_rmd = TRUE)
```

"`blogdown::build_site()` no longer recompiles R Markdown files by default, because it may be expensive and often undesirable to compile Rmd files that have been compiled before. If you do want to recompile Rmd files, use this."



What happened to `public/`?

```
blogdown::build_site()
```

That was a lot!



OKAY



Pre-flight checks

```
# kitchen sink
check_site()

# one at a time
check_config()

check_gitignore()

check_hugo()

check_netlify()

check_content()
```

Blogdown .Rprofile + pre-flight checks demo

Learn more 😊



A note from the authors: Some of the information and instructions in this book are now out of date because of changes to Hugo and the blogdown package. If you have suggestions for improving this book, please file an issue in our GitHub repository. Thanks for your patience while we work to update the book, and please stay tuned for the revised version!

— Yihui, Amber, & Alison

blogdown: Creating Websites with R Markdown

Yihui Xie, Amber Thomas, Alison Presmanes Hill

2020-12-02

Preface

The R Series

blogdown
Creating Websites
with R Markdown



check

bookdown?

?bs4_book

<https://crumplab.github.io/rstatsforpsych/>

xaringan?

Self-contained slides: <https://github.com/yihui/xaringan/issues/3>