

Parting remarks

Reproducible Computing @ JSM 2019

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July 27, 2019

We did some difficult stuff today...

There are only two hard things in Computer Science: cache invalidation and naming things.

-- Phil Karlton

Reproducibility ladder

Aim to go at least one step higher in your next project

1. Bad
2. Good
3. Better
4. Best

R Markdown tips / resources

- R Markdown cheatsheet: <https://www.rstudio.com/resources/cheatsheets/>
- R Markdown document should be in your root directory
- Do not set a working directory in your R Markdown document
 - Actually, don't ever use `setwd()`
 - See the `here` package for an alternative approach

GitHub tips / resources

- It's pretty easy to convert your repo to a website
 - Go to Settings and then Enable GitHub pages
 - Lots of Packages to help create a nice webpage: blogdown, bookdown, pkgdown, etc.
- You can use GitHub as a search engine to see how people write their Makefiles and how they use functions in a given language
- You can add a license to your repo upon creation or later by adding a file called LICENSE.md
 - GitHub provides you a list to select licenses from
 - Think about commercial/non commercial, share alike/not
 - See <https://choosealicense.com/> for help with picking a license
- [Happy Git with R](#) by [Jenny Bryan](#)

Make tips and resources

- Some projects you can outline well initially and start with a Makefile
- Others you'll want to start working in an R Markdown document and then break it up into pieces and use Make to glue the pieces back together
- Thinking about the folder structure(s) helps and leveraging tools like [here](#) helps