

# Parting remarks

## Reproducible Computing @ JSM 2019

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# Reproducibility ladder

Aim to go at least a little higher in your next project in at least one area

1. Scriptability
2. Literate Programming
3. Version Control
4. Automation

# 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 e helps
- Leverage the community, you are not alone in dealing with these types of problems
  - Twitter, Stack Overflow, etc.
  - Scientific computing is a large tent - look beyond R for ideas

**Thanks**  
**Enjoy JSM 2019!**