

Lab 1

Programming for Statistical Science

Meet your TAs

- Federico Ferrari
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 - Office hours (Zoom link in Sakai)
 - Tuesdays 4:00 - 5:00pm
- Quinn Frank
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 - Office hours (Zoom link in Sakai)
 - Tuesdays 1:30pm - 2:30pm
 - Thursdays 1:30pm - 2:30pm

All times listed are in Eastern Time.

Lab structure

- Work on the assigned lab.
- Work on homework (if outstanding).
- Ask questions about anything.

Getting started

- Navigate to https://classroom.github.com/a/utEK_C9H to accept Lab 1 and create your private repository within our GitHub course organization.
- Open an RStudio session (Rook); then go to
 - File > New Project;
 - select Version Control;
 - select Git;
 - paste the git URL - available at your GitHub repo, lab1-[github_username], when you click Clone or download;
 - click Create Project.

You may do this on your local machine if you have git configured with R/RStudio.

Getting started

- With your RStudio project open, do a quick git configuration in the console pane with

```
# install.packages("usethis")  
library(usethis)  
use_git_config(user.name = "Shawn Santo", user.email = "shawn.santo@c
```

Replace my info with your name and email address associated with GitHub.

- Follow the TAs live demo on how to stage, commit, and push. Today you may use the Git GUI; on Wednesday we will show you how to use git from the command line.
- As you work, make commits and push your work after you make significant progress.

We will show you how to cache your credentials on Wednesday.

Navigating R Markdown

Follow along as Federico and Quinn demonstrate the basics of R Markdown.

R Markdown resources:

- In RStudio: Help > Cheatsheets > R Markdown Cheat Sheet
- In RStudio: Help > Cheatsheets > R Markdown Reference Guide
- [R Markdown: The Definitive Guide](#)

Today's objectives

- Get comfortable with the version control cycle and R Markdown.
- Complete Lab 1.
 - Work with those in your breakout room.
 - This is not graded.
- Ask any questions about any recent course materials.